TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

NS BLUESCOPE (THAILAND) LIMITED

Preventive Maintenance for Fire Protection System

On April 2026

Takachiho Fire, Security & Services (Thailand) Limited
1858/110-111 25th Floor Interlink Tower Bangna , Debaratna Rd. Bangna Tai , Bangna , Bangkok 10260 Thailand
Tel. (66-2) 366 9000, Fax. (66-2) 366 9090 www.tkfs.co.th

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION, TEST AND PREVENTIVE MAINTENANCE

FOR

Fire Protection and fire Detection System

Customer : **NS Blue Scope Steel Thailand** **Report Date :** **6 May 2026**

Inspector By :	1. Subin	Karnna	Service Leader
	2. Pattanasit	Ratanapatarakorn	Technician Service
	3. Somkhid	Khamlai	Technician Service
	4. Anuchit	Phoomee	Technician Service
	5. Perakant	Kumwong	Technician Service

Takachiho Fire, Security & Services (Thailand) Ltd.

NSBST Fire Alarm & Fire Suppression Summary Report : April 2026

Pervious month Outstanding update

April 2026 Result

Item	Inspection Description	Point / Device		Location	Problem	Recomment	Priority	Status
1	Fire alarm system							
	(Monthly)	M2-10 (Node3)	Strobe horn	Node 3	อุปกรณ์เสีย	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
2	Inergen system							
	(Monthly)	Inergen cylinder	Inergen = 61 ถัง	PKL, CRM, MCL 1, Server Room	อายุการใช้งานเกินมาตรฐาน 5 ปี ควรนำไป Hydro test และ Refill	Should refill	○ Low ● Medium ○ High	
		Inergen	pressure gauge = 3 ea	ห้องไฟฟ้า 115Kw	หน้าปัด pressure gauge เสื่อมสภาพ	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		Inergen no. 661202	Inergen = 1 ถัง	PKL EER RM.	Low pressure	should hydro test and refill	○ Low ● Medium ○ High	TK เสนอราคา
		Inergen	Battery = 2 ea	PKL Main EER.	อายุการใช้งานเกิน 2 ปี	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
3	FM-200 system							
	(Monthly)	FM-200	Smoke detector = 1 ea	PKL- MAIN EER. ROOM	Damage	Should replace	○ Low ● Medium ○ High	แก้ไขแล้ว
4	CO2 system							
	(Monthly)	Function system is working normally.						
5	Nitrogen system							
	(Monthly)	N2 cylinder (NCP no. 1,2,6,5)	Smoke detector = 8 ea	Main EER server & computer room, Entry main EER room,Entry main EER RM.	Test ไม่ส่ง alarm (อุปกรณ์เสีย)	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		N2 cylinder no. 5, 18, 27, 28, 39, 49, 75, 78, 101	Pressure gauge = 9 ea	MCL-2 (NCP No. 2, No. 6)	Damaged *by pass*	Should replace pressure gauge	○ Low ● Medium ○ High	TK เสนอราคามาแล้ว
		N2 cylinder. 1, 2, 3, 10, 11, 15	Pressure gauge = 6 ea	MCL-2 (NCP No. 3)	Damaged *by pass*	Should replace pressure gauge	○ Low ● Medium ○ High	ระบบยังใช้งานได้
		N2 cylinder	Nitrogen = 141 ถัง	COATING PORT EER ROOM,PLC&COM Room, ENTRY EER,PREMALT ROOM,EER ROOM & ENTRY ROOM	อายุการใช้งานเกินมาตรฐาน 5 ปี ควรนำไป Hydro test และ Refill	Should refill	○ Low ● Medium ○ High	
6	Automatic sprinkler & Deluge valve system							
	(Monthly)	Deluge valve	Battery = 4 ea	CPL plant store lower , CPL plant store upper	อายุการใช้งานเกิน 2 ปี	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		Alarm valve no. 30	อุปกรณ์ชำรุด = 2 ea	AV-LISTED 467A 2.5	Pressure gauge ด้านบนและด้านล่าง อุปกรณ์ชำรุด	Should replace	○ Low ● Medium ○ High	TK เสนอราคา

NSBST Fire Alarm & Fire Suppression Summary Report : April 2026

Pervious month Outstanding update

April 2026 Result

Item	Inspection Description	Point / Device		Location	Problem	Recomment	Priority	Status
7	Fire Hydrant and							
	(Monthly)	Fire hose reel No.26	ข้อต่อ 90° = 1 ea	CRM-AH/51	ข้อต่อ 90° สำหรับท่อ fire hose reel ขนาด 1" ถูกกัดกร่อนเป็นสนิม	Should replace	O Low ● Medium O High	TK เสนอราคา
		Fire hose reel No.23, 24, 25	ท่อ 1"	CRM-OP/2, PKL-OP/4, PKL-AH/4	ท่อสำหรับ fire hose reel ขนาด 1" ด้าน ball valve เกลียวถูกกัดกร่อนเป็นสนิม	Should replace	O Low ● Medium O High	
		Fire hydrant No.14	ฝา cap	canteen	ฝา cap แตกชำรุด 1 ea	Should replace	O Low ● Medium O High	
8	Fire pump system							
	(Monthly)	Engine pump no.2	Air vent	MCL-1	Air vent สำหรับ pump no. 2 เสื่อมสภาพ มีน้ำรั่วซึม	Should replace	O Low ● Medium O High	TK เสนอราคา
9	Portable Extinguisher							
	(Every Three Months)	Dry No. 104	Dry chemical	MCL-1	position's sign is not install	Should install	O Low ● Medium O High	
		Dry No. 141, 205	Dry chemical	MCL-2 OP/81, MCL-2 Cooling Tower	ถังเป็นสนิม	Should replace	O Low ● Medium O High	TK เสนอราคา
		Dry Chemical	Dry chemical = 53 ถัง		อายุการใช้งานเกิน 5 ปี	Should replace	O Low ● Medium O High	TK เสนอราคา
		Dry no. 3, 20	Pressure gauge	Work shop OP08, CRM.OP/01	Pressure gauge ชำรุด	Should replace	O Low ● Medium O High	TK เสนอราคา
		Dry no. 23, 38	Dry chemical	CELA.UNDER GROUND,OPERATION BLDG.	Low pressure	Should replace	O Low ● Medium O High	TK เสนอราคา
		CO2 No. 22	CO2	CRM Exit Door OP35	position's sign is break	should replace	O Low ● Medium O High	
		CO2 No. 96	CO2	MCL-1	position's sign is not install	Should install	O Low ● Medium O High	
		CO2 No. 13, 17	CO2	PKL EER rm., PKL ExitDoor	มือจับถังเป็นสนิม	Should replace	O Low ● Medium O High	TK เสนอราคา
		CO2	CO = 36 ถัง		อายุการใช้งานเกิน 5 ปี	Should replace	O Low ● Medium O High	TK เสนอราคา
		Foam No. 237	Pressure gauge	CPL Store Chemical	Pressure gauge แตกชำรุด	Should replace	O Low ● Medium O High	TK เสนอราคา

Reference report: TAKACHIHO's Inspection Monthly report for NS Bluescope Thailand : April 2026

Review By

Songpon Soontaros
PSV Senior Engineer

Date _____

Sign Off By

Plant Service & Engineering Project Manager

Date _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE ALARM SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL ,W/S,W/H, BLDG SFIP-01 SIMPLEX 4100 ES [NODE 1]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.5 VAC
Charger control panel 27.31 VDC
Battery back up 27.30 VDC (start 26/6/25) 12V 18Ah

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL,W/S,W/H, BLDG SFIP-01 SIMPLEX 4100 ES [NODE 1]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Ware house	M1-32	MANUAL	S	S	
2	Ware house op/09	M1-34	MANUAL	S	S	
3	Worke shop tool room	M1-59	SMOKE	S	S	
4	Worke shop op/12	M1-29	MANUAL	S	S	
5	PKL op/16 Silen grid	M1-21	MANUAL	S	S	
6	PKL mac 03 op/17	M1-17	MANUAL	S	S	
7	Ware house op/08	M1-37	MANUAL	S	S	
8	PKL-mac-3	M1-39	MANUAL	S	S	
9	PKL-op/5	M1-43	MANUAL	S	S	
10	PKL-op/4	M1-47	MANUAL	S	S	
11	PKL acid tank sm-1	M1-54	MANUAL	S	S	ใช้งานแต่อุปกรณ์ชำรุด
12	Work shop trainning room	M1-61	SMOKE	S	S	
13	Worke shop office room	M1-60	SMOKE	S	S	
14	Ware house room-a	M1-63	SMOKE	S	S	
15	Ware house room-b	M1-64	SMOKE	S	S	
16	PKL-mac-console o-s1	M1-24	MANUAL	S	S	
17	PKL-exit pulpit	M1-6	MANUAL	S	S	
18	PKL-op/3	M1-1	MANUAL	S	S	
19	PKL-eer room	M1-15	MANUAL	S	S	
20	PKL-eer room	M1-15	MANUAL	S	S	
21	PKL eer room (signal fm 200)	M1-11	IAM-signal alarm	S	S	
22	PKL eer room (signal inergen)	M1-12	IAM-signal alarm	S	S	
23	PKL-op/15	M1-26	MANUAL	S	S	
24	PKL Tunnel south(ใต้ดิน)	M1-57	SMOKE	S	S	
25	PKL Tunnel south(ใต้ดิน)	M1-57	SMOKE	S	S	
26	PKL Tunnel south(ใต้ดิน)	M1-57	SMOKE	N/A	N/A	ถอดหัว by pass ไว้ชั่วคราว
27	PKL Tunnel south(ใต้ดิน)	M1-58	MANUAL	S	S	
28	PKL Tunnel south(ใต้ดิน)	M1-58	MANUAL	S	S	
29	PKL Tunnel south(ใต้ดิน)	M1-58	MANUAL	S	S	
30	W/H Room B	M1-62	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL,W/S,W/H, BLDG SFIP-01 SIMPLEX 4100 ES [NODE 1]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	PKL Tunnul	M1-57	SMOKE	S	S	
32	PKL Tunnul	M1-57	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : COLD ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 229.1 VAC
Charger control panel 27.31 VDC
Battery back up 27.26 VDC (start 26/6/25) 12V 18Ah
Local Power Supply Support Building
AC POWER : 228.7 VAC
Charger control panel : 27.37 VDC
Battery Back Up : 27.34 VDC
Battery Start : 26/6/25

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRO ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Exit door OP 64	M1-1	MANUAL	S	S	
2	Grid Y-49	M1-12	SMOKE	S	S	
3	Grid Y-49	M1-12	SMOKE	S	S	
4	CRM pulpit	M1-14	MANUAL	S	S	
5	CRM hydr cella(ใต้ดิน)	M1-20	MANUAL	N/A	N/A	เข้าพื้นที่ไม่ได้
6	CRM hydr cella(ใต้ดิน)	M1-21	MANUAL	N/A	N/A	เข้าพื้นที่ไม่ได้
7	CRM	M1-17	MANUAL	S	S	
8	CRM rool shop op/66	M1-26	MANUAL	S	S	
9	CRM	M1-22	MANUAL	S	S	
10	CRM op/20	M2-33	MANUAL	S	S	
11	CRM op/21	M2-30	MANUAL	S	S	
12	CRM eer.room op/27	M2-11	MANUAL	S	S	
13	CRM eer.room	M2-14	MANUAL	S	S	
14	CRM eer.room	M2-25	MANUAL	S	S	
15	CRM eer.room	M2-22	MANUAL	S	S	
16	CRM eer.room	M2-28	MANUAL	S	S	
17	CRM op/29	M2-8	MANUAL	S	S	
18	Operation bldg	M1-5	SMOKE	S	S	
19	Operation bldg	M1-5	SMOKE	S	S	
20	Operation bldg	M1-5	SMOKE	S	S	
21	Operation bldg	M1-5	SMOKE	S	S	
22	Operation bldg	M1-5	SMOKE	S	S	
23	Operation bldg	M1-5	SMOKE	S	S	
24	Operation bldg	M1-5	SMOKE	S	S	
25	Operation bldg	M1-5	SMOKE	S	S	
26	Operation bldg	M1-5	SMOKE	S	S	
27	Operation bldg	M1-5	SMOKE	S	S	
28	Operation bldg	M1-6	SMOKE	S	S	
29	Operation bldg	M1-6	SMOKE	S	S	
30	Operation bldg	M1-6	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

_____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRO ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Operation bldg	M1-6	SMOKE	S	S	
32	Operation bldg	M1-6	SMOKE	S	S	
33	Operation bldg	M1-6	SMOKE	S	S	
34	Operation bldg	M1-6	SMOKE	S	S	
35	Operation bldg	M1-6	SMOKE	S	S	
36	Operation bldg	M1-5	SMOKE	S	S	
37	Operation bldg	M1-5	SMOKE	S	S	
38	Operation bldg	M1-5	SMOKE	S	S	
39	Operation bldg	M1-5	SMOKE	S	S	
40	Operation bldg	M1-7	MANUAL	S	S	
41	Operation bldg	M1-9	MANUAL	S	S	
42	EER room CRM	M2-23	MANUAL	N/A	N/A	เข้าพื้นที่ไม่ได้
43	EER room CRM	M2-24	MANUAL	S	S	
44	CRM EER (Signal Inergen1)	M2-17	IAM-signal alarm	S	S	
45	CRM EER (Signal Inergen2)	M2-18	IAM-signal alarm	S	S	
46	Operation bldg	M1-6	HEAT	S	S	
47	EER Room Ground	M2-12	SMOKE	S	S	
48	CRM EER Room	M2-29	SMOKE	S	S	
49	CRM EER Room	M2-29	SMOKE	S	S	
50	CRM EER Room	M2-29	SMOKE	S	S	
51	CRM EER Room	M2-29	SMOKE	S	S	
52	CRM EER Room	M2-29	SMOKE	S	S	
53	CRM EER Room Ground	M2-12	SMOKE	S	S	
54	CRM EER Room Ground	M2-12	SMOKE	S	S	
55	CRM EER Room Ground	M2-12	SMOKE	S	S	
56	CRM EER Room Ground	M2-12	SMOKE	S	S	
57	CRM EER Room Ground	M2-12	SMOKE	S	S	
58	CRM EER Room Ground	M2-12	SMOKE	S	S	
59	CRM EER Room Ground	M2-12	SMOKE	S	S	
60	CRM EER Room Ground	M2-12	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRO ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
61	CRM EER Room Ground	M2-12	SMOKE	S	S	
62	CRM EER Room Ground	M2-12	SMOKE	S	S	
63	Roll Shop EER RM.	M1-31	SMOKE	S	S	
64	Roll Shop EER RM.	M1-32	SMOKE	S	S	
65	Canteen	M1-33	HEAT	S	S	
66	Canteen	M1-33	HEAT	S	S	
67	Canteen	M1-33	HEAT	S	S	
68	Canteen	M1-33	HEAT	S	S	
69	Canteen	M1-33	HEAT	S	S	
70	Canteen	M1-33	HEAT	S	S	
71	Canteen	M1-33	HEAT	S	S	
72	Canteen	M1-33	HEAT	S	S	
73	Canteen	M1-33	HEAT	S	S	
74	Canteen	M1-33	MANUAL	S	S	
75	Canteen	M1-33	MANUAL	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	ZAL op/60	M3-60	MANUAL	S	S	
2	MCC.op/exit	M3-39	MANUAL	S	S	
3	MCC.op/51	M3-38	MANUAL	S	S	
4	ZAL op/35	M3-52	MANUAL	S	S	
5	MCl. op/60	M3-19	MANUAL	S	S	
6	ZAL op/57	M3-22	MANUAL	S	S	
7	Maintenance office	M3-73	SMOKE	S	S	
8	Maintenance office	M3-74	SMOKE	S	S	
9	MCL1 op/56	M3-26	MANUAL	S	S	
10	MCL1 op/52	M3-35	MANUAL	S	S	
11	MCL1 op/49	M3-48	MANUAL	S	S	
12	MCL1 pulpit room	M3-30	SMOKE	S	S	
13	MCL1 pulpit room	M3-31	MANUAL	S	S	
14	MCL1 op/54	M3-27	MANUAL	S	S	
15	MCL1 op/32	M3-58	MANUAL	S	S	
16	Document store	M3-76	SMOKE	S	S	
17	Document store	M3-76	SMOKE	S	S	
18	Document store	M3-76	SMOKE	S	S	
19	Document store	M3-76	SMOKE	S	S	
20	Document store	M3-76	SMOKE	S	S	
21	Document store	M3-76	SMOKE	S	S	
22	Document store	M3-77	MANUAL	S	S	
23	Document store	M3-78	MANUAL	S	S	
24	ZAL op/34	M3-55	MANUAL	S	S	
25	Canteen (เก่า)	M3-96	MANUAL	S	S	
26	Canteen (เก่า)	M3-96	MANUAL	S	S	
27	Canteen (เก่า)	M3-97	HEAT	S	S	
28	Canteen (เก่า)	M3-97	HEAT	S	S	
29	Canteen (เก่า)	M3-97	HEAT	S	S	
30	Canteen (เก่า)	M3-97	HEAT	S	S	แก้ไขแล้ว 20/11/25 เปลี่ยนหัวพร้อมฐาน

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * M2-12 เข้าพื้นที่ test ไม่ได้ จำนวน 4 Ea (พื้นที่หม้อแปลงไฟฟ้า)

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Canteen (เก่า)	M3-97	HEAT	S	S	
32	Canteen (เก่า)	M3-97	HEAT	S	S	
33	Canteen (เก่า)	M3-97	HEAT	S	S	
34	Canteen (เก่า)	M3-97	HEAT	S	S	
35	Sub 115 kv	M3-68	IAM-signal alarm	S	S	
36	eer-mcl-1 inergen signal	M3-43	IAM-signal alarm	S	S	
37	eer-mcl-1 inergen signal	M3-44	IAM-signal alarm	S	S	
38	Support bldg inergen signal	M3-72	IAM-signal alarm	S	S	
39	Operation bldg.	M3-85	SMOKE	S	S	
40	Operation bldg.	M3-86	SMOKE	S	S	
41	Operation bldg.	M3-87	SMOKE	S	S	
42	Operation bldg.	M3-88	HEAT	S	S	
43	Operation bldg.	M3-89	HEAT	S	S	
44	Operation bldg.	M3-90	SMOKE	S	S	
45	Operation bldg.	M3-91	HEAT	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : SUPPORT,SAFETY BLDG (Node 2)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	ห้องน้ำหญิง	M3-70 (ZONE 2)	MANUAL	S	S	
2	หน้อง Server	M3-69 (ZONE 1)	SMOKE	S	S	
3	ห้องประชุม	M3-69 (ZONE 1)	SMOKE	S	S	
4	ห้องประชุม	M3-69 (ZONE 1)	SMOKE	S	S	
5	ห้องนั่งเล่น	M3-70 (ZONE 2)	MANUAL	S	S	
6	Phoni Booth 1	M3-69 (ZONE 1)	SMOKE	S	S	
7	Phoni Booth 2	M3-69 (ZONE 1)	SMOKE	S	S	
8	Resilince zone	M3-69 (ZONE 1)	SMOKE	S	S	
9	Resilince zone	M3-69 (ZONE 1)	SMOKE	S	S	
10	ห้องพยาบาล	M3-70 (ZONE 2)	MANUAL	S	S	
11	Support bldg first aid	M3-70 (ZONE 2)	SMOKE	S	S	
12	ห้องน้ำหญิง	M3-71 (ZONE 3)	MANUAL	S	S	
13	ห้องเก็บของ	M3-71 (ZONE 3)	MANUAL	S	S	
14	ห้องเก็บ PPE	M3-71 (ZONE 3)	MANUAL	S	S	
15	Safety bldg. locker room	M3-71 (ZONE 3)	SMOKE	S	S	
16	ห้องน้ำชาย	M3-71 (ZONE 3)	SMOKE	S	S	
17	ห้องน้ำชาย	M3-71 (ZONE 3)	MANUAL	S	S	
18	ห้องน้ำชาย	M3-71 (ZONE 3)	MANUAL	S	S	
19	Training room	M3-71 (ZONE 3)	SMOKE	S	S	
20	Training room	M3-71 (ZONE 3)	SMOKE	S	S	
21	Training room	M3-71 (ZONE 3)	SMOKE	S	S	
22	ห้องดนตรี	M3-71 (ZONE 3)	SMOKE	S	S	
23	Safety bldg.	M3-71 (ZONE 3)	MANUAL	S	S	
24	Enduro	M3-69 (ZONE 1)	SMOKE	S	S	
25	Office room	M3-69 (ZONE 1)	SMOKE	S	S	
26	Office room	M3-69 (ZONE 1)	SMOKE	S	S	
27	Room 1	M3-69 (ZONE 1)	SMOKE	S	S	
28	Room 2	M3-69 (ZONE 1)	SMOKE	S	S	
29	Room 3	M3-69 (ZONE 1)	SMOKE	S	S	
30	Room 4	M3-70 (ZONE 2)	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : SUPPORT,SAFETY BLDG (Node 2)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Facility department	M3-71 (ZONE 3)	MANUAL	S	S	
32	Support bldg.	M3-71 (ZONE 3)	MANUAL	S	S	
33	Toilet ชาย	M3-70 (ZONE 2)	SMOKE	S	S	
34	Toilet หญิง	M3-70 (ZONE 2)	SMOKE	S	S	
35	Support bldg.	M3-80	Alarm Bell	S	S	
36	Trainning room	M3-81	Alarm Bell	S	S	
37	Room 5	M3-69	SMOKE	S	S	
38	Office area	M3-69	SMOKE	S	S	
39	Office area	M3-69	SMOKE	S	S	
40	Office area	M3-69	SMOKE	S	S	
41	Office area	M3-69	SMOKE	S	S	
42	Pantry	M3-69	SMOKE	S	S	
43	ห้องนั่งเล่น	M3-69	SMOKE	S	S	
44	Room 4	M3-69	SMOKE	S	S	
45	Facility department	M3-71	MANUAL	S	S	
46	Facility department	M3-71	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 226.3 VAC
Charger control panel 27.42 VDC
Battery back up 27.40 VDC
* Battery start 26/6/25 12V 18Ah

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	CPL op/46	M1-38	MANUAL	S	S	
2	CPL-lab room 1	M1-46	SMOKE	S	S	
3	CPL-lab room 2	M1-45	SMOKE	S	S	
4	CPL - paint line mac-4	M1-27	MANUAL	S	S	
5	CPL - paint line mac-2	M1-14	MANUAL	S	S	
6	CPL new lab op/37	M1-42	MANUAL	S	S	
7	CPL packing mac-1	M1-8	MANUAL	S	S	
8	CPL packing mac-2	M1-5	MANUAL	S	S	
9	CPL-recon area	M1-11	MANUAL	S	S	
10	MCL-inspactor room	M1-47	SMOKE	S	S	
11	Service tunnel north mac	M2-3	MANUAL	S	S	
12	Service tunnel north smoke	M2-2	SMOKE	S	S	
13	Service tunnel north smoke	M2-1	SMOKE	S	S	
14	Air compreeser- mac	M2-8	MANUAL	S	S	
15	Air compreeser- mac	M2-8	MANUAL	S	S	
16	Air compreeser- smoke	M2-7	SMOKE	S	S	
17	Water treat ment smoke	M2-14	SMOKE	S	S	
18	Water treat ment smoke	M2-14	SMOKE	S	S	
19	Water treat ment mac	M2-13	MANUAL	S	S	
20	Water treat ment mac	M2-13	MANUAL	S	S	
21	Solid waste	M2-11	MANUAL	S	S	
22	Service tunnel north mac	M2-3	MANUAL	S	S	
23	Service tunnel north mac	M2-3	MANUAL	S	S	
24	Service tunnel north mac	M2-3	MANUAL	S	S	
25	Service tunnel north smoke	M2-2	SMOKE	S	S	
26	Service tunnel north smoke	M2-2	SMOKE	S	S	
27	Service tunnel north smoke	M2-2	SMOKE	S	S	
28	MCL_2 exit room	M1-86	SMOKE	S	S	
29	MCL_2 exit room	M1-87	SMOKE	S	S	
30	MCL_2 exit room	M1-88	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Strobe horn M2-10 อุปกรณ์เสีย 1 ea (node3)

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1, CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	MCL_2 coating pot room	M2-43	MANUAL	S	S	
32	MCL_2 coating pot room	M2-44	SMOKE	S	S	
33	MCL_2 coating pot room	M2-45	SMOKE	S	S	
34	MCL-2 fire suppression	M2-35	S/S V.	N/A	N/A	Main Valve off
35	MCL-2 fire suppression	M2-39	S/S V.	N/A	N/A	Main Valve off
36	MCL-2 entry meting room	M2-46	MANUAL	S	S	
37	MCL-2 entry meting room	M2-48	SMOKE	S	S	
38	MCL-2 entry meting room	M2-49	SMOKE	S	S	
39	MCL-2 entry room	M2-93	SMOKE	S	S	
40	MCL-2 entry room	M2-94	SMOKE	S	S	
41	MCL-2 entry room	M2-91	MANUAL	S	S	
42	MCL-2 fire suppression	M2-55	S/S V.	N/A	N/A	Main Valve off
43	MCL-2 fire suppression	M2-59	S/S V.	N/A	N/A	Main Valve off
44	MCL-2 fire suppression	M2-63	S/S V.	N/A	N/A	Main Valve off
45	MCL-2 fire suppression	M2-77	S/S V.	N/A	N/A	Main Valve off
46	MCL-2 fire suppression	M2-71	S/S V.	N/A	N/A	Main Valve off
47	MCL-2 fire suppression	M2-63	S/S V.	N/A	N/A	Main Valve off
48	MCL-2 fire suppression	M2-83	S/S V.	N/A	N/A	Main Valve off
49	MCL-2 fire suppression	M1-81	S/S V.	N/A	N/A	Main Valve off
50	HC. Yard Office Rm.	M1-6	SMOKE	S	S	
51	MCL-2 fire suppression	M1-75	S/S V.	N/A	N/A	Main Valve off
52	MCL-2 fire suppression	M1-90	S/S V.	N/A	N/A	Main Valve off
53	MCL-2 fire suppression	M1-61	S/S V.	N/A	N/A	Main Valve off
54	MCL-2 fire suppression	M1-55	S/S V.	N/A	N/A	Main Valve off
55	MCL-2 fire suppression	M1-49	S/S V.	N/A	N/A	Main Valve off
56	MCL-2 disch office	M1-68	MANUAL	S	S	
57	MCL-2 disch office	M1-70	SMOKE	S	S	
58	MCL-2 disch office	M1-71	SMOKE	S	S	
59	MCL-2 disch office	M1-68	MANUAL	S	S	
60	CPL เสา c2/25	M1-33	MANUAL	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1, CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
61	New lab room	M1-43	SMOKE	S	S	
62	New lab room	M1-43	SMOKE	S	S	
63	New lab room	M1-43	SMOKE	S	S	
64	Exit mcl 2 pulpit	M1-84	MANUAL	S	S	
65	MCL 2 Suppervisory	M1-22	S/SV	S	S	
66	CPL Paint line	M1-30	MANUAL	S	S	
67	CPL Recon Area	M1-1	MANUAL	S	S	
68	CPL Paint Store	M1-24	MANUAL	S	S	
69	SERVICE TUNNEL	M2-1	SMOKE	S	S	
70	SERVICE TUNNEL	M2-1	SMOKE	S	S	
71	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
72	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
73	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
74	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
75	EQUIPMENT STORGE W/H	M1-93	MANUAL	S	S	
76	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
77	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
78	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
79	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
80	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
81	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
82	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
83	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
84	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
85	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
86	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	
87	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	
88	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	
89	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 BLDG Node 3 Loop M3

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Mcl-2 coil and storange wast zone 6	M3-34	MANUAL	S	S	
2	Mcl-2 coil and storange wast zone 6	M3-35	MANUAL	S	S	
3	Mcl-2 coil and storange wast zone 6	M3-36	MANUAL	S	S	
4	Mcl-2 coil and storange wast zone 6	M3-37	MANUAL	S	S	
5	Mcl-2 coil and storange central zone 5	M3-33	MANUAL	S	S	
6	Mcl-2 coil and storange central zone 5	M3-29	MANUAL	S	S	
7	Mcl-2 coil and storange east zone 4	M3-23	MANUAL	S	S	
8	Mcl-2 coil and storange east zone 4	M3-24	MANUAL	S	S	
9	Mcl-2 coil and storange east zone 4	M3-25	MANUAL	S	S	
10	MCL-2 entry eer room Zone 2	M3-9	MANUAL	S	S	
11	Mcl-2 coil and storange east zone 4	M3-27	MANUAL	S	S	
12	Mcl-2 coil and storange east zone 4	M3-28	MANUAL	S	S	
13	Mcl-2 Ingot storange Zone 3	M3-16	MANUAL	S	S	
14	Mcl-2 Ingot storange Zone 3	M3-17	MANUAL	S	S	
15	Mcl-2 Ingot storange Zone 3	M3-18	MANUAL	S	S	
16	Mcl-2 coil and storange central zone 5	M3-30	MANUAL	S	S	
17	MCL-2 main eer room Zone1	M3-1	MANUAL	S	S	
18	Mcl-2 coil and storange east zone 4	M3-26	MANUAL	S	S	
19	MCL-2 main eer room Zone1	M3-2	MANUAL	S	S	
20	Mcl-2 coil and storange central zone 5	M3-31	MANUAL	S	S	
21	Mcl-2 coil and storange central zone 5	M3-32	MANUAL	S	S	
22	Mcl-2 New Chemical Storage Zone 8	M3-48	MANUAL	S	S	
23	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
24	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
25	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
26	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
27	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
28	Mcl-2 coating Pot EER RM Zone 7	M3-38	MANUAL	S	S	Under ground EER
29	Mcl-2 NCP1 PLC & Com Rm.	M3-3	IAM	S	S	commons trouble
30	Mcl-2 NCP1 PLC & Com Rm.	M3-4	IAM	S	S	commons alarm

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 BLDG Node 3 Loop M3

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Mcl-2 NCP2 Main Exit EER Rm.	M3-5	IAM SUPERVISORY	S	S	commons trouble
32	Mcl-2 NCP2 Main Exit EER Rm.	M3-6	IAM SUPERVISORY	S	S	commons alarm
33	Mcl-2 NCP3 Coating Pot EER Rm.	M3-39	IAM SUPERVISORY	S	S	commons trouble
34	Mcl-2 NCP3 Coating Pot EER Rm.	M3-40	IAM SUPERVISORY	S	S	commons alarm
35	Mcl-2 NCP4 Premalt EER Rm.	M3-19	IAM SUPERVISORY	S	S	commons trouble
36	Mcl-2 NCP4 Premalt EER Rm.	M3-20	IAM SUPERVISORY	S	S	commons alarm
37	Mcl-2 NCP5 PLC & Comp Rm.	M3-10	IAM SUPERVISORY	S	S	commons trouble
38	Mcl-2 NCP5 PLC & Comp Rm.	M3-11	IAM SUPERVISORY	S	S	commons alarm
39	Mcl-2 NCP2 NO. 6 ENTRY EER Rm.	M3-12	IAM SUPERVISORY	S	S	commons trouble
40	Mcl-2 NCP2 NO. 6 ENTRY EER Rm.	M3-13	IAM SUPERVISORY	S	S	commons alarm

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : ADMIN STATION BLDG SFIP-04 SIMPLEX 4100 ES [NODE 4]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.6 VAC
Charger control panel 27.08 V.dc
Battery back up 27.05 V.dc start using 26/6/25

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : ADMIN STATION BLDG SFIP-04 SIMPLEX 4100 ES [NODE 4]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Admin bldg.	M1-1	SDA	S	S	
2	Ranbuil store	M1-2	SMOKE	S	S	
3	Ranbuil store	M1-2	SMOKE	S	S	
4	Ranbuil store	M1-2	SMOKE	S	S	
5	Admin bldg.canteen	M1-3	SMOKE	S	S	
6	Admin bldg.ห้องประชุม	M1-3	SMOKE	S	S	
7	Admin bldg.office	M1-3	SMOKE	S	S	
8	Admin bldg.office	M1-3	SMOKE	S	S	
9	Admin bldg.office	M1-3	SMOKE	S	S	
10	Admin bldg.office	M1-3	SMOKE	S	S	
11	Admin bldg.office	M1-3	SMOKE	S	S	
12	Admin bldg.office	M1-3	SMOKE	S	S	
13	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
14	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
15	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
16	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
17	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
18	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
19	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
20	Admin bldg.ห้องน้ำชาย	M1-4	HEAT	S	S	
21	Admin bldg.ห้องน้ำหญิง	M1-4	HEAT	S	S	
22	Admin bldg.ประตูทางเข้า	M1-5	MANUAL	S	S	
23	Admin bldg.ประตูexit	M1-6	MANUAL	S	S	
24	Admin bldg.ประตูexit	M1-7	MANUAL	S	S	
25	FCP Training School Bld.	M1-8	IAM Signal Alarm	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Training School Building Notifier (SFP-2402)

Description	Normal Status	Result	Remark
1. Fire Alarm Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Annunciator Panel			
2.1 Check condition of fuse control	N/A	N/A	
2.2 Check condition of Lamp & LEDs	N/A	N/A	
2.3 Check power supply for FCP	N/A	N/A	
2.4 Check cable connection / terminal	N/A	N/A	
2.5 Check Alarm Condition / Function Test	N/A	N/A	
2.6 Visual check condition of battery and housing of battery	N/A	N/A	
2.7 Cleaning of Annunciator Panel	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.3 VAC
Charger control panel 27.25 Vdc.
Battery back up 27.24 Vdc. (Start 26/6/25) 12V 7.5 Ah.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Training School Building Notifier (SFP-2402)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Smoke No.1 Training	Zone 1	Smoke	S	S	
2	Smoke No.2 Training	Zone 1	Smoke	S	S	
3	Smoke No.3 Training	Zone 1	Smoke	S	S	
4	Smoke No.4 Training	Zone 1	Smoke	S	S	
5	Manual Training	Zone 1	Manual	S	S	
6	Smoke No.1 Training	Zone 2	Smoke	S	S	
7	Smoke No.2 Training	Zone 2	Smoke	S	S	
8	Smoke No.3 Training	Zone 2	Smoke	S	S	
9	Smoke No.4 Training	Zone 2	Smoke	S	S	
10	Smoke No.5 Training	Zone 2	Smoke	S	S	
11	Smoke No.6 Training	Zone 2	Smoke	S	S	
12	Smoke No.7 Training	Zone 2	Smoke	S	S	
13	Smoke No.8 Training	Zone 2	Smoke	S	S	
14	Smoke No.9 Training	Zone 2	Smoke	S	S	
15	Manual No.1 Training	Zone 2	Manual	S	S	
16	Manual No.2 Training	Zone 2	Manual	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE ALARM SYSTEM

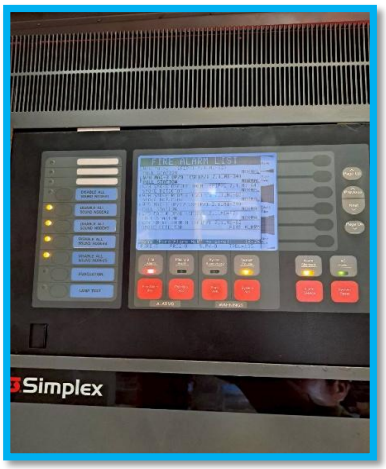
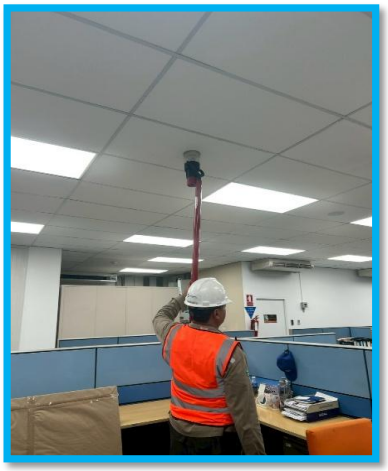
		

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INERGEN SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- MAIN EER. ROOM POTTER PFC- 4410RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.4 VAC
Charger control panel 27.16 Vdc.
Battery back up 27.12 Vdc. (start using 5/3/24)
* Battery อายุการใช้งานเกิน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- MAIN EER. ROOM POTTER PFC- 4410RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	
3	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	
4	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	
5	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	
6	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	
7	PKL-maln eer.room	ZONE. 3	MANAUL1	S	S	to discharge 30 sec
8	PKL-maln eer.room	ZONE. 3	MANAUL2	S	S	to discharge 30 sec
9	PKL-maln eer.room		STOBE light	S	S	active pre discharge
10	PKL-maln eer.room		Solenoid Valve	S	S	to discharge
11	PKL-maln eer.room		ABORT.SW 1	S	S	นับต่อเนื่อง remain 10 sec
12	PKL-maln eer.room		ABORT.SW 2	S	S	
13	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	
14	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test o.k
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* Alarm 1 stobe horn ทำงาน, Alarm 2 stobe light ทำงาน
* Manual release stobe horn active

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM- MAIN EER. ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.9 VAC
Charger control panel 27.15 VDC
Battery back up 27.14 VDC (start using 20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM- MAIN EER. ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CRM main eer.room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
3	CRM main eer.room	ZONE.1	SMOKE.1	S	S	
4	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
5	CRM main eer.room	ZONE.1	SMOKE.1	S	S	
6	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
7	CRM main eer.room	ZONE.1	SMOKE.1	S	S	
8	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
9	CRM main eer.room		MANUAL	S	S	to discharge 30 sec
10	CRM main eer.room		ABORT.SW	S	S	remain 10 sec.
11	CRM main eer.room		STOBE light	S	S	active pre discharge
12			Solenoid	S	S	to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test normal
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* เปลี่ยน smok zone 2 จำนวน 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM SAVER COMPUTOR ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.3 VAC
Charger control panel 27.25 VDC
Battery back up 27.24 VDC (start using 20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM SAVER COMPUTOR ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
3	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	
4	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
5	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	
6	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
7	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	
8	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
9	CRM- main eer.server room		MANUAL	S	S	to discharge 30 sec
10	CRM- main eer.server room		ABORT.SW	S	S	remain 10 sec.
11			MANUAL	S	S	to discharge 30 sec
12			STOBE light	S	S	active pre discharge
13			Solenoid Valve	S	S	to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test normal
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1- MAIN EER. ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 229.6 VAC
Charger control panel 27.38 V.dc
Battery back up 27.33 V.dc Start using (20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1- MAIN EER. ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
3	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
4	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
5	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
6	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
7	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
8	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
9	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
10	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
11	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
12	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
13	MCL-main eer.room		MANUAL 1	S	S	to discharge 30 sec
14	MCL-main eer.room		MANUAL 1	S	S	to discharge 30 sec
15	MCL-main eer.room		Strobe Light	S	S	active pre discharge
16	MCL-main eer.room		Solenoid Valve	S	S	to discharge
17	MCL-main eer.room		ABORT.SW	S	S	remain 10 sec.
18	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
19	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test normal
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1-PROGRAM SARVER. ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.5 VAC
Charger control panel 27.24 V.dc
Battery back up 27.22 VDC (start using 20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1-PROGRAM SAVER. ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-program server .room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	MCL-program server .room	ZONE.2	SMOKE.2	S	S	
3	MCL-program server .room	ZONE.1	SMOKE.1	S	S	
4	MCL-program server .room	ZONE.2	SMOKE.2	S	S	
5	MCL-program server .room		MANUAL	S	S	to discharge 30 sec
6	MCL-program server .room		STROBE light	S	S	active discharge
7	MCL-program server .room		Solenoid Valve	S	S	to discharge
8	MCL-program server .room		ABORT.SW	S	S	remain 10 sec.

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MAIN SUB-115 KV POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 225.4 VAC
Charger control panel 27.68 V.dc
Battery back up 27.65 Vdc (start using 27/01/25)

* หน้าปัด pressure gauge สำหรับถัง Inergen ที่ห้องไฟฟ้า 115 KW เสื่อมสภาพ จำนวน 3 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MAIN SUB 115 KV POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	115 KV .room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	115 KV .room	ZONE.2	SMOKE.2	S	S	
3	115 KV .room	ZONE.3	MANUAL	S	S	to discharge 30 sec
4	115 KV .room		Strobe Light	S	S	active pre discharge
5	115 KV .room		Solenoid Valve	S	S	to discharge
6	115 KV .room	ZONE.4	ABORT.SW	S	S	remain 10 sec

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Smoke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Support Bldg. (server room) Auto

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
IUEWQ Check condi|yv cxsde	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.3 VAC
Charger control panel 26.87 Vdc.
Battery back up 26.85 Vdc. (Start using 27/01/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Support Bldg. (server room) Auto

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	Server Room	ZONE.1	Smoke Detector	S	S	cross zone detector discharge 30sec
2	Server Room	ZONE.2	Smoke Detector	S	S	
3	Server Room	ZONE.1	Smoke Detector	S	S	
4	Server Room	ZONE.2	Smoke Detector	S	S	
5	Server Room	ZONE.3	Manual Release	S	S	to discharge 30 sec
6	Server Room	ZONE.4	Abort Switch	S	S	remain 10 sec
7	Server Room	ZONE.5	Pressure Switch	S	S	active alarm bell
8	Server Room	NAC 2	Stobe / horn	S	S	active first alarm
9	Server Room	NAC 3	Alarm Bell	S	S	active pre discharge
10	Server Room	NAC 1	Solenoid Valve	S	S	to discharge
11	Server Room	NAC 1	Key Switch	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : * Smoke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* Alarm 1 : Stobe ดังเป็น pulse
* Alarm 1 : Stobe ดังเป็น pulse / bell ดังยาว
* Discharge : Stobe ดังยาว / bell ดังยาว

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN PKL, CRM

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	CRM EER Room	661066	S	150 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
2	CRM EER Room	661141	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
3	CRM EER Room	661362	S	175 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
4	CRM EER Room	661130	S	150 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
5	CRM EER Room	661240	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
6	CRM EER Room	661300	S	160 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
7	CRM EER Room	661330	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
8	CRM EER Room	661270	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
9	CRM EER Room	661157	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
10	CRM EER Room	661073	S	150 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
11	CRM EER Room (Master)	661136	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
12	PKL EER Room	661100	S	155 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
13	PKL EER Room (Master)	661123	S	175 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
14	PKL EER Room	661218	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
15	PKL EER Room	661164	S	150 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
16	PKL EER Room	661218	S	171 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
17	PKL EER Room	661131	S	175 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
18	PKL EER Room	661111	S	165 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
19	PKL EER Room	661091	S	169 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
20	PKL EER Room	661160	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
21	PKL EER Room	661294	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
22	PKL EER Room	661202	US	132 bar	Mar-97	Jul-18	Low pressure
23	EER Room (Computer CRM RM)	661096	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
24	EER Room (Computer CRM RM)	661404	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
25	EER Room (Computer CRM RM)	661067	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
26	EER Room (Computer CRM RM)	661342	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
27	CRM EER Room (Computer CRM RM) (Master)	661298	S	160 bar	Mar-97	Nov-20	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: ควรนำไป Hydro test และ Refill ใหม่ จำนวน 22 ถัง
No. 661157, 661218, 661294 ห้อง CRM EER Room, PKL EER Room จำนวน 3 ถัง (ยังไม่มี pressure gauge)
No. 661342 ห้อง EER Room (Computer CRM RM) จำนวน 1 ถัง (ยังไม่มี pressure gauge)
No. 661202 ห้อง PKL EER Room Low pressure จำนวน 1 ถัง

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN MCL 1

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL1 EER ROOM (Master)	661304	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
2	MCL1 EER ROOM	661143	S	155 bar	Mar-97	Nov-20	
3	MCL1 EER ROOM	661275	S	155 bar	Mar-97	Nov-20	
4	MCL1 EER ROOM	661252	S	150 bar	Mar-97	Nov-20	
5	MCL1 EER ROOM	661044	S	150 bar	Mar-97	Dec-20	
6	MCL1 EER ROOM	661114	S	150 bar	Mar-97	Dec-20	
7	MCL1 EER ROOM	661056	S	130 bar	Mar-97	Dec-20	
8	MCL1 EER ROOM	661305	S	150 bar	Mar-97	Dec-20	
9	MCL1 EER ROOM	661205	S	150 bar	Mar-97	Dec-20	
10	MCL1 EER ROOM	661118	S	150 bar	Mar-97	Mar-21	
11	MCL1 EER ROOM	661829	S	150 bar	Mar-97	Mar-21	
12	MCL1 EER ROOM	661272	S	150 bar	Mar-97	Dec-20	
13	MCL1 EER ROOM	661185	S	155 bar	Mar-97	Mar-21	
14	MCL1 EER ROOM	661080	S	150 bar	Mar-97	Mar-21	
15	MCL1 EER ROOM	661074	S	150 bar	Mar-97	Mar-21	
16	MCL1 EER ROOM	661273	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
17	MCL1 EER ROOM	661367	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
18	MCL1 EER ROOM	661172	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
19	MCL1 EER ROOM	661166	S	160 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
20	MCL1 EER ROOM	661150	S	153 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
21	MCL1 EER ROOM	661337	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
22	MCL1 EER ROOM	661299	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
23	MCL1 EER ROOM	661147	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
24	MCL1 EER ROOM	661225	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
25	MCL1 EER ROOM	661226	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
26	MCL1 EER ROOM	661315	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
27	MCL1 EER ROOM	661207	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
28	MCL1 EER ROOM	661265	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
29	MCL1 EER ROOM	661377	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
30	MCL1 EER ROOM	661291	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 16 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN MCL 1

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL1 EER ROOM (Master)	661392	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
32	MCL1 EER RM(Computer MCL1)	661183	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
33	MCL1 EER RM(EER MCL1)	661414	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
34	MCL1 EER RM(EER MCL1)	661319	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
35	MCL1 EER RM(EER MCL1)	661211	S	-	Mar-97	Mar-18	ไม่มี pressure gauge และควรนำไป Hydro test , Refill
36	MCL1 EER RM(EER MCL1)	661260	S	-	Mar-97	Mar-18	ไม่มี pressure gauge และควรนำไป Hydro test , Refill
37	MCL1 EER RM(EER MCL1)	661372	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
38	MCL1 EER RM(EER MCL1)	661195	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
39	MCL1 EER RM(EER MCL1)	661075	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
40	MCL1 EER RM(EER MCL1)	661262	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
41	MCL1 EER RM(EER MCL1)	661087	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
42	MCL1 EER RM(EER MCL1)	661303	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
43	MCL1 EER RM(EER MCL1)	661501	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
44	MCL1 EER RM(EER MCL1)	695264	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
45	MCL1 EER RM(EER MCL1) (Master)	661261	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
46	MCL1 EER RM(EER MCL1)	661116	S	152 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
47	MCL1 EER RM(EER MCL1)	661125	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
48	MCL1 EER RM(EER MCL1)	661293	S	165 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **Item 34-48 เข้าในระบบแล้ว**
ควรนำไป Hydro test และ Refill ใหม่ จำนวน 16 ถัง
No. 661211, 661260, 661372, 661303 ไม่มี pressure gauge จำนวน 4 ถัง

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN SUB 115KV

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	SUB 115KV (Master)	661032	S	160 bar	Mar-97	Nov-20	
2	SUB 115KV	695331	S	160 bar	Mar-97	Nov-20	
3	SUB 115KV	661174	S	140 bar	Mar-97	Nov-20	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **Pressure gauge วัดแรงดันถัง Inergen system ด้านหน้า gauge เสื่อมสภาพ มองไม่ชัดเจน จำนวน 3 ea**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN Server | Support Building

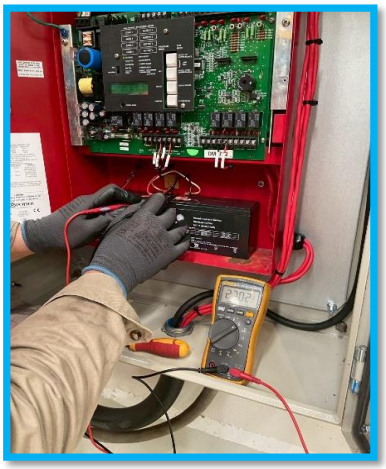
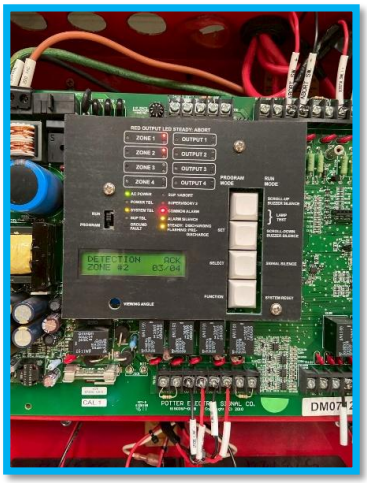
item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	Server Room	14T049158	S	2175 psi		May-14	ควรนำไป Hydro test และ Refill
2	Server Room	14T050156	S	2175 psi		May-14	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 2 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST INERGEN SYSTEM

		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FM-200 SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- NEW MAIN EER ROOM. FM 200 FIKE PROTECTION

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	FM-200 set ไว้ที่ mode manual test
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 226.7 VAC
Charger control panel 27.52 V.dc
Battery back up 27.43 V.dc (strt using 23/7/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- NEW MAIN EER. ROOM FM 200 FIKE PROTECTION

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	FM-200 NEW-PKL-main eer .room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	FM-200 NEW-PKL-main eer .room	ZONE.2	SMOKE.2	S	S	แก้ไขแล้ว
3	FM-200 NEW-PKL-main eer .room	ZONE.1	SMOKE.1	S	S	Alarm 1 Bell
4	FM-200 NEW-PKL-main eer .room	ZONE.2	SMOKE.2	S	S	Alarm 2 Stobe horn
5	FM-200 NEW-PKL-main eer .room	ZONE.3	MANUAL	S	S	to discharge
6	FM-200 NEW-PKL-main eer .room	ZONE.8	HORN&STOBE	S	S	active pre alarm
7	FM-200 NEW-PKL-main eer .room	ZONE.9	Solenoid Valve	S	S	to discharge
8	FM-200 NEW-PKL-main eer .room	ZONE.4	ABORT.SW	S	S	original time
		ZONE. 6	Alarm Bell	S	S	active first alarm

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

* Smoke detector cross zone delay times 30 sec.
* Abort switch push to Original time delay
* Manual release push to discharge gas
* Alarm 1 bell ทำงาน, Alarm 2 stobe horn ทำงาน, Release stobe horn, Stobe light ทำงาน
* Manual stobe horn, stobe light ทำงาน
* ควรติดตั้ง horn&stobe ภายในห้อง EER room (PKL)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FM-200 SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression CO2 System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL2 Entry EER. Room / Autopulse 542 R

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual pull station	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check selector valve and function test	S	S	
2.8 Check condition of all alarm devise and testing	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

AC Power	227.5	VAC	
Charger control panel	27.31	VDC	
Battery back up	27.30	VDC	(Start Using 22/10/25)

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression CO2 System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL2 Entry EER. Room / Autopulse 542 R

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	Transformer XFHV-12	1	Heat	S	S	
2	Transformer XFHV-12	2	Heat	S	S	
3	Transformer XFHV-12	3	Manual	S	S	
4	Transformer XFHV-12	5	Pressure Switch	S	S	
5	Transformer XFHV-12	6	Lock Out Valve	S	S	
6	Transformer XFHV-12	NAC 1	Solenoid Valve	S	S	
7	Transformer XFHV-12	NAC 2	Strobe / Horn	S	S	First alarm active
8	Transformer XFHV-12	NAC 3	Alarm Bell	S	S	Second alarm active
9	Transformer XFHV-12	NAC 1	Key SW.	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: * Heat detector cross zone delay time 30 sec to discharge
* Manual release delay times 30 sec to discharge
* Alarm 1 stobe horn ทำงาน, Alarm 2 bell ทำงาน
* Discharge stobe horn, bell ทำงาน

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CARBON DIOXIDE FIRE EXTINGUISHING SYSTEMS
Semi-Annual Tests and Maintenance

AREA : Transformer XFHV-12 **DATE : 23 April 2026**

Num.	AREA	Cylinder Number	Empty Weight (Kg.)		Full Weight (Kg.)		Actual Weight (Kg.)				% Lost	Date of Manufacture	Date of Hydro Test	Total Year	Result
1	Transformer XFHV-12	15K520140	80.90	Kg.	125.90	Kg.	125.64	kg.	-	kg.	0.148%	10 / 2015	Nov-23	2	
2	Transformer XFHV-12	15K520165	81.81	Kg.	126.89	Kg.	127.82	kg.	-	kg.	0.281%	10 / 2015	Nov-23	2	
3	Transformer XFHV-12	15K520201	80.00	Kg.	125.00	Kg.	125.06	kg.	-	kg.	0.025%	10 / 2015	Nov-23	2	
4	Transformer XFHV-12	15K520024	80.90	Kg.	125.90	Kg.	126.74	kg.	-	kg.	0.039$	10 / 2015	Nov-23	2	
5	Transformer XFHV-12	15K520106	78.63	Kg.	123.63	Kg.	124.10	kg.	-	kg.	0.004%	10 / 2015	Nov-23	2	
6	Transformer XFHV-12	15K520154	81.81	Kg.	126.81	Kg.	127.64	kg.	-	kg.	0.020%	10 / 2015	Nov-23	2	

Remark : Lost of more than 10% requires refilling. **The hydrostatic test for CO2 cylinder is required every 12 years.**

Takachiho fire, Security & Services (Thailand) Ltd.

Completed By : _____ Witnessed By : _____

Signature : _____ Signature : _____

Date : _____ Date : _____

$$\frac{\text{Actual Weight - Full Weight}}{\text{Empty Weight}} \times 100$$

(-) = Lost, Weight the cylinder lost of more than 10 % need to refill

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST CO2 SYSTEM

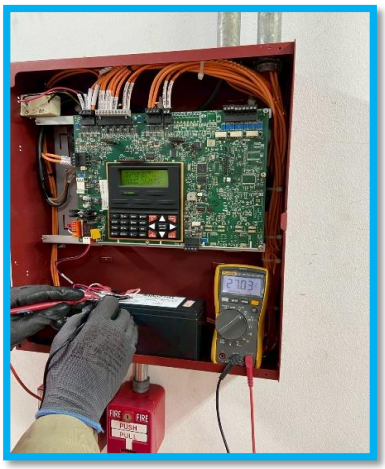


Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

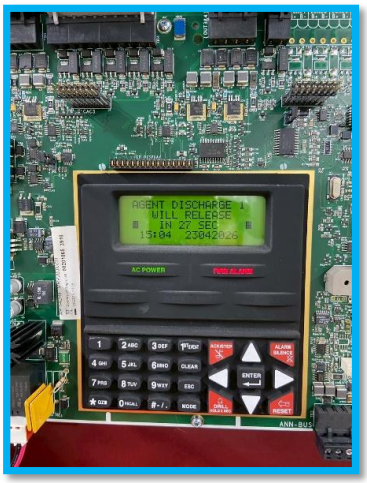


Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

NITROGEN FIRE SUPPRESSION SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTER ROOM NCP NO. 1 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check selector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 229.6 VAC
Charger control panel 26.71 VDC
Battery back up 26.68 VDC (Replace Battery 30/3/26)
* Smoke detector zone 1 อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTTER ROOM NCP NO. 1 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	SERVER&COMPUTTER ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	SERVER&COMPUTTER ROOM	ZONE2	SMOKE	S	S	
3	SERVER&COMPUTTER ROOM	ZONE1	SMOKE	US	US	อุปกรณ์เสีย test ไม่ส่ง alarm
4	SERVER&COMPUTTER ROOM	ZONE2	SMOKE	S	S	
5	SERVER&COMPUTTER ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
6	SERVER&COMPUTTER ROOM		BELL	S	S	first alarm
7	SERVER&COMPUTTER ROOM		HORN&STOBE	S	S	second alarm
8	SERVER&COMPUTTER ROOM		Solenoid Valve	S	S	to discharge
9	SERVER&COMPUTTER ROOM		ABORT.SW	S	S	to reset panel

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1 Bell ดังยาว
* Alarm 2 Bell ดังยาว, stobe/horn ดังเป็นจังหวะ
* Discharge Bell, stobe/horn ดังยาว (OP85)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTER ROOM NCP NO. 2 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.7 VAC
Charger control panel 26.54 VDC
Battery back up 26.52 VDC (Replace Battery 30/3/26)
* Selector ทำงานตอน smoke cross zone
* By pass pressure gauge by tank no 5,18,27,28,39,75,78,101
* Smoke test อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 5 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTTER ROOM NCP NO. 2 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	US	US	cross zone detector discharge 45 sec อุปกรณ์เสีย test ไม่ส่ง alarm = 5 ea
2	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	US	US	
3	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	US	US	
4	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	US	US	
5	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	US	US	
6	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
7	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
8	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
9	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
10	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
11	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
12	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
13	MCL-2 MAIN EER ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
14	MCL-2 MAIN EER ROOM		BELL	S	S	first alarm
15	MCL-2 MAIN EER ROOM		HORN&STOBE	S	S	second alarm
16	MCL-2 MAIN EER ROOM		Solenoid Valve	S	S	to dischage
17	MCL-2 MAIN EER ROOM		ABORT.SW	S	S	to reset panel
18	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
19	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : test function and clean detector
system is normal
No.5,18,27,28,39,41 pressure gauge was broken
* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1, Alarm 2 Bell ดังยาว
* Discharge Bell ดังยาว
* Stobe/horn alarm 2 ดังเป็นเพ้าท์
* Stobe/horn discharge ดังเร็วถี่ขึ้น (OP84)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER COATING POT ROOM EER ROOM ใต้ดิน NCP NO. 3 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 229.4 VAC
Charger control panel 26.69 VDC
Battery back up 26.67 VDC (Replace Battery 30/3/26)
**By pass pressure gauge by tank no. 1,2,3,10,11,15

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER COATING POT ROOM NCP NO. 3 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MAIN EER COATING POT ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	MAIN EER COATING POT ROOM	ZONE2	SMOKE	S	S	
3	MAIN EER COATING POT ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
4	MAIN EER COATING POT ROOM		BELL	S	S	first alarm
5	MAIN EER COATING POT ROOM		HORN&STOBE	S	S	second alarm
6	MAIN EER COATING POT ROOM		Solenoid Valve	S	S	to discharge
7	MAIN EER COATING POT ROOM		ABORT.SW	S	S	to reset panel

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1, Alarm 2 Bell ดังยาว
* Discharge Bell ดังยาว
* Stobe/horn alarm 2 ดังเป็นเพ้าท์
* Stobe/horn discharge ดังเร็วถี่ขึ้น

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 MAIN EER PREMELT ROOM NCP NO. 4 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 229.4 VAC
Charger control panel 26.57 VDC
Battery back up 26.52 VDC (Replace Battery 30/3/26)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 PREMALT ROOM NCP NO. 4 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MAIN EER PREMELT ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	MAIN EER PREMELT ROOM	ZONE2	SMOKE	S	S	
3	MAIN EER PREMELT ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
4	MAIN EER PREMELT ROOM		BELL	S	S	first alarm
5	MAIN EER PREMELT ROOM		HORN&STOBE	S	S	second alarm
6	MAIN EER PREMELT ROOM		Solenoid Valve	S	S	to discharge
7	MAIN EER PREMELT ROOM		ABORT.SW	S	S	to reset panel

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1, Alarm 2 discharge bell ดังยาว
* Alarm 2 stobe/horn ดังเป็นเพ้าท์
* Discharge stobe/horn ดังเร็วถี่ขึ้น

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 ENTRY MAIN EER ROOM PLC&COMPUTTER ROOM NCP NO. 5 Potter

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.5 VAC
Charger control panel 27.29 VDC
Battery back up 27.25 VDC (Start using 22/10/25)
* Smoke detector zone 2 อุปกรณ์เสีย 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 ENTRY MAIN EER ROOM PLC&COMPUTTER ROOM NCP NO. 5 Potter

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	ENTRY PLC&COMPUTTER ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	ENTRY PLC&COMPUTTER ROOM	ZONE2	SMOKE	S	S	
3	ENTRY PLC&COMPUTTER ROOM	ZONE1	SMOKE	S	S	
4	ENTRY PLC&COMPUTTER ROOM	ZONE2	SMOKE	US	US	อุปกรณ์เสีย
5	ENTRY PLC&COMPUTTER ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
6	ENTRY PLC&COMPUTTER ROOM		BELL	S	S	first alarm
7	ENTRY PLC&COMPUTTER ROOM		HORN&STOBE	S	S	second alarm
8	ENTRY PLC&COMPUTTER ROOM		Solenoid Valve	S	S	to dischage
9	ENTRY PLC&COMPUTTER ROOM		ABORT.SW	S	S	remain 10 sec

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

* Smoke detector cross zone delay times 45 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* Alarm 1 bell ทำงาน
* Alarm 2 stobe/horn ทำงานยาว
* Discharge bell, stobe/horn ดังยาว

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 ENTRY MAIN EER ROOM NCP NO. 6 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.5 VAC
Charger control panel 27.28 VDC
Battery back up 27.26 VDC (Replace Battery 22/10/25)
**By pass pressure gauge by tank no18,27,28,39,49,75,78,101
* Smoke test อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2ENTRY MAIN EER.ROOM NCP NO. 6 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	ENTRY MAIN EER. ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	ENTRY MAIN EER. ROOM	ZONE2	SMOKE	US	US	อุปกรณ์เสีย test ไม่ส่ง alarm
3	ENTRY MAIN EER. ROOM	ZONE1	SMOKE	S	S	
4	ENTRY MAIN EER. ROOM	ZONE2	SMOKE	S	S	
5	ENTRY MAIN EER. ROOM	ZONE1	SMOKE	S	S	
6	ENTRY MAIN EER. ROOM	ZONE2	SMOKE	S	S	
7	ENTRY MAIN EER. ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
8	ENTRY MAIN EER. ROOM		BELL	S	S	first alarm
9	ENTRY MAIN EER. ROOM		HORN&STOBE	S	S	second alarm
10	ENTRY MAIN EER. ROOM		Solenoid Valve	S	S	to discharge
11	ENTRY MAIN EER. ROOM		ABORT.SW	S	S	to reset panel
			Selector	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : * Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (COATING PORT EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	COATING PORT EER ROOM (Master Tank)	1573338 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
2	COATING PORT EER ROOM	1573483 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
3	COATING PORT EER ROOM	1573557 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
4	COATING PORT EER ROOM	1573170 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
5	COATING PORT EER ROOM	1573091 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
6	COATING PORT EER ROOM	1573185 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
7	COATING PORT EER ROOM	1573634 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
8	COATING PORT EER ROOM	1573498 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
9	COATING PORT EER ROOM	1573503 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
10	COATING PORT EER ROOM	1573577 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
11	COATING PORT EER ROOM	1573379 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
12	COATING PORT EER ROOM	1573837 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
13	COATING PORT EER ROOM	1573166 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
14	COATING PORT EER ROOM	1573347 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
15	COATING PORT EER ROOM	1573540 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 15 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2(PLC&COM Room, ENTRY EER)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	PLC &COM ROOM (Master Tank)	1573508 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
2	PLC &COM ROOM	1573673 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
3	PLC &COM ROOM	1573669 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
4	PLC &COM ROOM	1573518 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
5	PLC &COM ROOM	1573604 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
6	PLC &COM ROOM	1573425 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
7	PLC &COM ROOM	1573564 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
8	PLC &COM ROOM	1573568 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 8 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PLC & COMPUTOR ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	Main PLC & COMPUTOR ROOM (Master)	1559684 UT	S	228 Bar	Dec-03		ควรนำไป Hydro test และ Refill
2	Main PLC & COMPUTOR ROOM	1559786 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
3	Main PLC & COMPUTOR ROOM	1559688 UT	S	225 Bar	Dec-03		ควรนำไป Hydro test และ Refill
4	Main PLC & COMPUTOR ROOM	1559744 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
5	Main PLC & COMPUTOR ROOM	1560120 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
6	Main PLC & COMPUTOR ROOM	1559736 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 6 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PREMALT ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	PREMALT ROOM (Master Tank)	1573547 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
2	PREMALT ROOM	1573504 UT	S	225 Bar	Dec-03		ควรนำไป Hydro test และ Refill
3	PREMALT ROOM	1573433 UT	S	225 Bar	Dec-03		ควรนำไป Hydro test และ Refill
4	PREMALT ROOM	1573406 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 4 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 2 EER ROOM (Master Tank)	1573268 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
2	MCL 2 EER ROOM	1573249 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
3	MCL 2 EER ROOM	1573088 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
4	MCL 2 EER ROOM	1559588 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
5	MCL 2 EER ROOM	1573348 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
6	MCL 2 EER ROOM	1559993 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
7	MCL 2 EER ROOM	1560025 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
8	MCL 2 EER ROOM	1559959 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
9	MCL 2 EER ROOM	1573333 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
10	MCL 2 EER ROOM	1573259 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
11	MCL 2 EER ROOM	1573145 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
12	MCL 2 EER ROOM	1573188 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
13	MCL 2 EER ROOM	1573205 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
14	MCL 2 EER ROOM	1573087 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
15	MCL 2 EER ROOM	1573204 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
16	MCL 2 EER ROOM	1573199 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
17	MCL 2 EER ROOM	1560141 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
18	MCL 2 EER ROOM	1559946 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
19	MCL 2 EER ROOM	1560058 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
20	MCL 2 EER ROOM	1559915 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
21	MCL 2 EER ROOM	1559651 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
22	MCL 2 EER ROOM	1573374 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
23	MCL 2 EER ROOM	1573355 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
24	MCL 2 EER ROOM	1573271 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
25	MCL 2 EER ROOM	1573220 UT	S	240 bar	Dec-03		ควรนำไป Hydro test และ Refill
26	MCL 2 EER ROOM	1559934 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
27	MCL 2 EER ROOM	1560119 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
28	MCL 2 EER ROOM	1573247 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
29	MCL 2 EER ROOM	1573331 UT	S	215 bar	Dec-03		ควรนำไป Hydro test และ Refill
30	MCL 2 EER ROOM	1560070 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 30 ถัง**

* Pressure gauge ถัง Item no. 1-24 ด้านหน้า gauge เริ่มเสื่อมสภาพมองไม่ชัดเจน จำนวน 24 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL 2 EER ROOM	1559711 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
32	MCL 2 EER ROOM	1558695 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
33	MCL 2 EER ROOM	1559757 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
34	MCL 2 EER ROOM	1559701 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
35	MCL 2 EER ROOM	1559700 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
36	MCL 2 EER ROOM	1559917 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
37	MCL 2 EER ROOM	1559699 UT	S	250 bar	Dec-03		ควรนำไป Hydro test และ Refill
38	MCL 2 EER ROOM	1573274 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
39	MCL 2 EER ROOM	1573354 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
40	MCL 2 EER ROOM	1573312 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
41	MCL 2 EER ROOM	1573104 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
42	MCL 2 EER ROOM	1573281 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
43	MCL 2 EER ROOM	1573657 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
44	MCL 2 EER ROOM	1573488 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
45	MCL 2 EER ROOM	1573392 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
46	MCL 2 EER ROOM	1573394 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
47	MCL 2 EER ROOM	1573377 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
48	MCL 2 EER ROOM (Master Tank)	1573613 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
49	MCL 2 EER ROOM (Master Tank)	1573441 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
50	MCL 2 EER ROOM	1573324 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
51	MCL 2 EER ROOM	1559613 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
52	MCL 2 EER ROOM	1559941 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
53	MCL 2 EER ROOM	1559970 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
54	MCL 2 EER ROOM	1573671 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
55	MCL 2 EER ROOM	1559830 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
56	MCL 2 EER ROOM	1560099 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
57	MCL 2 EER ROOM	1559820 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
58	MCL 2 EER ROOM	1559977 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
59	MCL 2 EER ROOM	1559745 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
60	MCL 2 EER ROOM	1560115 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 30 ถัง**

* Pressure gauge ถัง Item no. 50, 51, 52, 54, 55, 56, 57, 58, 59, 60 ด้านหน้า gauge เริ่มเสื่อมสภาพมองไม่ชัดเจน จำนวน 10 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
61	MCL 2 EER ROOM	1573376 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
62	MCL 2 EER ROOM	1573597 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
63	MCL 2 EER ROOM	1560006 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
64	MCL 2 EER ROOM	1559998 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
65	MCL 2 EER ROOM	1559856 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
66	MCL 2 EER ROOM	1559939 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
67	MCL 2 EER ROOM	1573560 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
68	MCL 2 EER ROOM	1573350 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
69	MCL 2 EER ROOM	1559717 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
70	MCL 2 EER ROOM	1559954 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
71	MCL 2 EER ROOM	1573269 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
72	MCL 2 EER ROOM	1573210 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
73	MCL 2 EER ROOM	1573579 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
74	MCL 2 EER ROOM	1560056 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
75	MCL 2 EER ROOM	1559686 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
76	MCL 2 EER ROOM	1573616 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
77	MCL 2 EER ROOM	1573370 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
78	MCL 2 EER ROOM	1573402 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
79	MCL 2 EER ROOM	1573534 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
80	MCL 2 EER ROOM	1573617 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
81	MCL 2 EER ROOM	1573666 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
82	MCL 2 EER ROOM	1560114 UT	S	212 bar	Dec-03		ควรนำไป Hydro test และ Refill
83	MCL 2 EER ROOM	1560146 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
84	MCL 2 EER ROOM	1559843 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
85	MCL 2 EER ROOM	1560040 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
86	MCL 2 EER ROOM	1559857 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
87	MCL 2 EER ROOM	1560003 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
88	MCL 2 EER ROOM	1559935 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
89	MCL 2 EER ROOM	1560029 UT	S	212 bar	Dec-03		ควรนำไป Hydro test และ Refill
90	MCL 2 EER ROOM	1559690 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 30 ถัง**

* Pressure gauge ถัง Item no. 61,62,63,64,65,66,67,68,69,70,71,72,73,75,77,78 ด้านหน้า gauge เริ่มเสื่อมสภาพมองไม่ชัดเจน จำนวน 16 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 23 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
91	MCL 2 EER ROOM	1559687 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
92	MCL 2 EER ROOM	1559597 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
93	MCL 2 EER ROOM	1559918 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
94	MCL 2 EER ROOM	1559697 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
95	MCL 2 EER ROOM	1560034 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
96	MCL 2 EER ROOM	1573090 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
97	MCL 2 EER ROOM	1573306 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
98	MCL 2 EER ROOM	1560083 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
99	MCL 2 EER ROOM	1559800 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
100	MCL 2 EER ROOM	1573363 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
101	MCL 2 EER ROOM	1573102 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
102	MCL 2 EER ROOM	1573332 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
103	MCL 2 EER ROOM	1573360 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
104	MCL 2 EER ROOM	1560106 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
105	MCL 2 EER ROOM	1559983 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
106	MCL 2 EER ROOM	1573529 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
107	MCL 2 EER ROOM	1573644 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
108	MCL 2 EER ROOM (Master Tank)	1573495 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 18 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST NITROGEN SYSTEM

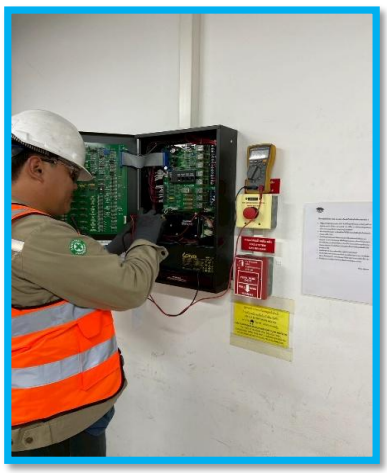
		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DELUGE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

SYSTEM COMPONENTS

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR DELUGE SYSTEM

1 Spray Nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. Pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

4 Gauges : Note condition of gauges. Record water pressure (PSI)

5 Flow Test : Conduct full flow test. Assure system operates properly and record operation time.

6 Deluge Valve : Internal inspect deluge or preaction valve. Verify that all components operate, properly, move freely and in good condition. If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe un der " Remark "

7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

8 Deluge Supervisory Panel and equipments appear operation. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

AUTOMATIC SPRINKLER SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR AUTOMATIC SPRINKLER SYSTEM(WET PIPE)

1 Sprinkler nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no obstructions, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
4 Gauges : Note condition of gauges. Record water pressure (PSI)	
5 Flow Test : Conduct full flow test at test valve for ensure alarm gong or pressure switch work properly in alarm function	
6 Alarm Valve: Internal inspect alarm valve. Verify that all components to proper operate ,move freely and in good condition If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under "remark"	S
7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S
8 Main drain valve: check main drain valve are in close position and no leak	
9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S

Inspector By: Subin, Wachira, Somkid, Anucha, Anuchit

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **24 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzle	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
1	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	S	N/A	155	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	
2	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	S	N/A	155	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	
3	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	S	N/A	155	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	
4	AV-LISTED 461A 2.5	CRM .EXIT DUCT	S	N/A	S	155	170	N/A	N/A	S	S	S	S	S	N/A	N/A	
5	DV-LISTED 461A 2.5	CRM-CELLA	S	N/A	S	155	165	N/A	N/A	S	S	S	S	S	N/A	N/A	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **24 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzle	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
6	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	N/A	S	150	170	N/A	N/A	N/A	S	S	S	S	S	S	
7	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	S	
8	DV-LISTED 457.A 2.6	CRM .BLDG	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	S	
9	AV-LISTED 461A 2.5	CRM .EXIT DUCT	N/A	N/A	S	155	175	N/A	N/A	N/A	S	S	S	S	S	S	
10	AV-LISTED 461A 2.5	MCL1 cable cella	N/A	N/A	N/A	150	170	N/A	N/A	N/A	S	S	S	S	S	S	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **24 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzle	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
11	DV-LISTED457A 2.5	CPL-PAINT ROOM	N/A	S	N/A	155	170	N/A	N/A	N/A	S	S	S	S	S	S	
12	DV-LISTED457A 2.5	CPL-PAINT ROOM	N/A	S	N/A	150	165	N/A	N/A	N/A	S	S	S	S	S	S	
13	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone1
14	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone8
15	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone9

Remark : NO.13,14,15 Deluge valve close to mcl-2 process bldg.
Zone 1, 8 ,9

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **24 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
16	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone2
17	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	160	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone3
18	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone4
19	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone5
20	INBAL 799DG-04A01 4.0	MCL-2premelt	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone6

Remark :
**NO.16,17,18,19,20 Deluge valve close to mcl-2 process bldg.
Zone 2, 3, 4, 5, 6

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **24 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
21	INBAL 799DG-04A01 4.0	MCL-2entry	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone7
22	INBAL 799DG-04A01 4.0	MCL-2entry	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone14
23	INBAL 799DG-04A01 4.0	MCL-2entry	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone13
24	INBAL 799DG-04A01 4.0	MCL-2ingot	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone16
25	INBAL 799DG-04A01 4.0	MCL-2 worke shop	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone15

Remark :

**NO.21,22,23,24,25 Deluge valve close to mcl-2 process bldg.

Zone 7, 14, 13, 16, 15

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **24 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
26	INBAL 799DG-04A01 4.0	MCL-2 worke shop	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone12
27	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone11
28	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone10
29	AV-LISTED 467A 4.0	MCL-2genarator	S	N/A	S	135	165	N/A	N/A	S	S	S	S	S	N/A	N/A	
30	AV-LISTED 467A 2.5	MCL-1genarator	S	N/A	N/A	N/A	N/A	N/A	N/A	S	S	S	S	S	N/A	N/A	

Remark : NO.26,27,28 Deluge valve close to mcl-2 process bldg.
Zone 12, 11, 10

* Alarm valve no. 30 pressure gauge ชำรุด 2 ตัว
(Pressure gauge บนเข็มไม่ตรง , Pressure gauge ล่างเข็มหลุด)

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **24 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
31	AV-LISTED	MCL-1 fire pump room	S	N/A	S	150	175	N/A	N/A	S	S	S	S	S	N/A	N/A	
32	DV-LISTED	CRM-Mill housing	S	N/A	S	155	165	N/A	N/A	S	S	S	S	S	S	S	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM MILL MAIN MOTOR POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check selector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent quantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.52 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM,PIT#1 ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.41 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM,PIT#2 ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe the container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.60 vdc. (Use since 1/4/25)Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM,PIT#3 ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe the container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.28 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM-MILL HOUSING POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe the container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 27.40 vdc (Use since 30/4/24) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1 MAIN EER.CABEL CELLA ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.81 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1 MAIN EER.CABEL CELLA ROOM POTER TFC SERIES

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	cross zone detector discharge 30sec
2	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
3	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
4	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
5	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
6	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
7	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
8	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
9	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
10	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
11	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
12	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
13	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
14	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
15			MANUAL	N/A	N/A	to discharge
16			BELL	N/A	N/A	first alarm
17			HORN&STOBE	N/A	N/A	second alarm
18			Solenoid Valve	N/A	N/A	to discharge

S = Satisfactory US= Unsatisfactory N/A = Not Applicable

Remark : didn't perform function test on detector as it was production area

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STOR LOWER ROOM NOTIFIER RP-2002

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 27.28 vdc. (Use since 06/2023) Clean & check system control
control panel system normal
* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STOR LOWER ROOM POTER TFC SERIES

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CPL-LOWER ROOM	ZONE1	FLAME DETECTOR	N/A	N/A	cross zone detector discharge 30sec
2	CPL-LOWER ROOM	ZONE2	FLAME DETECTOR	N/A	N/A	
3	CPL-LOWER ROOM	ZONE1	FLAME DETECTOR	N/A	N/A	
4	CPL-LOWER ROOM	ZONE2	FLAME DETECTOR	N/A	N/A	
5			MANUAL 1	N/A	N/A	30 sec to discharge
6			MANUAL 2	N/A	N/A	30 sec to discharge
7			BELL	N/A	N/A	first alarm
8			HORN&STOBE	N/A	N/A	second alarm
9			Solenoid Valve	N/A	N/A	to discharge
10			MANUAL 3	N/A	N/A	30 sec to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Didn't perfrom function test on detector as it was production area

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STORE UPPER NOTIFIER RP-2002

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	S	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 27.40 vdc. (Use since 06/2023) Clean & check system control
control panel system normal
* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 24 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STORE UPPER POTER TFC SERIES

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CPL.PAINT STORE UPPER RM.	ZONE1	FLAME DETECTOR	N/A	N/A	cross zone detector discharge 30sec
2	CPL.PAINT STORE UPPER RM.	ZONE2	FLAME DETECTOR	N/A	N/A	
3	CPL.PAINT STORE UPPER RM.	ZONE1	FLAME DETECTOR	N/A	N/A	
4	CPL.PAINT STORE UPPER RM.	ZONE2	FLAME DETECTOR	N/A	N/A	
5	CPL.PAINT STORE UPPER RM.		MANUAL 1	N/A	N/A	30 sec to discharge
6	CPL.PAINT STORE UPPER RM.		BELL	N/A	N/A	first alarm
7	CPL.PAINT STORE UPPER RM.		HORN&STOBE	N/A	N/A	second alarm
8	CPL.PAINT STORE UPPER RM.		Solenoid Valve	N/A	N/A	to discharge
9			MANUAL 2	N/A	N/A	30 sec to discharge
10			MANUAL 3	N/A	N/A	30 sec to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Didn't perfrom function test on detector as it was production area

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST AUTOMATIC SPRINKLER & ALARM VALVE SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

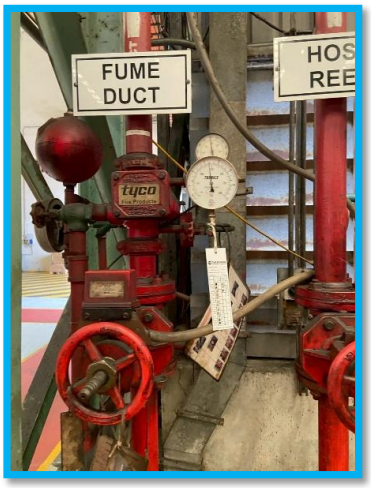


Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HYDRANT SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 24 April 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9	
		FIRE PUMP ROOM	*CPL-Pant Store)*	*CPL.BLDG*	*MCL-1*	*PKL-OP15*	*CHEMICAL STORE*	*CRM. Cooling fower*	*PKL-OP-18*	*PKL-OP-15*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: **no.5 and no.6 cancel this 2 points

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 24 April 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.10	NO.11	NO.12	NO.13	NO.14	NO.15	NO.16	NO.17	NO.18	
		Chemical Store	*STORE*	*PKL-OP05*	*CRM-OP/2*	*CANTEEN*	*MCL1-OP-53*	*CRM-OP-57*	*CRM-OP-61*	*ADMIN BLDG*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**US**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Fire hydrant no. 14 canteen ฝา cap แตกชำรุด 1 ea
* Test hydrant no. 18
* Test hydrant no. 10

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 24 April 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25	NO.26	NO.27	
		ADMIN BLDG	*MCL-2 OP-72*	*MCL-2 OP/74*	*mcl-2/op88*	*mcl-2/op89*	*mcl-2/hose 43*	*mcl-2/hose 44*	*mcl-2/hose 45*	*mcl-2/hose 46*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 24 April 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.28	NO.29	NO.30	NO.31	NO.32	NO.33	NO.34	NO.35	NO.36	
		mcl-2/hose 47	*mcl-2/hose 48*	*mcl-2/hose 49*	*mcl-2/hose 50*	*mcl-2/hose 51*	*mcl-2/hose 52*	*mcl-2/hose 53*	*mcl-2/hose 54*	*mcl-2/hose 55*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 24 April 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.37	NO.38								
		mcl-2/hose 56	*CRM*								
Flangs	- Corrosion	**N/A**	**N/A**								
	- Gasket	**N/A**	**N/A**								
	- Bolt&Nut	**N/A**	**N/A**								
Piping	- Corrosion	**S**	**S**								
	- Thread	**S**	**S**								
	- Leakage	**S**	**S**								
Valve	- Handle	**S**	**S**								
	- Leakage	**S**	**S**								
	- Stem Packing	**S**	**S**								
	- Corrosion	**S**	**S**								
Coupling	- Seal Condition	**S**	**S**								
	- Leakage	**S**	**S**								
	- Connector Locker	**S**	**S**								
	-Cap	**S**	**S**								

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HYDRANT SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE CABINET AND HOSE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE CABINET AND FIRE HOSE

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 24 April 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO,2	NO.3							
		STORE CHEMICAL	*STORE - Point*	*CRM*							
Cabinet	- Corrosion	**S**	**S**	**S**							
	- Door	**S**	**S**	**S**							
	- Key lock	**S**	**S**	**S**							
support	- Corrosion	**S**	**S**	**S**							
	Condition	**S**	**S**	**S**							
hose	Coupling	**S**	**S**	**S**							
	Connector Locker	**S**	**S**	**S**							
	Seal condition	**S**	**S**	**S**							
	Hydrostatic test 300 psi size 1.5"	**N/A**	**N/A**	**N/A**							
	Hydrostatic test 300 psi size 2.5"	**N/A**	**N/A**	**N/A**							
nozzel	- Leakage	**S**	**S**	**N/A**							
	- Condition	**S**	**S**	**N/A**							
	- Corrosion	**S**	**S**	**N/A**							

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: No. 1 สาย 1.5 จำนวน 2 เส้น หัวฉีด 1 หัว No. 2 สาย 1.5 จำนวน 2 เส้น หัวฉีด 1 หัว No. 3 สาย 1.5 จำนวน 2 เส้น ไม่มีหัวฉีด

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE CABINET AND HOSE SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel

Date : 24 April 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9	
		MCL-1CHEMICAL	*CPL-PAINT STORE*	*CPL-.DOOR OP/46*	*CPL-.DOOR OP/44*	*CPL-.DOOR G2/13*	*CPL-.DOOR OP/43*	*CPL-PACKING*	*CPL-PACKING*	*CPL-PACKING*	
Cabinet	- Corrosion	S	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	S	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	S	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	S	S	S	S	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzel	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Test hose reel no. 2 29/4/26

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 24 April 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.10	NO.11	NO.12	NO.13	NO.14	NO.15	NO.16	NO.17	NO.18	
		MCL-1 SFIP-4	*MCL-1 N/32*	*MCL-1 N/39*	*MCL1-N/43*	*MCL2-PULPIT Room*	*CRM-OP/28*	*CRM-OP/21*	*PKL-EER ROOM*	*PKL-OP/16*	
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzle	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Test hose reel no. 15 29/4/26

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel

Date : 24 April 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25	NO.26	NO.27	
		PAINT SERVISES	*STORE W/HOP/9*	*PKL- OP/7*	*PKL-OP/5*	*PKL-OP/4*	*PKL-AH/4*	*CRM-OP/2*	*CRM-AH/51*	*CRM-OP/65*	
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	US	US	US	US	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzel	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * No. 26 ข้อต่อ 90° สำหรับท่อ fire hose reel ขนาด 1" ถูกกัดกร่อนเป็นสนิม

* No. 23, 24, 25 ท่อสำหรับ fire hose reel ขนาด 1" ด้าน ball valve เกลี่ยวถูกกัดกร่อนเป็นสนิม

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 24 April 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.28	NO.29	NO.30	NO.31	NO.32	NO.33	NO.34	NO.35	NO.36	
		CRM-OP/64	*CRM-OP/62*	*CRM-OP/59*	*CRM-OP/57*	*MCL 1*	*MCL 1*	*MCL 1*	*MCL 1*	*MCL 1*	
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzel	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 24 April 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.37	NO.38	NO.39	NO.40	NO.41	NO.42	NO.43	NO.44	NO.45	
		SUPPORT BLDG	*SAFETY*	*SUPPORT BLDG*	*SAFETY*	*ADMIN BLDG*	*ADMIN BLDG*	*MCL-2 ingot*	*MCL-2 INGOT*	*MCL-2 EAST ZONE*	
Cabinet	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**N/A**	
	- Door	**S**	**S**	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**N/A**	
	- Key lock	**S**	**S**	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzel	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Test hose reel no. 41,42

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 24 April 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.46	NO.47	NO.48	NO.49	NO.50	NO.51	NO.52	NO.53	NO.54	
		MCL-2 EAST ZONE	*MCL2-CENTRAL*	*MCL2-CENTRAL*	*MCL-2 WEST ZONE*	*MCL-2 WEST ZONE*	*MCL-2 WEST ZONE*	*MCL2-CENTRAL*	*MCL2-CENTRAL*	*MCL2-MAIN EER*	
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzle	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel
Date : 24 April 2026
Site : Rayong

Description		Equipment No.								REMARKS
		NO.55	NO.56	NO.57	NO.58	NO.59	NO.60	NO.61		
		MCL-2 EAST ZONE	*MCL-2 EAST ZONE*	*CRM-EAST ZONE*	*MCL-1 Fl.3*	*MCL Fl.4*	*MCL Fl.5*	*CRM-CABLE CELLA*		
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**		
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**		
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**		
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Nozzel	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**		

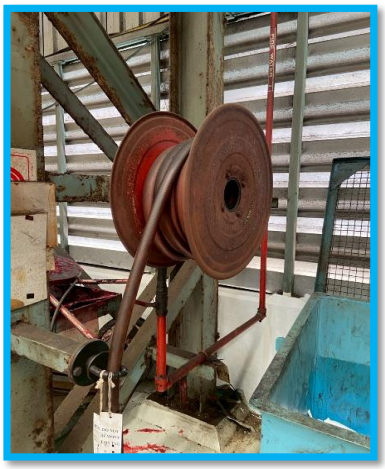
S = Satisfactory US = Unsatisfactory N/A = Not Applicable

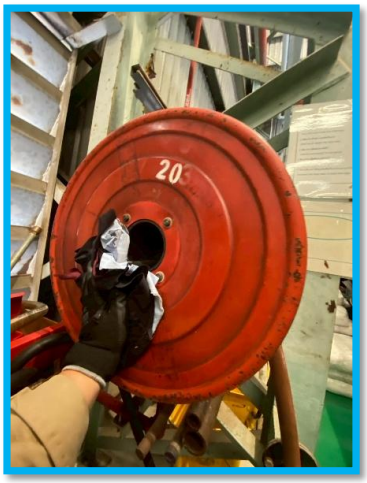
remark: * Test hose reel no. 41,42

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE REEL SYSTEM

		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE PUMP

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ENGINE FIRE PUMP SYSTEM NO.1

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

ENGINE BRAND	**CUMMINS**	MODEL	**4BT39**	SERIAL No.	**21246806**
RATING	**-**	SPEED	**2900**	RPM.	
PUMP BRAND	**KSB AJAX PUMP**	MODEL	**MEGA-2000**	SERIAL N	
FLOW RATE	**750 GPM**	SUCTION DIA.	**6"**	DISCHARGE DIA.	**6"**
DESIGN PRESSURE	**120**	SPEED		RPM.	
CONTROL PANEL BRAND	**POWER CONTROL**	MODEL	**PC 1000**	SERIAL No.	**325-102007**
ELECTRICAL SYSTEM	**220**	VOLTS.	**NEG**	GROUND	.....

MONTHLY PREVENTATIVE MAINTENANCE

ENGINE

ITEM	DESCRIPTION		
1	WATER TEMPERATURE		70 ^{0}C
2	WATER LEVEL		Normal
3	OIL LEVEL		Normal
4	OIL PRESSURE		75
5	VOLTS. (CHARGING ALTERNATOR)		26.8, 26.8
6	AMP.(CHARGING ALTERNATOR)		Normal
7	SPEED RUNNING		2780
8	HOUR RUNNING	ก่อน test 1723.7	1724.2
9	FUEL LEVEL	3 / 4 OR 80%	90%
10	BATTERY ELECTROLYTE		Normal
11	CHECKED FOR WATER LEAK		Normal
12	CHECKED FOR FUEL LEAK		Normal
13	CHECKED FOR OIL LEAK		Normal
14	CLEANED		Normal

PUMP

ITEM	DESCRIPTION		
1	VISUAL CHECKED		Normal
2	BEARING TEMPERATURE		51/53 ^{0}C
3	DISCHARGE PRESSURE		145
4	SUCTION PRESSURE		0 Psi
5	NOISE		Normal
6	COUPLING		Normal
7	CHECKED FOR WATER LEAK	#	Normal
8	CHECKED PIPE & CONNECTOR		Normal
9	CHECKED PACKING SEAL	#	Normal
10	CHECKED FOR LUBRICATE		Normal
11	CHECKED FOR CORROSION		Normal
12	CLEANED		Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	CLEANED	Normal
2	LAMP TESTED	Normal
3	CHECKED POWER SUPPLY	Normal
4	BATTERY CHARGER	Normal

CONTROL PANEL(CONTINUE)

ITEM	DESCRIPTION	
5	VOLTS. (CHARGER) BATT.1 / BATT.2	28.0,28.0
6	AMP.(CHARGER) BATT.1 / BATT.2	0.5/0.2
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	90 Psi

RECOMMENDATION

Check condition of pump and cleaning

Function test pump manual / auto

The function system working properly

* เปลี่ยน spare part (3/7/24)

Start using battery 3/7/24

Subin, Pattanasit, Somkid, Anuchit, Perakant

29-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ENGINE FIRE PUMP SYSTEM NO.2

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

ENGINE BRAND	**IVECO**	MODEL	**966819**	SERIAL No.	**8061SR1400D**
RATING	**-**	SPEED	**-**	RPM.	
PUMP BRAND	**IDEAL**	MODEL	**CPR 150-300 TAN**	SERIAL No.	**264183-05**
FLOW RATE	**1500 GPM**	SUCTION DIA.	**8"**	DISCHARGE DIA.	**8"**
DESIGN PRESSURE	**120**	SPEED	**-**	RPM.	
CONTROL PANEL BRAND	**Diesel Engine**	MODEL	**PC-1000**	SERIAL No.	**SIN519112021**
ELECTRICAL SYSTEM	**230**	VOLTS.	**NEG**	GROUND	.....

MONTHLY PREVENTATIVE MAINTENANCE

ENGINE

ITEM	DESCRIPTION		
1	WATER TEMPERATURE		74 ^{0}C
2	WATER LEVEL		Normal
3	OIL LEVEL		Normal
4	OIL PRESSURE		4.5 Bar
5	VOLTS. (CHARGING ALTERNATOR)		13.6, 13.6
6	AMP.(CHARGING ALTERNATOR)		Normal
7	SPEED RUNNING		2860
8	HOUR RUNNING	ก่อน test	112.3
9	FUEL LEVEL	3 / 4 OR 80%	90%
10	BATTERY ELECTROLYTE		Normal
11	CHECKED FOR WATER LEAK		Normal
12	CHECKED FOR FUEL LEAK		Normal
13	CHECKED FOR OIL LEAK		Normal
14	CLEANED		Normal

PUMP

ITEM	DESCRIPTION		
1	VISUAL CHECKED		Normal
2	BEARING TEMPERATURE		56/56 ^{0}C
3	DISCHARGE PRESSURE		150
4	SUCTION PRESSURE		N/A
5	NOISE		Normal
6	COUPLING		Normal
7	CHECKED FOR WATER LEAK	#	Normal
8	CHECKED PIPE & CONNECTOR		Normal
9	CHECKED PACKING SEAL	#	Normal
10	CHECKED FOR LUBRICATE		Normal
11	CHECKED FOR CORROSION		Normal
12	CLEANED		Normal
13			
14			

CONTROL PANEL

ITEM	DESCRIPTION	
1	CLEANED	Normal
2	LAMP TESTED	Normal
3	CHECKED POWER SUPPLY	Normal
4	BATTERY CHARGER	Normal

CONTROL PANEL(CONTINUE)

ITEM	DESCRIPTION	
5	VOLTS. (CHARGER) BATT.1 / BATT.2	13.2 , 13.1
6	AMP.(CHARGER) BATT.1 / BATT.2	0.5 , 0.5
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	75 Psi

RECOMMENDATION

* Function test pump manual / auto running time in 30 mins.
* เปลี่ยน spare part (31/7/24)
* Battery start using 25/12/24
* Air vent สำหรับ pump no. 2 เสื่อมสภาพ มีน้ำรั่วซึม

Subin, Pattanasit, Somkid, Anuchit, Perakant

29-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR FIRE PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	TECO ELECT & MACH	MODEL	EEB-UC002			SERIAL No.	C50132-1T
RATING		SPEED	2955			RPM.	
ELECTRICAL SYSTEM	380 VAC	VOLTS.	50	Hz.	150	AMP.	
PUMP BRAND	KSB PUMP	MODEL	B42670012P19820			SERIAL No.	9603128
FLOW RATE	HAED	SUCTION DIA.	6"			DISCHARGE DIA.	6"
DESIGN PRESSURE		SPEED				RPM.	
CONTROL PANEL BRAND	POWER CONTROL	MODEL	FC 3000			SERIAL No.	085-102007
ELECTRICAL SYSTEM	380 VAC	VOLTS.	NEG			GROUND	.....

MONTHLY PREVENTATIVE MAINTENANCE

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	32/34 °C
3	VOLTS	394, 393, 394
4	AMP.	134, 131, 131
5	SPEED RUNNING (RPM.)	2990 RPM
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	37/37 °C
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	100 Psi

RECOMMENDATION

Test auto run electric pump 10 Min

Cleaned to motor pump and check magnatic terminal

Subin, Pattanasit, Somkid, Anuchit, Perakant

29-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR JOCKEY PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	**GRUNFOS**	MODEL	**TMG.112MB2-MB2-28FT130 C'**			SERIAL No.	**85815313**
RATING	**5.5 HP**	SPEED		**2900**		RPM.	
ELECTRICAL SYSTEM	**380-415**	VOLTS.	**50**	Hz.	**8**	AMP.	
PUMP BRAND	**GRUNFOS**	MODEL	**B42670012 P19820**			SERIAL No.	**9603217**
FLOW RATE	9.5 M3/H	SUCTION DIA.		**1 1/2"**		DISCHARGE DIA.	**1 1/2"**
DESIGN PRESSURE	99.9 M	SPEED		**2900**		RPM.	
CONTROL PANEL BRAND	**POWER CONTROL**	MODEL		FC 3000		SERIAL No.	058-102008
ELECTRICAL SYSTEM	**380-415**	VOLTS.		**NEG**		GROUND	.....

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	40 ^{0}C
3	VOLTS	401, 400, 400
4	AMP	6.9, 6.6, 6.6
5	SPEED RUNNING (RPM.)	2690
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	N/A
3	DISCHARGE PRESSURE	150
4	SUCTION PRESSURE	N/A
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	115 Psi
	CUT OFF	150 Psi

RECOMMENDATION

Cleaned to motor pump and check magnatic terminal

Function tes pump Auto/Manual normal

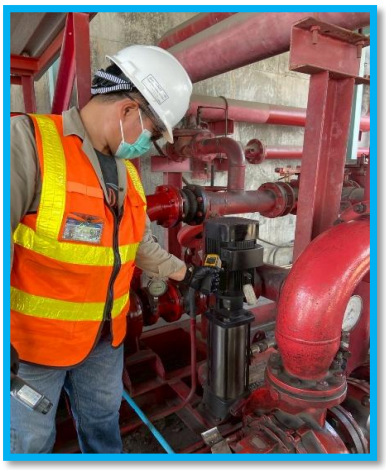
Subin, Pattanasit, Somkid, Anuchit, Perakant

29-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE PUMP SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
		
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

PORTABLE FIRE EXTINGUISHERS SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
1	1	Dry chemical / 10 lbs	Saturn	WARE HOUSE OP.11	S	S	S	N/A	S	195 PSI	Jan-23		3	
2	2	Dry chemical / 10 lbs	Saturn	WORK SHOP OP.12	S	S	S	N/A	S	195 PSI	Jan-23		3	
3	3	Dry chemical / 10 lbs	Impact	WORK SHOP OP.08	S	S	S	N/A	S	0 PSI	Aug-21		4	Pressure gauge ชำรุด
4	4	Dry chemical / 10 lbs	Impact	NEW STORE CHEMICAL	S	S	S	N/A	S	195 PSI	24/06/2023		1	
5	5	Dry chemical / 10 lbs	Saturn	CHEMICAL STORE	S	S	S	N/A	S	195 PSI	Jan-23		3	
6	6	Dry chemical / 10 lbs	Saturn	WWTP. 28	S	S	S	N/A	S	195 PSI	Jan-23		3	
7	7	Dry chemical / 10 lbs	Saturn	WWTP.TANK	S	S	S	N/A	S	195 PSI	Jan-23		3	
8	8	Dry chemical / 10 lbs	Saturn	WWTP.OFFIC(IN)	S	S	S	N/A	S	195 PSI	Jun-23		2	
9	9	Dry chemical / 10 lbs	Saturn	WWTP.OFFIC(OUT)	S	S	S	N/A	S	195 PSI	Jan-23		3	
10	10	Dry chemical / 10 lbs	Santo	WWTP.THAK 09	S	S	S	N/A	S	195 PSI	Dec-24		1	
11	11	Dry chemical / 10 lbs	Santo	ACM (OUT SIDE)	S	S	S	N/A	S	195 PSI	Dec-24		-	replace 1/2/25
12	12	Dry chemical / 10 lbs	Saturn	PKL 09	S	S	S	N/A	S	195 PSI	24/06/2023		1	
13	13	Dry chemical / 10 lbs	Impact	PKL. ENTRY PULPIT	S	S	S	N/A	S	195 PSI	24/06/2023		1	
14	14	Dry chemical / 10 lbs	Impact	PKL .OP/05	S	S	S	N/A	S	195 PSI	24/06/2023		1	
15	15	Dry chemical / 10 lbs	Impact	PKL.ACID TANK FARM A12	S	S	S	N/A	S	195 PSI	24/06/2023		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
16	16	Dry chemical / 10 lbs	Saturn	PKL.06/OP/O4	S	S	S	N/A	S	195 PSI	24/06/2023		2	
17	17	Dry chemical / 10 lbs	Saturn	PKL.04/EER ROOM	S	S	S	N/A	S	195 PSI	24/06/2023		2	
18	18	Dry chemical / 10 lbs	Saturn	PKL.EXIT DOOR	S	S	S	N/A	S	195 PSI	24/06/2023		2	
19	19	Dry chemical / 10 lbs	Saturn	PKL.05/OP.03	S	S	S	N/A	S	195 PSI	24/06/2023		2	
20	20	Dry chemical / 10 lbs	Saturn	CRM.OP/01	S	S	S	N/A	S	0 PSI	24/06/2023		2	Pressure gauge ชำรุด
21	21	Dry chemical / 10 lbs	Dab fire	CRM.RSO2 OP 66	S	S	S	N/A	S	195 PSI	24/06/2023		2	
22	22	Dry chemical / 10 lbs	Hatron	CRM.15	S	S	S	N/A	S	195 PSI	29/06/2023		2	
23	23	Dry chemical / 10 lbs	Saturn	CELA.UNDER GROUND	S	S	S	N/A	S	0 PSI	Nov-23		2	Low pressure
24	24	Dry chemical / 10 lbs	Saturn	CELA.UNDER GROUND	S	S	S	N/A	S	195 PSI	Nov-23		2	
25	25	Dry chemical / 10 lbs	Saturn	CELA.UNDER GROUND	S	S	S	N/A	S	195 PSI	Nov-23		2	
26	26	Dry chemical / 10 lbs	Anti fire	CELA.UNDER GROUND	S	S	S	N/A	S	195 PSI	Nov-23		2	
27	27	Dry chemical / 10 lbs	Dab fire	CRM.14	S	S	S	N/A	S	195 PSI	24/06/2023		2	
28	28	Dry chemical / 15 lbs	Impact	CRM.OP/20	S	S	S	N/A	S	195 PSI	Mar-21		4	
29	29	Dry chemical / 10 lbs	Saturn	CRM.MILINLOS	S	S	S	N/A	S	195 PSI	Dec-24		1	
30	30	Co2 / 10 lbs	Saturn	CRM.OP/21	S	S	S	N/A	S	13.5 Kg.	-		-	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurer eading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
31	31	Dry chemical / 50 lbs	Santo	CRM.OP/26	S	S	S	N/A	S	195 PSI	-		-	ถังเก่า
32	32	Dry chemical / 10 lbs	Saturn	CRM.OP/29	S	S	S	N/A	S	195 PSI	24/06/2023		2	
33	33	Dry chemical / 10 lbs	Saturn	CRM.13 DELIVERY	S	S	S	N/A	S	195 PSI	Jun-23		2	
34	34	Dry chemical / 10 lbs	Saturn	CRM.OFFIC EXIT	S	S	S	N/A	S	195 PSI	24/06/2023		2	
35	35	Dry chemical / 10 lbs	Saturn	CRM. 04 V.48	S	S	S	N/A	S	195 PSI	24/06/2023		2	
36	36	Dry chemical / 10 lbs	Saturn	CRM.OP/64	S	S	S	N/A	S	195 PSI	Sep-23		2	
37	37	Dry chemical / 10 lbs	Saturn	CRM.OP/63	S	S	S	N/A	S	195 PSI	Sep-23		2	
38	38	Dry chemical / 10 lbs	Saturn	OPERATION BLDG.	S	S	S	N/A	S	195 PSI	Sep-23		2	แก้ไขแล้ว
39	39	Dry chemical / 10 lbs	Saturn	OPERATION BLDG.	S	S	S	N/A	S	195 PSI	Sep-23		2	
40	40	Dry chemical / 10 lbs	Saturn	OPERATION BLDG.	S	S	S	N/A	S	195 PSI	Sep-23		2	
41	41	Dry chemical / 10 lbs	Saturn	OPERATION BLDG.	S	S	S	N/A	S	195 PSI	Sep-23		2	
42	42	Dry chemical / 10 lbs	Saturn	CANTEEN	S	S	S	N/A	S	195 PSI	Sep-23		2	เอาไป spare
43	43	Dry chemical / 10 lbs	Hatron	SUPPORT.TOILET	S	S	S	N/A	S	195 PSI	Sep-23		2	Low pressure
44	44	Dry chemical / 10 lbs	Saturn	SUPPORT.FIRST AID	S	S	S	N/A	S	195 PSI	Sep-23		2	Low pressure
45	45	Dry chemical / 10 lbs	Topaz	SUPPORT.(CANTEEN)	S	S	S	N/A	S	195 PSI	Sep-23		2	Low pressure

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurer eading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
46	46	Dry chemical / 10 lbs	Saturn	OPERRATION	S	S	S	N/A	S	195 PSI	Sep-23		2	
47	47	Dry chemical / 10 lbs	Impact	SUPPORT.EXIT	S	S	S	N/A	S	195 PSI	Sep-23		2	
48	48	Dry chemical / 10 lbs	Saturn	FD & ONSD ROOM	S	S	S	N/A	S	195 PSI	Sep-23		-	replace 4/3/25
49	49	Dry chemical / 10 lbs	Santo	LOCKER.ROOM	S	S	S	N/A	S	195 PSI	Dec-24		-	replace 4/3/25
50	50	Dry chemical / 10 lbs	Santo	LOCKER.ROOM	S	S	S	N/A	S	195 PSI	Dec-24		-	replace 4/3/25
51	51	Dry chemical / 10 lbs	Santo	MEETING.ROOM safety	S	S	S	N/A	S	195 PSI	Dec-24		-	replace 4/3/25
52	52	Dry chemical / 10 lbs	Impact	ADMIN MEETING	S	S	S	N/A	S	195 PSI	Dec-24		1	
53	53	Dry chemical / 10 lbs	Sunco	ADMIN.BLDG. (operator)	S	S	S	N/A	S	195 PSI	Dec-24		1	
54	54	Dry chemical / 10 lbs	Nippon	ADMIN.BLDG. (operator)	S	S	S	N/A	S	195 PSI	Dec-24		1	
55	55	Dry chemical / 10 lbs	Impact	ADMIN.BLDG. FINANCE exit	S	S	S	N/A	S	195 PSI	Dec-24		1	
56	56	Dry chemical / 10 lbs	Nippon	ADMIN.CANTEEN	S	S	S	N/A	S	195 PSI	Dec-24		1	
57	57	Dry chemical / 10 lbs	Impact	ADMIN.EXIT DOOR	S	S	S	N/A	S	195 PSI	Dec-24		1	
58	58	Dry chemical / 10 lbs	Sunto	ADMIN.EXIT (OUTDOOR)	S	S	S	N/A	S	195 PSI	Dec-24		1	
59	59	Dry chemical / 10 lbs	Nippon	ADMIN.BLDG. (OUTDOOR)	S	S	S	N/A	S	195 PSI	Jul-18		7	
60	60	Dry chemical / 10 lbs	Impact	ADMIN.BLDG. EXIT.HR	S	S	S	N/A	S	195 PSI	31/8/2554		14	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurer eading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
61	61	Dry chemical / 10 lbs	Impact	Safety Meeting room	S	S	S	N/A	S	195 PSI	31/08/2554		14	
62	62	Dry chemical / 10 lbs	Impact	OP-61 CRM	S	S	S	N/A	S	195 PSI	Sep-23		2	
63	63	Dry chemical / 10 lbs	Dab fire	OP-60 CRM	S	S	S	N/A	S	195 PSI	Sep-23		2	
64	64	Dry chemical / 10 lbs	Dab fire	OP-57 CRM	S	S	S	N/A	S	195 PSI	Mar-24		1	
65	65	Dry chemical / 10 lbs	Dab fire	MCL-1 crm-13	S	S	S	N/A	S	195 PSI	Mar-24		1	
66	66	Dry chemical / 10 lbs	Nippon	MCL-1 K-46	S	S	S	N/A	S	195 PSI	Mar-24		1	
67	67	Dry chemical / 10 lbs	Impact	MCL-1 OP/53	S	S	S	N/A	S	195 PSI	Mar-24		1	
68	68	Dry chemical / 10 lbs	Saturn	MCL-1 OP/54	S	S	S	N/A	S	195 PSI	2552		16	ควรเปลี่ยน
69	69	Dry chemical / 10 lbs	Saturn	MCL-1 OP/54	S	S	S	N/A	S	195 PSI	May-24		1	
70	70	Dry chemical / 10 lbs	Tyco	MCL-1 WROKE SHOP OP 53	S	S	S	N/A	S	195 PSI	04/09/2552		16	ควรเปลี่ยน
71	71	Dry chemical / 10 lbs	Saturn	MCL-1 CONTROL ROOM	S	S	S	N/A	S	195 PSI	May-24		1	
72	72	Dry chemical / 10 lbs	Saturn	MCL-1 K-33	S	S	S	N/A	S	195 PSI	May-24		1	
73	73	Dry chemical / 10 lbs	Saturn	MCL-1 OP/49	S	S	S	N/A	S	195 PSI	May-24		1	
74	74	Dry chemical / 10 lbs	Dab fire	MCL-1 GEN ROOM	S	S	S	N/A	S	195 PSI	May-24		1	
75	75	Dry chemical / 10 lbs	Saturn	MCL-1 SERVER ROOM	S	S	S	N/A	S	195 PSI	May-24		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurer eading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
76	76	Dry chemical / 10 lbs	Nippon	MCL-1 OP/48 LAB ROOM	S	S	S	N/A	S	195 PSI	4/11/2023		2	
77	77	Dry chemical / 10 lbs	Impact	MCL-1 CPL-29 LAB ROOM	S	S	S	N/A	S	195 PSI	4/11/2023		2	
78	78	Dry chemical / 10 lbs	Santo	CPL- K2/25	S	S	S	N/A	S	195 PSI	4/11/2023		2	
79	79	Dry chemical / 10 lbs	Dab fire	CPL- OP/ MCL 46	S	S	S	N/A	S	195 PSI	4/11/2023		2	
80	80	Dry chemical / 10 lbs	Santo	CPL-1 LINE PACKING K2-02	S	S	S	N/A	S	195 PSI	4/11/2023		2	
81	81	Dry chemical / 10 lbs	Impact	CPL-1 LINE PACKING K2-13	S	S	S	N/A	S	195 PSI	4/11/2023		2	
82	82	Dry chemical / 10 lbs	Dab fire	CPL-1 LINE PACKING K2-08	S	S	S	N/A	S	195 PSI	4/11/2023		2	
83	83	Dry chemical / 10 lbs	Impact	CPL-1 OP/44	S	S	S	N/A	S	195 PSI	4/11/2023		2	
84	84	Dry chemical / 10 lbs	Impact	CPL-1 CPL OVCN UPPER	S	S	S	N/A	S	195 PSI	4/11/2023		2	
85	85	Dry chemical / 10 lbs	Dab fire	CPL-1 OP/43	S	S	S	N/A	S	195 PSI	4/11/2023		2	
86	86	Dry chemical / 10 lbs	Dab fire	CPL-1 CPL/04	S	S	S	N/A	S	195 PSI	4/11/2023		2	
87	87	Dry chemical / 10 lbs	Dab fire	CPL-1 LINE PACKING	N/A	N/A	N/A	N/A	N/A	195 PSI	4/11/2023		2	
88	88	Dry chemical / 10 lbs	Saturn	CPL-1 LINE PACKING	S	S	S	N/A	S	195 PSI	4/11/2023		2	
89	89	Dry chemical / 10 lbs	Dab fire	CPL-1 LINEPACKING	S	S	S	N/A	S	195 PSI	4/11/2023		2	
90	90	Dry chemical / 10 lbs	Impact	MCL-1	S	S	S	N/A	S	195 PSI	24/04/2564		4	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
91	91	Dry chemical / 10 lbs	Saturn	MCL-1 ZAL	S	S	S	N/A	S	195 PSI	May-24		1	
92	92	Dry chemical / 10 lbs	Impact	MCL-1 ZAL N-38	S	S	S	N/A	S	195 PSI	May-24		1	
93	93	Dry chemical / 10 lbs	Nippon	MCL-1 ZAL	S	S	S	N/A	S	195 PSI	Mar-24		1	
94	94	Dry chemical / 10 lbs	Saturn	MCL-1 N-45	S	S	S	N/A	S	195 PSI	May-24		1	
95	95	Co2 / 10 lbs	Impact	MCL-1 CONTROL ROOM entry	S	S	S	N/A	N/A	14.45 Kg.	Mar-24		1	
96	96	Dry chemical / 10 lbs	Dab fire	MCL-1 CONTROL ROOM entry	S	S	S	N/A	S	195 PSI	Mar-24		1	
97	97	Dry chemical / 10 lbs	Saturn	MCL 1 PPC REQUIRED	S	S	S	N/A	S	195 PSI	May-24		1	
98	98	Dry chemical / 10 lbs	Saturn	MCL 1 PORT F# 1R	S	S	S	N/A	S	195 PSI	May-24		1	
99	99	Dry chemical / 10 lbs	Saturn	MCL 1 PORT F# 1R	S	S	S	N/A	S	195 PSI	May-24		1	
100	100	Dry chemical / 10 lbs	Saturn	MCL 1 PORT F# 2R	S	S	S	N/A	S	195 PSI	May-24		1	
101	101	Dry chemical / 10 lbs	Saturn	MCL 1 PORT F# 3R	S	S	S	N/A	S	195 PSI	May-24		1	
102	102	Dry chemical / 10 lbs	Saturn	MCL 1 ACCOMMULATOR F#3	S	S	S	N/A	S	195 PSI	May-24		1	
103	103	Dry chemical / 10 lbs	Saturn	MCL 1 PORT F# 4R	S	S	S	N/A	S	195 PSI	May-24		1	
104	104	Dry chemical / 10 lbs	Nippon	MCL 1 PORT F# 5R	S	S	S	N/A	S	195 PSI	May-24		1	ไม่มีป้ายสัญญาลักษณ์
105	105	Dry chemical / 10 lbs	Alaert	MCL 1 PORT F# 6R	S	S	S	N/A	S	195 PSI	May-24		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
106	106	Co2 / 10 lbs	Impact	MCL 1 COATER F#1	S	S	S	N/A	N/A	12.9 Kg.	Aug-11		14	
107	107	Dry chemical / 10 lbs	Impact	MCL 1 COATER F#1	S	S	S	N/A	S	195 PSI	May-24		1	
108	108	Dry chemical / 10 lbs	Impact	MCL 1 COATER F#1 M1	S	S	S	N/A	S	195 PSI	May-24		1	
109	109	Dry chemical / 10 lbs	Dab fire	MCL 1 COATER F#2 M1	S	S	S	N/A	S	195 PSI	May-24		1	
110	110	Dry chemical / 10 lbs	Nippon	MCL 1 COATER F#2	S	S	S	N/A	S	195 PSI	May-24		1	
111	111	Dry chemical / 10 lbs	Nippon	MCL 1 COATER F#3	S	S	S	N/A	S	195 PSI	May-24		1	
112	112	Dry chemical / 10 lbs	Tyco	MCL 1 COATER F#3 M1	S	S	S	N/A	S	195 PSI	May-24		1	
113	113	Dry chemical / 10 lbs	Impact	MCL 1 COATER F#4 M1	S	S	S	N/A	S	195 PSI	May-24		1	
114	114	Dry chemical / 10 lbs	Impact	MCL 1 COATER F#4	S	S	S	N/A	S	195 PSI	-		-	
115	115	Dry chemical / 10 lbs	Impact	MCL 1 COATER F#5	S	S	S	N/A	S	195 PSI	31/08/2554		14	
116	116	Dry chemical / 10 lbs	Impact	MCL 1 COATER F#6 M1	S	S	S	N/A	S	195 PSI	10/08/2552		16	
117	117	Dry chemical / 10 lbs	Nippon	CPL 1 OVEN (UPPER)	S	S	S	N/A	S	195 PSI	4/11/2023		2	
118	118	Dry chemical / 10 lbs	Nippon	CPL 1 COATER 2	S	S	S	N/A	S	195 PSI	4/11/2023		2	
119	119	Dry chemical / 10 lbs	Dab fire	CPL 1 OVEN (CPL)	S	S	S	N/A	S	195 PSI	4/11/2023		2	
120	120	Dry chemical / 10 lbs	Impact	CPL 1 COATOR 1 (CPL)	S	S	S	N/A	S	195 PSI	4/11/2023		2	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
121	121	Dry chemical / 10 lbs	Dab fire	PAINT STORE CHEMICAL	S	S	S	N/A	S	195 PSI	Jun-24		1	
122	122	Dry chemical / 10 lbs	Dab fire	MCL-2 MEETING ROOM	S	S	S	N/A	S	195 PSI	Jan-22		4	
123	123	Dry chemical / 10 lbs	Dab fire	MCL-2	S	S	S	N/A	S	195 PSI	03/05/2561		7	
124	124	Dry chemical / 10 lbs	Dab fire	MCL-2 P/32	S	S	S	N/A	S	195 PSI	Jun-19		6	
125	126	Dry chemical / 10 lbs	Nippon	MCL-2 LAB ROOM	S	S	S	N/A	S	195 PSI	4/11/2023		2	
126	127	Dry chemical / 10 lbs	saturn	MCL-2 EXIT PULPIT	S	S	S	N/A	S	195 PSI	Jan-23		2	
127	128	Dry chemical / 10 lbs	Impact	MCL-2 LINE PAKING	S	S	S	N/A	S	195 PSI	4/11/2023		2	
128	129	Dry chemical / 10 lbs	saturn	MCL-2 LINE PAKING	S	S	S	N/A	S	195 PSI	Jan-23		2	
129	130	Dry chemical / 10 lbs	Impact	MCL-2 LINE PAKING	S	S	S	N/A	S	195 PSI	4/11/2023		2	
130	131	Dry chemical / 10 lbs	Nippon	MCL-2 LINE PAKING	S	S	S	N/A	S	195 PSI	4/11/2023		2	
131	132	Dry chemical / 10 lbs	Impact	MCL-2 LINE PAKING	S	S	S	N/A	S	195 PSI	Sep-24		1	
132	133	Dry chemical / 10 lbs	Impact	MCL-2 OP/86	S	S	S	N/A	S	195 PSI	08/03/2554		14	
133	134	Dry chemical / 10 lbs	Satvre	MCL-2 T1/23	S	S	S	N/A	S	195 PSI	08/03/2554		14	
134	135	Dry chemical / 10 lbs	Impact	CRL-Fire Pump Room	S	S	S	N/A	S	195 PSI	Jul-18		7	
135	136	Dry chemical / 10 lbs	Guardian	Gamline Bldg.	S	S	S	N/A	S	195 PSI	-		-	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
136	137	Dry chemical / 10 lbs	Guardian	Gamline Bldg.	S	S	S	N/A	S	195 PSI	N/A		-	
137	138	Dry chemical / 10 lbs	Guardian	Gamline Bldg.	S	S	S	N/A	S	195 PSI	N/A		-	
138	139	Dry chemical / 10 lbs	Guardian	Gamline Bldg.	S	S	S	N/A	S	195 PSI	N/A		-	
139	140	Co2 / 10 lbs	Impact	MCL-2 OP/79	S	S	S	N/A	N/A	13.3 Kg	-		-	
140	141	Dry chemical / 10 lbs	Pressurized system	MCL-2 OP/81	S	S	S	N/A	S	195 PSI	06/11/2550		18	ถังเป็นสนิม
141	142	Dry chemical / 10 lbs	Saturn	MCL-2 OP/80	S	S	S	N/A	S	195 PSI	Jun-23		2	
142	143	Dry chemical / 10 lbs	SK Fire	MCL-2 OP/78	S	S	S	N/A	S	195 PSI	24/04/2563		6	
143	145	Dry chemical / 10 lbs	Impact	MCL-2 OP/75	S	S	S	N/A	S	195 PSI	05/2554		14	
144	146	Dry chemical / 10 lbs	SK Fire	MCL-2 PRE MELT ROOM	S	S	S	N/A	S	195 PSI	2013		12	
145	147	Dry chemical / 10 lbs	Dab fire	MCL-2 T1/37.1	S	S	S	N/A	S	195 PSI	10/03/2552		16	
146	148	Dry chemical / 10 lbs	Guardian	Gamling Bldg.	S	S	S	N/A	S	195 PSI	-		-	
147	149	Dry chemical / 10 lbs	Guardian	Gamling Bldg.	S	S	S	N/A	S	195 PSI	-		-	
148	150	Dry chemical / 10 lbs	Dab fire	MCL-2 T1A/49A	S	S	S	N/A	S	195 PSI	-		-	
149	151	Dry chemical / 10 lbs	Impact	MCL-2 XFHV-5	S	S	S	N/A	S	195 PSI	Jun-23		2	
150	152	Dry chemical / 10 lbs	Impact	MCL-2 EXHV/4	S	S	S	N/A	S	195 PSI	Jun-23		2	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
151	153	Dry chemical / 10 lbs	Impact	MCL-2 EXHV/1	S	S	S	N/A	S	195 PSI	Jun-23		2	
152	154	Dry chemical / 10 lbs	Impact	MCL-2 GENCRATOR	S	S	S	N/A	S	195 PSI	Jun-23		2	
153	155	Dry chemical / 10 lbs	Impact	MCL-2 GENCRATOR	S	S	S	N/A	S	195 PSI	Jun-23		2	
154	156	Dry chemical / 10 lbs	Impact	MCL-2 FURCER/1	S	S	S	N/A	S	195 PSI	Aug-11		14	
155	157	Dry chemical / 10 lbs	Impact	MCL-2 FURCER/2	S	S	S	N/A	S	195 PSI	2020		5	
156	158	Dry chemical / 10 lbs	Impact	MCL-2 FURCER/3	S	S	S	N/A	S	195 PSI	03/06/2561		7	
157	159	Dry chemical / 10 lbs	Impact	MCL-2 FURCER/4	S	S	S	N/A	S	195 PSI	03/06/2561		7	
158	160	Dry chemical / 10 lbs	Impact	MCL-2 FURCER/5	S	S	S	N/A	S	195 PSI	2005		20	
159	161	Dry chemical / 10 lbs	Impact	MCL-2 FURCER/6	S	S	S	N/A	S	195 PSI	Oct-61		7	
160	162	Dry chemical / 10 lbs	Impact	MCL-2 FURCER/7	S	S	S	N/A	S	195 PSI	Aug-11		14	
161	163	Dry chemical / 10 lbs	DF Fire	MCL-2 COATTER F/3	S	S	S	N/A	S	195 PSI	13/06/2558		10	
162	164	Dry chemical / 10 lbs	Impact	MCL-2 COATTER F/3/2	S	S	S	N/A	S	195 PSI	2005		20	
163	165	Dry chemical / 10 lbs	Impact	MCL-2 COATTER F/4	S	S	S	N/A	S	195 PSI	2005		20	
164	166	Dry chemical / 10 lbs	Impact	MCL-2 WET ROLLING	S	S	S	N/A	S	195 PSI	Jul-54		14	
165	167	Dry chemical / 10 lbs	Guardian	Gamling Bldg.	S	S	S	N/A	S	195 PSI	Jul-54		14	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
166	168	Dry chemical / 10 lbs	Guardian	Gamling Bldg.	S	S	S	N/A	S	195 PSI	Jul-54		14	
167	169	Dry chemical / 10 lbs	Guardian	Gamling Bldg.	S	S	S	N/A	S	195 PSI	Jul-54		14	
168	170	Dry chemical / 10 lbs	Guardian	Gamling Bldg.	S	S	S	N/A	S	195 PSI	Jul-54		14	
169	171	Dry chemical / 10 lbs	Total fire	MCL GEN	S	S	S	N/A	S	195 PSI	Jul-18		7	
170	172	Dry chemical / 10 lbs	Impact	MCL-2 Under Ground Fl.	S	S	S	N/A	S	195 PSI	-		-	
171	173	Dry chemical / 10 lbs	Impact	MCL-2 ทางเข้าห้องไฟฟ้าใต้ดิน	S	S	S	N/A	S	195 PSI	-		-	
172	174	Dry chemical / 10 lbs	Dab fire	TULNEL UPPER MCL-1	S	S	S	N/A	S	195 PSI	-		-	
173	175	Dry chemical / 10 lbs	-	TULNEL UPPER MCL-1	S	S	S	N/A	S	195 PSI	-		-	
174	176	Dry chemical / 10 lbs	-	TULNEL UPPER MCL-1	S	S	S	N/A	S	195 PSI	-		-	
175	177	Dry chemical / 10 lbs	-	TULNEL UPPER MCL-1	S	S	S	N/A	S	195 PSI	-		-	
176	178	Dry chemical / 10 lbs	Dab fire	GASS STATION	S	S	S	N/A	S	195 PSI	Sep-21		4	
177	179	Dry chemical / 10 lbs	Winston	GASS STATION	N/A	N/A	N/A	N/A	N/A	195 PSI	-		-	ไม่มีอุปกรณ์
178	180	Dry chemical / 10 lbs	Nippon	GATE #1	S	S	S	N/A	S	195 PSI	Oct-21		4	
179	181	Dry chemical / 10 lbs	Hatron	GATE #1	S	S	S	N/A	S	195 PSI	Oct-21		4	
180	182	Dry chemical / 10 lbs	Nippon	GATE #2	S	S	S	N/A	S	195 PSI	Dec-24		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
181	183	Dry chemical / 10 lbs	Nippon	GATE #3	S	S	S	N/A	S	195 PSI	Dec-24		1	
182	184	Dry chemical / 10 lbs	Pyrene	SUB STATION 115 KV.	S	S	S	N/A	S	195 PSI	-		-	
183	185	Dry chemical / 10 lbs	Pyrene	SUB STATION 115 KV.	S	S	S	N/A	S	195 PSI	-		-	
184	187	Dry chemical / 10 lbs	Saturn	MAINTENANCE OFFIC ROOM	S	S	S	N/A	S	195 PSI	Jun-24		1	
185	188	Dry chemical / 10 lbs	Dab fire	MCL-1 TRANFORMER BOWER R	S	S	S	N/A	S	195 PSI	-		-	
186	189	Dry chemical / 10 lbs	Dab fire	MCL-1 PUMP COOLING TOWER	S	S	S	N/A	S	195 PSI	Jun-24	Jun-24	1	
187	190	Dry chemical / 10 lbs	Dab fire	MCL-1 PUMP COOLING TOWER	S	S	S	N/A	S	195 PSI	Jun-24	Jun-24	1	
188	191	Dry chemical / 10 lbs	Dab fire	WATER TANK	S	S	S	N/A	S	195 PSI	Jun-24		1	
189	192	Dry chemical / 10 lbs	Impact	DISP OFFIC	S	S	S	N/A	S	195 PSI	Mar-21		4	
190	193	Dry chemical / 10 lbs	Impact	TRANFORMER CPL XFHV-05	S	S	S	N/A	S	195 PSI	Jun-24		1	
191	194	Dry chemical / 10 lbs	Dab fire	HAZAR DOUS WASTE STORE	S	S	S	N/A	S	195 PSI	Jun-24		1	
192	196	Dry chemical / 10 lbs	Saturn	CRM-MINILOS	S	S	S	N/A	S	195 PSI	24/06/2023		2	
193	197	Dry chemical / 10 lbs	Dab fire	ACM-XFHV-25 (OUT SIZE)	S	S	S	N/A	S	195 PSI	31/5/2011		14	
194	198	Dry chemical / 10 lbs	Dab fire	PKL-XFHV-14 (OUT SIZE)	S	S	S	N/A	S	195 PSI	Jun-24		1	
195	199	Dry chemical / 10 lbs	Dab fire	PKL-XFHV-15 (OUT SIZE)	S	S	S	N/A	S	195 PSI	Jun-24		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
196	200	Dry chemical / 10 lbs	Dab fire	CRM-XFHV-16 (OUT SIZE)	S	S	S	N/A	S	195 PSI	Jun-24		1	
197	201	Dry chemical / 10 lbs	Dab fire	CRM-XFHV-17 (OUT SIZE)	S	S	S	N/A	S	195 PSI	Jun-24		1	
198	202	Dry chemical / 10 lbs	Nippon	MCL-1 PORT F#7	S	S	S	N/A	S	195 PSI	01/12/2550		18	
199	203	Dry chemical / 10 lbs	Impact	MCL-1 ACCEMMUTTOR F#1	S	S	S	N/A	S	195 PSI	2021		4	
200	204	Dry chemical / 10 lbs	Santo	MCL-1 ACCEMMUTTOR F#2	S	S	S	N/A	S	195 PSI	-		-	
201	205	Dry chemical / 10 lbs	Impact	MCL-2 COOLING TOWER	S	S	S	N/A	S	195 PSI	Aug-20		5	
202	206	Dry chemical / 10 lbs	Impact	MCL-2 RECIRULATN	S	S	S	N/A	S	195 PSI	-		-	
203	207	Dry chemical / 10 lbs	Dab fire	MCL-2 XFHV-7	S	S	S	N/A	S	195 PSI	01/10/2550		18	อยู่ไม่ตรงจุด
204	208	Dry chemical / 10 lbs	Dab fire	MCL-2 XFHV-8	S	S	S	N/A	S	195 PSI	04/09/2552		16	อยู่ไม่ตรงจุด
205	209	Dry chemical / 10 lbs	-	MCL-2 GEN	S	S	S	N/A	S	195 PSI	-		-	
206	210	Dry chemical / 10 lbs	-	MCL-1 COATTER F#3	S	S	S	N/A	S	195 PSI	Jun-24		1	
207	211	Dry chemical / 10 lbs	Maximum	MCL-1 COATTER F#5	S	S	S	N/A	S	195 PSI	Jul-19		6	
208	212	Dry chemical / 10 lbs	Maximum	MCL-1 COATTER F#5	S	S	S	N/A	S	195 PSI	Jul-19		6	
209	213	Dry chemical / 10 lbs	Maximum	MCL-1 COATTER F#5	S	S	S	N/A	S	195 PSI	Jul-19		6	
210	214	Dry chemical / 10 lbs	Impact	MCL-1 COATTER F#5	S	S	S	N/A	S	195 PSI	Jul-19		6	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
211	215	Dry chemical / 10 lbs	Impact	MCL-1 COATTER F#5	S	S	S	N/A	S	195 PSI	Jul-19		6	
212	216	Dry chemical / 10 lbs	Maximum	MCL-1 COATTER F#5	S	S	S	N/A	S	195 PSI	-		-	
213	217	Dry chemical / 10 lbs	Dab fire	CRM-RS01 OP 65	S	S	S	N/A	S	195 PSI	24/06/2023		2	
214	218	Dry chemical / 10 lbs	Saturn	MCL OP53	S	S	S	N/A	S	195 PSI	May-24		1	
215	219	Dry chemical / 10 lbs	Impact	MCL OP53	S	S	S	N/A	S	195 PSI	May-24		1	
216	220	Dry chemical / 10 lbs	-	MCL2 OP 79	S	S	S	N/A	S	195 PSI	-		-	
217	221	Dry chemical / 10 lbs	Saturn	CPL OP 49	S	S	S	N/A	S	195 PSI	Mar-24		2	
218	222	Dry chemical / 10 lbs	-	BLUE SCOPE TRAING CENTER	S	S	S	N/A	S	195 PSI	-		-	
219	223	Dry chemical / 10 lbs	-	BLUE SCOPE TRAING CENTER	S	S	S	N/A	S	195 PSI	-		-	
220	224	Dry chemical / 10 lbs	-	BLUE SCOPE TRAING CENTER	S	S	S	N/A	S	195 PSI	01/06/57		11	
221	225	Dry chemical / 10 lbs	-	Gamling Bldg.	S	S	S	N/A	S	195 PSI	-		-	
222	226	Dry chemical / 10 lbs	Guardian	Gamling	S	S	S	N/A	S	195 PSI	-		-	
223	227	Dry chemical / 10 lbs	Saturn	WWTP.28	S	S	S	N/A	S	195 PSI	Jan-23		2	
224	228	Dry chemical / 10 lbs	Dab fire	MCL-1 OP 55	S	S	S	N/A	S	195 PSI	31/9/2554		13	ควรเปลี่ยน
225	229	Dry chemical / 10 lbs	Saturn	Workshop OP 8	S	S	S	N/A	S	195 PSI	Jan-23		2	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
226	230	Dry chemical / 10 lbs	Saturn	Workshop OP 8	S	S	S	N/A	S	195 PSI	Jan-23		2	
227	231	Dry chemical / 10 lbs	Saturn	MCL-1 ZAL	S	S	S	N/A	S	195 PSI	May-24		1	
228	232	Dry chemical / 10 lbs	Impact	Canteen	S	S	S	N/A	S	195 PSI	24/06/2023		2	
229	233	Dry chemical / 10 lbs	Impact	MCL-2 FL3	S	S	S	N/A	S	195 PSI	-		-	
230	234	Dry chemical / 10 lbs	Saturn	Support	S	S	S	N/A	S	195 PSI	Sep-23		2	
231	235	Dry chemical / 10 lbs	Impact	MCL - 2 Fl. 4	S	S	S	N/A	S	195 PSI	16/02/2559		9	
232	236	Dry chemical / 10 lbs	Impact	MCL - 2 Fl. 5	S	S	S	S	S	195 PSI	Dec-24		1	
233	237	Foam	-	CPL Store Chemical	S	S	S	N/A	S	100 PSI	-		-	Pressure gauge แตก ชำรุด
234	238	Dry chemical / 10 lbs	Saturn	PKL OP/15	S	S	S	N/A	S	195 PSI	24/06/2023		2	
235	239	Dry chemical / 10 lbs	Impact	PKL OP/07 Workshop	S	S	S	N/A	S	195 PSI	17/7/2019		6	
236	240	Dry chemical / 10 lbs	Impact	Storege Warehouse	S	S	S	N/A	S	195 PSI	12/12/2023		2	
237	241	Dry chemical / 10 lbs	Dab fire	Server Room ในห้อง	S	S	S	N/A	S	195 PSI	-		-	
238	242	Dry chemical / 10 lbs	-	MCL 2 Diesel Tank	S	S	S	N/A	S	195 PSI	Sep-23		2	
239	243	Dry chemical / 10 lbs		Gas Station	S	S	S	N/A	S	195 PSI	Sep-23		2	
240	244	Dry chemical / 10 lbs	Saturn	MCL 1 Diesel Tank	S	S	S	N/A	S	195 PSI	May-24		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
241	245	Dry chemical / 10 lbs	Saturn	CPL Fire pump room	S	S	S	N/A	S	195 PSI	May-24		1	
242	246	Dry chemical / 10 lbs	Saturn	MCL 2 Diesel Tank	S	S	S	N/A	S	195 PSI	May-24		1	
243	247	Dry chemical / 10 lbs	Saturn	Canteen (ด้านหลัง)	S	S	S	N/A	S	195 PSI	24/11/63		5	
244	248	Dry chemical / 10 lbs	Impact	Admin (Load Test)	S	S	S	N/A	S	195 PSI	24/11/63		5	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location Building Area	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
1	Co2 / 10 lbs.	SATURN	WARE HOUSE OP.11	S	S	S	14.00	15.21	0%	Nov-22		3	
2	Co2 / 10 lbs.	SATURN	Worke shop OP.12	S	S	S	14.00	15.38	0%	Nov-22		3	
3	Co2 / 10 lbs.	SATURN	Worke shop OP.08	S	S	S	14.00	11.87	0%	Nov-22		3	
4	Co2 / 10 lbs.	IMPACT	New Store	S	S	S	14.00	15.28	0%	Mar-23		2	
5	Co2 / 10 lbs.	SATURN	Chemical Store	S	S	S	14.00	15.43	0%	Nov-22		3	
6	Co2 / 10 lbs.	SATURN	Wwtp.offic	S	S	S	14.00	15.36	0%	Nov-22		3	
7	Co2 / 10 lbs.	IMPACT	ACM (Inside)	S	S	S	12.42	13.59	0%	Oct-24		1	
8	Co2 / 10 lbs.	SATURN	PKL .OP.09	S	S	S	14.00	15.35	0%	Nov-22		3	
9	Co2 / 10 lbs.	SATURN	PKL.ENTRY PULPIT	S	S	S	14.00	11.12	0%	Nov-22		3	
10	Co2 / 10 lbs.	SATURN	PKL .OP.05	S	S	S	14.00	15.21	0%	Nov-22		3	
11	Co2 / 10 lbs.	SATURN	PKL .A12 (TNAK FARM)	S	S	S	14.00	15.11	0%	Nov-22		3	
12	Co2 / 10 lbs.	SATURN	PKL 06/.OP.04	S	S	S	14.00	15.19	0%	Nov-22		3	
13	Co2 / 10 lbs.	SATURN	PKL 04/.EER ROOM	S	S	S	14.00	15.56	0%	Nov-22		3	มือจับเป็นสนิม
14	Co2 / 10 lbs.	SATURN	PKL .EER ROOM	S	S	S	14.00	14.83	0%	Nov-22		3	
15	Co2 / 10 lbs.	SATURN	PKL .EER ROOM	S	S	S	14.00	15.33	0%	Nov-22		3	
16	Co2 / 10 lbs.	SATURN	PKL 03/EER ROOM	S	S	S	14.00	15.27	0%	Nov-22		3	
17	Co2 / 10 lbs.	SATURN	PKL EXIT DOOR	S	S	S	14.00	15.58	0%	Nov-22		3	มือจับเป็นสนิม
18	Co2 / 10 lbs.	SATURN	PKL 05/.OP.03	S	S	S	14.00	15.45	0%	Nov-22		3	
19	Co2 / 10 lbs.	SATURN	CRM OP.01	S	S	S	14.00	15.70	0%	24/06/2023		2	
20	Co2 / 10 lbs.	SATURN	CRM RS01	S	S	S	14.00	15.40	0%	24/06/2023		2	
21	Co2 / 10 lbs.	SATURN	CRM RS02	S	S	S	14.00	15.30	0%	24/06/2023		2	
22	Co2 / 10 lbs.	SATURN	CRM EXIT DOOR OP 65	S	S	S	14.00	15.47	0%	24/06/2023		2	ป้ายชำรุด
23	Co2 / 10 lbs.	SATURN	CRM 25 (mill pul pit room)	S	S	S	14.05	15.10	0%	24/06/2023		2	
24	Co2 / 10 lbs.	SATURN	CRM 15	S	S	S	14.00	15.00	0%	24/06/2023		2	
25	Co2 / 10 lbs.	SATURN	CELA (under ground)	S	S	S	14.00	14.90	0%	Jan-24		1	
26	Co2 / 10 lbs.	SATURN	CELA (under ground)	S	S	S	14.00	14.90	7.9%	Sep-23		2	
27	Co2 / 10 lbs.	SATURN	CELA (under ground)	S	S	S	14.00	15.40	7.9%	Sep-23		2	
28	Co2 / 10 lbs.	SATURN	CELA (under ground)	S	S	S	14.00	14.80	6.9%	Sep-23		2	
29	Co2 / 10 lbs.	SATURN	CRM.14	S	S	S	14.00	15.20	0%	24/06/2023		2	
30	Co2 / 10 lbs.	SATURN	CRM OP/20	S	S	S	14.00	14.86	0%	Nov-22		3	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	remark
			Building Area										
31	Co2 / 10 lbs.	SANTO	CRM milling los	S	S	S	12.89	13.63	0%	Oct-24		1	ถังเก่า
32	Co2 / 10 lbs.	SATURN	CRM OP/21	S	S	S	14.00	15.38	0%	24/06/2023		2	
33	Co2 / 10 lbs.	IMPACT	CRM OP/21	S	S	S	14.00	15.78	0%	24/06/2023		2	
34	Co2 / 10 lbs.	SANTO	EER.ROOM (LOWER)	S	S	S	12.89	13.55	0%	Oct-24		1	ถังเก่า
35	Co2 / 10 lbs.	SATURN	EER.ROOM	S	S	S	14.00	15.46	0%	24/06/2023		2	
36	Co2 / 10 lbs.	SATURN	EER.ROOM OP/27	S	S	S	14.00	15.42	0%	24/06/2023		2	
37	Co2 / 10 lbs.	SATURN	CRM OP/29	S	S	S	14.00	15.68	0%	05/02/2024		1	
38	Co2 / 10 lbs.	SATURN	CRM OFFIC (COMPUTTER ROOM)	S	S	S	14.00	15.74	0%	24/06/2023		2	
39	Co2 / 10 lbs.	SATURN	CRM OFFIC (COMPUTTER ROOM)	S	S	S	14.00	15.64	0%	24/06/2023		2	
40	Co2 / 10 lbs.	SATURN	CRM EER.ROOM	S	S	S	14.00	15.35	0%	24/06/2023		2	
41	Co2 / 10 lbs.	SATURN	CRM EER.ROOM	S	S	S	14.00	15.42	0%	24/06/2023		2	
42	Co2 / 10 lbs.	SATURN	CRM EER.ROOM op/24	S	S	S	14.00	15.45	0%	24/06/2023		2	เข้าพื้นที่ไม่ได้
43	Co2 / 10 lbs.	CENTURY	CRM OP/25 EER Room	S	S	S	14.00	15.33	0%	24/06/2023		2	
44	Co2 / 10 lbs.	SATURN	CRM UPPER EER Room	S	S	S	14.00	15.34	0%	24/06/2023		2	
45	Co2 / 10 lbs.	SATURN	CRM 04 V.48	S	S	S	14.00	15.65	0%	Sep-23		2	
46	Co2 / 10 lbs.	SATURN	CRM OP/64	S	S	S	14.00	14.50	0%	Sep-23		2	
47	Co2 / 10 lbs.	SATURN	CRM OP/63	S	S	S	14.00	14.85	0%	Sep-23		2	
48	Co2 / 10 lbs.	SATURN	CRM OPERATION BLDG.	S	S	S	14.00	14.70	0%	Sep-23		2	
49	Co2 / 10 lbs.	SATURN	OPERATION BLDG	S	S	S	14.00	14.70	0%	Sep-23		2	
50	Co2 / 10 lbs.	SATURN	SUPPORT .BLDG(SERVER)	S	S	S	14.00	13.10	0%	Sep-23		2	
51	Co2 / 10 lbs.	SATURN	SAFETY BLD ADMIN	S	S	S	14.00	14.88	0%	Sep-23		2	
52	Co2 / 10 lbs.	IMPACT	ADMIN (Entry door)	S	S	S	12.89	13.61	0%	Oct-24		1	
53	Co2 / 10 lbs.	IMPACT	ADMIN (Entry door)	S	S	S	12.89	12.77	0%	Oct-24		1	
54	Co2 / 10 lbs.	SANTO	ADMIN	S	S	S	12.89	13.55	0%	Oct-24		1	
55	Co2 / 10 lbs.	IMPACT	ADMIN	S	S	S	12.38	13.66	0%	Oct-24		1	
56	Co2 / 10 lbs.	IMPACT	ADMIN EXIT DOOR	S	S	S	12.38	13.53	0%	Oct-24		1	
57	Co2 / 10 lbs.	IMPACT	ADMIN EXIT DOOR	S	S	S	12.89	13.62	0%	Oct-24		1	
58	Co2 / 10 lbs.	SATURN	MCL-1 PPE REQUIRCD	S	S	S	14.00	14.20	0%	May-24		1	
59	Co2 / 10 lbs.	SATURN	MCL-1 PPE OP56	S	S	S	14.00	13.39	0%	Jun-24		1	
60	Co2 / 10 lbs.	SATURN	MCL-1 FORM 1R	S	S	S	14.00	15.60	0%	May-24		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
			Building Area										
61	Co2 / 10 lbs.	SATURN	CRM OP/61	S	S	S	14.00	14.85	0%	Sep-23		2	
62	Co2 / 10 lbs.	SATURN	CRM OP/60	S	S	S	14.00	14.85	0%	Sep-23		2	
63	Co2 / 10 lbs.	SATURN	CRM OP/57	S	S	S	14.00	14.85	0%	Sep-23		2	
64	Co2 / 10 lbs.	SATURN	MCL-1 CRM 13	S	S	S	14.00	14.85	0%	May-24		1	
65	Co2 / 10 lbs.	SATURN	MCL-1 K 46	S	S	S	14.00	14.69	0%	Mar-24		1	
66	Co2 / 10 lbs.	SATURN	MCL-1 OP/56	S	S	S	14.00	14.70	0%	May-24		1	
67	Dry / 10 lbs.	IMPACT	MCL-1 WORKE SHOP	S	S	S	N/A	195 PSI	N/A	-		-	
68	Co2 / 10 lbs.	SATURN	MCL-1 CONTROL ROOM	S	S	S	14.00	14.74	0%	May-24		1	
69	Co2 / 10 lbs.	SATURN	MCL-1 K-33	S	S	S	14.00	14.13	0%	May-24		1	
70	Co2 / 10 lbs.	SATURN	MCL-1 OP/49	S	S	S	14.00	14.69	0%	May-24		1	
71	Co2 / 10 lbs.	SATURN	MCL-1 EER. ROOM	S	S	S	14.00	14.74	1.0%	May-24		1	
72	Co2 / 10 lbs.	SATURN	MCL-1 ERR.ROOM	S	S	S	14.00	14.24	0%	May-24		1	
73	Co2 / 10 lbs.	SATURN	MCL-1 ZAL ERR.ROOM	S	S	S	14.00	14.75	0%	May-24		1	
74	Co2 / 10 lbs.	SATURN	MCL-1 ZAL OP/52 EER	S	S	S	14.00	14.00	0%	May-24		1	
75	Co2 / 10 lbs.	SATURN	MCL-1 ZAL ERR. ROOM	S	S	S	14.00	14.75	0%	May-24		1	
76	Co2 / 10 lbs.	SATURN	MCL-1 ZAL COMPUTER ROOM	S	S	S	14.00	14.68	0%	May-24		1	
77	Co2 / 10 lbs.	SATURN	MCL-1 K2-25	S	S	S	14.40	15.03	0%	Jul-24		1	
78	Co2 / 10 lbs.	SATURN	CPL-1 OP46	S	S	S	14.00	14.91	0%	Jul-24		1	
79	Co2 / 10 lbs.	SATURN	CPL -1 LINE PACKING K2	S	S	S	14.00	15.11	0%	Jul-24		1	
80	Co2 / 10 lbs.	SATURN	CPL -1 LINE PACKING	S	S	S	14.00	15.02	0%	Jul-24		1	
81	Co2 / 10 lbs.	SATURN	CPL -1 LINE PACKING	S	S	S	14.00	15.02	0%	Jul-24		1	
82	Co2 / 10 lbs.	SATURN	CPL -1 OP/44	S	S	S	14.00	15.13	0%	Jul-24		1	
83	Co2 / 10 lbs.	IMPACT	CPL -1 CPL OVCN UPPER ROOM	S	S	S	13.20	13.20	0%	Jun-11		14	
84	Co2 / 10 lbs.	IMPACT	CPL -1 OP/43	S	S	S	12.24	13.40	0%	Jan-20		6	
85	Co2 / 10 lbs.	SATURN	CPL -1 CPL/04	S	S	S	14.00	15.18	0%	Jul-24		1	
86	Co2 / 10 lbs.	SATURN	CPL -1 LINE PACKING N1-02	S	S	S	14.00	15.09	0%	Jul-24		1	
87	Co2 / 10 lbs.	SATURN	CPL -1 LINE PACKING N2	S	S	S	14.00	14.96	0%	Jul-24		1	
88	Co2 / 10 lbs.	SATURN	CLP -1 LINE PACKING	S	S	S	14.00	15.00	0%	Jul-24		1	
89	Co2 / 10 lbs.	SATURN	MCL-1 ZAL N-45	S	S	S	14.00	14.60	0%	May-24		1	
90	Co2 / 10 lbs.	IMPACT	MCL-1 ZAL	S	S	S	14.00	14.77	0%	May-24		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
			Building Area										
91	Co2 / 10 lbs.	SATURN	MCL-1 ZAL	S	S	S	14.00	14.19	0%	May-24		1	
92	Co2 / 10 lbs.	SATURN	MCL-1 ZAL	S	S	S	14.00	14.82	0%	May-24		1	
93	Co2 / 10 lbs.	SATURN	MCL-1 ZAL	S	S	S	14.00	14.62	0%	May-24		1	
94	Co2 / 10 lbs.	SATURN	MCL-1 PORT F#1R	S	S	S	14.00	14.50	0%	May-24		1	
95	Co2 / 10 lbs.	SATURN	MCL-1 PORT F#2R	S	S	S	14.00	14.30	0%	May-24		1	
96	Co2 / 10 lbs.	SATURN	MCL-1 PORT F#3R	S	S	S	14.00	14.64	0%	May-24		1	ไม่มีป้าย
97	Co2 / 10 lbs.	SATURN	MCL-1 ACCEMMUTATOR F#3	S	S	S	14.00	14.50	0%	May-24		1	
98	Co2 / 10 lbs.	SATURN	MCL-1 PORT F#4	S	S	S	14.00	14.59	0%	May-24		1	
99	Co2 / 10 lbs.	SATURN	MCL-1 PORT F#5	S	S	S	14.00	14.70	0%	May-24		1	
100	Co2 / 10 lbs.	SATURN	MCL-1 PORT F#6	S	S	S	14.00	14.50	0%	May-24		1	
101	Co2 / 10 lbs.	SATURN	MCL-1 COATER F#1M.1	S	S	S	14.00	14.20	0%	May-24		1	
102	Co2 / 10 lbs.	SATURN	MCL-1 COATER F#2M1	S	S	S	14.00	14.00	0%	May-24		1	
103	Co2 / 10 lbs.	SATURN	MCL-1 COATER F#2	S	S	S	14.00	14.30	0%	May-24		1	
104	Co2 / 10 lbs.	SATURN	MCL-1 COATER F#3	S	S	S	14.00	14.50	0%	May-24		1	
105	Co2 / 10 lbs.	SATURN	MCL-1 COATER F#3M1	S	S	S	14.00	14.50	0%	May-24		1	
106	Co2 / 10 lbs.	SATURN	MCL-1 COATER F#4M1	S	S	S	14.80	14.50	0%	May-24		1	
107	Co2 / 10 lbs.	SATURN	MCL-1 COATER F#4	S	S	S	13.90	12.90	0%	-		-	
108	Co2 / 10 lbs.	SATURN	MCL-1 COATER F#5	S	S	S	14.80	14.70	0%	Jul-19		6	
109	Co2 / 10 lbs.	SATURN	MCL-1 COATER F#6M1	S	S	S	13.50	13.30	0%	-		-	
110	Co2 / 10 lbs.	SATURN	CPL-1 OVEN (UPPER)	S	S	S	14.00	15.10	0%	Jun-24		1	
111	Co2 / 10 lbs.	SATURN	CPL-1 COATTER 2	S	S	S	14.00	15.13	0%	Jul-24		1	
112	Co2 / 10 lbs.	SATURN	CPL-1 OVEN (CPL)	S	S	S	14.00	15.01	0%	Jul-24		1	
113	Co2 / 10 lbs.	SATURN	CPL-1 CORTTER 1(CPL)	S	S	S	14.00	15.04	0%	Jul-24		1	
114	Co2 / 10 lbs.	IMPACT	CPL-PAINT STORE	S	S	S	13.20	13.40	0%	Jan-20	Jun-24	1	
115	Co2 / 10 lbs.	IMPACT	MCL-2 MEETING ROOM	S	S	S	14.00	14.90	0%	Jul-24		1	
116	Co2 / 10 lbs.	SATURN	MCL-2 LAB	S	S	S	14.00	15.00	0%	Jul-24		1	
117	Co2 / 10 lbs.	IMPACT	MCL-2 P 37	S	S	S	12.60	13.17	0%	Jul-24		1	
118	Co2 / 10 lbs.	IMPACT	MCL-2 EXIT PULPIT	S	S	S	12.60	13.80	0%	10/01/2021		4	
119	Co2 / 10 lbs.	SATURN	MCL-2 LINE PACKING	S	S	S	14.00	15.07	0%	Jul-24		1	
120	Co2 / 10 lbs.	SATURN	MCL-2 LINE PACKING	S	S	S	14.00	15.00	0%	Jul-24		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location / Building Area	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
121	Co2 / 10 lbs.	SATURN	MCL-2 LINE PACKING	S	S	S	14.00	15.10	0%	Jul-24		1	
122	Co2 / 10 lbs.	SATURN	MCL-2 LINE PACKING OP89	S	S	S	14.00	15.73	0%	Nov-22		3	
123	Co2 / 10 lbs.	IMPACT	MCL-2 LINE PACKING	S	S	S	12.24	12.99	0%	Apr-20		5	
124	Co2 / 10 lbs.	SATURN	MCL-2 OP/86 LINE PACKING	S	S	S	14.00	14.74	0%	Jul-24		1	
125	Co2 / 10 lbs.	IMPACT	MCL-2 D32	S	S	S	12.60	13.27	0%	Oct-21		4	
126	Co2 / 10 lbs.	IMPACT	MCL-2 MAIN EER ROOM 1	S	S	S	12.24	13.15	0%	Jan-20		6	
127	Co2 / 10 lbs.	IMPACT	MCL-2 MAIN EER ROOM 5	S	S	S	12.24	13.21	0%	Jan-20		6	
128	Co2 / 10 lbs.	IMPACT	MCL-2 MAIN EER ROOM 4	S	S	S	12.24	13.36	0%	Jan-20		6	
129	Co2 / 10 lbs.	IMPACT	MCL-2 MAIN EER ROOM 3	S	S	S	12.60	13.35	0%	Jan-20		6	
130	Co2 / 10 lbs.	IMPACT	MCL-2 MAIN EER ROOM 2	S	S	S	12.60	13.39	0%	Jan-20		6	
131	Co2 / 10 lbs.	SANTO	MCL-2 OP/79	S	S	S	12.89	13.36	0%	Oct-24		1	
132	Co2 / 10 lbs.	SANTO	MCL-2 OP/81	S	S	S	12.89	13.53	0%	Oct-24		1	
133	Co2 / 10 lbs.	SATURN	MCL-2 OP/80	S	S	S	14.00	13.98	0%	Sep-23		2	
134	Co2 / 10 lbs.	SATURN	MCL-2 OP/75	S	S	S	14.00	14.58	0%	Sep-23		2	
135	Co2 / 10 lbs.	SATURN	MCL-2 PREMET ROOM	S	S	S	14.00	14.88	0%	Sep-23		2	
136	Co2 / 10 lbs.	SANTO	MCL-2 T1/37	S	S	S	12.89	13.64	0%	Oct-24		1	
137	Co2 / 10 lbs.	IMPACT	MCL-2 ENTRY EER ROOM 1	S	S	S	14.20	14.60	0%	Nov-04		21	
138	Co2 / 10 lbs.	IMPACT	MCL-2 ENTRY EER ROOM 2	S	S	S	13.80	14.30	0%	Nov-04		21	
139	Co2 / 10 lbs.	IMPACT	MCL-2 ENTRY EER ROOM 3	S	S	S	14.10	14.50	0%	Nov-04		21	
140	Co2 / 10 lbs.	SANTO	MCL-2 T1A/43A	S	S	S	12.89	13.61	0%	Oct-24		1	
141	Co2 / 10 lbs.	SANTO	MCL-2 XFHV-5 (OUT SIZE)	S	S	S	13.03	12.78	0%	Jun-23		2	
142	Co2 / 10 lbs.	IMPACT	MCL-2 XFHV-4 (OUT SIZE)	S	S	S	12.50	13.54	0%	Dec-23		2	
143	Co2 / 10 lbs.	IMPACT	MCL-2 XFHV-1 (OUT SIZE)	S	S	S	12.30	13.21	0%	Dec-23		2	
144	Co2 / 10 lbs.	SATURN	MCL-2 GENERATOR	S	S	S	14.00	14.43	0%	May-24		1	
145	Co2 / 10 lbs.	IMPACT	MCL-2 FORNACER FLOOR 1	S	S	S	12.70	13.34	0%	-		-	
146	Co2 / 10 lbs.	IMPACT	MCL-2 FORNACER FLOOR 2	S	S	S	12.70	14.70	0%	-		-	
147	Co2 / 10 lbs.	IMPACT	MCL-2 FORNACER FLOOR 3	S	S	S	12.70	13.45	0%	Jan-05		21	
148	Co2 / 10 lbs.	IMPACT	MCL-2 FORNACER FLOOR 4	S	S	S	14.10	14.61	0%	10/2021		4	
149	Co2 / 10 lbs.	IMPACT	MCL-2 FORNACER FLOOR 5	S	S	S	13.00	13.30	0%	-		-	
150	Co2 / 10 lbs.	IMPACT	MCL-2 FORNACER FLOOR 6	S	S	S	14.70	14.61	0%	-		-	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location / Building Area	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
151	Co2 / 10 lbs.	IMPACT	MCL-2 FORNACER FLOOR 7	S	S	S	14.10	14.70	0%	Jan-05		21	
152	Co2 / 10 lbs.	IMPACT	MCL-2 COATTER FLOOR 3	S	S	S	12.25	13.10	0%	31/08/2554		14	
153	Co2 / 10 lbs.	IMPACT	MCL-2 COATTER FLOOR 3/2	S	S	S	14.12	14.62	0%	Jan-05		21	
154	Co2 / 10 lbs.	IMPACT	MCL-2 COATTER FLOOR 4	S	S	S	14.14	14.72	0%	Mar-05		20	
155	Co2 / 10 lbs.	IMPACT	MCL-2 WET ROLLING	S	S	S	14.10	14.70	0%	Jan-05		21	
156	Co2 / 10 lbs.	IMPACT	MCL-2 COATTING POT EER ROOM	S	S	S	14.10	14.60	0%	-		-	
157	Co2 / 10 lbs.	IMPACT	MCL-2 COATTING POT EER ROOM	S	S	S	14.10	14.40	0%	-		-	
158	Co2 / 10 lbs.	IMPACT	MCL-2 UNDER GROUND FLOOR	S	S	S	14.10	13.60	3.5%	2011		14	
159	Co2 / 10 lbs.	IMPACT	MCL-2 GASS STATION	S	S	S	12.50	13.50	0%	Jun-24		1	
160	Co2 / 10 lbs.	IMPACT	MCL-2 GASS STATION	S	S	S	13.50	13.50	0%	Aug-11		14	
161	Co2 / 10 lbs.	IMPACT	Maintenance Room MCL1	S	S	S	13.26	13.26	0%	Oct-26	Jun-24	1	
162	Co2 / 10 lbs.	IMPACT	MCL-1 PUMP COLING TOWER	S	S	S	12.70	13.00	0%	Jun-24		1	
163	Co2 / 10 lbs.	IMPACT	MCL-1 PUMP COLING TOWER	S	S	S	13.20	13.20	0%	Jun-24		1	
164	Co2 / 10 lbs.	IMPACT	WATER TANK	S	S	S	12.72	13.60	0%	05/06/23		2	
165	Co2 / 10 lbs.	IMPACT	MCL-2 DISP OFFIC	S	S	S	12.50	13.56	0%	12/12/23		2	
166	Co2 / 10 lbs.	IMPACT	CRM MINILOS	S	S	S	14.00	14.67	0%	Sep-23		2	
167	Co2 / 10 lbs.	IMPACT	MCL-2 GENERATOR ROOM	S	S	S	14.05	14.90	0%	Dec-23		2	
168	Co2 / 10 lbs.	IMPACT	CPL-HAZARDOUS WASTE STORE	S	S	S	14.10	13.50	0%	Dec-23		2	
169	Co2 / 10 lbs.	IMPACT	MCL-1 PORT F#7	S	S	S	12.57	13.10	0%	Dec-06		19	
170	Co2 / 10 lbs.	IMPACT	MCL1 ACCEMMUTTOR F#2	S	S	S	12.57	12.80	0%	Dec-06		19	
171	Co2 / 10 lbs.	IMPACT	MCL1 ACCEMMUTTOR F#1	S	S	S	14.00	14.69	0%	May-24		1	
172	Co2 / 10 lbs.	IMPACT	MCL-2 COOLING TOWER	S	S	S	12.24	13.29	0%	Apr-20		6	
173	Co2 / 10 lbs.	IMPACT	CPL tranformer xfhv-05	S	S	S	13.45	13.50	0%	Jan-21	Jun-24	1	
174	Co2 / 10 lbs.	IMPACT	Passge Way of ACM FHV 24	S	S	S	12.50	14.25	0%	12/12/66		2	
175	Co2 / 10 lbs.	IMPACT	Gamling Bldg	N/A	N/A	N/A	N/A	N/A	-	-		-	Cancel
176	Co2 / 10 lbs.	IMPACT	MCL 1 OP56	N/A	N/A	N/A	N/A	N/A	-	-		-	Cancel
177	Co2 / 10 lbs.	IMPACT	MCL 1 OP59	N/A	N/A	N/A	N/A	N/A	-	-		-	ไม่มีอุปกรณ์
178	Co2 / 10 lbs.	SATURN	MCL 1-PORT F#1R	S	S	S	14.00	14.89	0%	May-24		1	
179	Co2 / 10 lbs.	IMPACT	Blue Scope Training Center	S	S	S	12.83	20.2	0%	Oct-24		1	
180	Co2 / 10 lbs.	IMPACT	Training Center	S	S	S	12.83	14.70	0%	Oct-24		1	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 30 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
			Building Area										
181	Co2 / 10 lbs.	IMPACT	Training Center	S	S	S	12.10	13.40	0%	24/06/2023		2	
182	Co2 / 10 lbs.	IMPACT	MCL-2 Fl 3'	S	S	S	13.50	14.78	0%	Mar-05		20	
183	Co2 / 10 lbs.	IMPACT	MCL-2 Fl 4'	S	S	S	13.50	13.18	0%	Mar-05		20	
184	Co2 / 10 lbs.	SANTO	MCL-2 Fl 5'	S	S	S	12.89	13.56	0%	Oct-24		1	ไม่มีอุปกรณ์
185	Co2 / 10 lbs.	SATURN	MCL-1 OP49	S	S	S	14.00	14.70	0%	May-24		1	
186	Co2 / 10 lbs.	SATURN	MCL-1 N38	S	S	S	14.00	14.61	0%	May-24		1	
187	Co2 / 10 lbs.	SATURN	MCL-1 ZAL	S	S	S	14.00	14.78	0%	May-24		1	
188	Co2 / 10 lbs.	SATURN	PKL OP/15	S	S	S	13.70	15.07	0%	Jul-24		1	
189	Co2 / 10 lbs.	SATURN	PKL OP/07 Workshop	S	S	S	12.70	15.10	0%	Jul-24		1	
190	Co2 / 10 lbs.	IMPACT	Equipment Storage warehouse	S	S	S	12.70	13.30	0%	12/12/23		2	
191	Co2 / 10 lbs.	IMPACT	Ware House (Air Room)	S	S	S		13.16	0%	Apr-20		6	
192	Co2 / 10 lbs.	IMPACT	Ware House (Air Room)	S	S	S	12.89	13.55	0%	Oct-24		1	
193	Co2 / 10 lbs.	IMPACT	MCL-2 (T1-23)	S	S	S	12.60	13.38	0%	Jan-21		4	
194	Co2 / 10 lbs.	IMPACT	MCL-2 (OP/78)	S	S	S	14.00	14.86	0%	Sep-23		2	
195	Co2 / 10 lbs.	SANTO	Admin	S	S	S	12.89	13.43	0%	Oct-24		1	
196	Co2 / 10 lbs.	IMPACT	Canteen	S	S	S	12.60	13.51	0%	Jun-11		14	
197	Co2 / 10 lbs.	IMPACT	Canteen	S	S	S	12.60	13.40	0%	Jan-21		4	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST PORTABLE FIRE EXTINGUISHERS SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Standard Reference

For this project, our company will follow inspection and maintenance procedures of fire alarm system and fire fighting system by referring to these standards as detail below.

- NFPA 10 – Standard For Portable Fire Extinguishers
- NFPA 11 – Standard For Foam Extinguishers, Low Expansion
- NFPA 12 – Standard On Carbon Dioxide Extinguishers systems
- NFPA 13 – Standard For The Installation of Sprinkler systems
- NFPA 14 – Standard For Installation of Stand Pipe and Hose Systems
- NFPA 15 – Standard For Water Spray Fixed Systems For Fire Protection
- NFPA 20 – Standard For Installation of Centrifugal Fire Pumps
- NFPA 25 – Standard For The Inspection, Testing, and Maintenance of Water-Based Fire Protection System
- NFPA 30 – Flammable and Combustible Liquids Code
- NFPA 70 – National Electrical Code
- NFPA 72 – National Fire Alarm Code

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

NS BLUESCOPE (THAILAND) LIMITED (MCL3)

Preventive Maintenance for Fire Protection System

On April 2026

Takachiho Fire, Security & Services (Thailand) Limited
1858/110-111 25th Floor Interlink Tower Bangna , Debaratna Rd. Bangna Tai , Bangna , Bangkok 10260 Thailand
Tel. (66-2) 366 9000, Fax. (66-2) 366 9090 www.tkfs.co.th

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION, TEST AND PREVENTIVE MAINTENANCE

FOR

Fire Protection and Fire Detection System

Customer : **NS Blue Scope Steel (Thailand) Ltd. (MCL 3)** **Report Date : 6 May 2026**

Inspector By :	1. Subin	Karnna	Service Leader
	2. Pattanasit	Ratanapatarakorn	Technician Service
	3. Somkhid	Khamlai	Technician Service
	4. Anuchit	Phoomee	Technician Service
	5. Perakant	Kumwong	Technician Service

NSBST (MCL3) Fire Alarm & Fire Suppression Summary Report : April 2026
Pervious month Outstanding update
April 2026 Result

Item	Inspection Description	Point / Device		Location		Recomment	Priority	Status
1	Fire alarm system							
	(Monthly)	Local power supply	Battery = 4 ea	MCL3	Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี	should replace	O Low ● Medium O High	TK เสนอราคา
2	Inergen and Inergen cylinder system							
	(Monthly)	Inergen no. 14104757	Inergen = 1 ถัง	PLC & COMPUTOR RM.	Low pressure	should hydro test and refill	O Low ● Medium O High	TK เสนอราคา
3	Automatic sprinkler & Deluge valve system							
	(Monthly)	Function system is working normally.						
4	Fire Hydrant and Fire Hose Cabinet							
	(Monthly)	Fire hydrant no.6	ท่อ	MCL3	ท่อถูกกัดกร่อนเป็นสนิม	should replace	O Low ● Medium O High	TK เสนอราคา
5	Fire pump system							
	(Monthly)	Engine fire pump no. 1	จอ Display	MCL3	หน้าจอ Display สำหรับตู้ control engine fire pump อุปกรณ์เสีย (จอดำ)	should replace	O Low ● Medium O High	TK เสนอราคา
		Electric motor Jockey pump	Check valve 2"	MCL3	line discharge ข้อต่อเกลียวมีน้ำรั่วซึมถูกกัดกร่อนเป็นสนิม	should replace	O Low ● Medium O High	TK เสนอราคา
6	Portable Extinguisher							
	(Every Three Months)	Foam No. 1	Foam	Chemical storage	Low pressure	should replace	O Low ● Medium O High	TK เสนอราคา
		Dry chemical No.1 - No. 107	Dry chemical = 107 ถัง	MCL3	อายุการใช้งานเกิน 5 ปี	ควรนำไปตรวจเช็คสภาพภายใน	O Low ● Medium O High	TK เสนอราคา
		Dry chemical No.14	Dry chemical = 1 ถัง	MCL3	Low pressure	ควรนำไปตรวจเช็คสภาพภายใน	O Low ● Medium O High	TK เสนอราคา
		CO2 No.1 - No. 113	CO2 = 113 ถัง	MCL3	อายุการใช้งานเกิน 5 ปี	ควรนำไปตรวจเช็คสภาพภายใน	O Low ● Medium O High	TK เสนอราคา
		CO2 No. 111	CO2	MCL3	น้ำหนักต่ำกว่าเกณฑ์	ควรนำไป refill	O Low ● Medium O High	TK เสนอราคา

Reference report: TAKACHIHO's Inspection Monthly report for NS Bluescope Thailand : April 2026

Review By

Songpon Soontaros
PSV Senior Engineer

Date

Sign Off By

Plant Service & Engineering Project Manager

Date

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE ALARM SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Functio .nn	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 230.6 VAC

Charger control panel 27.45 VDC

Battery back up 27.42 VDC (start 27/6/24)

* Power supply panel box no.1			* Power supply panel box no.2		
AC power supply	:	231.2 VAC	AC power supply	:	230.8 VAC
Battery back up	:	26.60 Vdc. (Start 3/8/23)	Battery back up	:	27.20 Vdc. (Start 3/8/23)
Charge control	:	26.58 Vdc.	Charge control	:	27.18 Vdc.

* Battery back up สำหรับตู้ local power supply อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 4 ลูก

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	MCL-3 PLC EER. Z1. INERGEN	M3-76	IAM(Inergen Alarm)	S	S	
2	MCL-3 PLC EER. INERGEN DISCHARGE	M3-77	IAM(Inergen Discharge)	S	S	
3	MCL-3 PLC EER. INERGEN TROUBLE	M3-78	IAM(Inergen Trouble)	S	S	
4	MCL-3 EXIT EER. Z1. INERGEN	M3-71	IAM(Inergen Alarm)	S	S	
5	MCL-3 EXIT EER. Z1. INERGEN	M3-72	IAM(Inergen Discharge)	S	S	
6	MCL-3 EXIT EER. Z1. INERGEN	M3-73	IAM(Inergen Trouble)	S	S	
7	MCL-3 MV EER. Z1 INERGEN ALARM	M3-83	IAM(Inergen Alarm)	S	S	
8	MCL-3 MV EER. Z1. INERGEN DISCHARGE	M3-84	IAM(Inergen Discharge)	S	S	
9	MCL-3 MV EER. Z1. INERGEN TROUBLE	M3-85	IAM(Inergen Trouble)	S	S	
10	MCL-3 MV EER. Z1.	M3-79	MANUAL	S	S	
11	MCL-3 MV EER. Z1. NO. 1	M3-81	SMOKE	S	S	
12	MCL-3 MV EER. Z1. NO. 2	M3-82	SMOKE	S	S	
13	MCL-3 EXIT EER. Z1. NO. 2	M3-66	MANUAL	S	S	
14	MCL-3 EXIT EER. Z1. NO. 3	M3-65	SMOKE	S	S	
15	MCL-3 EXIT EER. Z1. NO. 2	M3-64	SMOKE	S	S	
16	MCL-3 EXIT EER. Z1. NO. 1	M3-63	SMOKE	S	S	
17	MCL-3 EXIT EER. Z1. NO. 4	M3-68	SMOKE	S	S	
18	MCL-3 EXIT EER. Z1. NO. 1	M3-61	MANUAL	S	S	
19	MCL-3 EXIT EER. Z1. NO. 5	M3-69	SMOKE	S	S	
20	MCL-3 PLC EER. Z1. NO. 2	M3-75	SMOKE	S	S	
21	MCL-3 PLC EER. Z1. NO. 1	M3-74	SMOKE	S	S	
22	MCL-3 POT EER. Z7. INERGEN	M3-48	IAM(Inergen Trouble)	S	S	
23	MCL-3 POT EER. Z7. INERGEN	M3-46	IAM(Inergen Alarm)	S	S	
24	MCL-3 POT EER. Z7. INERGEN	M3-47	IAM(Inergen Discharge)	S	S	
25	MCL-3 POT EER. Z7. NO.2	M3-45	SMOKE	S	S	
26	MCL-3 POT EER. Z7. NO.1	M3-44	SMOKE	S	S	
27	MCL-3 POT EER. Z7.	M3-42	MANUAL	S	S	
28	MCL-3 ENTRY EER. Z2.	M3-31	IAM(Inergen Alarm)	S	S	
29	MCL-3 ENTRY EER. Z2.	M3-32	IAM(Inergen Discharge)	S	S	
30	MCL-3 ENTRY EER. Z2.	M3-33	IAM(Inergen Trouble)	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	MCL-3 ENTRY EER. Z2. NO.2	M3-29	MANUAL	S	S	
32	MCL-3 ENTRY EER. Z2. NO.1	M3-21	SMOKE DETECTOR	S	S	
33	MCL-3 ENTRY EER. Z2. NO.2	M3-22	SMOKE DETECTOR	S	S	
34	MCL-3 ENTRY EER. Z2. NO.3	M3-23	SMOKE DETECTOR	S	S	
35	MCL-3 WATER TREATMENT Z8.	M3-19	MANUAL	S	S	
36	MCL-3 WATER TREATMENT Z8.	M3-8	MANUAL	S	S	
37	MCL-3 Z6 MANUAL (GRID 34/BC)	M1-1	MANUAL	S	S	
38	MCL-3 Z6 MANUAL (GRID 31/BC)	M1-10	MANUAL	S	S	
39	MCL-3 Z6 MANUAL (GRID 31/BC)	M1-49	MANUAL	S	S	
40	MCL-3 Z6 MANUAL (GRID 34/BC)	M1-45	MANUAL	S	S	
41	MCL-3 Z6 MANUAL (GRID 26/BC)	M1-19	MANUAL	S	S	
42	MCL-3 Z6 MANUAL (GRID 21/BC)	M1-23	MANUAL	S	S	
43	MCL-3 Z5 MANUAL (GRID 18/BC)	M1-29	MANUAL	S	S	
44	MCL-3 Z7 MANUAL (GRID 17/BC)	M3-118	MANUAL	S	S	
45	MCL-3 Z5 MANUAL (GRID 13/BC)	M1-39	MANUAL	S	S	
46	MCL-3 POT PUPIT Z5.	M3-86	MANUAL	S	S	
47	MCL-3 POT PUPIT Z5.	M3-60	SMOKE DETECTOR	S	S	
48	MCL-3 POT PUPIT Z5.	M3-59	SMOKE DETECTOR	S	S	
49	MCL-3 POT PUPIT Z5.	M1-77	MANUAL	S	S	
50	MCL-3 POT PUPIT Z5.	M1-75	MANUAL	S	S	
51	MCL-3 POT PUPIT Z5.	M1-41	MANUAL	S	S	
52	MCL-3 CHEMICAL AREA	M3-100	MANUAL	S	S	
53	MCL-3 COATING OP114	M2-1	MANUAL	S	S	
54	MCL-3 MANUAL Z. 4	M2-22	MANUAL	S	S	
55	MCL-3 MANUAL Z. 4	M2-10	MANUAL	S	S	
56	MCL-3 MANUAL Z. 4	M2-14	MANUAL	S	S	
57	MCL-3 EXIT PULPIT Z. 4	M2-60	MANUAL	S	S	
58	MCL-3 EXIT PULPIT Z. 4	M2-61	SMOKE DETECTOR	S	S	
59	MCL-3 MANUAL Z. 4	M2-30	MANUAL	S	S	
60	MCL-3 MANUAL Z. 4	M2-38	MANUAL	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
61	MCL-3 MANUAL Z. 5	M2-44	MANUAL	S	S	
62	MCL-3 WET LAB Z. 5	M2-41	SMOKE DETECTOR	S	S	
63	MCL-3 WET LAB Z. 5	M2-40	MANUAL	S	S	
64	MCL-3 MANUAL Z. 5	M1-83	MANUAL	S	S	
65	MCL-3 PIT 6 Z. 11	M3-57	MANUAL	S	S	
66	MCL-3 PIT 6 Z. 11	M3-55	MANUAL	S	S	
67	MCL-3 MANUAL Z. 6	M1-12	MANUAL	S	S	
68	MCL-3 MAMUAL Z. 6	M1-53	MANUAL	S	S	
69	MCL-3 ENTRY PULPIT Z. 6	M1-55	MANUAL	S	S	
70	MCL-3 ENTRY PULPIT Z. 6	M1-56	SMOKE DETECTOR	S	S	
71	MCL-3 MANUAL Z. 6	M1-65	MANUAL	S	S	
72	MCL-3 MANUAL Z. 6	M1-67	MANUAL	S	S	
73	MCL-3 PAINT COATER FL.1	M2-56	MANUAL	S	S	
74	MCL-3 PAINT COATER FL.1	M2-57	SMOKE DETECTOR	S	S	
75	MCL-3 PAINT COATER FL.2	M2-58	MANUAL	S	S	
76	MCL-3 PAINT COATER FL.2	M2-59	SMOKE DETECTOR	S	S	
77	MCL-3 PIT 7 Z. 12	M2-54	MANUAL	S	S	
78	MCL-3 PIT 7 Z. 12	M2-50	MANUAL	S	S	
79	MCL-3 packing pulpit	M2-28	MANUAL	S	S	
80	MCL-3 packing pulpit	M2-29	SMOKE DETECTOR	S	S	
81	MCL-3 Meeting room	M1-63	SMOKE DETECTOR	S	S	
82	MCL-3 Meeting room	M1-64	SMOKE DETECTOR	S	S	
83	MCL-3 pit 6 somke 1	M3-53	SMOKE DETECTOR	S	S	
84	MCL-3 pit 6 somke 2	M3-54	SMOKE DETECTOR	S	S	
85	MCL-3 pit 7 somke 1	M2-52	SMOKE DETECTOR	S	S	
86	MCL-3 pit 7 somke 2	M2-53	SMOKE DETECTOR	S	S	
87	Wast water treatment 4	M3-4	HEAT DETECTOR	S	S	Led ไม่โชว์ (not work)
88	Wast water treatment 5	M3-5	HEAT DETECTOR	S	S	
89	Wast water treatment 9	M3-11	HEAT DETECTOR	S	S	
90	Wast water treatment 10	M3-12	HEAT DETECTOR	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

_____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
91	Wast water treatment 11	M3-13	HEAT DETECTOR	S	S	
92	Wast water treatment 12	M3-16	HEAT DETECTOR	S	S	
93	WWT LAB pulpit	M3-124	SMOKE DETECTOR	S	S	
94	WWT LAB pulpit	M3-125	MANUAL	S	S	
95	WWT LAB CTRL pulpit	M3-126	SMOKE DETECTOR	S	S	
96	WWT LAB CTRL pulpit	M3-127	MANUAL	S	S	
97	Wast water treatment	M3-7	HEAT DETECTOR	S	S	
98	Wast water treatment	M3-3	HEAT DETECTOR	S	S	
99	Wast water treatment	M3-17	HEAT DETECTOR	S	S	
100	Wast water treatment	M3-18	HEAT DETECTOR	S	S	
101	MCL-3 pit 5 Zone 10 manual	M1-87	MANUAL	S	S	
102	MCL-3 pit 5 Zone 10 manual	M1-90	MANUAL	S	S	
103	MCL-3 Generator z. 7 heat 1	M3-49	HEAT DETECTOR	S	S	
104	MCL-3 Generator z. 7 heat 2	M3-50	HEAT DETECTOR	S	S	
105	MCL-3 Chemical area	M3-94	HEAT DETECTOR	S	S	
106	MCL-3 Chemical area	M3-95	HEAT DETECTOR	S	S	
107	MCL-3 Chemical area	M3-96	HEAT DETECTOR	S	S	
108	MCL-3 Chemical area	M3-97	HEAT DETECTOR	S	S	
109	MCL-3 Chemical area	M3-98	HEAT DETECTOR	S	S	
110	MCL-3 Chemical area	M3-99	HEAT DETECTOR	S	S	
111	MCL3 Fire pump house	M3-87	HEAT DETECTOR	S	S	
112	MCL3 Fire pump house	M3-88	HEAT DETECTOR	S	S	
113	MCL3 Fire pump house	M3-89	HEAT DETECTOR	S	S	
114	MCL3 Fire pump house	M3-90	MANUAL	S	S	
115	MCL3 Toilet 1	M1-57	HEAT DETECTOR	S	S	
116	MCL3 Toilet 1	M1-58	HEAT DETECTOR	S	S	
117	MCL3 Toilet 2	M2-48	HEAT DETECTOR	S	S	
118	MCL3 Toilet 2	M2-49	HEAT DETECTOR	S	S	
119	MCL3 Toilet 3	M2-24	HEAT DETECTOR	S	S	
120	MCL3 Toilet 3	M2-25	HEAT DETECTOR	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
121	MCL3 DV-LISTED ZONE 1	M1-5	Supervisory valve	S	S	
122	MCL3 DV-LISTED ZONE 2	M1-48	Supervisory valve	S	S	
123	MCL3 DV-LISTED ZONE 3	M1-9	Supervisory valve	S	S	
124	MCL3 DV-LISTED ZONE 4	M1-52	Supervisory valve	S	S	
125	MCL3 DV-LISTED ZONE 5	M1-15	Supervisory valve	S	S	
126	MCL3 DV-LISTED ZONE 6	M1-62	Supervisory valve	S	S	
127	MCL3 DV-LISTED ZONE 7	M1-26	Supervisory valve	S	S	
128	MCL3 DV-LISTED ZONE 8	M1-70	Supervisory valve	S	S	
129	MCL3 DV-LISTED ZONE 9	M1-28	Supervisory valve	S	S	
130	MCL3 DV-LISTED ZONE 10	M1-74	Supervisory valve	S	S	
131	MCL3 DV-LISTED ZONE 11	M1-38	Supervisory valve	S	S	
132	MCL3 DV-LISTED ZONE 12	M1-82	Supervisory valve	S	S	
133	MCL3 DV-LISTED ZONE 13	M1-44	Supervisory valve	S	S	
134	MCL3 DV-LISTED ZONE 14	M2-86	Supervisory valve	S	S	
135	MCL3 DV-LISTED ZONE 15	M2-9	Supervisory valve	S	S	
136	MCL3 DV-LISTED ZONE 16	M2-37	Supervisory valve	S	S	
137	MCL3 DV-LISTED ZONE 17	M2-13	Supervisory valve	S	S	
138	MCL3 DV-LISTED ZONE 18	M2-35	Supervisory valve	S	S	
139	MCL3 DV-LISTED ZONE 19	M2-17	Supervisory valve	S	S	
140	MCL3 DV-LISTED ZONE 20	M2-33	Supervisory valve	S	S	
141	MCL3 DV-LISTED ZONE 21	M2-21	Supervisory valve	S	S	
142	MCL3 DV-LISTED ZONE 22	M3-121	Supervisory valve	S	S	
143	MCL3 DV-LISTED ZONE 23	M3-123	Supervisory valve	S	S	
144	MCL3 AV-LISLED 01	M3-15	Supervisory valve	S	S	
145	MCL3 AV-LISLED 02	M3-52	Supervisory valve	S	S	
146	MCL3 AV-LISLED 03	M3-129	Supervisory valve	S	S	
147	MCL-3 ENTRY EER. Z2. NO.1	M3-24	MANUAL	S	S	
148	MCL-3 ENTRY EER. Z2. NO.4	M3-26	SMOKE DETECTOR	S	S	
149	MCL-3 ENTRY EER. Z2. NO.5	M3-27	SMOKE DETECTOR	S	S	
150	MCL-3 ENTRY EER. Z2. NO.6	M3-28	SMOKE DETECTOR	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
151	MCL3 AV-LISLED 04	M2-5	Supervisory valve	S	S	
152	MCL3 AV-LISLED 05	M2-63	Supervisory valve	S	S	
153	MCL3 AV-LISLED 06	M1-60	Supervisory valve	S	S	
154	MCL3 AV-LISLED 07	M2-43	Supervisory valve	S	S	
155	MCL3 AV-LISLED 08	M2-27	Supervisory valve	S	S	
156	MCL3 AV-LISLED 09	M3-132	Supervisory valve	S	S	
157	MCL3 TOILET 1-Z6	M1-58	HEAT DETECTOR	S	S	
158	MCL3 PUMP HOUSE M/V	M3-131	Supervisory valve	S	S	
159	MCL3 PUMP HOUSE M/V	M3-117	Supervisory valve	S	S	
160	MCL3 PUMP HOUSE SUP/SW	M3-110	Supervisory valve	S	S	
161	MCL3 PUMP HOUSE SUP/SW	M3-109	Supervisory valve	S	S	
162	MCL3 PUMP HOUSE SUP/SW	M3-111	Supervisory valve	S	S	
163	MCL3 PUMP HOUSE SUP/SW	M3-114	Supervisory valve	S	S	
164	WAST WATER TREATMENT 14	M3-1	HEAT DETECTOR	S	S	
165	WAST WATER TREATMENT 14	M3-2	HEAT DETECTOR	S	S	
166	MCL3 POT PUPIT 2.5	M3-137	SMOKE DETECTOR	S	S	
167	WAST WATER TREATMENT	M3-6	HEAT DETECTOR	S	S	
168	WAST WATER TREATMENT	M3-10	HEAT DETECTOR	S	S	
169	MCL3 (Grid-26-8/BC)	M1-16	Linear heat	S	S	
170	MCL3 (Grid-9/BC)	M2-2	Linear heat	S	S	
171	MCL3 (Grid-34/B)	M1-2	Linear heat	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 GAMLING, NOTIFIER (RP-1001)

Description	Normal Status	Result	Remark
1. Fire Alarm Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Annunciator Panel			
2.1 Check condition of fuse control	N/A	N/A	
2.2 Check condition of Lamp & LEDs	N/A	N/A	
2.3 Check power supply for FCP	N/A	N/A	
2.4 Check cable connection / terminal	N/A	N/A	
2.5 Check Alarm Condition / Function Test	N/A	N/A	
2.6 Visual check condition of battery and housing of battery	N/A	N/A	
2.7 Cleaning of Annunciator Panel	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 231.2 VAC
Charger control panel 26.72 Vdc (Start 27/6/25)
Battery back up 26.59 Vdc

* แนะนำ ควรเพิ่ม signal alarm module เพื่อส่งสัญญาณ alarm เข้า main control panel fire alarm

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 GAMLING, NOTIFIER (RP-1001)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Manual No.1	Zone 1	Manual	S	S	
2	Manual No.2	Zone 1	Manual	S	S	
3	Manual No.3	Zone 1	Manual	S	S	
4	Manual No.4	Zone 1	Manual	S	S	
5	Manual No.5	Zone 1	Manual	S	S	
6	Manual No.6	Zone 1	Manual	S	S	
7	Manual No.7	Zone 1	Manual	S	S	
8	Manual No.8	Zone 1	Manual	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

_____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE ALARM SYSTEM

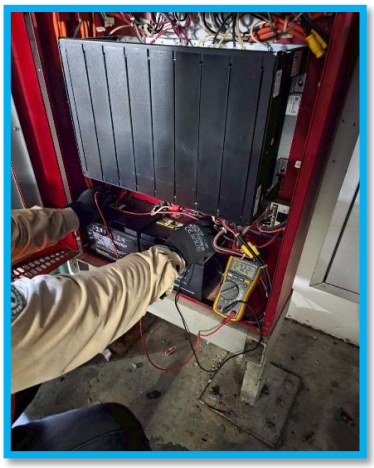
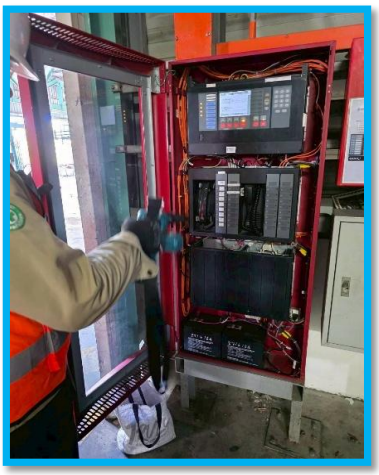
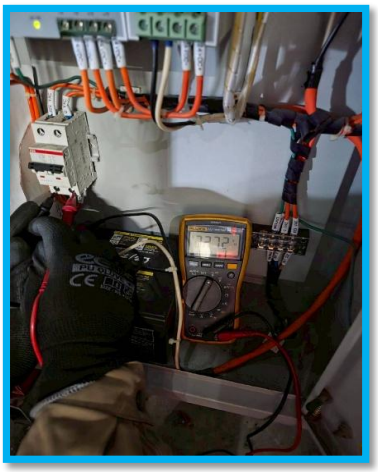
		

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INERGEN SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 ENTRY EER. ROOM AUTOPLUS 542R (RCP-01)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 227.3 VAC
Charger control panel 27.18 V.dc
Battery back up 27.15 V.dc (Start using 28/3/26)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 ENTRY EER. ROOM AUTOPLUS 542R (RCP-01)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector to discharge 60 sec.
2	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
3	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
4	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
5	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
6	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
7	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
8	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
9	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
10	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
11	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
12	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
13	ENTRY EER. ROOM	ZONE.3	MANUAL.1	S	S	Immediately
14	ENTRY EER. ROOM	ZONE.3	MANUAL.2	S	S	"
15	ENTRY EER. ROOM	ZONE.3	MANUAL.3	S	S	"
16	ENTRY EER. ROOM	ZONE.4	ABORT SW.1	S	S	Original time
17	ENTRY EER. ROOM	ZONE.4	ABORT SW.2	S	S	"
18	ENTRY EER. ROOM	ZONE.4	ABORT SW.3	S	S	"
19	ENTRY EER. ROOM	NAC.1	KEY SW.	S	S	
20	ENTRY EER. ROOM	NAC.2	ALARM BELL	S	S	
21	ENTRY EER. ROOM	NAC.3	STROBE/HORN	S	S	
22	ENTRY EER. ROOM	ZONE.5	PRESSURE SW.	S	S	
23	ENTRY EER. ROOM	NAC.1	SOLENOID VALVE	S	S	
24	ENTRY EER. ROOM		SHUTDOWN AIR	S	S	First alarm to shutdown air

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to immediately

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 POT EER. ROOM AUTOPLUS 542R (RCP-02)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.6 VAC
Charger control panel 27.33 VDC
Battery back up 27.30 VDC (Start using 28/3/26)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 POT EER. ROOM AUTOPLUS 542R (RCP-02)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	POT EER. ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	POT EER. ROOM	ZONE.2	SMOKE.2	S	S	
3	POT EER. ROOM	ZONE.1	SMOKE.1	S	S	
4	POT EER. ROOM	ZONE.2	SMOKE.2	S	S	
5	POT EER. ROOM	ZONE.3	MANUAL.1	S	S	Immediately
6	POT EER. ROOM	ZONE.3	MANUAL.2	S	S	Immediately
7	POT EER. ROOM	ZONE.4	ABORT SW.1	S	S	Original time 60 sec.
8	POT EER. ROOM	ZONE.4	ABORT SW.2	S	S	"
9	POT EER. ROOM	NAC.1	KEY SW.	S	S	
10	POT EER. ROOM	NAC.2	ALARM BELL	S	S	
11	POT EER. ROOM	NAC.3	STROBE/HORN	S	S	
12	POT EER. ROOM	ZONE.5	PRESSURE SW.	S	S	
13	POT EER. ROOM	NAC.1	SOLENOID VALVE	S	S	
14	POT EER. ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown air

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 EXIT EER. ROOM AUTOPLUS 542R (RCP-03)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 227.8 VAC
Charger control panel 27.46 VDC
Battery back up 27.43 VDC (Start using 28/7/25)

*

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 EXIT EER. ROOM AUTOPLUS 542R (RCP-03)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	
3	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	
4	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	
5	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	
6	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	
7	EXIT EER.ROOM	ZONE.3	MANUAL 1	S	S	Immediately
8	EXIT EER.ROOM	ZONE.3	MANUAL 2	S	S	Immediately
9	EXIT EER.ROOM	ZONE.3	MANUAL 3	S	S	"
10	EXIT EER.ROOM	ZONE.4	ABORT.SW 1	S	S	original time 60 sec.
11	EXIT EER.ROOM	ZONE.4	ABORT.SW 2	S	S	"
12	EXIT EER.ROOM	ZONE.4	ABORT.SW 3	S	S	"
13	EXIT EER.ROOM	NAC.1	KEY SW.	S	S	
14	EXIT EER.ROOM	NAC.2	ALARM BELL	S	S	Alarm 2
15	EXIT EER.ROOM	NAC.3	STROBE/HORN	S	S	Alarm 1
16	EXIT EER.ROOM	ZONE.5	PRESSURE SW.	S	S	
17	EXIT EER.ROOM	NAC.1	SOLENOID VALVE	S	S	
18	EXIT EER.ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown
19	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	
20	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 PLC EER. ROOM AUTOPLUS 542R (RCP-04)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

Y = Satisfactory N = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.4 VAC
Charger control panel 27.55 Vdc.
Battery back up 27.52 Vdc. (Start using 28/7/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 PLC EER. ROOM AUTOPLUS 542R (RCP-04)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	PLC EER.ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	PLC EER.ROOM	ZONE.2	SMOKE.2	S	S	
3	PLC EER.ROOM	ZONE.1	SMOKE.1	S	S	
4	PLC EER.ROOM	ZONE.2	SMOKE.2	S	S	
5	PLC EER.ROOM	ZONE.3	MANUAL.	S	S	Immediately
6	PLC EER.ROOM	ZONE.4	ABORT.SW	S	S	original time 60 sec.
7	PLC EER.ROOM	NAC.1	KEY SW.	S	S	
8	PLC EER.ROOM	NAC.2	ALARM BELL	S	S	Alarm 2
9	PLC EER.ROOM	NAC.3	STROBE/HORN	S	S	Alarm 1
10	PLC EER.ROOM	ZONE.5	PRESSURE SW.	S	S	
11	PLC EER.ROOM	NAC.1	SOLENOID VALVE	S	S	
12	PLC EER.ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 MV switch ROOM. AUTOPLUS 542R (RCP-05)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 229.2 VAC
Charger control panel 27.45 Vdc.
Battery back up 27.42 Vdc. (Start using 28/7/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 MV SWITCH ROOM AUTOPLUS 542R (RCP-05)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MV SWITCH ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	MV SWITCH ROOM	ZONE.2	SMOKE.2	S	S	
3	MV SWITCH ROOM	ZONE.1	SMOKE.1	S	S	
4	MV SWITCH ROOM	ZONE.2	SMOKE.2	S	S	
5	MV SWITCH ROOM	ZONE 3	MANUAL	S	S	Immediately
6	MV SWITCH ROOM	ZONE 3	MANUAL	S	S	"
7	MV SWITCH ROOM	ZONE 4	ABORT.SW	S	S	original time 60 sec.
8	MV SWITCH ROOM	ZONE 4	ABORT.SW	S	S	"
9	MV SWITCH ROOM	NAC.1	KEY SW.	S	S	
10	MV SWITCH ROOM	NAC.2	ALARM BELL	S	S	
11	MV SWITCH ROOM	NAC.3	STROBE/HORN	S	S	
12	MV SWITCH ROOM	ZONE.5	PRESSURE SW.	S	S	
13	MV SWITCH ROOM	NAC.1	SOLENOID VALVE	S	S	
14	MV SWITCH ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INERGEN CYLINDER SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Entry EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL-3 ENTRY EER ROOM	14104043	S	4350 Psi	Aug-17	Oct-25	
2	MCL-3 ENTRY EER ROOM	14103949	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL-3 ENTRY EER ROOM	14103933	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL-3 ENTRY EER ROOM	14104537	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL-3 ENTRY EER ROOM	14104168	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL-3 ENTRY EER ROOM	14103957	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL-3 ENTRY EER ROOM	14104026	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
8	MCL-3 ENTRY EER ROOM	14104020	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL-3 ENTRY EER ROOM	14104100	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL-3 ENTRY EER ROOM	14104196	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL-3 ENTRY EER ROOM	14103998	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL-3 ENTRY EER ROOM	14104014	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL-3 ENTRY EER ROOM	14104015	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL-3 ENTRY EER ROOM	14104108	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL-3 ENTRY EER ROOM	14104013	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
16	MCL-3 ENTRY EER ROOM	14104240	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
17	MCL-3 ENTRY EER ROOM	14104215	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
18	MCL-3 ENTRY EER ROOM	14104202	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
19	MCL-3 ENTRY EER ROOM	14104188	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
20	MCL-3 ENTRY EER ROOM	14104126	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
21	MCL-3 ENTRY EER ROOM	14104008	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
22	MCL-3 ENTRY EER ROOM	14104754	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
23	MCL-3 ENTRY EER ROOM	14103987	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
24	MCL-3 ENTRY EER ROOM	14104110	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
25	MCL-3 ENTRY EER ROOM	14103951	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
26	MCL-3 ENTRY EER ROOM	14104079	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
27	MCL-3 ENTRY EER ROOM	14104129	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
28	MCL-3 ENTRY EER ROOM	14104124	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
29	MCL-3 ENTRY EER ROOM	14104166	S	4350 Psi	Aug-17	Aug-24	
30	MCL-3 ENTRY EER ROOM	14103941	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Entry EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL-3 ENTRY EER ROOM	14183954	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
32	MCL-3 ENTRY EER ROOM	14104569	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
33	MCL-3 ENTRY EER ROOM	14104529	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
34	MCL-3 ENTRY EER ROOM	14104583	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
35	MCL-3 ENTRY EER ROOM	14104568	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
36	MCL-3 ENTRY EER ROOM	14104016	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
37	MCL-3 ENTRY EER ROOM	14103981	S	4350 Psi	Aug-17	Oct-22	
38	MCL-3 ENTRY EER ROOM	14104252	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
39	MCL-3 ENTRY EER ROOM	14104294	S	4350 Psi	Aug-17	Aug-24	
40	MCL-3 ENTRY EER ROOM	14104084	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
41	MCL-3 ENTRY EER ROOM	14104786	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
42	MCL-3 ENTRY EER ROOM	141071912	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
43	MCL-3 ENTRY EER ROOM	14104160	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
44	MCL-3 ENTRY EER ROOM	14104273	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
45	MCL-3 ENTRY EER ROOM	14104268	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
46	MCL-3 ENTRY EER ROOM	14104024	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
47	MCL-3 ENTRY EER ROOM	14104253	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
48	MCL-3 ENTRY EER ROOM	14104101	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
49	MCL-3 ENTRY EER ROOM	14104247	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
50	MCL-3 ENTRY EER ROOM	14104035	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
51	MCL-3 ENTRY EER ROOM	14104142	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
52	MCL-3 ENTRY EER ROOM	14104032	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
53	MCL-3 ENTRY EER ROOM	14104138	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
54	MCL-3 ENTRY EER ROOM	14104157	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
55	MCL-3 ENTRY EER ROOM	14104264	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
56	MCL-3 ENTRY EER ROOM	14104002	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
57	MCL-3 ENTRY EER ROOM	14103977	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
58	MCL-3 ENTRY EER ROOM	13607784	S	112 Psi (Pilot)	Aug-17		over pressure, ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Port EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 PORT EER ROOM	14104037	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 PORT EER ROOM	14104036	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 PORT EER ROOM	14104270	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL 3 PORT EER ROOM	14104281	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 PORT EER ROOM	14103980	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 PORT EER ROOM	14104081	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL 3 PORT EER ROOM	14104287	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
8	MCL 3 PORT EER ROOM	14104544	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL 3 PORT EER ROOM	14104210	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL 3 PORT EER ROOM	14104284	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL 3 PORT EER ROOM	14104254	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL 3 PORT EER ROOM	14104164	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL 3 PORT EER ROOM	14104012	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL 3 PORT EER ROOM	14104060	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL 3 PORT EER ROOM	14104139	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
16	MCL 3 PORT EER ROOM	14104000	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
17	MCL 3 PORT EER ROOM	14104010	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
18	MCL 3 PORT EER ROOM	14104004	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
19	MCL 3 PORT EER ROOM	14104080	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
20	MCL 3 PORT EER ROOM	14104752	S	4350 Psi	Aug-17	Oct-25	
21	MCL 3 PORT EER ROOM	14103915	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
22	MCL 3 PORT EER ROOM	14104785	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
23	MCL 3 PORT EER ROOM	13688607	S	100 bar (Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Exit EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 EXIT EER ROOM	14104149	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 EXIT EER ROOM	14104091	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 EXIT EER ROOM	14104099	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL 3 EXIT EER ROOM	14104007	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 EXIT EER ROOM	14104262	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 EXIT EER ROOM	14104289	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL 3 EXIT EER ROOM	14103949	S	4350 Psi	Aug-17	Oct-25	
8	MCL 3 EXIT EER ROOM	14104293	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL 3 EXIT EER ROOM	14104028	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL 3 EXIT EER ROOM	14104031	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL 3 EXIT EER ROOM	14104019	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL 3 EXIT EER ROOM	14071139	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL 3 EXIT EER ROOM	14056469	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL 3 EXIT EER ROOM	14056611	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL 3 EXIT EER ROOM	14104577	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
16	MCL 3 EXIT EER ROOM	14071800	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
17	MCL 3 EXIT EER ROOM	14104797	S	4350 Psi	Aug-17	Mar-24	
18	MCL 3 EXIT EER ROOM	14104905	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
19	MCL 3 EXIT EER ROOM	14104909	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
20	MCL 3 EXIT EER ROOM	14056837	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
21	MCL 3 EXIT EER ROOM	14071192	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
22	MCL 3 EXIT EER ROOM	14071148	S	4350 Psi	Aug-17	Oct-22	
23	MCL 3 EXIT EER ROOM	14104034	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
24	MCL 3 EXIT EER ROOM	14104027	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
25	MCL 3 EXIT EER ROOM	14104025	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
26	MCL 3 EXIT EER ROOM	14103193	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
27	MCL 3 EXIT EER ROOM	14104045	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
28	MCL 3 EXIT EER ROOM	14104130	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
29	MCL 3 EXIT EER ROOM	14104111	S	4350 Psi	Aug-17	Mar-24	
30	MCL 3 EXIT EER ROOM	14104235	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Exit EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL 3 EXIT EER ROOM	14104192	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
32	MCL 3 EXIT EER ROOM	14104083	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
33	MCL 3 EXIT EER ROOM	14104001	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
34	MCL 3 EXIT EER ROOM	14104552	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
35	MCL 3 EXIT EER ROOM	14071980	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
36	MCL 3 EXIT EER ROOM	14104017	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
37	MCL 3 EXIT EER ROOM	14104211	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
38	MCL 3 EXIT EER ROOM	14104216	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
39	MCL 3 EXIT EER ROOM	14104230	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
40	MCL 3 EXIT EER ROOM	14104255	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
41	MCL 3 EXIT EER ROOM	14104259	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
42	MCL 3 EXIT EER ROOM	14071913	S	4350 Psi	Aug-17	Oct-25	
43	MCL 3 EXIT EER ROOM	14104267	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
44	MCL 3 EXIT EER ROOM	14103922	S	4350 Psi	Aug-17	Oct-22	
45	MCL 3 EXIT EER ROOM	13607776	S	100 (Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL THAILAND(MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 MV EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 MV EER ROOM	14103923	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 MV EER ROOM	14103928	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 MV EER ROOM	14103950	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL 3 MV EER ROOM	14104102	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 MV EER ROOM	14103934	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 MV EER ROOM	14103929	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL 3 MV EER ROOM	14071861	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
8	MCL 3 MV EER ROOM	14071493	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL 3 MV EER ROOM	14104557	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL 3 MV EER ROOM	14104542	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL 3 MV EER ROOM	14104561	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL 3 MV EER ROOM	14056466	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL 3 MV EER ROOM	14104517	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL 3 MV EER ROOM	14056636	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL 3 MV EER ROOM	14104248	S	4350 Psi	Aug-17	Oct-22	
16	MCL 3 MV EER ROOM	U8/1UT	S	100 bar(Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 PLC & Computor Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 PLC & COMPUTOR ROOM	14103988	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 PLC & COMPUTOR ROOM	14104766	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 PLC & COMPUTOR ROOM	14104757	US	0 Psi	Aug-17		ควรนำไป Hydro test และ Refill, low pressure
4	MCL 3 PLC & COMPUTOR ROOM	14104907	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 PLC & COMPUTOR ROOM	14104758	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 PLC & COMPUTOR ROOM	U8/2UT	S	100 bar(Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: No. 14104757 low pressure = 1 ถัง

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST INERGEN SYSTEM

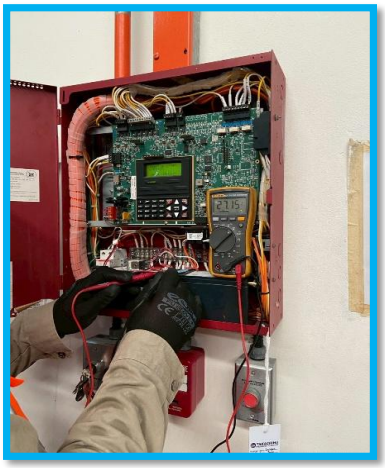


Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

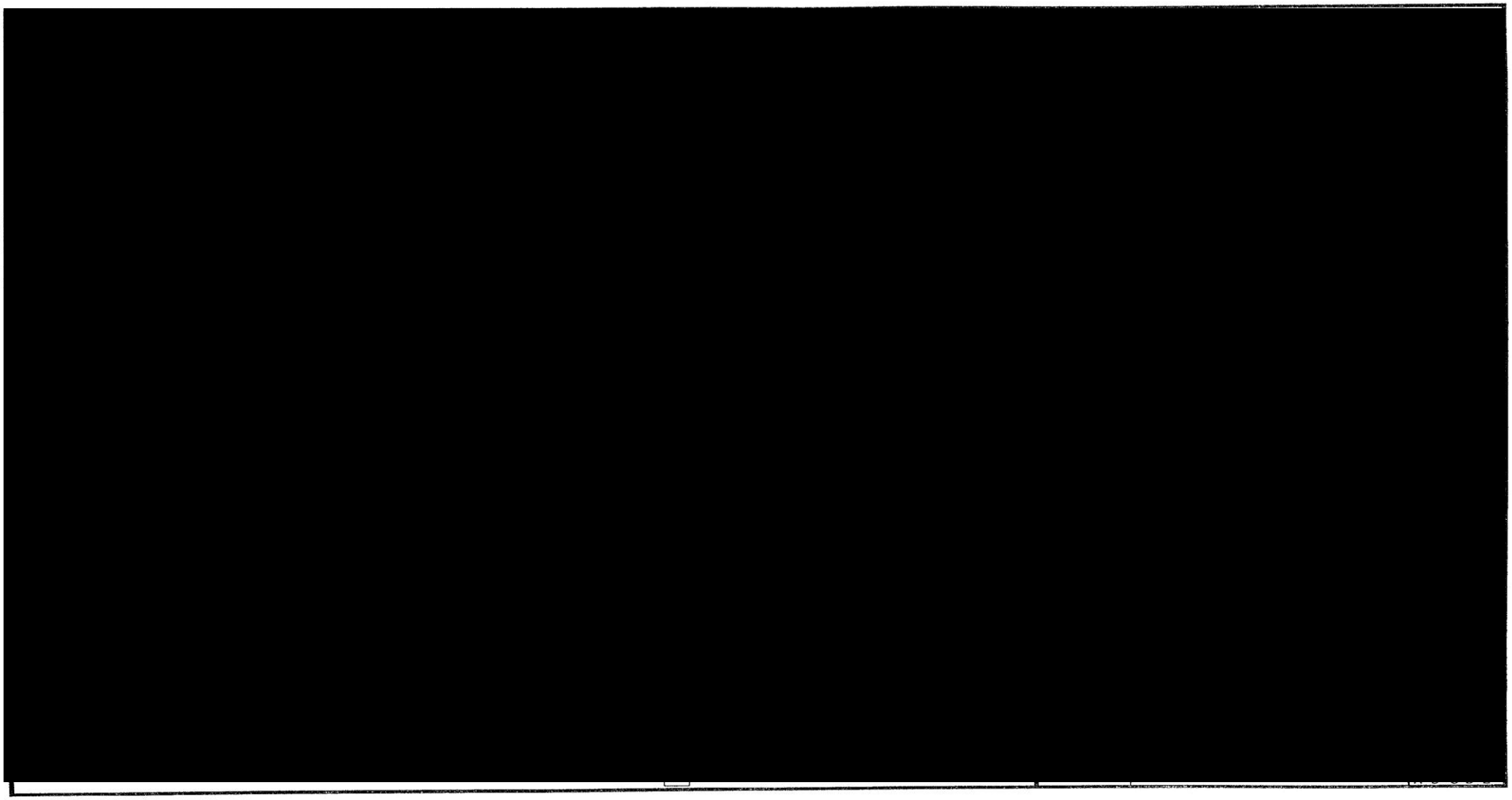
Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DELUGE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

SYSTEM COMPONENTS



TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR DELUGE SYSTEM

1 Spray Nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. Pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

4 Gauges : Note condition of gauges. Record water pressure (PSI)

5 Flow Test : Conduct full flow test. Assure system operates properly and record operation time.

6 Deluge Valve : Internal inspect deluge or preaction valve. Verify that all components operate, properly, move freely and in good condition. If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe un der " Remark "

7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

8 Deluge Supervisory Panel and equipments appear operation. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

AUTOMATIC SPRINKLER SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR AUTOMATIC SPRINKLER SYSTEM(WET PIPE)

1 Sprinkler nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no obstructions, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
4 Gauges : Note condition of gauges. Record water pressure (PSI)	
5 Flow Test : Conduct full flow test at test valve for ensure alarm gong or pressure switch work properly in alarm function	
6 Alarm Valve: Internal inspect alarm valve. Verify that all components to proper operate ,move freely and in good condition If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under "remark"	S
7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S
8 Main drain valve: check main drain valve are in close position and no leak	
9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S

Inspector By: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **28 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL-3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
1	DV-LISTED ZONE. 1	MCL 3 . BC33	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	N/A	
2	DV-LISTED ZONE. 2	MCL 3. BE33	N/A	N/A	S	150	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
3	DV-LISTED ZONE. 3	MCL 3 .BC31	N/A	N/A	S	150	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
4	DV-LISTED ZONE. 4	MCL 3 .BE29	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
5	DV-LISTED ZONE. 5	MCL 3 .BC27	N/A	N/A	S	160	175	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-1 Pressure gauge ด้านบนรั่วซึม ด้านล่างรั่วซึม
DV-2 Pressure gauge ด้านบนรั่วซึม ด้านล่างรั่วซึม
DV-5 Pressure gauge ด้านล่างรั่วซึม
DV-3 Pressure gauge ด้านล่างรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **28 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL-3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
6	DV-LISTED ZONE. 6	MCL 3 .BE26	N/A	N/A	S	150	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
7	DV-LISTED ZONE. 7	MCL 3 .BC21	N/A	N/A	S	150	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
8	DV-LISTED ZONE. 8	MCL 3 .BE21	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
9	DV-LISTED ZONE. 9	MCL 3 .BC19	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	N/A	
10	DV-LISTED ZONE. 10	MCL 3 .BE19	N/A	N/A	S	150	175	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-6 Pressure gauge ด้านล่างรั่วซึม
DV-8 Pressure gauge ด้านล่างรั่วซึม
DV-7 Pressure gauge ด้านล่างรั่วซึม ด้านบนรั่วซึม
DV-9 Pressure gauge ด้านล่างรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **28 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL 3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
11	DV-LISTED ZONE. 11	MCL 3 .BC13	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	N/A	
12	DV-LISTED ZONE. 12	MCL 3 .BE12	N/A	N/A	S	155	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
13	DV-LISTED ZONE. 13	MCL 3 .BC10	N/A	N/A	S	165	170	N/A	N/A	N/A	S	S	S	S	S	N/A	
14	DV-LISTED ZONE. 14	MCL 3 .BE10	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
15	DV-LISTED ZONE. 15	MCL 3 .BC5	N/A	N/A	S	155	150	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-11 Pressure gauge ด้านบนรั่วซึม
DV-12 Pressure gauge ด้านบนรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **28 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL 3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
16	DV-LISTED ZONE. 16	MCL 3 .BF5	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
17	DV-LISTED ZONE. 17	MCL 3 .BD4	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
18	DV-LISTED ZONE. 18	MCL 3 .BH5	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
19	DV-LISTED ZONE. 19	MCL 3 .BH4	N/A	N/A	S	150	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
20	DV-LISTED ZONE. 20	MCL 3 .BI5	N/A	N/A	S	155	160	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-18 Pressure gauge ด้านล่างรั่วซึม
DV-20 Pressure gauge ด้านล่างรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **28 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
21	DV-LISTED ZONE. 21	MCL 3 .BI4	N/A	N/A	S	150	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
22	DV-LISTED ZONE. 22	MCL 3 .OP105	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
23	DV-LISTED ZONE. 23	MCL 3 .OP109	N/A	N/A	S	160	170	N/A	N/A	N/A	S	S	S	S	S	N/A	
24	AV-LISLED NO.1	WEST WATER	N/A	N/A	S	155	170	N/A	N/A	S	S	S	S	S	S	N/A	
25	AV-LISLED NO.2	EGD.& POT PULPIT	N/A	N/A	S	160	165	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :
DV-21 Pressure gauge ด้านล่างรั่วซึม
DV-23 Pressure gauge ด้านบนรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **28 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
26	AV-LISTED NO. 3	COATOR PULPIT	N/A	N/A	S	155	165	N/A	N/A	S	S	S	S	S	S	N/A	
27	AV-LISTED NO. 4	Gamling area	N/A	N/A	S	145	160	N/A	N/A	S	S	S	S	S	S	N/A	
28	AV-LISTED NO. 5	Gamling area	N/A	N/A	S	155	165	N/A	N/A	S	S	S	S	S	S	N/A	
29	AV-LISTED NO. 6	ENTRY WASH	N/A	N/A	S	155	200	N/A	N/A	S	S	S	S	S	S	N/A	
30	AV-LISTED NO. 7	LAB&PROCESS	N/A	N/A	S	155	180	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **28 April 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
31	AV-LISTED NO. 8	MCL 3 .OP 122	N/A	N/A	S	155	175	N/A	N/A	S	S	S	S	S	S	N/A	ไม่มี Relief Valve
32	AV-LISTED NO. 9	MCL 3 .Fire Pump	N/A	N/A	S	155	170	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Water spray)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Coater Room / Local / Fire Fighting System Control Panal

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	N/A	
1.2 Check condition of Lamp & LEDs	S	N/A	
1.3 Check power supply for FCP and battery	S	N/A	
1.4 Check cable connection / terminal	S	N/A	
1.5 Check Alarm Condition / Function Test	S	N/A	
1.6 Visual check condition of battery and housing of battery	S	N/A	
1.7 Cleaning of FCP	S	N/A	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	N/A	
2.2 Cross zone function test of detector	S	N/A	
2.3 Check condition of all manual release	S	N/A	
2.4 Check condition of solenoid and function test	S	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	N/A	
2.7 Visual check slector valve and function test	S	N/A	
2.8 Check condition of all alarm device and tested	S	N/A	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check the container pressure gauges for operation pressure.	N/A	N/A	
3.4 Check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Power supply 231.4 VAC.
Charger 27.62 VDC.
Battery 27.58 VDC.

* Function test manual ไม่มีสัญญาณ alarm ส่งไปที่ตู้ control fire alarm

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Water spray)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 28 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Coater Room / Local / Fire Fighting System Control Panal

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	Coater Room Fl.1	ZONE.2-1	Flame Detector	N/A	N/A	
2	Coater Room Fl.1	ZONE.2-1	Flame Detector	N/A	N/A	
3	Coater Room Fl.1	ZONE.2-1	Flame Detector	N/A	N/A	
4	Coater Room Fl.1	ZONE.2-1	Flame Detector	N/A	N/A	
5	Coater Room Fl.1	ZONE.2-1	Manual Release	N/A	N/A	
6	Coater Room Fl.1	ZONE.2-1	Manual Release	N/A	N/A	
7	Coater Room Fl.1	ZONE.2-1	Manual Release	N/A	N/A	
8	Coater Room Fl.1	ZONE.2-1	Pressure SW.	N/A	N/A	
9	Coater Room Fl.1	ZONE.2-1	Alarm Horn	N/A	N/A	
10	Coater Room Fl.1	ZONE.2-1	Section Valve	N/A	N/A	
11	Coater Room Fl.2	ZONE.2-2	Flame Detector	N/A	N/A	
12	Coater Room Fl.2	ZONE.2-2	Flame Detector	N/A	N/A	
13	Coater Room Fl.2	ZONE.2-2	Flame Detector	N/A	N/A	
14	Coater Room Fl.2	ZONE.2-2	Flame Detector	N/A	N/A	
15	Coater Room Fl.2	ZONE.2-2	Manual Release	N/A	N/A	
16	Coater Room Fl.2	ZONE.2-2	Manual Release	N/A	N/A	
17	Coater Room Fl.2	ZONE.2-2	Manual Release	N/A	N/A	
18	Coater Room Fl.2	ZONE.2-2	Pressure SW.	N/A	N/A	
19	Coater Room Fl.2	ZONE.2-2	Alarm Horn	N/A	N/A	
20	Coater Room Fl.2	ZONE.2-2	Section Valve	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : - Flame detector (Mode auto) Alarm 1 ตัว section valve ทำงานทันที ระบบ shut down ทำงาน
- Flame detector (Mode auto) Alarm 1 ตัว section valve ไม่ทำงาน pump ไม่ทำงาน ระบบ shut down ทำงานปกติ
- Manual release (Mode auto) Alarm section valve ทำงาน pump ทำงาน ระบบ shut down ไม่ทำงาน
- Manual release (Mode manual) Alarm section valve ทำงาน pump ทำงาน ระบบ shut down ไม่ทำงาน

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST AUTOMATIC SPRINKLER SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand)
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HYDRANT SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 28 April 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8		
		MCL-3	*MCL-3*	*MCL-3*	*MCL-3*	*MCL-3*	*MCL-3*	*MCL-3 Gamling*	*MCL-3 Gamling*		
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**US**	**S**	**S**		
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	-Cap	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: 1. Fire hydrant no.6 ท่อถูกกัดกร่อนเป็นสนิม

2. Fire hydrant no. 5 ยังไม่ได้เปิด main valve ใช้งาน

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HYDRANT SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand)
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE CABINET

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE CABINET

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Contractor Name: PM. Fire Protection System

Area : NS blue scope steel

Date : 28 April 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.4	NO.5								
		MCL-3	*MCL-3*								
Cabinet	- Corrosion	**S**	**S**								
	- Door	**S**	**S**								
	- Key lock	**S**	**S**								
support	- Corrosion	**S**	**S**								
	Condition	**S**	**S**								
hose	Coupling	**S**	**S**								
	Connector Locker	**S**	**S**								
	Seal condition	**S**	**S**								
	Hydrostatic test 300 psi size 1.5"	**N/A**	**N/A**								
	Hydrostatic test 300 psi size 2.5"	**มีสาย2เส้นหัวฉีด1**	**มีสาย2เส้นหัวฉีด1**								
nozzel	- Leakage	**S**	**S**								
	- Condition	**S**	**S**								
	- Corrosion	**S**	**S**								

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE CABINET SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand)
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 28 April 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9	
		MCL-3 BC30	*MCL-3 BC25*	*MCL-3 BC20*	*MCL-3 BC13*	*MCL-3 BC8*	*MCL-3 BC4*	*MCL-3 BI4*	*MCL-3 BE8*	*MCL-3 BE16*	
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	S	S	S	S	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzel	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 28 April 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.10	NO.11	NO.12	NO.13	NO.14	NO.15	NO.16	NO.17	NO.18	
		MCL-3 BE25	*MCL-3 BE34*	*MCL-3 West water*	*MCL-3 west water*	*MCL-3 Gamling*	*MCL-3 gamling*	*MCL-3 Gamling*	*MCL-3 Gamling*	*MCL-3 Gamling*	
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	S	S	S	S	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzle	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 28 April 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25			
		MCL-3 FL.1	*MCL-3 FL.2*	*MCL-3 FL.3*	*MCL-3 FL.4*	*MCL-3 FL.5*	*MCL-3 FL.6*	*MCL-3 FL.7*			
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Support	- Corrosion	S	S	S	S	S	S	S			
	Condition	S	S	S	S	S	S	S			
Component	Control valve condition	S	S	S	S	S	S	S			
	Connector Locker	S	S	S	S	S	S	S			
	Seal condition	S	S	S	S	S	S	S			
	Pipe system is in good condition	S	S	S	S	S	S	S			
	all hose and hose valve is in good condition	S	S	S	S	S	S	S			
Nozzle	- Leakage	S	S	S	S	S	S	S			
	- Condition	S	S	S	S	S	S	S			
	- Corrosion	S	S	S	S	S	S	S			

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE REEL SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Tel : 02-366 -9000 , FAX : 02-366-9090
www.tkfs.co.th

FIRE PUMP

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ENGINE FIRE PUMP SYSTEM NO.1

PROJECT NAME : BLUE SCOPE STEEL THAILAND (MCL 3) **LOCATION :** RAYONG ,THAILAND.

ENGINE BRAND	**JOHN DEERE**	MODEL	**6090HFC47**	SERIAL No.	**RG6090L130015**
RATING	**-**	SPEED	**1760**	RPM.	
PUMP BRAND	**PENTAIR**	MODEL	**8-491-18A**	SERIAL No.	**17-2508720**
FLOW RATE	**3000 GPM**	SUCTION DIA.	**12"**	DISCHARGE DIA.	**8"**
DESIGN PRESSURE	**125**	SPEED	**1760**	RPM.	
CONTROL PANEL BRAND	**FIRE TROL**	MODEL	**FTA1100-JL12N**	SERIAL No.	**1546968-01RE**
ELECTRICAL SYSTEM	**AC**	VOLTS.	**220**	GROUND	NEG

MONTHLY PREVENTATIVE MAINTENANCE

ENGINE

ITEM	DESCRIPTION	
1	WATER TEMPERATURE	176 °F
2	WATER LEVEL	Normal
3	OIL LEVEL	Normal
4	OIL PRESSURE	42 Psi
5	VOLTS. (CHARGING ALTERNATOR)	13.9 / 14.0
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	1753
8	HOUR RUNNING	40.5
9	FUEL LEVEL 3 / 4 OR 80%	85%
10	BATTERY ELECTROLYTE	Normal
11	CHECKED FOR WATER LEAK	Normal
12	CHECKED FOR FUEL LEAK	Normal
13	CHECKED FOR OIL LEAK	Normal
14	CLEANED	Normal

PUMP

ITEM	DESCRIPTION		
1	VISUAL CHECKED		Normal
2	BEARING TEMPERATURE		57/48 °C
3	DISCHARGE PRESSURE		150 Psi
4	SUCTION PRESSURE		0.5 Psi
5	NOISE		Normal
6	COUPLING		Normal
7	CHECKED FOR WATER LEAK	#	Normal
8	CHECKED PIPE & CONNECTOR		Normal
9	CHECKED PACKING SEAL	#	Normal
10	CHECKED FOR LUBRICATE		Normal
11	CHECKED FOR CORROSION		Normal
12	CLEANED		Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	CLEANED	Normal
2	LAMP TESTED	Normal
3	CHECKED POWER SUPPLY	Normal
4	BATTERY CHARGER	Normal

CONTROL PANEL(CONTINUE)

ITEM	DESCRIPTION	
5	VOLTS. (CHARGER) BATT.1 / BATT.2	N/A
6	AMP.(CHARGER) BATT.1 / BATT.2	N/A
7	CHECKED FOR CORROSION	Abnormal
8	START AT PRESSURE	120 Psi

RECOMMENDATION

*Check condition of pump and cleaning

*function test manual/auto the pump is working properly

* Replace spare part 27/6/24

Start using battery 2/7/24

* จอ Display สำหรับตู้ control engine fire pump อุปกรณ์เสีย (จอดำ)

Subin, Pattanasit, Somkid, Anuchit, Perakant

28-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR FIRE PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND (MCL3) **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	**MARATHON**	MODEL	**SF 449TSTFS14542AA W.**			SERIAL No.	**WAA111229**
RATING		SPEED	**1485**			RPM.	
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**	Hz.	**50**	AMP.	410
PUMP BRAND	**PENTAIR**	MODEL	**10-471-20B**			SERIAL No.	**17-2517080**
FLOW RATE	**3000 GPM**	SUCTION DIA.	**12"**			DISCHARGE DIA.	**10"**
DESIGN PRESSURE		SPEED				RPM.	
CONTROL PANEL BRAND	**FIRE TROL**	MODEL	**FTA1300-AM300FZ**			SERIAL No.	**1547587-01RE**
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**			GROUND	NEG.

MONTHLY PREVENTATIVE MAINTENANCE

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	Normal
3	VOLTS	387 / 379 / 383
4	AMP.	300 / 296 / 239
5	SPEED RUNNING (RPM.)	1493
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	33/33 °C
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0.2 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	130 Psi

RECOMMENDATION

Check condition of pump and cleaning

*function test manual/auto the pump is working properly

Subin, Pattanasit, Somkid, Anuchit, Perakant

28-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR JOCKEY PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND (MCL 3) **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	**WEG**	MODEL	**W21-AL112M-02**			SERIAL No.	**1035756327**
RATING		SPEED	**2870**			RPM.	
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**	Hz.	**50**	AMP.	**8.18**
PUMP BRAND	**PENTAIR**	MODEL	**PVMI5-22-F-TI1-50**			SERIAL No.	**211000275-1/1**
FLOW RATE	**2.5-8.5 m3/h**	SUCTION DIA.	**1 1/2"**			DISCHARGE DIA.	**1 1/2"**
DESIGN PRESSURE	**142-69 m**	SPEED	**2900**			RPM.	
CONTROL PANEL BRAND	**FIRE TROL**	MODEL				SERIAL No.	
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**			GROUND	**NEG**

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	32 °C
3	VOLTS	392 / 385 / 385
4	AMP	5.7 / 6.1 / 5.4
5	SPEED RUNNING (RPM.)	2940
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	Normal
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0.4 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	135 Psi
	CUT OFF	150 Psi

RECOMMENDATION

Check condition of pump and cleaning

*function test manual/auto the pump is working properly

* Check valve ขนาด 2" line discharge ข้อต่อเกลียวมีน้ำรั่วซึมถูกกัดกร่อนเป็นสนิม

Subin, Pattanasit, Somkid, Anuchit, Perakant

28-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE PUMP SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

PORTABLE FIRE EXTINGUISHERS SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
1	1	Dry chemical/10 lb	Sunto	MCL3 OP 122/BJ 4	S	S	S	N/A	S	195 PSI	2018/01		8	
2	2	Dry chemical/10 lb	Sunto	MCL3 BH 4	S	S	S	N/A	S	195 PSI	2018/01		8	
3	3	Dry chemical/10 lb	Sunto	MCL3 BG 4	S	S	S	N/A	S	195 PSI	2018/01		8	
4	4	Dry chemical/10 lb	Sunto	MCL3 BE 4	S	S	S	N/A	S	195 PSI	2018/01		8	
5	5	Dry chemical/10 lb	Sunto	MCL3 OP126/ BJ 5	S	S	S	N/A	S	195 PSI	2018/01		8	
6	6	Dry chemical/10 lb	Sunto	MCL3 BH 5	S	S	S	N/A	S	195 PSI	2018/01		8	
7	7	Dry chemical/10 lb	Sunto	MCL3 BE 6	S	S	S	N/A	S	195 PSI	2018/01		8	
8	8	Dry chemical/10 lb	Sunto	MCL3 WEST LAB ROOM	S	S	S	N/A	S	195 PSI	2018/01		8	
9	9	Dry chemical/10 lb	Sunto	MCL3 BE 8	S	S	S	N/A	S	195 PSI	2018/01		8	
10	10	Dry chemical/10 lb	Sunto	MCL3 OP 127/BE 10	S	S	S	N/A	S	195 PSI	2018/01		8	
11	11	Dry chemical/10 lb	Sunto	MCL3 BE 11 / OP 129	S	S	S	N/A	S	195 PSI	2018/01		8	
12	12	Dry chemical/10 lb	Sunto	MLC3 PORT PS / PIT RM.	S	S	S	N/A	S	195 PSI	2018/01		8	
13	13	Dry chemical/10 lb	Sunto	MCL3 BE 12	S	S	S	N/A	S	195 PSI	2018/01		8	
14	14	Dry chemical/10 lb	Sunto	MCL3 BE 16	S	S	S	N/A	S	0 PSI	2018/01		8	Low pressure
15	15	Dry chemical/10 lb	Sunto	MCL3 POT CELLAR	S	S	S	N/A	S	195 PSI	2018/01		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
16	16	Dry chemical/10 lb	Sunto	MCL3 OP 131	S	S	S	N/A	S	195 PSI	2018/01		8	
17	17	Dry chemical/10 lb	Sunto	MCL3 BE 19	S	S	S	N/A	S	195 PSI	2018/01		8	
18	18	Dry chemical/10 lb	Sunto	MCL3 OP 132	S	S	S	N/A	S	195 PSI	2018/01		8	
19	19	Dry chemical/10 lb	Sunto	MCL3 BE 24	S	S	S	N/A	S	195 PSI	2018/01		8	
20	20	Dry chemical/10 lb	Sunto	MCL3 MEETING Room.	S	S	S	N/A	S	195 PSI	2018/01		8	
21	21	Dry chemical/10 lb	Sunto	MCL3 BE 27	S	S	S	N/A	S	195 PSI	2018/01		8	
22	22	Dry chemical/10 lb	Sunto	MCL3 ENTRY PULPIT	S	S	S	N/A	S	195 PSI	2018/01		8	
23	23	Dry chemical/10 lb	Sunto	MCL3 OP 134	S	S	S	N/A	S	195 PSI	2018/01		8	
24	24	Dry chemical/10 lb	Sunto	MCL3 BE 31	S	S	S	N/A	S	195 PSI	2018/01		8	
25	25	Dry chemical/10 lb	Sunto	MCL3 BE 32	S	S	S	N/A	S	195 PSI	2018/01		8	
26	26	Dry chemical/10 lb	Sunto	MCL3 OP 135/BE 34	S	S	S	N/A	S	195 PSI	2018/01		8	
27	27	Dry chemical/10 lb	Sunto	MCL3 OP 136/ OP 94	S	S	S	N/A	S	195 PSI	2018/01		8	
28	28	Dry chemical/10 lb	Sunto	MCL3 BC 34 / OP 95	S	S	S	N/A	S	195 PSI	2018/01		8	
29	29	Dry chemical/10 lb	Sunto	MCL3 BC 32	S	S	S	N/A	S	195 PSI	2018/01		8	
30	30	Dry chemical/10 lb	Sunto	MCL3 BC 31	S	S	S	N/A	S	195 PSI	2018/01		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
31	31	Dry chemical/10 lb	Sunto	MCL3 WWT / BC 28	S	S	S	N/A	S	195 PSI	2018/01		8	
32	32	Dry chemical/10 lb	Sunto	MCL3 AIR COM / BC 26	S	S	S	N/A	S	195 PSI	2018/01		8	
33	33	Dry chemical/10 lb	Sunto	MCL3 WWT / TK 2	S	S	S	N/A	S	195 PSI	2018/01		8	
34	34	Dry chemical/10 lb	Sunto	MCL3 WEST WATER	S	S	S	N/A	S	195 PSI	2018/01		8	
35	35	Dry chemical/10 lb	Sunto	MCL3 WEST WATER	S	S	S	N/A	S	195 PSI	2018/01		8	
36	36	Dry chemical/10 lb	Sunto	MCL3 WEST WATER	S	S	S	N/A	S	195 PSI	2018/01		8	
37	37	Dry chemical/10 lb	Sunto	MCL3 WEST WATER	S	S	S	N/A	S	195 PSI	2018/01		8	
38	38	Dry chemical/10 lb	Sunto	MCL3 WEST WATER	S	S	S	N/A	S	195 PSI	2018/01		8	
39	39	Dry chemical/10 lb	Sunto	MCL3 WEST WATER	S	S	S	N/A	S	195 PSI	2018/01		8	
40	40	Dry chemical/10 lb	Sunto	MCL3 BC 24	S	S	S	N/A	S	195 PSI	2018/01		8	
41	41	Dry chemical/10 lb	Sunto	MCL3 OP 98	S	S	S	N/A	S	195 PSI	2018/01		8	
42	42	Dry chemical/10 lb	Sunto	MCL3 TX-02 Transformer	S	S	S	N/A	S	195 PSI	2018/01		8	
43	43	Dry chemical/10 lb	Sunto	MCL3 TX-01 Transformer	S	S	S	N/A	S	195 PSI	2018/01		8	
44	44	Dry chemical/10 lb	Sunto	MCL3 TX-01 Transformer	S	S	S	N/A	S	195 PSI	2018/01		8	
45	45	Dry chemical/10 lb	Sunto	MCL3 BC 20	S	S	S	N/A	S	195 PSI	2018/01		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
46	46	Dry chemical/10 lb		MCL3 BC 20	S	S	S	N/A	S	195 PSI	2018/01		8	
47	47	Dry chemical/10 lb	Sunto	MCL3 BC 18	S	S	S	N/A	S	195 PSI	2018/01		8	
48	48	Dry chemical/10 lb	Sunto	MCL3 OP 102	S	S	S	N/A	S	195 PSI	2018/01		8	
49	49	Dry chemical/10 lb	Sunto	MCL3 OP 104	S	S	S	N/A	S	195 PSI	2018/01		8	
50	50	Dry chemical/10 lb	Sunto	MCL3 IN GOT/BC 15	S	S	S	N/A	S	195 PSI	2018/01		8	
51	51	Dry chemical/10 lb	Sunto	MCL3 IN GOT/BC 14	S	S	S	N/A	S	195 PSI	2018/01		8	ป้ายชำรุด
52	52	Dry chemical/10 lb	Sunto	MCL3 IN GOT/OP 109	S	S	S	N/A	S	195 PSI	2018/01		8	
53	53	Dry chemical/10 lb	Sunto	MCL3 IN GOT/OP 106	S	S	S	N/A	S	195 PSI	2018/01		8	
54	54	Dry chemical/10 lb	Sunto	MCL3 IN GOT/OP 105	S	S	S	N/A	S	195 PSI	2018/01		8	
55	55	Dry chemical/10 lb	Sunto	MCL3 Main Pot Calla	S	S	S	N/A	S	195 PSI	2018/01		8	
56	56	Dry chemical/10 lb	Sunto	MCL3 Main Pot Calla	S	S	S	N/A	S	195 PSI	2018/01		8	
57	57	Dry chemical/10 lb	Sunto	MCL3 Generator room	S	S	S	N/A	S	195 PSI	2018/01		8	
58	58	Dry chemical/10 lb	Sunto	MCL3 Generator room	S	S	S	N/A	S	195 PSI	2018/01		8	
59	59	Dry chemical/10 lb	Sunto	MCL3 TX-07 Transformer	S	S	S	N/A	S	195 PSI	2018/01		8	
60	60	Dry chemical/10 lb	Sunto	MCL3 Chemical store	S	S	S	N/A	S	195 PSI	2018/01		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
61	61	Dry chemical/10 lb	Sunto	MCL3 Chemical store	S	S	S	N/A	S	195 PSI	2018/01		8	
62	62	Dry chemical/10 lb	Sunto	MCL3 BC 10	S	S	S	N/A	S	195 PSI	2018/01		8	
63	63	Dry chemical/10 lb	Sunto	MCL3 COATOR FL.G	S	S	S	N/A	S	195 PSI	2018/01		8	
64	64	Dry chemical/10 lb	Sunto	MCL3 COATOR FL.1	S	S	S	N/A	S	195 PSI	2018/01		8	
65	65	Dry chemical/10 lb	Sunto	MCL3 STS FL.3	S	S	S	N/A	S	195 PSI	2018/01		8	
66	66	Dry chemical/10 lb	Sunto	MCL3 STS FL.4	S	S	S	N/A	S	195 PSI	2018/01		8	
67	67	Dry chemical/10 lb	Sunto	MCL3 STS FL.5	S	S	S	N/A	S	195 PSI	2018/01		8	
68	68	Dry chemical/50 lb	Sunto	MCL3 STS FL.5	S	S	S	N/A	S	195 PSI	2018/01		8	
69	69	Dry chemical/50 lb	Sunto	MCL3 STS FL.6	S	S	S	N/A	S	195 PSI	2018/01		8	
70	70	Dry chemical/50 lb	Sunto	MCL3 STS FL.7	S	S	S	N/A	S	195 PSI	2018/01		8	
71	71	Dry chemical/10 lb	Sunto	MCL3 STS FL.8	S	S	S	N/A	S	195 PSI	2018/01		8	
72	72	Dry chemical/10 lb	Sunto	MCL3 Exit FL.5	S	S	S	N/A	S	195 PSI	2018/01		8	
73	73	Dry chemical/50 lb	Sunto	MCL3 Exit FL.3	S	S	S	N/A	S	195 PSI	2018/01		8	
74	74	Dry chemical/10 lb	Sunto	MCL3 OP116	S	S	S	N/A	S	195 PSI	2018/01		8	
75	75	Dry chemical/10 lb	Sunto	MCL3 OP117	S	S	S	N/A	S	195 PSI	2018/01		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
76	76	Dry chemical/50 lb	Sunto	MCL3 RTO	S	S	S	N/A	S	195 PSI	2018/01		8	
77	77	Dry chemical/50 lb	Sunto	MCL3 TX-05 Transformer	S	S	S	N/A	S	195 PSI	2018/01		8	
78	78	Dry chemical/50 lb	Sunto	MCL3 Exit Inergen Tank	S	S	S	N/A	S	195 PSI	2018/01		8	
79	79	Dry chemical/10 lb	Sunto	MCL3 Exit Inergen Tank	S	S	S	N/A	S	195 PSI	2018/01		8	
80	80	Dry chemical/10 lb	Sunto	MCL3 OP 120	S	S	S	N/A	S	195 PSI	2018/01		8	
81	81	Dry chemical/10 lb	Sunto	MCL3 Fire Pump	S	S	S	N/A	S	195 PSI	2018/01		8	
82	82	Dry chemical/10 lb	Sunto	MCL3 Fire Pump	S	S	S	N/A	S	195 PSI	2018/01		8	
83	83	Dry chemical/10 lb	Sunto	MCL3 APC Section FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	
84	84	Dry chemical/10 lb	Sunto	MCL3 APC Section FL.3	S	S	S	N/A	S	195 PSI	2018/01		8	
85	85	Dry chemical/10 lb	Sunto	MCL3 APC Section FL.4	S	S	S	N/A	S	195 PSI	2018/01		8	
86	86	Dry chemical/10 lb	Sunto	MCL3 APC Section FL.5	S	S	S	N/A	S	195 PSI	2018/01		8	
87	87	Dry chemical/10 lb	Sunto	MCL3 APC Section FL.6	S	S	S	N/A	S	195 PSI	2018/01		8	
88	88	Dry chemical/10 lb	Sunto	MCL3 APC Section FL.7	S	S	S	N/A	S	195 PSI	2018/01		8	
89	89	Dry chemical/10 lb	Sunto	MCL3 APC Section FL.8	S	S	S	N/A	S	195 PSI	2018/01		8	
90	90	Dry chemical/10 lb	Sunto	MCL3 Furnace Section FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
91	91	Dry chemical/10 lb	Sunto	MCL3 Furnace Section FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	
92	92	Dry chemical/10 lb	Sunto	MCL3 Furnace Section FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	
93	93	Dry chemical/10 lb	Sunto	MCL3 Cleaning FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	
94	94	Dry chemical/10 lb	Sunto	MCL3 Cleaning FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	
95	95	Dry chemical/10 lb	Sunto	MCL3 Furnace Section FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	
96	96	Dry chemical/10 lb	Sunto	MCL3 Furnace Section FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	
97	97	Dry chemical/10 lb	Sunto	MCL3 Furnace Section FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	
98	98	Dry chemical/50 lb	Sunto	MCL3 Cleaning FL.1	S	S	S	N/A	S	195 PSI	2018/01		8	
99	99	Dry chemical/50 lb	Sunto	MCL3 Entry Section	S	S	S	N/A	S	195 PSI	2018/01		8	
100	100	Dry chemical/50 lb	Sunto	MCL3 Entry Section	S	S	S	N/A	S	195 PSI	2018/01		8	
101	101	Dry chemical/10 lb	Sunto	MCL3 STS FL.G	S	S	S	N/A	S	195 PSI	2018/01		8	
102	102	Dry chemical/10 lb	Sunto	MCL3 STS FL.G	S	S	S	N/A	S	195 PSI	2018/01		8	
103	103	Dry chemical/50 lb	Sunto	MCL3 Exit PulPit	S	S	S	N/A	S	195 PSI	2018/01		8	
104	104	Dry chemical/10 lb	Sunto	MCL3 Cooling	S	S	S	N/A	S	195 PSI	2018/01		8	
105	105	Dry chemical/10 lb	Sunto	MCL3 Gamling	S	S	S	N/A	S	195 PSI	2018/01		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location / Building Area	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressurere ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
106	106	Dry chemical/10 lb	Sunto	MCL3 STS FL.2	S	S	S	N/A	S	195 PSI	2018/01		8	
107	1	Foam	Sunto	MCL3 Chemical storage	S	S	S	N/A	US	0 PSI	2018/10		7	Low pressure
108	107	Dry chemical/10 lb	Sunto	Work Shop MCL3	S	S	S	N/A	S	195 PSI	-		-	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location / Building Area	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
1	Co2/4.5	Sunto	MCL3 OP122/ BJ4	S	S	S	12.5 Kg	12.48 Kg	0%	Jan-18		8	
2	Co2/4.5	Sunto	MCL3 BHG 4	S	S	S	12.5 Kg	12.56 Kg	0%	Jan-18		8	
3	Co2/4.5	Sunto	MCL3 BE 4	S	S	S	12.5 Kg	12.58 Kg	0%	Jan-18		8	
4	Co2/4.5	Sunto	MCL3 BH 4	S	S	S	12.5 Kg	12.60 Kg	0%	Jan-18		8	
5	Co2/4.5	Sunto	MCL3 OP126/ BJ 5	S	S	S	12.5 Kg	14.60 Kg	0%	Jan-18		8	
6	Co2/4.5	Sunto	MCL3 BH 5	S	S	S	12.5 Kg	11.90 Kg	0%	Jan-18		8	
7	Co2/4.5	Sunto	MCL3 BE 6	S	S	S	12.5 Kg	12.30 Kg	0%	Jan-18		8	
8	Co2/4.5	Sunto	MCL3 WEST LAB ROOM	S	S	S	12.5 Kg	12.20 Kg	0%	Jan-18		8	
9	Co2/4.5	Sunto	MCL3 BE 8	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
10	Co2/4.5	Sunto	MCL3 OP 127/BE 10	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	ไม่มีป้าย
11	Co2/4.5	Sunto	MCL3 BE 11 / OP 129	S	S	S	12.5 Kg	12.90 Kg	0%	Jan-18		8	
12	Co2/4.5	Sunto	MCL3 PORT PU / PIT RM.	S	S	S	12.5 Kg	12.22 Kg	0%	Jan-18		8	
13	Co2/4.5	Sunto	MCL3 BE 12	S	S	S	12.5 Kg	12.53 Kg	0%	Jan-18		8	
14	Co2/4.5	Sunto	MCL3 BE 16	S	S	S	12.5 Kg	12.60 Kg	0%	Jan-18		8	
15	Co2/4.5	Sunto	MCL3 POT CELLAR	S	S	S	12.5 Kg	12.70 Kg	0%	Jan-18		8	
16	Co2/4.5	Sunto	MCL3 OP 131	S	S	S	12.5 Kg	12.73 Kg	0%	Jan-18		8	
17	Co2/4.5	Sunto	MCL3 BE 19	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
18	Co2/4.5	Sunto	MCL3 OP 132	S	S	S	12.5 Kg	12.60 Kg	0%	Jan-18		8	
19	Co2/4.5	Sunto	MCL3 BE 24	S	S	S	12.5 Kg	12.00 Kg	0%	Jan-18		8	
20	Co2/4.5	Sunto	MCL3 MEETING Room.	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
21	Co2/4.5	Sunto	MCL3 BE 27	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
22	Co2/4.5	Sunto	MCL3 ENTRY PULPIT	S	S	S	12.5 Kg	12.58 kg	0%	Jan-18		8	
23	Co2/4.5	Sunto	MCL3 OP 134	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
24	Co2/4.5	Sunto	MCL3 BE 31	S	S	S	12.5 Kg	12.52 Kg	0%	Jan-18		8	
25	Co2/4.5	Sunto	MCL3 BE 32	S	S	S	12.5 Kg	12.41 Kg	0%	Jan-18		8	
26	Co2/4.5	Sunto	MCL3 OP 135/BE 34	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
27	Co2/4.5	Sunto	MCL3 OP 136/ OP 94	S	S	S	12.5 Kg	12.55 Kg	0%	Jan-18		8	
28	Co2/4.5	Sunto	MCL3 BC 34 / OP 95	S	S	S	12.5 Kg	12.77 Kg	0%	Jan-18		8	
29	Co2/4.5	Sunto	MCL3 BC 32	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
30	Co2/4.5	Sunto	MCL3 BC 31	S	S	S	12.5 Kg	12.58 Kg	0%	Jan-18		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location / Building Area	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
31	Co2/4.5	Sunto	MCL3 WWT / BC 25	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
32	Co2/4.5	Sunto	MCL3 AIR COM / BC 26	S	S	S	12.5 Kg	12.21 Kg	0%	Jan-18		8	
33	Co2/4.5	Sunto	MCL3 WWT / TK 2	S	S	S	12.5 Kg	12.41 Kg	0%	Jan-18		8	
34	Co2/4.5	Sunto	MCL3 WEST WATER	S	S	S	12.5 Kg	12.44 Kg	0%	Jan-18		8	
35	Co2/4.5	Sunto	MCL3 WEST WATER	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
36	Co2/4.5	Sunto	MCL3 WEST WATER	S	S	S	12.5 Kg	12.20 Kg	0%	Jan-18		8	
37	Co2/4.5	Sunto	MCL3 WEST WATER	S	S	S	12.5 Kg	12.23 Kg	0%	Jan-18		8	
38	Co2/4.5	Sunto	MCL3 WEST WATER	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
39	Co2/4.5	Sunto	MCL3 WEST WATER	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
40	Co2/4.5	Sunto	MCL3 EER Rm. WWT	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
41	Co2/4.5	Sunto	MCL3 BC 24	S	S	S	12.5 Kg	12.42 Kg	0%	Jan-18		8	
42	Co2/4.5	Sunto	MCL3 OP 98	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
43	Co2/4.5	Sunto	MCL3 Entry EER Rm.	S	S	S	12.5 Kg	12.55 Kg	0%	Jan-18		8	
44	Co2/4.5	Sunto	MCL3 Entry EER Rm.	S	S	S	12.5 Kg	12.65 Kg	0%	Jan-18		8	
45	Co2/4.5	Sunto	MCL3 Entry EER Rm.	S	S	S	12.5 Kg	12.60 Kg	0%	Jan-18		8	
46	Co2/4.5	Sunto	MCL3 Nitrogen Tank	S	S	S	12.5 Kg	11.72 Kg	0%	Jan-18		8	
47	Co2/4.5	Sunto	MCL3 tx-02 transformer	S	S	S	12.5 Kg	12.69 Kg	0%	Jan-18		8	
48	Co2/4.5	Sunto	MCL3 BC 20	S	S	S	12.5 Kg	12.73 Kg	0%	Jan-18		8	
49	Co2/4.5	Sunto	MCL3 BC 20	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
50	Co2/4.5	Sunto	MCL3 BC 18	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
51	Co2/4.5	Sunto	MCL3 OP 102	S	S	S	12.5 Kg	12.58 Kg	0%	Jan-18		8	
52	Co2/4.5	Sunto	MCL3 OP 104	S	S	S	12.5 Kg	12.58 Kg	0%	Jan-18		8	
53	Co2/4.5	Sunto	MCL3 IN GOT/BC 15	S	S	S	12.5 Kg	12.59 Kg	0%	Jan-18		8	
54	Co2/4.5	Sunto	MCL3 IN GOT/BC 14	S	S	S	12.5 Kg	12.63 Kg	0%	Jan-18		8	ป้ายชำรุด / ถังเป็นสนิม
55	Co2/4.5	Sunto	MCL3 IN GOT/OP 109	S	S	S	12.5 Kg	12.64 Kg	0%	Jan-18		8	
56	Co2/4.5	Sunto	MCL3 IN GOT/OP 106	S	S	S	12.5 Kg	12.68 Kg	0%	Jan-18		8	
57	Co2/4.5	Sunto	MCL3 IN GOT/OP 105	S	S	S	12.5 Kg	12.48 Kg	0%	Jan-18		8	
58	Co2/4.5	Sunto	MCL3 Main Pot	S	S	S	12.5 Kg	12.61 Kg	0%	Jan-18		8	
59	Co2/4.5	Sunto	MCL3 Main Pot	S	S	S	12.5 Kg	12.38 Kg	0%	Jan-18		8	
60	Co2/4.5	Sunto	MCL3 Pot EER Room.	S	S	S	12.5 Kg	12.64 Kg	0%	Jan-18		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location / Building Area	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
61	Co2/4.5	Sunto	MCL3 Pot EER Room.	S	S	S	12.5 Kg	12.77 Kg	0%	Jan-18		8	ไม่มีป้าย
62	Co2/4.5	Sunto	MCL3 Generator room	S	S	S	12.5 Kg	12.63 Kg	0%	Jan-18		8	
63	Co2/4.5	Sunto	MCL3 Generator room	S	S	S	12.5 Kg	12.63 Kg	0%	Jan-18		8	
64	Co2/4.5	Sunto	MCL3 tx-07 transformer	S	S	S	12.5 Kg	12.58 Kg	0%	Jan-18		8	
65	Co2/4.5	Sunto	MCL3 Chemical Store	S	S	S	12.5 Kg	12.73 Kg	0%	Jan-18		8	
66	Co2/4.5	Sunto	MCL3 Chemical Store	S	S	S	12.5 Kg	12.87 Kg	0%	Jan-18		8	
67	Co2/4.5	Sunto	MCL3 BC 10	S	S	S	12.5 Kg	12.77 Kg	0%	Jan-18		8	
68	Co2/4.5	Sunto	MCL3 COATOR Room.	S	S	S	12.5 Kg	12.51 Kg	0%	Jan-18		8	
69	Co2/4.5	Sunto	MCL3 COATOR Room.	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
70	Co2/4.5	Sunto	MCL3 STS FL.3	S	S	S	12.5 Kg	12.58 Kg	0%	Jan-18		8	
71	Co2/4.5	Sunto	MCL3 STS FL.4	S	S	S	12.6 Kg	12.59 Kg	0%	Jan-18		8	
72	Co2/4.5	Sunto	MCL3 STS FL.5	S	S	S	12.5 Kg	12.57 Kg	0%	Jan-18		8	
73	Co2/4.5	Sunto	MCL3 STS FL.8	S	S	S	12.5 Kg	12.56 Kg	0%	Jan-18		8	
74	Co2/4.5	Sunto	MCL3 Exit FL.5	S	S	S	12.5 Kg	12.55 Kg	0%	Jan-18		8	
75	Co2/4.5	Sunto	MCL3 Exit FL.3	S	S	S	12.5 Kg	12.22 Kg	0%	Jan-18		8	
76	Co2/4.5	Sunto	MCL3 OP 116	S	S	S	12.5 Kg	12.51 Kg	0%	Jan-18		8	
77	Co2/4.5	Sunto	MCL3 OP 117	S	S	S	12.5 Kg	12.55 Kg	0%	Jan-18		8	
78	Co2/4.5	Sunto	MCL3 Exit EER	S	S	S	12.5 Kg	12.80 Kg	0%	Jan-18		8	
79	Co2/4.5	Sunto	MCL3 Exit EER	S	S	S	12.5 Kg	12.63 Kg	0%	Jan-18		8	
80	Co2/4.5	Sunto	MCL3 OP 118	S	S	S	12.5 Kg	12.55 Kg	0%	Jan-18		8	
81	Co2/4.5	Sunto	MCL3 Exit PLC room	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
82	Co2/4.5	Sunto	MCL3 Exit PLC room	S	S	S	12.5 Kg	12.62 Kg	0%	Jan-18		8	
83	Co2/4.5	Sunto	MCL3 Exit PLC room	S	S	S	12.5 Kg	12.52 Kg	0%	Jan-18		8	
84	Co2/4.5	Sunto	MCL3 RTO	S	S	S	12.5 Kg	12.67 Kg	0%	Jan-18		8	
85	Co2/4.5	Sunto	MCL3 tx-05 transformer	S	S	S	12.5 Kg	12.61 Kg	0%	Jan-18		8	
86	Co2/4.5	Sunto	MCL3 OP 120	S	S	S	12.5 Kg	12.30 Kg	0%	Jan-18		8	
87	Co2/4.5	Sunto	MCL3 Fire Pump	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
88	Co2/4.5	Sunto	MCL3 Fire Pump	S	S	S	12.5 Kg	12.48 Kg	0%	Jan-18		8	
89	Co2/4.5	Sunto	MCL3 APC Section FL.2	S	S	S	12.5 Kg	12.55 Kg	0%	Jan-18		8	
90	Co2/4.5	Sunto	MCL3 APC Section FL.3	S	S	S	12.5 Kg	12.53 Kg	0%	Jan-18		8	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 Portable Fire Extinguisher

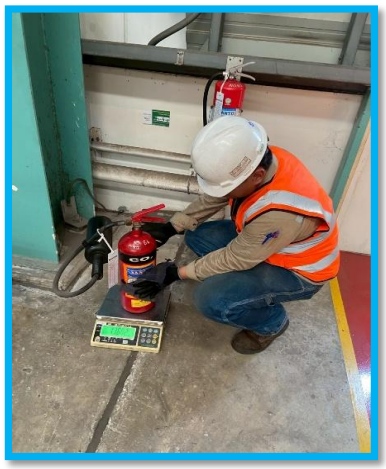
Client : NS BLUE SCOPE STEEL THAILAND
REF. Contract NO : SC1000320
Inspection Date : 29 April 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop
Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location / Building Area	Hose and Nozzle is Unobstructed	Seal Wire is intact	Physical	STD Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
91	Co2/4.5	Sunto	MCL3 APC Section FL.4	S	S	S	12.5 Kg	12.55 Kg	0%	Jan-18		8	
92	Co2/4.5	Sunto	MCL3 APC Section FL.5	S	S	S	12.5 Kg	12.56 Kg	0%	Jan-18		8	
93	Co2/4.5	Sunto	MCL3 APC Section FL.6	S	S	S	12.5 Kg	12.61 Kg	0%	Jan-18		8	
94	Co2/4.5	Sunto	MCL3 APC Section FL.7	S	S	S	12.5 Kg	12.63 Kg	0%	Jan-18		8	
95	Co2/4.5	Sunto	MCL3 APC Section FL.8	S	S	S	12.5 Kg	12.30 Kg	0%	Jan-18		8	
96	Co2/4.5	Sunto	MCL3 FURNACE FL.2	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
97	Co2/4.5	Sunto	MCL3 FURNACE FL.2	S	S	S	12.5 Kg	12.20 Kg	0%	Jan-18		8	
98	Co2/4.5	Sunto	MCL3 FURNACE FL.2	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
99	Co2/4.5	Sunto	MCL3 CLEANING FL.2	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
100	Co2/4.5	Sunto	MCL3 CLEANING FL.2	S	S	S	12.5 Kg	12.20 Kg	0%	Jan-18		8	
101	Co2/4.5	Sunto	MCL3 FURNACE FL.2	S	S	S	12.5 Kg	12.20 Kg	0%	Jan-18		8	
102	Co2/4.5	Sunto	MCL3 FURNACE FL.2	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
103	Co2/4.5	Sunto	MCL3 FURNACE FL.2	S	S	S	12.5 Kg	12.18 Kg	0%	Jan-18		8	
104	Co2/4.5	Sunto	MCL3 CLEANING FL.1	S	S	S	12.5 Kg	12.11 Kg	0%	Jan-18		8	
105	Co2/4.5	Sunto	MCL3 ENTRY Section	S	S	S	12.5 Kg	12.42 Kg	0%	Jan-18		8	
106	Co2/4.5	Sunto	MCL3 ENTRY Section	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
107	Co2/4.5	Sunto	MCL3 STS FL.G	S	S	S	12.5 Kg	12.43 Kg	0%	Jan-18		8	
108	Co2/4.5	Sunto	MCL3 STS FL.G	S	S	S	12.5 Kg	12.30 Kg	0%	Jan-18		8	
109	Co2/4.5	Sunto	MCL3 Exit PulPit	S	S	S	12.5 Kg	12.57 Kg	0%	Jan-18		8	
110	Co2/4.5	Sunto	MCL3 Cooling	S	S	S	12.5 Kg	12.40 Kg	0%	Jan-18		8	
111	Co2/4.5	Sunto	MCL3 Pulpit Gamling	S	S	S	12.5 Kg	10.69 Kg	0%	Jan-18		8	น้ำหนักต่ำ, ควรนำไป refill
112	Co2/4.5	Sunto	MCL3 STS FL.2	S	S	S	12.5 Kg	12.50 Kg	0%	Jan-18		8	
113	Co2/4.5	Sunto	Work Shop MCL3	S	S	S	12.5 Kg	12.70 Kg	-	-			

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST PORTABLE FIRE EXTINGUISHERS SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Standard Reference

For this project, our company will follow inspection and maintenance procedures of fire alarm system and fire fighting system by referring to these standards as detail below.

- NFPA 10 – Standard For Portable Fire Extinguishers
- NFPA 11 – Standard For Foam Extinguishers, Low Expansion
- NFPA 12 – Standard On Carbon Dioxide Extinguishers systems
- NFPA 13 – Standard For The Installation of Sprinkler systems
- NFPA 14 – Standard For Installation of Stand Pipe and Hose Systems
- NFPA 15 – Standard For Water Spray Fixed Systems For Fire Protection
- NFPA 20 – Standard For Installation of Centrifugal Fire Pumps
- NFPA 25 – Standard For The Inspection, Testing, and Maintenance of Water-Based Fire Protection System
- NFPA 30 – Flammable and Combustible Liquids Code
- NFPA 70 – National Electrical Code
- NFPA 72 – National Fire Alarm Code

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

NS BLUESCOPE (THAILAND) LIMITED

Preventive Maintenance for Fire Protection System

On May 2026

Takachiho Fire, Security & Services (Thailand) Limited
1858/110-111 25th Floor Interlink Tower Bangna , Debaratna Rd. Bangna Tai , Bangna , Bangkok 10260 Thailand
Tel. (66-2) 366 9000, Fax. (66-2) 366 9090 www.tkfs.co.th

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION, TEST AND PREVENTIVE MAINTENANCE

FOR

Fire Protection and fire Detection System

Customer : **NS Blue Scope Steel Thailand** **Report Date :** **9 June 2026**

Inspector By :	1. Subin	Karnna	Service Leader
	2. Pattanasit	Ratanapatarakorn	Technician Service
	3. Somkhid	Khamlai	Technician Service
	4. Anuchit	Phoomee	Technician Service
	5. Perakant	Kumwong	Technician Service

Takachiho Fire, Security & Services (Thailand) Ltd.

NSBST Fire Alarm & Fire Suppression Summary Report : May 2026

Pervious month Outstanding update

May 2026 Result

Item	Inspection Description	Point / Device		Location	Problem	Recomment	Priority	Status
1	Fire alarm system							
	(Monthly)	M2-10 (Node3)	Strobe horn	Node 3	อุปกรณ์เสีย	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		M1-2 (Node4)	Smoke	Node 4	อุปกรณ์เสีย	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
2	Inergen system							
	(Monthly)	Inergen cylinder	Inergen = 61 ถัง	PKL, CRM, MCL 1, Server Room	อายุการใช้งานเกินมาตรฐาน 5 ปี ควรนำไป Hydro test และ Refill	Should refill	○ Low ● Medium ○ High	
		Inergen	pressure gauge = 3 ea	ห้องไฟฟ้า 115Kw	หน้าปัด pressure gauge เสื่อมสภาพ	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		Inergen no. 661202	Inergen = 1 ถัง	PKL EER RM.	Low pressure	should hydro test and refill	○ Low ● Medium ○ High	TK เสนอราคา
		Inergen	Battery = 2 ea	PKL Main EER.	อายุการใช้งานเกิน 2 ปี	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
3	FM-200 system							
	(Monthly)	Function system is working normally.						
4	CO2 system							
	(Monthly)	Function system is working normally.						
5	Nitrogen system							
	(Monthly)	N2 cylinder (NCP no. 1,2,6,5)	Smoke detector = 8 ea	Main EER server & computer room, Entry main EER room,Entry main EER RM.	Test ไม่ส่ง alarm (อุปกรณ์เสีย)	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		N2 cylinder no. 5, 18, 27, 28, 39, 49, 75, 78, 101	Pressure gauge = 9 ea	MCL-2 (NCP No. 2, No. 6)	Damaged *by pass*	Should replace pressure gauge	○ Low ● Medium ○ High	TK เสนอราคามาแล้ว
		N2 cylinder. 1, 2, 3, 10, 11, 15	Pressure gauge = 6 ea	MCL-2 (NCP No. 3)	Damaged *by pass*	Should replace pressure gauge	○ Low ● Medium ○ High	ระบบยังใช้งานได้
		N2 cylinder	Nitrogen = 141 ถัง	COATING PORT EER ROOM,PLC&COM Room, ENTRY EER,PREMALT ROOM,EER ROOM & ENTRY ROOM	อายุการใช้งานเกินมาตรฐาน 5 ปี ควรนำไป Hydro test และ Refill	Should refill	○ Low ● Medium ○ High	
6	Automatic sprinkler & Deluge valve system							
	(Monthly)	Deluge valve	Battery = 4 ea	CPL plant store lower , CPL plant store upper	อายุการใช้งานเกิน 2 ปี	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		Alarm valve no. 30	อุปกรณ์ชำรุด = 2 ea	AV-LISTED 467A 2.5	Pressure gauge ด้านบนและด้านล่าง อุปกรณ์ชำรุด	Should replace	○ Low ● Medium ○ High	TK เสนอราคา

NSBST Fire Alarm & Fire Suppression Summary Report : May 2026

Pervious month Outstanding update

May 2026 Result

Item	Inspection Description	Point / Device		Location	Problem	Recomment	Priority	Status
7	Fire Hydrant and							
	(Monthly)	Fire hose reel No.26	ข้อต่อ 90° = 1 ea	CRM-AH/51	ข้อต่อ 90° สำหรับท่อ fire hose reel ขนาด 1" ถูกกัดกร่อนเป็นสนิม	Should replace	O Low ● Medium O High	TK เสนอราคา
		Fire hose reel No.23, 24, 25	ท่อ 1"	CRM-OP/2, PKL-OP/4, PKL-AH/4	ท่อสำหรับ fire hose reel ขนาด 1" ด้าน ball valve เกลียวถูกกัดกร่อนเป็นสนิม	Should replace	O Low ● Medium O High	
		Fire hydrant No.14	ฝา cap	canteen	ฝา cap แตกชำรุด 1 ea	Should replace	O Low ● Medium O High	
8	Fire pump system							
	(Monthly)	Engine pump no.2	Air vent	MCL-1	Air vent สำหรับ pump no. 2 เสื่อมสภาพ มีน้ำรั่วซึม	Should replace	O Low ● Medium O High	TK เสนอราคา
9	Emergency light & Exit light							
	(Every One Months)	**Emergency Light**						
		No. 3, 44, 47, 48, 132	อุปกรณ์เสีย = 5 ea	All area	อุปกรณ์เสีย	should replace	O Low ● Medium O High	TK เสนอราคา
		No. 84, 146, 169, 170	Back-up batteries = 4 ea (12 V. / 7.5 Ah.)	All area	Battery deteriotration	should replace	O Low ● Medium O High	TK เสนอราคา
		Emergency Exit Light						
		No. 11, 20, 28, 92	Back-up batteries = 4 ea (3.6 V. / 1800 mAh.)	All area	Battery deteriotration	should replace	O Low ● Medium O High	TK เสนอราคา
		No. 75	อุปกรณ์เสีย = 1 ea	All area	อุปกรณ์เสีย	should replace	O Low ● Medium O High	TK เสนอราคา

Reference report: TAKACHIHO's Inspection Monthly report for NS Bluescope Thailand : May 2026

Review By

Songpon Soontaros
PSV Senior Engineer

Date _____

Sign Off By

Plant Service & Engineering Project Manager

Date _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE ALARM SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL ,W/S,W/H, BLDG SFIP-01 SIMPLEX 4100 ES [NODE 1]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.5 VAC
Charger control panel 27.78 VDC
Battery back up 27.75 VDC (start 26/6/25) 12V 18Ah

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL,W/S,W/H, BLDG SFIP-01 SIMPLEX 4100 ES [NODE 1]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Ware house	M1-32	MANUAL	S	S	
2	Ware house op/09	M1-34	MANUAL	S	S	
3	Worke shop tool room	M1-59	SMOKE	S	S	
4	Worke shop op/12	M1-29	MANUAL	S	S	
5	PKL op/16 Silen grid	M1-21	MANUAL	S	S	
6	PKL mac 03 op/17	M1-17	MANUAL	S	S	
7	Ware house op/08	M1-37	MANUAL	S	S	
8	PKL-mac-3	M1-39	MANUAL	S	S	
9	PKL-op/5	M1-43	MANUAL	S	S	
10	PKL-op/4	M1-47	MANUAL	S	S	
11	PKL acid tank sm-1	M1-54	MANUAL	S	S	เปลี่ยนอุปกรณ์
12	Work shop trainning room	M1-61	SMOKE	S	S	
13	Worke shop office room	M1-60	SMOKE	S	S	
14	Ware house room-a	M1-63	SMOKE	S	S	
15	Ware house room-b	M1-64	SMOKE	S	S	
16	PKL-mac-console o-s1	M1-24	MANUAL	S	S	
17	PKL-exit pulpit	M1-6	MANUAL	S	S	
18	PKL-op/3	M1-1	MANUAL	S	S	
19	PKL-eer room	M1-15	MANUAL	S	S	
20	PKL-eer room	M1-15	MANUAL	S	S	
21	PKL eer room (signal fm 200)	M1-11	IAM-signal alarm	S	S	
22	PKL eer room (signal inergen)	M1-12	IAM-signal alarm	S	S	
23	PKL-op/15	M1-26	MANUAL	S	S	
24	PKL Tunnel south(ใต้ดิน)	M1-57	SMOKE	S	S	
25	PKL Tunnel south(ใต้ดิน)	M1-57	SMOKE	S	S	
26	PKL Tunnel south(ใต้ดิน)	M1-57	SMOKE	N/A	N/A	ถอดหัว by pass ไว้ชั่วคราว
27	PKL Tunnel south(ใต้ดิน)	M1-58	MANUAL	S	S	
28	PKL Tunnel south(ใต้ดิน)	M1-58	MANUAL	S	S	
29	PKL Tunnel south(ใต้ดิน)	M1-58	MANUAL	S	S	
30	W/H Room B	M1-62	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL,W/S,W/H, BLDG SFIP-01 SIMPLEX 4100 ES [NODE 1]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	PKL Tunnul	M1-57	SMOKE	S	S	
32	PKL Tunnul	M1-57	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : COLD ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 229.8 VAC
Charger control panel 27.15 VDC
Battery back up 27.13 VDC (start 26/6/25) 12V 18Ah
Local Power Supply Support Building
AC POWER : 230.0 VAC
Charger control panel : 27.20 VDC
Battery Back Up : 27.16 VDC
Battery Start : 26/6/25

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRO ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Exit door OP 64	M1-1	MANUAL	S	S	
2	Grid Y-49	M1-12	SMOKE	S	S	
3	Grid Y-49	M1-12	SMOKE	S	S	
4	CRM pulpit	M1-14	MANUAL	S	S	
5	CRM hydr cella(ใต้ดิน)	M1-20	MANUAL	S	S	
6	CRM hydr cella(ใต้ดิน)	M1-21	MANUAL	S	S	
7	CRM	M1-17	MANUAL	S	S	
8	CRM rool shop op/66	M1-26	MANUAL	S	S	
9	CRM	M1-22	MANUAL	S	S	
10	CRM op/20	M2-33	MANUAL	S	S	
11	CRM op/21	M2-30	MANUAL	S	S	
12	CRM eer.room op/27	M2-11	MANUAL	S	S	
13	CRM eer.room	M2-14	MANUAL	S	S	
14	CRM eer.room	M2-25	MANUAL	S	S	
15	CRM eer.room	M2-22	MANUAL	S	S	
16	CRM eer.room	M2-28	MANUAL	S	S	
17	CRM op/29	M2-8	MANUAL	S	S	
18	Operation bldg	M1-5	SMOKE	S	S	
19	Operation bldg	M1-5	SMOKE	S	S	
20	Operation bldg	M1-5	SMOKE	S	S	
21	Operation bldg	M1-5	SMOKE	S	S	
22	Operation bldg	M1-5	SMOKE	S	S	
23	Operation bldg	M1-5	SMOKE	S	S	
24	Operation bldg	M1-5	SMOKE	S	S	
25	Operation bldg	M1-5	SMOKE	S	S	
26	Operation bldg	M1-5	SMOKE	S	S	
27	Operation bldg	M1-5	SMOKE	S	S	
28	Operation bldg	M1-6	SMOKE	S	S	
29	Operation bldg	M1-6	SMOKE	S	S	
30	Operation bldg	M1-6	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRO ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Operation bldg	M1-6	SMOKE	S	S	
32	Operation bldg	M1-6	SMOKE	S	S	
33	Operation bldg	M1-6	SMOKE	S	S	
34	Operation bldg	M1-6	SMOKE	S	S	
35	Operation bldg	M1-6	SMOKE	S	S	
36	Operation bldg	M1-5	SMOKE	S	S	
37	Operation bldg	M1-5	SMOKE	S	S	
38	Operation bldg	M1-5	SMOKE	S	S	
39	Operation bldg	M1-5	SMOKE	S	S	
40	Operation bldg	M1-7	MANUAL	S	S	
41	Operation bldg	M1-9	MANUAL	S	S	
42	EER room CRM	M2-23	MANUAL	N/A	N/A	เข้าพื้นที่ไม่ได้
43	EER room CRM	M2-24	MANUAL	S	S	
44	CRM EER (Signal Inergen1)	M2-17	IAM-signal alarm	S	S	
45	CRM EER (Signal Inergen2)	M2-18	IAM-signal alarm	S	S	
46	Operation bldg	M1-6	HEAT	S	S	
47	EER Room Ground	M2-12	SMOKE	S	S	
48	CRM EER Room	M2-29	SMOKE	S	S	
49	CRM EER Room	M2-29	SMOKE	S	S	
50	CRM EER Room	M2-29	SMOKE	S	S	
51	CRM EER Room	M2-29	SMOKE	S	S	
52	CRM EER Room	M2-29	SMOKE	S	S	
53	CRM EER Room Ground	M2-12	SMOKE	S	S	
54	CRM EER Room Ground	M2-12	SMOKE	S	S	
55	CRM EER Room Ground	M2-12	SMOKE	S	S	
56	CRM EER Room Ground	M2-12	SMOKE	S	S	
57	CRM EER Room Ground	M2-12	SMOKE	S	S	
58	CRM EER Room Ground	M2-12	SMOKE	S	S	
59	CRM EER Room Ground	M2-12	SMOKE	S	S	
60	CRM EER Room Ground	M2-12	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRO ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
61	CRM EER Room Ground	M2-12	SMOKE	S	S	
62	CRM EER Room Ground	M2-12	SMOKE	S	S	
63	Roll Shop EER RM.	M1-31	SMOKE	S	S	
64	Roll Shop EER RM.	M1-32	SMOKE	S	S	
65	Canteen	M1-33	HEAT	S	S	
66	Canteen	M1-33	HEAT	S	S	
67	Canteen	M1-33	HEAT	S	S	
68	Canteen	M1-33	HEAT	S	S	
69	Canteen	M1-33	HEAT	S	S	
70	Canteen	M1-33	HEAT	S	S	
71	Canteen	M1-33	HEAT	S	S	
72	Canteen	M1-33	HEAT	S	S	
73	Canteen	M1-33	HEAT	S	S	
74	Canteen	M1-33	MANUAL	S	S	
75	Canteen	M1-33	MANUAL	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	ZAL op/60	M3-60	MANUAL	S	S	
2	MCC.op/exit	M3-39	MANUAL	S	S	
3	MCC.op/51	M3-38	MANUAL	S	S	
4	ZAL op/35	M3-52	MANUAL	S	S	
5	MCl. op/60	M3-19	MANUAL	S	S	
6	ZAL op/57	M3-22	MANUAL	S	S	
7	Maintenance office	M3-73	SMOKE	S	S	
8	Maintenance office	M3-74	SMOKE	S	S	
9	MCL1 op/56	M3-26	MANUAL	S	S	
10	MCL1 op/52	M3-35	MANUAL	S	S	
11	MCL1 op/49	M3-48	MANUAL	S	S	
12	MCL1 pulpit room	M3-30	SMOKE	S	S	
13	MCL1 pulpit room	M3-31	MANUAL	S	S	
14	MCL1 op/54	M3-27	MANUAL	S	S	
15	MCL1 op/32	M3-58	MANUAL	S	S	
16	Document store	M3-76	SMOKE	S	S	
17	Document store	M3-76	SMOKE	S	S	
18	Document store	M3-76	SMOKE	S	S	
19	Document store	M3-76	SMOKE	S	S	
20	Document store	M3-76	SMOKE	S	S	
21	Document store	M3-76	SMOKE	S	S	
22	Document store	M3-77	MANUAL	S	S	
23	Document store	M3-78	MANUAL	S	S	
24	ZAL op/34	M3-55	MANUAL	S	S	
25	Canteen (เก่า)	M3-96	MANUAL	N/A	N/A	เข้าพื้นที่ไม่ได้
26	Canteen (เก่า)	M3-96	MANUAL	N/A	N/A	เข้าพื้นที่ไม่ได้
27	Canteen (เก่า)	M3-97	HEAT	N/A	N/A	เข้าพื้นที่ไม่ได้
28	Canteen (เก่า)	M3-97	HEAT	N/A	N/A	เข้าพื้นที่ไม่ได้
29	Canteen (เก่า)	M3-97	HEAT	N/A	N/A	เข้าพื้นที่ไม่ได้
30	Canteen (เก่า)	M3-97	HEAT	N/A	N/A	เข้าพื้นที่ไม่ได้

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * M2-12 เข้าพื้นที่ test ไม่ได้ จำนวน 4 Ea (พื้นที่หม้อแปลงไฟฟ้า)

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Canteen (เก่า)	M3-97	HEAT	N/A	N/A	เข้าพื้นที่ไม่ได้
32	Canteen (เก่า)	M3-97	HEAT	N/A	N/A	เข้าพื้นที่ไม่ได้
33	Canteen (เก่า)	M3-97	HEAT	N/A	N/A	เข้าพื้นที่ไม่ได้
34	Canteen (เก่า)	M3-97	HEAT	N/A	N/A	เข้าพื้นที่ไม่ได้
35	Sub 115 kv	M3-68	IAM-signal alarm	S	S	
36	eer-mcl-1 inergen signal	M3-43	IAM-signal alarm	S	S	
37	eer-mcl-1 inergen signal	M3-44	IAM-signal alarm	S	S	
38	Support bldg inergen signal	M3-72	IAM-signal alarm	S	S	
39	Operation bldg.	M3-85	SMOKE	S	S	
40	Operation bldg.	M3-86	SMOKE	S	S	
41	Operation bldg.	M3-87	SMOKE	S	S	
42	Operation bldg.	M3-88	HEAT	S	S	
43	Operation bldg.	M3-89	HEAT	S	S	
44	Operation bldg.	M3-90	SMOKE	S	S	
45	Operation bldg.	M3-91	HEAT	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : SUPPORT,SAFETY BLDG (Node 2)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	ห้องน้ำหญิง	M3-70 (ZONE 2)	MANUAL	S	S	
2	หน้อง Server	M3-69 (ZONE 1)	SMOKE	S	S	
3	ห้องประชุม	M3-69 (ZONE 1)	SMOKE	S	S	
4	ห้องประชุม	M3-69 (ZONE 1)	SMOKE	S	S	
5	ห้องนั่งเล่น	M3-70 (ZONE 2)	MANUAL	S	S	
6	Phoni Booth 1	M3-69 (ZONE 1)	SMOKE	S	S	
7	Phoni Booth 2	M3-69 (ZONE 1)	SMOKE	S	S	
8	Resilince zone	M3-69 (ZONE 1)	SMOKE	S	S	
9	Resilince zone	M3-69 (ZONE 1)	SMOKE	S	S	
10	ห้องพยาบาล	M3-70 (ZONE 2)	MANUAL	S	S	
11	Support bldg first aid	M3-70 (ZONE 2)	SMOKE	S	S	
12	ห้องน้ำหญิง	M3-71 (ZONE 3)	MANUAL	S	S	
13	ห้องเก็บของ	M3-71 (ZONE 3)	MANUAL	S	S	
14	ห้องเก็บ PPE	M3-71 (ZONE 3)	MANUAL	S	S	
15	Safety bldg. locker room	M3-71 (ZONE 3)	SMOKE	S	S	
16	ห้องน้ำชาย	M3-71 (ZONE 3)	SMOKE	S	S	
17	ห้องน้ำชาย	M3-71 (ZONE 3)	MANUAL	S	S	
18	ห้องน้ำชาย	M3-71 (ZONE 3)	MANUAL	S	S	
19	Training room	M3-71 (ZONE 3)	SMOKE	S	S	
20	Training room	M3-71 (ZONE 3)	SMOKE	S	S	
21	Training room	M3-71 (ZONE 3)	SMOKE	S	S	
22	ห้องดนตรี	M3-71 (ZONE 3)	SMOKE	S	S	
23	Safety bldg.	M3-71 (ZONE 3)	MANUAL	S	S	
24	Enduro	M3-69 (ZONE 1)	SMOKE	S	S	
25	Office room	M3-69 (ZONE 1)	SMOKE	S	S	
26	Office room	M3-69 (ZONE 1)	SMOKE	S	S	
27	Room 1	M3-69 (ZONE 1)	SMOKE	S	S	
28	Room 2	M3-69 (ZONE 1)	SMOKE	S	S	
29	Room 3	M3-69 (ZONE 1)	SMOKE	S	S	
30	Room 4	M3-70 (ZONE 2)	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : SUPPORT,SAFETY BLDG (Node 2)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Facility department	M3-71 (ZONE 3)	MANUAL	S	S	
32	Support bldg.	M3-71 (ZONE 3)	MANUAL	S	S	
33	Toilet ชาย	M3-70 (ZONE 2)	SMOKE	S	S	
34	Toilet หญิง	M3-70 (ZONE 2)	SMOKE	S	S	
35	Support bldg.	M3-80	Alarm Bell	S	S	
36	Trainning room	M3-81	Alarm Bell	S	S	
37	Room 5	M3-69	SMOKE	S	S	
38	Office area	M3-69	SMOKE	S	S	
39	Office area	M3-69	SMOKE	S	S	
40	Office area	M3-69	SMOKE	S	S	
41	Office area	M3-69	SMOKE	S	S	
42	Pantry	M3-69	SMOKE	S	S	
43	ห้องนั่งเล่น	M3-69	SMOKE	S	S	
44	Room 4	M3-69	SMOKE	S	S	
45	Facility department	M3-71	MANUAL	S	S	
46	Facility department	M3-71	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.1 VAC
Charger control panel 27.51 VDC
Battery back up 27.48 VDC
* Battery start 26/6/25 12V 18Ah

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	CPL op/46	M1-38	MANUAL	S	S	
2	CPL-lab room 1	M1-46	SMOKE	S	S	
3	CPL-lab room 2	M1-45	SMOKE	S	S	
4	CPL - paint line mac-4	M1-27	MANUAL	S	S	
5	CPL - paint line mac-2	M1-14	MANUAL	S	S	
6	CPL new lab op/37	M1-42	MANUAL	S	S	
7	CPL packing mac-1	M1-8	MANUAL	S	S	
8	CPL packing mac-2	M1-5	MANUAL	S	S	
9	CPL-recon area	M1-11	MANUAL	S	S	
10	MCL-inspactor room	M1-47	SMOKE	S	S	
11	Service tunnel north mac	M2-3	MANUAL	S	S	
12	Service tunnel north smoke	M2-2	SMOKE	S	S	
13	Service tunnel north smoke	M2-1	SMOKE	S	S	
14	Air compreeser- mac	M2-8	MANUAL	S	S	
15	Air compreeser- mac	M2-8	MANUAL	S	S	
16	Air compreeser- smoke	M2-7	SMOKE	S	S	
17	Water treat ment smoke	M2-14	SMOKE	S	S	
18	Water treat ment smoke	M2-14	SMOKE	S	S	
19	Water treat ment mac	M2-13	MANUAL	S	S	
20	Water treat ment mac	M2-13	MANUAL	S	S	
21	Solid waste	M2-11	MANUAL	S	S	
22	Service tunnel north mac	M2-3	MANUAL	S	S	
23	Service tunnel north mac	M2-3	MANUAL	S	S	
24	Service tunnel north mac	M2-3	MANUAL	S	S	
25	Service tunnel north smoke	M2-2	SMOKE	S	S	
26	Service tunnel north smoke	M2-2	SMOKE	S	S	
27	Service tunnel north smoke	M2-2	SMOKE	S	S	
28	MCL_2 exit room	M1-86	SMOKE	S	S	
29	MCL_2 exit room	M1-87	SMOKE	S	S	
30	MCL_2 exit room	M1-88	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Strobe horn M2-10 อุปกรณ์เสีย 1 ea (node3)

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1, CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	MCL_2 coating pot room	M2-43	MANUAL	S	S	
32	MCL_2 coating pot room	M2-44	SMOKE	S	S	
33	MCL_2 coating pot room	M2-45	SMOKE	S	S	
34	MCL-2 fire suppression	M2-35	S/S V.	N/A	N/A	Main Valve off
35	MCL-2 fire suppression	M2-39	S/S V.	N/A	N/A	Main Valve off
36	MCL-2 entry meting room	M2-46	MANUAL	S	S	
37	MCL-2 entry meting room	M2-48	SMOKE	S	S	
38	MCL-2 entry meting room	M2-49	SMOKE	S	S	
39	MCL-2 entry room	M2-93	SMOKE	S	S	
40	MCL-2 entry room	M2-94	SMOKE	S	S	
41	MCL-2 entry room	M2-91	MANUAL	S	S	
42	MCL-2 fire suppression	M2-55	S/S V.	N/A	N/A	Main Valve off
43	MCL-2 fire suppression	M2-59	S/S V.	N/A	N/A	Main Valve off
44	MCL-2 fire suppression	M2-63	S/S V.	N/A	N/A	Main Valve off
45	MCL-2 fire suppression	M2-77	S/S V.	N/A	N/A	Main Valve off
46	MCL-2 fire suppression	M2-71	S/S V.	N/A	N/A	Main Valve off
47	MCL-2 fire suppression	M2-63	S/S V.	N/A	N/A	Main Valve off
48	MCL-2 fire suppression	M2-83	S/S V.	N/A	N/A	Main Valve off
49	MCL-2 fire suppression	M1-81	S/S V.	N/A	N/A	Main Valve off
50	HC. Yard Office Rm.	M1-6	SMOKE	S	S	
51	MCL-2 fire suppression	M1-75	S/S V.	N/A	N/A	Main Valve off
52	MCL-2 fire suppression	M1-90	S/S V.	N/A	N/A	Main Valve off
53	MCL-2 fire suppression	M1-61	S/S V.	N/A	N/A	Main Valve off
54	MCL-2 fire suppression	M1-55	S/S V.	N/A	N/A	Main Valve off
55	MCL-2 fire suppression	M1-49	S/S V.	N/A	N/A	Main Valve off
56	MCL-2 disch office	M1-68	MANUAL	S	S	
57	MCL-2 disch office	M1-70	SMOKE	S	S	
58	MCL-2 disch office	M1-71	SMOKE	S	S	
59	MCL-2 disch office	M1-68	MANUAL	S	S	
60	CPL เสา c2/25	M1-33	MANUAL	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1, CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
61	New lab room	M1-43	SMOKE	S	S	
62	New lab room	M1-43	SMOKE	S	S	
63	New lab room	M1-43	SMOKE	S	S	
64	Exit mcl 2 pulpit	M1-84	MANUAL	S	S	
65	MCL 2 Suppervisory	M1-22	S/SV	S	S	
66	CPL Paint line	M1-30	MANUAL	S	S	
67	CPL Recon Area	M1-1	MANUAL	S	S	
68	CPL Paint Store	M1-24	MANUAL	S	S	
69	SERVICE TUNNEL	M2-1	SMOKE	S	S	
70	SERVICE TUNNEL	M2-1	SMOKE	S	S	
71	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
72	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
73	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
74	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
75	EQUIPMENT STORGE W/H	M1-93	MANUAL	S	S	
76	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
77	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
78	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
79	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
80	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
81	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
82	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
83	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
84	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
85	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
86	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	
87	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	
88	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	
89	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 BLDG Node 3 Loop M3

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Mcl-2 coil and storange wast zone 6	M3-34	MANUAL	S	S	
2	Mcl-2 coil and storange wast zone 6	M3-35	MANUAL	S	S	
3	Mcl-2 coil and storange wast zone 6	M3-36	MANUAL	S	S	
4	Mcl-2 coil and storange wast zone 6	M3-37	MANUAL	S	S	
5	Mcl-2 coil and storange central zone 5	M3-33	MANUAL	S	S	
6	Mcl-2 coil and storange central zone 5	M3-29	MANUAL	S	S	
7	Mcl-2 coil and storange east zone 4	M3-23	MANUAL	S	S	
8	Mcl-2 coil and storange east zone 4	M3-24	MANUAL	S	S	
9	Mcl-2 coil and storange east zone 4	M3-25	MANUAL	S	S	
10	MCL-2 entry eer room Zone 2	M3-9	MANUAL	S	S	
11	Mcl-2 coil and storange east zone 4	M3-27	MANUAL	S	S	
12	Mcl-2 coil and storange east zone 4	M3-28	MANUAL	S	S	
13	Mcl-2 Ingot storange Zone 3	M3-16	MANUAL	S	S	
14	Mcl-2 Ingot storange Zone 3	M3-17	MANUAL	S	S	
15	Mcl-2 Ingot storange Zone 3	M3-18	MANUAL	S	S	
16	Mcl-2 coil and storange central zone 5	M3-30	MANUAL	S	S	
17	MCL-2 main eer room Zone1	M3-1	MANUAL	S	S	
18	Mcl-2 coil and storange east zone 4	M3-26	MANUAL	S	S	
19	MCL-2 main eer room Zone1	M3-2	MANUAL	S	S	
20	Mcl-2 coil and storange central zone 5	M3-31	MANUAL	S	S	
21	Mcl-2 coil and storange central zone 5	M3-32	MANUAL	S	S	
22	Mcl-2 New Chemical Storage Zone 8	M3-48	MANUAL	S	S	
23	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
24	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
25	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
26	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
27	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
28	Mcl-2 coating Pot EER RM Zone 7	M3-38	MANUAL	S	S	Under ground EER
29	Mcl-2 NCP1 PLC & Com Rm.	M3-3	IAM	S	S	commons trouble
30	Mcl-2 NCP1 PLC & Com Rm.	M3-4	IAM	S	S	commons alarm

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 BLDG Node 3 Loop M3

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Mcl-2 NCP2 Main Exit EER Rm.	M3-5	IAM SUPERVISORY	S	S	commons trouble
32	Mcl-2 NCP2 Main Exit EER Rm.	M3-6	IAM SUPERVISORY	S	S	commons alarm
33	Mcl-2 NCP3 Coating Pot EER Rm.	M3-39	IAM SUPERVISORY	S	S	commons trouble
34	Mcl-2 NCP3 Coating Pot EER Rm.	M3-40	IAM SUPERVISORY	S	S	commons alarm
35	Mcl-2 NCP4 Premalt EER Rm.	M3-19	IAM SUPERVISORY	S	S	commons trouble
36	Mcl-2 NCP4 Premalt EER Rm.	M3-20	IAM SUPERVISORY	S	S	commons alarm
37	Mcl-2 NCP5 PLC & Comp Rm.	M3-10	IAM SUPERVISORY	S	S	commons trouble
38	Mcl-2 NCP5 PLC & Comp Rm.	M3-11	IAM SUPERVISORY	S	S	commons alarm
39	Mcl-2 NCP2 NO. 6 ENTRY EER Rm.	M3-12	IAM SUPERVISORY	S	S	commons trouble
40	Mcl-2 NCP2 NO. 6 ENTRY EER Rm.	M3-13	IAM SUPERVISORY	S	S	commons alarm

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : ADMIN STATION BLDG SFIP-04 SIMPLEX 4100 ES [NODE 4]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.6 VAC
Charger control panel 27.06 V.dc
Battery back up 27.01 V.dc start using 26/6/25

* Ranbuil store M1-2 smoke Test ไม่ส่ง alarm

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : ADMIN STATION BLDG SFIP-04 SIMPLEX 4100 ES [NODE 4]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Admin bldg.	M1-1	SDA	S	S	
2	Ranbuil store	M1-2	SMOKE	US	US	Test ไม่ส่ง alarm
3	Ranbuil store	M1-2	SMOKE	S	S	
4	Ranbuil store	M1-2	SMOKE	S	S	
5	Admin bldg.canteen	M1-3	SMOKE	S	S	
6	Admin bldg.ห้องประชุม	M1-3	SMOKE	S	S	
7	Admin bldg.office	M1-3	SMOKE	S	S	
8	Admin bldg.office	M1-3	SMOKE	S	S	
9	Admin bldg.office	M1-3	SMOKE	S	S	
10	Admin bldg.office	M1-3	SMOKE	S	S	
11	Admin bldg.office	M1-3	SMOKE	S	S	
12	Admin bldg.office	M1-3	SMOKE	S	S	
13	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
14	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
15	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
16	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
17	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
18	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
19	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
20	Admin bldg.ห้องน้ำชาย	M1-4	HEAT	S	S	
21	Admin bldg.ห้องน้ำหญิง	M1-4	HEAT	S	S	
22	Admin bldg.ประตูทางเข้า	M1-5	MANUAL	S	S	
23	Admin bldg.ประตูexit	M1-6	MANUAL	S	S	
24	Admin bldg.ประตูexit	M1-7	MANUAL	S	S	
25	FCP Training School Bld.	M1-8	IAM Signal Alarm	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Training School Building Notifier (SFP-2402)

Description	Normal Status	Result	Remark
1. Fire Alarm Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Annunciator Panel			
2.1 Check condition of fuse control	N/A	N/A	
2.2 Check condition of Lamp & LEDs	N/A	N/A	
2.3 Check power supply for FCP	N/A	N/A	
2.4 Check cable connection / terminal	N/A	N/A	
2.5 Check Alarm Condition / Function Test	N/A	N/A	
2.6 Visual check condition of battery and housing of battery	N/A	N/A	
2.7 Cleaning of Annunciator Panel	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.5 VAC
Charger control panel 27.30 Vdc.
Battery back up 27.27 Vdc. (Start 26/6/25) 12V 7.5 Ah.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Training School Building Notifier (SFP-2402)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Smoke No.1 Training	Zone 1	Smoke	S	S	
2	Smoke No.2 Training	Zone 1	Smoke	S	S	
3	Smoke No.3 Training	Zone 1	Smoke	S	S	
4	Smoke No.4 Training	Zone 1	Smoke	S	S	
5	Manual Training	Zone 1	Manual	S	S	
6	Smoke No.1 Training	Zone 2	Smoke	S	S	
7	Smoke No.2 Training	Zone 2	Smoke	S	S	
8	Smoke No.3 Training	Zone 2	Smoke	S	S	
9	Smoke No.4 Training	Zone 2	Smoke	S	S	
10	Smoke No.5 Training	Zone 2	Smoke	S	S	
11	Smoke No.6 Training	Zone 2	Smoke	S	S	
12	Smoke No.7 Training	Zone 2	Smoke	S	S	
13	Smoke No.8 Training	Zone 2	Smoke	S	S	
14	Smoke No.9 Training	Zone 2	Smoke	S	S	
15	Manual No.1 Training	Zone 2	Manual	S	S	
16	Manual No.2 Training	Zone 2	Manual	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE ALARM SYSTEM

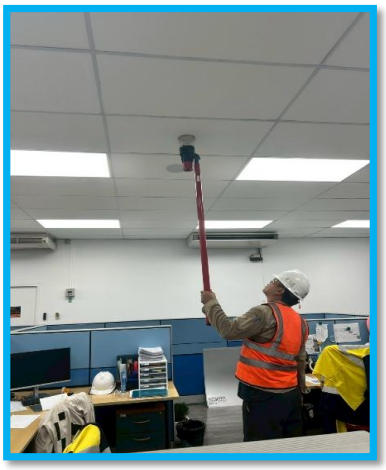
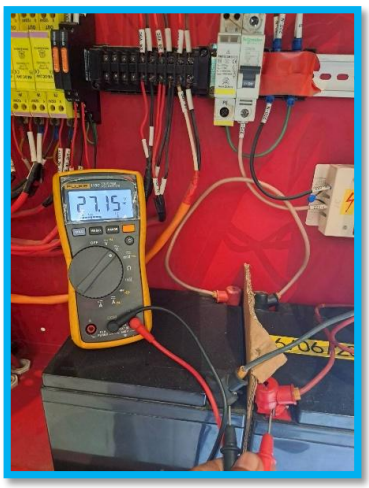


Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INERGEN SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- MAIN EER. ROOM POTTER PFC- 4410RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.6 VAC
Charger control panel 27.22 Vdc.
Battery back up 27.18 Vdc. (start using 5/3/24)
* Battery อายุการใช้งานเกิน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- MAIN EER. ROOM POTTER PFC- 4410RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	
3	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	
4	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	
5	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	
6	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	
7	PKL-maln eer.room	ZONE. 3	MANAUL1	S	S	to discharge 30 sec
8	PKL-maln eer.room	ZONE. 3	MANAUL2	S	S	to discharge 30 sec
9	PKL-maln eer.room		STOBE light	S	S	active pre discharge
10	PKL-maln eer.room		Solenoid Valve	S	S	to discharge
11	PKL-maln eer.room		ABORT.SW 1	S	S	นับต่อเนื่อง remain 10 sec
12	PKL-maln eer.room		ABORT.SW 2	S	S	
13	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	
14	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test o.k
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* Alarm 1 stobe horn ทำงาน, Alarm 2 stobe light ทำงาน
* Manual release stobe horn active

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM- MAIN EER. ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.6 VAC
Charger control panel 27.18 VDC
Battery back up 27.15 VDC (start using 20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM- MAIN EER. ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CRM main eer.room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
3	CRM main eer.room	ZONE.1	SMOKE.1	S	S	
4	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
5	CRM main eer.room	ZONE.1	SMOKE.1	S	S	
6	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
7	CRM main eer.room	ZONE.1	SMOKE.1	S	S	
8	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
9	CRM main eer.room		MANUAL	S	S	to discharge 30 sec
10	CRM main eer.room		ABORT.SW	S	S	remain 10 sec.
11	CRM main eer.room		STOBE light	S	S	active pre discharge
12			Solenoid	S	S	to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test normal
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* เปลี่ยน smok zone 2 จำนวน 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM SAVER COMPUTOR ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 229.3 VAC
Charger control panel 27.26 VDC
Battery back up 27.24 VDC (start using 20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM SAVER COMPUTOR ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
3	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	
4	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
5	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	
6	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
7	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	
8	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
9	CRM- main eer.server room		MANUAL	S	S	to discharge 30 sec
10	CRM- main eer.server room		ABORT.SW	S	S	remain 10 sec.
11			MANUAL	S	S	to discharge 30 sec
12			STOBE light	S	S	active pre discharge
13			Solenoid Valve	S	S	to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test normal
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1- MAIN EER. ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.5 VAC
Charger control panel 27.34 V.dc
Battery back up 27.35 V.dc Start using (20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1- MAIN EER. ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
3	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
4	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
5	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
6	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
7	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
8	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
9	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
10	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
11	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
12	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
13	MCL-main eer.room		MANUAL 1	S	S	to discharge 30 sec
14	MCL-main eer.room		MANUAL 1	S	S	to discharge 30 sec
15	MCL-main eer.room		Strobe Light	S	S	active pre discharge
16	MCL-main eer.room		Solenoid Valve	S	S	to discharge
17	MCL-main eer.room		ABORT.SW	S	S	remain 10 sec.
18	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
19	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test normal
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1-PROGRAM SARVER. ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.4 VAC
Charger control panel 27.26 V.dc
Battery back up 27.23 VDC (start using 20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1-PROGRAM SAVER. ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-program server .room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	MCL-program server .room	ZONE.2	SMOKE.2	S	S	
3	MCL-program server .room	ZONE.1	SMOKE.1	S	S	
4	MCL-program server .room	ZONE.2	SMOKE.2	S	S	
5	MCL-program server .room		MANUAL	S	S	to discharge 30 sec
6	MCL-program server .room		STROBE light	S	S	active discharge
7	MCL-program server .room		Solenoid Valve	S	S	to discharge
8	MCL-program server .room		ABORT.SW	S	S	remain 10 sec.

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MAIN SUB-115 KV POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 226.9 VAC
Charger control panel 27.68 V.dc
Battery back up 27.67 Vdc (start using 27/01/25)

* หน้าปัด pressure gauge สำหรับถัง Inergen ที่ห้องไฟฟ้า 115 KW เสื่อมสภาพ จำนวน 3 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MAIN SUB 115 KV POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	115 KV .room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	115 KV .room	ZONE.2	SMOKE.2	S	S	
3	115 KV .room	ZONE.3	MANUAL	S	S	to discharge 30 sec
4	115 KV .room		Strobe Light	S	S	active pre discharge
5	115 KV .room		Solenoid Valve	S	S	to discharge
6	115 KV .room	ZONE.4	ABORT.SW	S	S	remain 10 sec

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Smoke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Support Bldg. (server room) Auto

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
IUEWQ Check condi|yv cxsde	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.5 VAC
Charger control panel 26.83 Vdc.
Battery back up 26.81 Vdc. (Start using 27/01/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Support Bldg. (server room) Auto

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	Server Room	ZONE.1	Smoke Detector	S	S	cross zone detector discharge 30sec
2	Server Room	ZONE.2	Smoke Detector	S	S	
3	Server Room	ZONE.1	Smoke Detector	S	S	
4	Server Room	ZONE.2	Smoke Detector	S	S	
5	Server Room	ZONE.3	Manual Release	S	S	to discharge 30 sec
6	Server Room	ZONE.4	Abort Switch	S	S	remain 10 sec
7	Server Room	ZONE.5	Pressure Switch	S	S	active alarm bell
8	Server Room	NAC 2	Stobe / horn	S	S	active first alarm
9	Server Room	NAC 3	Alarm Bell	S	S	active pre discharge
10	Server Room	NAC 1	Solenoid Valve	S	S	to discharge
11	Server Room	NAC 1	Key Switch	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : * Smoke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* Alarm 1 : Stobe ดังเป็น pulse
* Alarm 1 : Stobe ดังเป็น pulse / bell ดังยาว
* Discharge : Stobe ดังยาว / bell ดังยาว

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN PKL, CRM

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	CRM EER Room	661066	S	150 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
2	CRM EER Room	661141	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
3	CRM EER Room	661362	S	175 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
4	CRM EER Room	661130	S	150 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
5	CRM EER Room	661240	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
6	CRM EER Room	661300	S	160 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
7	CRM EER Room	661330	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
8	CRM EER Room	661270	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
9	CRM EER Room	661157	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
10	CRM EER Room	661073	S	150 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
11	CRM EER Room (Master)	661136	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
12	PKL EER Room	661100	S	155 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
13	PKL EER Room (Master)	661123	S	175 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
14	PKL EER Room	661218	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
15	PKL EER Room	661164	S	150 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
16	PKL EER Room	661218	S	171 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
17	PKL EER Room	661131	S	175 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
18	PKL EER Room	661111	S	165 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
19	PKL EER Room	661091	S	169 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
20	PKL EER Room	661160	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
21	PKL EER Room	661294	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
22	PKL EER Room	661202	US	132 bar	Mar-97	Jul-18	Low pressure
23	EER Room (Computer CRM RM)	661096	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
24	EER Room (Computer CRM RM)	661404	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
25	EER Room (Computer CRM RM)	661067	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
26	EER Room (Computer CRM RM)	661342	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
27	CRM EER Room (Computer CRM RM) (Master)	661298	S	160 bar	Mar-97	Nov-20	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: ควรนำไป Hydro test และ Refill ใหม่ จำนวน 22 ถัง
No. 661157, 661218, 661294 ห้อง CRM EER Room, PKL EER Room จำนวน 3 ถัง (ยังไม่มี pressure gauge)
No. 661342 ห้อง EER Room (Computer CRM RM) จำนวน 1 ถัง (ยังไม่มี pressure gauge)
No. 661202 ห้อง PKL EER Room Low pressure จำนวน 1 ถัง

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN MCL 1

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL1 EER ROOM (Master)	661304	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
2	MCL1 EER ROOM	661143	S	155 bar	Mar-97	Nov-20	
3	MCL1 EER ROOM	661275	S	155 bar	Mar-97	Nov-20	
4	MCL1 EER ROOM	661252	S	150 bar	Mar-97	Nov-20	
5	MCL1 EER ROOM	661044	S	150 bar	Mar-97	Dec-20	
6	MCL1 EER ROOM	661114	S	150 bar	Mar-97	Dec-20	
7	MCL1 EER ROOM	661056	S	130 bar	Mar-97	Dec-20	
8	MCL1 EER ROOM	661305	S	150 bar	Mar-97	Dec-20	
9	MCL1 EER ROOM	661205	S	150 bar	Mar-97	Dec-20	
10	MCL1 EER ROOM	661118	S	150 bar	Mar-97	Mar-21	
11	MCL1 EER ROOM	661829	S	150 bar	Mar-97	Mar-21	
12	MCL1 EER ROOM	661272	S	150 bar	Mar-97	Dec-20	
13	MCL1 EER ROOM	661185	S	155 bar	Mar-97	Mar-21	
14	MCL1 EER ROOM	661080	S	150 bar	Mar-97	Mar-21	
15	MCL1 EER ROOM	661074	S	150 bar	Mar-97	Mar-21	
16	MCL1 EER ROOM	661273	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
17	MCL1 EER ROOM	661367	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
18	MCL1 EER ROOM	661172	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
19	MCL1 EER ROOM	661166	S	160 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
20	MCL1 EER ROOM	661150	S	153 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
21	MCL1 EER ROOM	661337	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
22	MCL1 EER ROOM	661299	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
23	MCL1 EER ROOM	661147	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
24	MCL1 EER ROOM	661225	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
25	MCL1 EER ROOM	661226	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
26	MCL1 EER ROOM	661315	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
27	MCL1 EER ROOM	661207	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
28	MCL1 EER ROOM	661265	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
29	MCL1 EER ROOM	661377	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
30	MCL1 EER ROOM	661291	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 16 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN MCL 1

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL1 EER ROOM (Master)	661392	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
32	MCL1 EER RM(Computer MCL1)	661183	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
33	MCL1 EER RM(EER MCL1)	661414	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
34	MCL1 EER RM(EER MCL1)	661319	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
35	MCL1 EER RM(EER MCL1)	661211	S	-	Mar-97	Mar-18	ไม่มี pressure gauge และควรนำไป Hydro test , Refill
36	MCL1 EER RM(EER MCL1)	661260	S	-	Mar-97	Mar-18	ไม่มี pressure gauge และควรนำไป Hydro test , Refill
37	MCL1 EER RM(EER MCL1)	661372	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
38	MCL1 EER RM(EER MCL1)	661195	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
39	MCL1 EER RM(EER MCL1)	661075	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
40	MCL1 EER RM(EER MCL1)	661262	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
41	MCL1 EER RM(EER MCL1)	661087	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
42	MCL1 EER RM(EER MCL1)	661303	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
43	MCL1 EER RM(EER MCL1)	661501	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
44	MCL1 EER RM(EER MCL1)	695264	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
45	MCL1 EER RM(EER MCL1) (Master)	661261	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
46	MCL1 EER RM(EER MCL1)	661116	S	152 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
47	MCL1 EER RM(EER MCL1)	661125	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
48	MCL1 EER RM(EER MCL1)	661293	S	165 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **Item 34-48 เข้าในระบบแล้ว**
ควรนำไป Hydro test และ Refill ใหม่ จำนวน 16 ถัง
No. 661211, 661260, 661372, 661303 ไม่มี pressure gauge จำนวน 4 ถัง

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN SUB 115KV

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	SUB 115KV (Master)	661032	S	160 bar	Mar-97	Nov-20	
2	SUB 115KV	695331	S	160 bar	Mar-97	Nov-20	
3	SUB 115KV	661174	S	140 bar	Mar-97	Nov-20	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **Pressure gauge วัดแรงดันถัง Inergen system ด้านหน้า gauge เสื่อมสภาพ มองไม่ชัดเจน จำนวน 3 ea**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN Server | Support Building

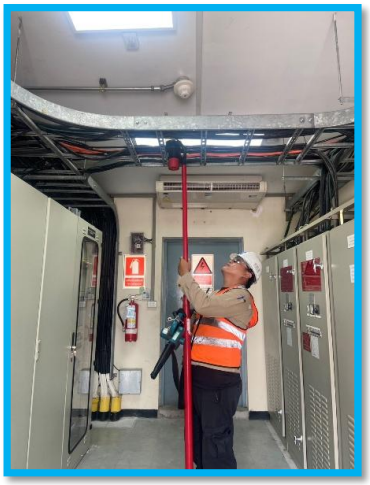
item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	Server Room	14T049158	S	2175 psi		May-14	ควรนำไป Hydro test และ Refill
2	Server Room	14T050156	S	2175 psi		May-14	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 2 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST INERGEN SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FM-200 SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- NEW MAIN EER ROOM. FM 200 FIKE PROTECTION

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	FM-200 set ไว้ที่ mode manual test
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.3 VAC
Charger control panel 27.55 V.dc
Battery back up 27.53 V.dc (strt using 23/7/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- NEW MAIN EER. ROOM FM 200 FIKE PROTECTION

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	FM-200 NEW-PKL-main eer .room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	FM-200 NEW-PKL-main eer .room	ZONE.2	SMOKE.2	S	S	แก้ไขแล้ว
3	FM-200 NEW-PKL-main eer .room	ZONE.1	SMOKE.1	S	S	Alarm 1 Bell
4	FM-200 NEW-PKL-main eer .room	ZONE.2	SMOKE.2	S	S	Alarm 2 Stobe horn
5	FM-200 NEW-PKL-main eer .room	ZONE.3	MANUAL	S	S	to discharge
6	FM-200 NEW-PKL-main eer .room	ZONE.8	HORN&STOBE	S	S	active pre alarm
7	FM-200 NEW-PKL-main eer .room	ZONE.9	Solenoid Valve	S	S	to discharge
8	FM-200 NEW-PKL-main eer .room	ZONE.4	ABORT.SW	S	S	original time
		ZONE. 6	Alarm Bell	S	S	active first alarm

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

* Smoke detector cross zone delay times 30 sec.
* Abort switch push to Original time delay
* Manual release push to discharge gas
* Alarm 1 bell ทำงาน, Alarm 2 stobe horn ทำงาน, Release stobe horn, Stobe light ทำงาน
* Manual stobe horn, stobe light ทำงาน
* ควรติดตั้ง horn&stobe ภายในห้อง EER room (PKL)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FM-200 SYSTEM

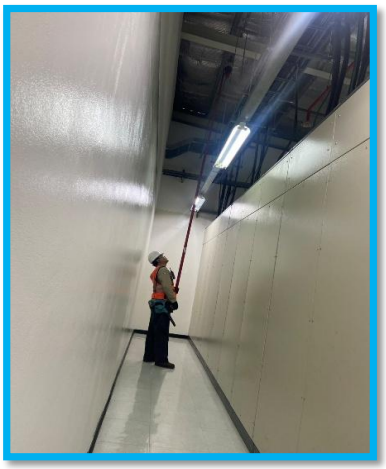
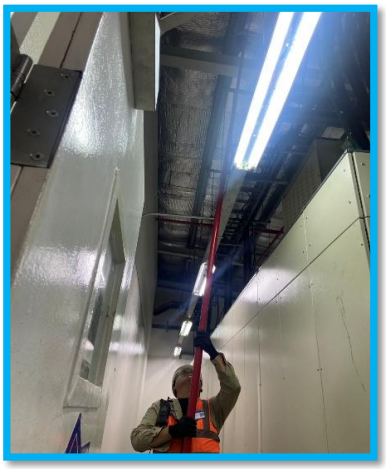
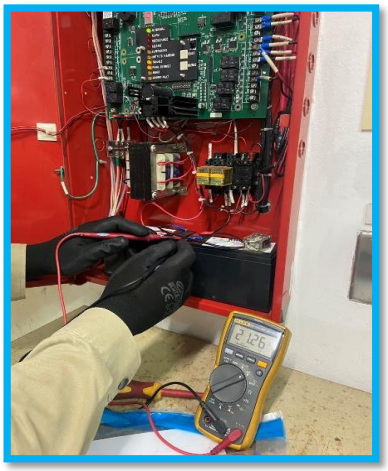
		

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression CO2 System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL2 Entry EER. Room / Autopulse 542 R

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual pull station	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check selector valve and function test	S	S	
2.8 Check condition of all alarm devise and testing	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

AC Power	228.3	VAC
Charger control panel	27.29	VDC
Battery back up	27.28	VDC (Start Using 22/10/25)

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression CO2 System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL2 Entry EER. Room / Autopulse 542 R

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	Transformer XFHV-12	1	Heat	S	S	
2	Transformer XFHV-12	2	Heat	S	S	
3	Transformer XFHV-12	3	Manual	S	S	
4	Transformer XFHV-12	5	Pressure Switch	S	S	
5	Transformer XFHV-12	6	Lock Out Valve	S	S	
6	Transformer XFHV-12	NAC 1	Solenoid Valve	S	S	
7	Transformer XFHV-12	NAC 2	Strobe / Horn	S	S	First alarm active
8	Transformer XFHV-12	NAC 3	Alarm Bell	S	S	Second alarm active
9	Transformer XFHV-12	NAC 1	Key SW.	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: * Heat detector cross zone delay time 30 sec to discharge
* Manual release delay times 30 sec to discharge
* Alarm 1 stobe horn ทำงาน, Alarm 2 bell ทำงาน
* Discharge stobe horn, bell ทำงาน

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CARBON DIOXIDE FIRE EXTINGUISHING SYSTEMS
Semi-Annual Tests and Maintenance

AREA : Transformer XFHV-12 **DATE : ###**

Num.	AREA	Cylinder Number	Empty Weight (Kg.)		Full Weight (Kg.)		Actual Weight (Kg.)				% Lost	Date of Manufacture	Date of Hydro Test	Total Year	Result
1	Transformer XFHV-12	15K520140	80.90	Kg.	125.90	Kg.	125.64	kg.	-	kg.	0.148%	10 / 2015	Nov-23	2	
2	Transformer XFHV-12	15K520165	81.81	Kg.	126.89	Kg.	127.82	kg.	-	kg.	0.281%	10 / 2015	Nov-23	2	
3	Transformer XFHV-12	15K520201	80.00	Kg.	125.00	Kg.	125.06	kg.	-	kg.	0.025%	10 / 2015	Nov-23	2	
4	Transformer XFHV-12	15K520024	80.90	Kg.	125.90	Kg.	126.74	kg.	-	kg.	0.039$	10 / 2015	Nov-23	2	
5	Transformer XFHV-12	15K520106	78.63	Kg.	123.63	Kg.	124.10	kg.	-	kg.	0.004%	10 / 2015	Nov-23	2	
6	Transformer XFHV-12	15K520154	81.81	Kg.	126.81	Kg.	127.64	kg.	-	kg.	0.020%	10 / 2015	Nov-23	2	

Remark : Lost of more than 10% requires refilling. **The hydrostatic test for CO2 cylinder is required every 12 years.**

Takachiho fire, Security & Services (Thailand) Ltd.

Completed By : _____ Witnessed By : _____

Signature : _____ Signature : _____

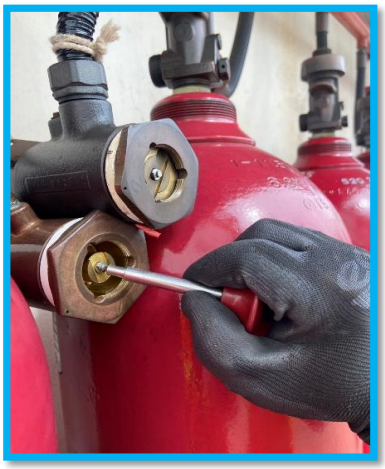
Date : _____ Date : _____

$$\frac{\text{Actual Weight - Full Weight}}{\text{Empty Weight}} \times 100$$

(-) = Lost, Weight the cylinder lost of more than 10 % need to refill

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST CO2 SYSTEM

		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

NITROGEN FIRE SUPPRESSION SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTER ROOM NCP NO. 1 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check selector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.3 VAC
Charger control panel 26.70 VDC
Battery back up 26.68 VDC (Replace Battery 30/3/26)
* Smoke detector zone 1 อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTTER ROOM NCP NO. 1 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	SERVER&COMPUTTER ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	SERVER&COMPUTTER ROOM	ZONE2	SMOKE	S	S	
3	SERVER&COMPUTTER ROOM	ZONE1	SMOKE	US	US	อุปกรณ์เสีย test ไม่ส่ง alarm
4	SERVER&COMPUTTER ROOM	ZONE2	SMOKE	S	S	
5	SERVER&COMPUTTER ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
6	SERVER&COMPUTTER ROOM		BELL	S	S	first alarm
7	SERVER&COMPUTTER ROOM		HORN&STOBE	S	S	second alarm
8	SERVER&COMPUTTER ROOM		Solenoid Valve	S	S	to discharge
9	SERVER&COMPUTTER ROOM		ABORT.SW	S	S	to reset panel

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1 Bell ดังยาว
* Alarm 2 Bell ดังยาว, stobe/horn ดังเป็นจังหวะ
* Discharge Bell, stobe/horn ดังยาว (OP85)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTER ROOM NCP NO. 2 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.4 VAC
Charger control panel 26.53 VDC
Battery back up 26.50 VDC (Replace Battery 30/3/26)
* Selector ทำงานตอน smoke cross zone
* By pass pressure gauge by tank no 5,18,27,28,39,75,78,101
* Smoke test อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 5 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTTER ROOM NCP NO. 2 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	US	US	cross zone detector discharge 45 sec อุปกรณ์เสีย test ไม่ส่ง alarm = 5 ea
2	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	US	US	
3	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	US	US	
4	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	US	US	
5	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	US	US	
6	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
7	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
8	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
9	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
10	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
11	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
12	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
13	MCL-2 MAIN EER ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
14	MCL-2 MAIN EER ROOM		BELL	S	S	first alarm
15	MCL-2 MAIN EER ROOM		HORN&STOBE	S	S	second alarm
16	MCL-2 MAIN EER ROOM		Solenoid Valve	S	S	to dischage
17	MCL-2 MAIN EER ROOM		ABORT.SW	S	S	to reset panel
18	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
19	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : test function and clean detector
system is normal
No.5,18,27,28,39,41 pressure gauge was broken
* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1, Alarm 2 Bell ดังยาว
* Discharge Bell ดังยาว
* Stobe/horn alarm 2 ดังเป็นเพ้าท์
* Stobe/horn discharge ดังเร็วถี่ขึ้น (OP84)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER COATING POT ROOM EER ROOM ใต้ดิน NCP NO. 3 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.6 VAC
Charger control panel 26.65 VDC
Battery back up 26.61 VDC (Replace Battery 30/3/26)
**By pass pressure gauge by tank no. 1,2,3,10,11,15

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER COATING POT ROOM NCP NO. 3 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MAIN EER COATING POT ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	MAIN EER COATING POT ROOM	ZONE2	SMOKE	S	S	
3	MAIN EER COATING POT ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
4	MAIN EER COATING POT ROOM		BELL	S	S	first alarm
5	MAIN EER COATING POT ROOM		HORN&STOBE	S	S	second alarm
6	MAIN EER COATING POT ROOM		Solenoid Valve	S	S	to discharge
7	MAIN EER COATING POT ROOM		ABORT.SW	S	S	to reset panel

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1, Alarm 2 Bell ดังยาว
* Discharge Bell ดังยาว
* Stobe/horn alarm 2 ดังเป็นเพ้าท์
* Stobe/horn discharge ดังเร็วถี่ขึ้น

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 MAIN EER PREMELT ROOM NCP NO. 4 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.4 VAC
Charger control panel 26.59 VDC
Battery back up 26.55 VDC (Replace Battery 30/3/26)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 PREMALT ROOM NCP NO. 4 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MAIN EER PREMELT ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	MAIN EER PREMELT ROOM	ZONE2	SMOKE	S	S	
3	MAIN EER PREMELT ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
4	MAIN EER PREMELT ROOM		BELL	S	S	first alarm
5	MAIN EER PREMELT ROOM		HORN&STOBE	S	S	second alarm
6	MAIN EER PREMELT ROOM		Solenoid Valve	S	S	to discharge
7	MAIN EER PREMELT ROOM		ABORT.SW	S	S	to reset panel

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1, Alarm 2 discharge bell ดังยาว
* Alarm 2 stobe/horn ดังเป็นเพ้าท์
* Discharge stobe/horn ดังเร็วถี่ขึ้น

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 ENTRY MAIN EER ROOM PLC&COMPUTTER ROOM NCP NO. 5 Potter

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.6 VAC
Charger control panel 27.27 VDC
Battery back up 27.22 VDC (Start using 22/10/25)
* Smoke detector zone 2 อุปกรณ์เสีย 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 ENTRY MAIN EER ROOM PLC&COMPUTTER ROOM NCP NO. 5 Potter

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	ENTRY PLC&COMPUTTER ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	ENTRY PLC&COMPUTTER ROOM	ZONE2	SMOKE	S	S	
3	ENTRY PLC&COMPUTTER ROOM	ZONE1	SMOKE	S	S	
4	ENTRY PLC&COMPUTTER ROOM	ZONE2	SMOKE	US	US	อุปกรณ์เสีย
5	ENTRY PLC&COMPUTTER ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
6	ENTRY PLC&COMPUTTER ROOM		BELL	S	S	first alarm
7	ENTRY PLC&COMPUTTER ROOM		HORN&STOBE	S	S	second alarm
8	ENTRY PLC&COMPUTTER ROOM		Solenoid Valve	S	S	to dischage
9	ENTRY PLC&COMPUTTER ROOM		ABORT.SW	S	S	remain 10 sec

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

* Smoke detector cross zone delay times 45 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* Alarm 1 bell ทำงาน
* Alarm 2 stobe/horn ทำงานยาว
* Discharge bell, stobe/horn ดังยาว

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 ENTRY MAIN EER ROOM NCP NO. 6 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.6 VAC
Charger control panel 27.29 VDC
Battery back up 27.26 VDC (Replace Battery 22/10/25)
**By pass pressure gauge by tank no18,27,28,39,49,75,78,101
* Smoke test อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2ENTRY MAIN EER.ROOM NCP NO. 6 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	ENTRY MAIN EER. ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	ENTRY MAIN EER. ROOM	ZONE2	SMOKE	US	US	อุปกรณ์เสีย test ไม่ส่ง alarm
3	ENTRY MAIN EER. ROOM	ZONE1	SMOKE	S	S	
4	ENTRY MAIN EER. ROOM	ZONE2	SMOKE	S	S	
5	ENTRY MAIN EER. ROOM	ZONE1	SMOKE	S	S	
6	ENTRY MAIN EER. ROOM	ZONE2	SMOKE	S	S	
7	ENTRY MAIN EER. ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
8	ENTRY MAIN EER. ROOM		BELL	S	S	first alarm
9	ENTRY MAIN EER. ROOM		HORN&STOBE	S	S	second alarm
10	ENTRY MAIN EER. ROOM		Solenoid Valve	S	S	to discharge
11	ENTRY MAIN EER. ROOM		ABORT.SW	S	S	to reset panel
			Selector	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : * Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (COATING PORT EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	COATING PORT EER ROOM (Master Tank)	1573338 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
2	COATING PORT EER ROOM	1573483 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
3	COATING PORT EER ROOM	1573557 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
4	COATING PORT EER ROOM	1573170 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
5	COATING PORT EER ROOM	1573091 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
6	COATING PORT EER ROOM	1573185 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
7	COATING PORT EER ROOM	1573634 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
8	COATING PORT EER ROOM	1573498 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
9	COATING PORT EER ROOM	1573503 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
10	COATING PORT EER ROOM	1573577 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
11	COATING PORT EER ROOM	1573379 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
12	COATING PORT EER ROOM	1573837 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
13	COATING PORT EER ROOM	1573166 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
14	COATING PORT EER ROOM	1573347 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
15	COATING PORT EER ROOM	1573540 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 15 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2(PLC&COM Room, ENTRY EER)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	PLC &COM ROOM (Master Tank)	1573508 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
2	PLC &COM ROOM	1573673 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
3	PLC &COM ROOM	1573669 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
4	PLC &COM ROOM	1573518 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
5	PLC &COM ROOM	1573604 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
6	PLC &COM ROOM	1573425 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
7	PLC &COM ROOM	1573564 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
8	PLC &COM ROOM	1573568 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 8 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PLC & COMPUTOR ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	Main PLC & COMPUTOR ROOM (Master)	1559684 UT	S	228 Bar	Dec-03		ควรนำไป Hydro test และ Refill
2	Main PLC & COMPUTOR ROOM	1559786 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
3	Main PLC & COMPUTOR ROOM	1559688 UT	S	225 Bar	Dec-03		ควรนำไป Hydro test และ Refill
4	Main PLC & COMPUTOR ROOM	1559744 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
5	Main PLC & COMPUTOR ROOM	1560120 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
6	Main PLC & COMPUTOR ROOM	1559736 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 6 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PREMALT ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	PREMALT ROOM (Master Tank)	1573547 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
2	PREMALT ROOM	1573504 UT	S	225 Bar	Dec-03		ควรนำไป Hydro test และ Refill
3	PREMALT ROOM	1573433 UT	S	225 Bar	Dec-03		ควรนำไป Hydro test และ Refill
4	PREMALT ROOM	1573406 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 4 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 2 EER ROOM (Master Tank)	1573268 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
2	MCL 2 EER ROOM	1573249 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
3	MCL 2 EER ROOM	1573088 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
4	MCL 2 EER ROOM	1559588 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
5	MCL 2 EER ROOM	1573348 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
6	MCL 2 EER ROOM	1559993 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
7	MCL 2 EER ROOM	1560025 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
8	MCL 2 EER ROOM	1559959 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
9	MCL 2 EER ROOM	1573333 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
10	MCL 2 EER ROOM	1573259 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
11	MCL 2 EER ROOM	1573145 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
12	MCL 2 EER ROOM	1573188 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
13	MCL 2 EER ROOM	1573205 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
14	MCL 2 EER ROOM	1573087 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
15	MCL 2 EER ROOM	1573204 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
16	MCL 2 EER ROOM	1573199 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
17	MCL 2 EER ROOM	1560141 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
18	MCL 2 EER ROOM	1559946 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
19	MCL 2 EER ROOM	1560058 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
20	MCL 2 EER ROOM	1559915 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
21	MCL 2 EER ROOM	1559651 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
22	MCL 2 EER ROOM	1573374 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
23	MCL 2 EER ROOM	1573355 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
24	MCL 2 EER ROOM	1573271 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
25	MCL 2 EER ROOM	1573220 UT	S	240 bar	Dec-03		ควรนำไป Hydro test และ Refill
26	MCL 2 EER ROOM	1559934 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
27	MCL 2 EER ROOM	1560119 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
28	MCL 2 EER ROOM	1573247 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
29	MCL 2 EER ROOM	1573331 UT	S	215 bar	Dec-03		ควรนำไป Hydro test และ Refill
30	MCL 2 EER ROOM	1560070 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 30 ถัง**

* Pressure gauge ถัง Item no. 1-24 ด้านหน้า gauge เริ่มเสื่อมสภาพมองไม่ชัดเจน จำนวน 24 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL 2 EER ROOM	1559711 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
32	MCL 2 EER ROOM	1558695 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
33	MCL 2 EER ROOM	1559757 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
34	MCL 2 EER ROOM	1559701 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
35	MCL 2 EER ROOM	1559700 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
36	MCL 2 EER ROOM	1559917 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
37	MCL 2 EER ROOM	1559699 UT	S	250 bar	Dec-03		ควรนำไป Hydro test และ Refill
38	MCL 2 EER ROOM	1573274 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
39	MCL 2 EER ROOM	1573354 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
40	MCL 2 EER ROOM	1573312 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
41	MCL 2 EER ROOM	1573104 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
42	MCL 2 EER ROOM	1573281 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
43	MCL 2 EER ROOM	1573657 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
44	MCL 2 EER ROOM	1573488 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
45	MCL 2 EER ROOM	1573392 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
46	MCL 2 EER ROOM	1573394 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
47	MCL 2 EER ROOM	1573377 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
48	MCL 2 EER ROOM (Master Tank)	1573613 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
49	MCL 2 EER ROOM (Master Tank)	1573441 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
50	MCL 2 EER ROOM	1573324 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
51	MCL 2 EER ROOM	1559613 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
52	MCL 2 EER ROOM	1559941 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
53	MCL 2 EER ROOM	1559970 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
54	MCL 2 EER ROOM	1573671 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
55	MCL 2 EER ROOM	1559830 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
56	MCL 2 EER ROOM	1560099 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
57	MCL 2 EER ROOM	1559820 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
58	MCL 2 EER ROOM	1559977 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
59	MCL 2 EER ROOM	1559745 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
60	MCL 2 EER ROOM	1560115 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 30 ถัง**

* Pressure gauge ถัง Item no. 50, 51, 52, 54, 55, 56, 57, 58, 59, 60 ด้านหน้า gauge เริ่มเสื่อมสภาพมองไม่ชัดเจน จำนวน 10 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
61	MCL 2 EER ROOM	1573376 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
62	MCL 2 EER ROOM	1573597 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
63	MCL 2 EER ROOM	1560006 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
64	MCL 2 EER ROOM	1559998 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
65	MCL 2 EER ROOM	1559856 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
66	MCL 2 EER ROOM	1559939 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
67	MCL 2 EER ROOM	1573560 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
68	MCL 2 EER ROOM	1573350 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
69	MCL 2 EER ROOM	1559717 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
70	MCL 2 EER ROOM	1559954 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
71	MCL 2 EER ROOM	1573269 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
72	MCL 2 EER ROOM	1573210 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
73	MCL 2 EER ROOM	1573579 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
74	MCL 2 EER ROOM	1560056 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
75	MCL 2 EER ROOM	1559686 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
76	MCL 2 EER ROOM	1573616 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
77	MCL 2 EER ROOM	1573370 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
78	MCL 2 EER ROOM	1573402 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
79	MCL 2 EER ROOM	1573534 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
80	MCL 2 EER ROOM	1573617 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
81	MCL 2 EER ROOM	1573666 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
82	MCL 2 EER ROOM	1560114 UT	S	212 bar	Dec-03		ควรนำไป Hydro test และ Refill
83	MCL 2 EER ROOM	1560146 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
84	MCL 2 EER ROOM	1559843 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
85	MCL 2 EER ROOM	1560040 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
86	MCL 2 EER ROOM	1559857 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
87	MCL 2 EER ROOM	1560003 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
88	MCL 2 EER ROOM	1559935 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
89	MCL 2 EER ROOM	1560029 UT	S	212 bar	Dec-03		ควรนำไป Hydro test และ Refill
90	MCL 2 EER ROOM	1559690 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 30 ถัง**

* Pressure gauge ถัง Item no. 61,62,63,64,65,66,67,68,69,70,71,72,73,75,77,78 ด้านหน้า gauge เริ่มเสื่อมสภาพมองไม่ชัดเจน จำนวน 16 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 21 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
91	MCL 2 EER ROOM	1559687 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
92	MCL 2 EER ROOM	1559597 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
93	MCL 2 EER ROOM	1559918 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
94	MCL 2 EER ROOM	1559697 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
95	MCL 2 EER ROOM	1560034 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
96	MCL 2 EER ROOM	1573090 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
97	MCL 2 EER ROOM	1573306 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
98	MCL 2 EER ROOM	1560083 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
99	MCL 2 EER ROOM	1559800 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
100	MCL 2 EER ROOM	1573363 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
101	MCL 2 EER ROOM	1573102 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
102	MCL 2 EER ROOM	1573332 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
103	MCL 2 EER ROOM	1573360 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
104	MCL 2 EER ROOM	1560106 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
105	MCL 2 EER ROOM	1559983 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
106	MCL 2 EER ROOM	1573529 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
107	MCL 2 EER ROOM	1573644 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
108	MCL 2 EER ROOM (Master Tank)	1573495 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 18 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST NITROGEN SYSTEM

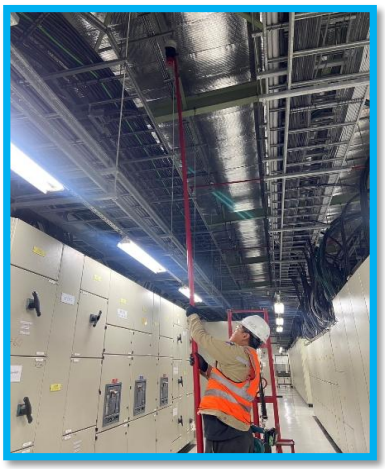


Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

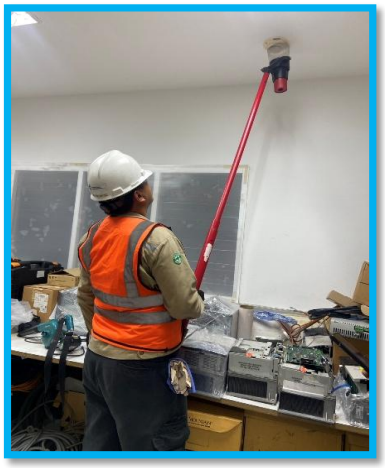
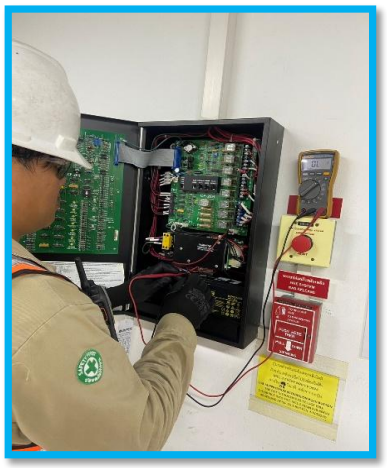

	

Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

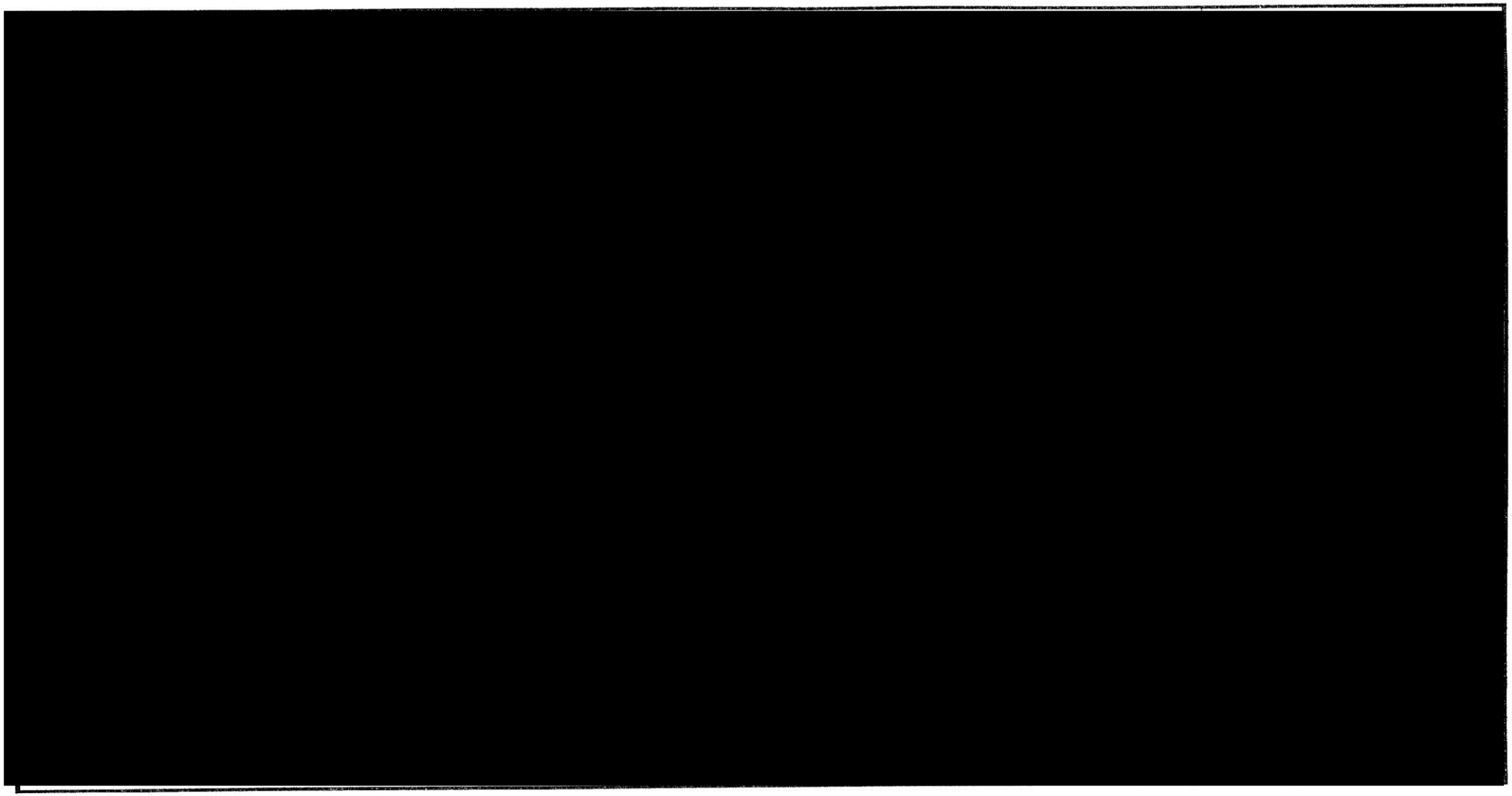
Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DELUGE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

SYSTEM COMPONENTS



TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR DELUGE SYSTEM

1 Spray Nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. Pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

4 Gauges : Note condition of gauges. Record water pressure (PSI)

5 Flow Test : Conduct full flow test. Assure system operates properly and record operation time.

6 Deluge Valve : Internal inspect deluge or preaction valve. Verify that all components operate, properly, move freely and in good condition. If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe un der " Remark "

7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

8 Deluge Supervisory Panel and equipments appear operation. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

AUTOMATIC SPRINKLER SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR AUTOMATIC SPRINKLER SYSTEM(WET PIPE)

1 Sprinkler nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no obstructions, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
4 Gauges : Note condition of gauges. Record water pressure (PSI)	
5 Flow Test : Conduct full flow test at test valve for ensure alarm gong or pressure switch work properly in alarm function	
6 Alarm Valve: Internal inspect alarm valve. Verify that all components to proper operate ,move freely and in good condition If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under "remark"	S
7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S
8 Main drain valve: check main drain valve are in close position and no leak	
9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S

Inspector By: Subin, Wachira, Somkid, Anucha, Anuchit

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **22 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzle	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
1	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	S	N/A	150	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	
2	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	S	N/A	150	145	N/A	N/A	N/A	S	S	S	S	N/A	N/A	
3	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	S	N/A	150	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	
4	AV-LISTED 461A 2.5	CRM .EXIT DUCT	S	N/A	S	160	175	N/A	N/A	S	S	S	S	S	N/A	N/A	
5	DV-LISTED 461A 2.5	CRM-CELLA	S	N/A	S	160	165	N/A	N/A	S	S	S	S	S	N/A	N/A	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **22 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzle	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
6	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	S	
7	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	S	
8	DV-LISTED 457.A 2.6	CRM .BLDG	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	S	
9	AV-LISTED 461A 2.5	CRM .EXIT DUCT	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	S	
10	AV-LISTED 461A 2.5	MCL1 cable cella	N/A	N/A	N/A	165	170	N/A	N/A	N/A	S	S	S	S	S	S	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **22 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzle	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
11	DV-LISTED457A 2.5	CPL-PAINT ROOM	N/A	S	N/A	155	175	N/A	N/A	N/A	S	S	S	S	S	S	
12	DV-LISTED457A 2.5	CPL-PAINT ROOM	N/A	S	N/A	155	170	N/A	N/A	N/A	S	S	S	S	S	S	
13	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone1
14	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone8
15	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone9

Remark : NO.13,14,15 Deluge valve close to mcl-2 process bldg.
Zone 1, 8 ,9

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **22 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
16	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone2
17	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone3
18	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone4
19	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone5
20	INBAL 799DG-04A01 4.0	MCL-2premelt	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone6

Remark :
**NO.16,17,18,19,20 Deluge valve close to mcl-2 process bldg.
Zone 2, 3, 4, 5, 6

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **22 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
21	INBAL 799DG-04A01 4.0	MCL-2entry	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone7
22	INBAL 799DG-04A01 4.0	MCL-2entry	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone14
23	INBAL 799DG-04A01 4.0	MCL-2entry	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone13
24	INBAL 799DG-04A01 4.0	MCL-2ingot	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone16
25	INBAL 799DG-04A01 4.0	MCL-2 worke shop	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone15

Remark :
**NO.21,22,23,24,25 Deluge valve close to mcl-2 process bldg.
Zone 7, 14, 13, 16, 15

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **22 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
26	INBAL 799DG-04A01 4.0	MCL-2 worke shop	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone12
27	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone11
28	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone10
29	AV-LISTED 467A 4.0	MCL-2genarator	S	N/A	S	135	175	N/A	N/A	S	S	S	S	S	N/A	N/A	
30	AV-LISTED 467A 2.5	MCL-1genarator	S	N/A	N/A	N/A	N/A	N/A	N/A	S	S	S	S	S	N/A	N/A	

Remark : NO.26,27,28 Deluge valve close to mcl-2 process bldg.
Zone 12, 11, 10

* Alarm valve no. 30 pressure gauge ชำรุด 2 ตัว
(Pressure gauge บนเข็มไม่ตรง , Pressure gauge ล่างเข็มหลุด)

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **22 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
31	AV-LISTED	MCL-1 fire pump room	S	N/A	S	155	170	N/A	N/A	S	S	S	S	S	N/A	N/A	
32	DV-LISTED	CRM-Mill housing	S	N/A	S	155	165	N/A	N/A	S	S	S	S	S	S	S	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM MILL MAIN MOTOR POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check selector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent quantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.58 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM,PIT#1 ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.49 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM,PIT#2 ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.57 vdc. (Use since 1/4/25)Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM,PIT#3 ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.29 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM-MILL HOUSING POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 27.33 vdc (Use since 30/4/24) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1 MAIN EER.CABEL CELLA ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe the container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.87 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1 MAIN EER.CABEL CELLA ROOM POTER TFC SERIES

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	cross zone detector discharge 30sec
2	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
3	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
4	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
5	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
6	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
7	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
8	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
9	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
10	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
11	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
12	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
13	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
14	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
15			MANUAL	N/A	N/A	to discharge
16			BELL	N/A	N/A	first alarm
17			HORN&STOBE	N/A	N/A	second alarm
18			Solenoid Valve	N/A	N/A	to discharge

S = Satisfactory US= Unsatisfactory N/A = Not Applicable

Remark : didn't perform function test on detector as it was production area

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STOR LOWER ROOM NOTIFIER RP-2002

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 27.30 vdc. (Use since 06/2023) Clean & check system control
control panel system normal
* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STOR LOWER ROOM POTER TFC SERIES

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CPL-LOWER ROOM	ZONE1	FLAME DETECTOR	N/A	N/A	cross zone detector discharge 30sec
2	CPL-LOWER ROOM	ZONE2	FLAME DETECTOR	N/A	N/A	
3	CPL-LOWER ROOM	ZONE1	FLAME DETECTOR	N/A	N/A	
4	CPL-LOWER ROOM	ZONE2	FLAME DETECTOR	N/A	N/A	
5			MANUAL 1	N/A	N/A	30 sec to discharge
6			MANUAL 2	N/A	N/A	30 sec to discharge
7			BELL	N/A	N/A	first alarm
8			HORN&STOBE	N/A	N/A	second alarm
9			Solenoid Valve	N/A	N/A	to discharge
10			MANUAL 3	N/A	N/A	30 sec to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Didn't perfrom function test on detector as it was production area

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STORE UPPER NOTIFIER RP-2002

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	S	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 27.35 vdc. (Use since 06/2023) Clean & check system control
control panel system normal
* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 22 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STORE UPPER POTER TFC SERIES

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CPL.PAINT STORE UPPER RM.	ZONE1	FLAME DETECTOR	N/A	N/A	cross zone detector discharge 30sec
2	CPL.PAINT STORE UPPER RM.	ZONE2	FLAME DETECTOR	N/A	N/A	
3	CPL.PAINT STORE UPPER RM.	ZONE1	FLAME DETECTOR	N/A	N/A	
4	CPL.PAINT STORE UPPER RM.	ZONE2	FLAME DETECTOR	N/A	N/A	
5	CPL.PAINT STORE UPPER RM.		MANUAL 1	N/A	N/A	30 sec to discharge
6	CPL.PAINT STORE UPPER RM.		BELL	N/A	N/A	first alarm
7	CPL.PAINT STORE UPPER RM.		HORN&STOBE	N/A	N/A	second alarm
8	CPL.PAINT STORE UPPER RM.		Solenoid Valve	N/A	N/A	to discharge
9			MANUAL 2	N/A	N/A	30 sec to discharge
10			MANUAL 3	N/A	N/A	30 sec to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Didn't perfrom function test on detector as it was production area

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST AUTOMATIC SPRINKLER & ALARM VALVE SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HYDRANT SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 22 May 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9	
		FIRE PUMP ROOM	*CPL-Pant Store)*	*CPL.BLDG*	*MCL-1*	*PKL-OP15*	*CHEMICAL STORE*	*CRM. Cooling fower*	*PKL-OP-18*	*PKL-OP-15*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: **no.5 and no.6 cancel this 2 points

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 22 May 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.10	NO.11	NO.12	NO.13	NO.14	NO.15	NO.16	NO.17	NO.18	
		Chemical Store	*STORE*	*PKL-OP05*	*CRM-OP/2*	*CANTEEN*	*MCL1-OP-53*	*CRM-OP-57*	*CRM-OP-61*	*ADMIN BLDG*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**US**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Fire hydrant no. 14 canteen ฝา cap แตกชำรุด 1 ea
* Test hydrant no. 18
* Test hydrant no. 10

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 22 May 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25	NO.26	NO.27	
		ADMIN BLDG	*MCL-2 OP-72*	*MCL-2 OP/74*	*mcl-2/op88*	*mcl-2/op89*	*mcl-2/hose 43*	*mcl-2/hose 44*	*mcl-2/hose 45*	*mcl-2/hose 46*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 22 May 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.28	NO.29	NO.30	NO.31	NO.32	NO.33	NO.34	NO.35	NO.36	
		mcl-2/hose 47	*mcl-2/hose 48*	*mcl-2/hose 49*	*mcl-2/hose 50*	*mcl-2/hose 51*	*mcl-2/hose 52*	*mcl-2/hose 53*	*mcl-2/hose 54*	*mcl-2/hose 55*	
Flangs	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Gasket	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Bolt&Nut	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Piping	- Corrosion	S	S	S	S	S	S	S	S	S	
	- Thread	S	S	S	S	S	S	S	S	S	
	- Leakage	S	S	S	S	S	S	S	S	S	
Valve	- Handle	S	S	S	S	S	S	S	S	S	
	- Leakage	S	S	S	S	S	S	S	S	S	
	- Stem Packing	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	
Coupling	- Seal Condition	S	S	S	S	S	S	S	S	S	
	- Leakage	S	S	S	S	S	S	S	S	S	
	- Connector Locker	S	S	S	S	S	S	S	S	S	
	-Cap	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 22 May 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.37	NO.38								
		mcl-2/hose 56	*CRM*								
Flangs	- Corrosion	**N/A**	**N/A**								
	- Gasket	**N/A**	**N/A**								
	- Bolt&Nut	**N/A**	**N/A**								
Piping	- Corrosion	**S**	**S**								
	- Thread	**S**	**S**								
	- Leakage	**S**	**S**								
Valve	- Handle	**S**	**S**								
	- Leakage	**S**	**S**								
	- Stem Packing	**S**	**S**								
	- Corrosion	**S**	**S**								
Coupling	- Seal Condition	**S**	**S**								
	- Leakage	**S**	**S**								
	- Connector Locker	**S**	**S**								
	-Cap	**S**	**S**								

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HYDRANT SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE CABINET AND HOSE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE CABINET AND FIRE HOSE

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 22 May 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO,2	NO.3							
		STORE CHEMICAL	*STORE - Point*	*CRM*							
Cabinet	- Corrosion	**S**	**S**	**S**							
	- Door	**S**	**S**	**S**							
	- Key lock	**S**	**S**	**S**							
support	- Corrosion	**S**	**S**	**S**							
	Condition	**S**	**S**	**S**							
hose	Coupling	**S**	**S**	**S**							
	Connector Locker	**S**	**S**	**S**							
	Seal condition	**S**	**S**	**S**							
	Hydrostatic test 300 psi size 1.5"	**N/A**	**N/A**	**N/A**							
	Hydrostatic test 300 psi size 2.5"	**N/A**	**N/A**	**N/A**							
nozzel	- Leakage	**S**	**S**	**N/A**							
	- Condition	**S**	**S**	**N/A**							
	- Corrosion	**S**	**S**	**N/A**							

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: No. 1 สาย 1.5 จำนวน 2 เส้น หัวฉีด 1 หัว No. 2 สาย 1.5 จำนวน 2 เส้น หัวฉีด 1 หัว No. 3 สาย 1.5 จำนวน 2 เส้น ไม่มีหัวฉีด

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE CABINET AND HOSE SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 22 May 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9	
		MCL-1CHEMICAL	*CPL-PAINT STORE*	*CPL-.DOOR OP/46*	*CPL-.DOOR OP/44*	*CPL-.DOOR G2/13*	*CPL-.DOOR OP/43*	*CPL-PACKING*	*CPL-PACKING*	*CPL-PACKING*	
Cabinet	- Corrosion	S	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	S	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	S	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	S	S	S	S	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzel	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Test hose reel no. 2 29/4/26

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 22 May 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.10	NO.11	NO.12	NO.13	NO.14	NO.15	NO.16	NO.17	NO.18	
		MCL-1 SFIP-4	*MCL-1 N/32*	*MCL-1 N/39*	*MCL1-N/43*	*MCL2-PULPIT Room*	*CRM-OP/28*	*CRM-OP/21*	*PKL-EER ROOM*	*PKL-OP/16*	
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzle	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Test hose reel no. 15 29/4/26

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel

Date : 22 May 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25	NO.26	NO.27	
		PAINT SERVISES	*STORE W/HOP/9*	*PKL- OP/7*	*PKL-OP/5*	*PKL-OP/4*	*PKL-AH/4*	*CRM-OP/2*	*CRM-AH/51*	*CRM-OP/65*	
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	US	US	US	US	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzel	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * No. 26 ข้อต่อ 90° สำหรับท่อ fire hose reel ขนาด 1" ถูกกัดกร่อนเป็นสนิม

* No. 23, 24, 25 ท่อสำหรับ fire hose reel ขนาด 1" ด้าน ball valve เกลี่ยวถูกกัดกร่อนเป็นสนิม

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 22 May 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.28	NO.29	NO.30	NO.31	NO.32	NO.33	NO.34	NO.35	NO.36	
		CRM-OP/64	*CRM-OP/62*	*CRM-OP/59*	*CRM-OP/57*	*MCL 1*	*MCL 1*	*MCL 1*	*MCL 1*	*MCL 1*	
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzel	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel

Date : 22 May 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.37	NO.38	NO.39	NO.40	NO.41	NO.42	NO.43	NO.44	NO.45	
		SUPPORT BLDG	*SAFETY*	*SUPPORT BLDG*	*SAFETY*	*ADMIN BLDG*	*ADMIN BLDG*	*MCL-2 ingot*	*MCL-2 INGOT*	*MCL-2 EAST ZONE*	
Cabinet	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**N/A**	
	- Door	**S**	**S**	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**N/A**	
	- Key lock	**S**	**S**	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzel	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Test hose reel no. 41,42

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel
Date : 22 May 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.46	NO.47	NO.48	NO.49	NO.50	NO.51	NO.52	NO.53	NO.54	
		MCL-2 EAST ZONE	*MCL2-CENTRAL*	*MCL2-CENTRAL*	*MCL-2 WEST ZONE*	*MCL-2 WEST ZONE*	*MCL-2 WEST ZONE*	*MCL2-CENTRAL*	*MCL2-CENTRAL*	*MCL2-MAIN EER*	
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzle	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 22 May 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.								REMARKS
		NO.55	NO.56	NO.57	NO.58	NO.59	NO.60	NO.61		
		MCL-2 EAST ZONE	*MCL-2 EAST ZONE*	*CRM-EAST ZONE*	*MCL-1 Fl.3*	*MCL Fl.4*	*MCL Fl.5*	*CRM-CABLE CELLA*		
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**		
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**		
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**		
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Nozzel	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**		

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

remark: * Test hose reel no. 41,42

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE REEL SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE PUMP

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ENGINE FIRE PUMP SYSTEM NO.1

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

ENGINE BRAND	**CUMMINS**	MODEL	**4BT39**	SERIAL No.	**21246806**
RATING	**-**	SPEED	**2900**	RPM.	
PUMP BRAND	**KSB AJAX PUMP**	MODEL	**MEGA-2000**	SERIAL N	
FLOW RATE	**750 GPM**	SUCTION DIA.	**6"**	DISCHARGE DIA.	**6"**
DESIGN PRESSURE	**120**	SPEED		RPM.	
CONTROL PANEL BRAND	**POWER CONTROL**	MODEL	**PC 1000**	SERIAL No.	**325-102007**
ELECTRICAL SYSTEM	**220**	VOLTS.	**NEG**	GROUND	.....

MONTHLY PREVENTATIVE MAINTENANCE

ENGINE

ITEM	DESCRIPTION		
1	WATER TEMPERATURE		65 ^{0}C
2	WATER LEVEL		Normal
3	OIL LEVEL		Normal
4	OIL PRESSURE		75
5	VOLTS. (CHARGING ALTERNATOR)		26.7, 26.8
6	AMP.(CHARGING ALTERNATOR)		Normal
7	SPEED RUNNING		2771
8	HOUR RUNNING	ก่อน test 1724.2	1724.8
9	FUEL LEVEL	3 / 4 OR 80%	90%
10	BATTERY ELECTROLYTE		Normal
11	CHECKED FOR WATER LEAK		Normal
12	CHECKED FOR FUEL LEAK		Normal
13	CHECKED FOR OIL LEAK		Normal
14	CLEANED		Normal

PUMP

ITEM	DESCRIPTION		
1	VISUAL CHECKED		Normal
2	BEARING TEMPERATURE		48/45 ^{0}C
3	DISCHARGE PRESSURE		145
4	SUCTION PRESSURE		0 Psi
5	NOISE		Normal
6	COUPLING		Normal
7	CHECKED FOR WATER LEAK	#	Normal
8	CHECKED PIPE & CONNECTOR		Normal
9	CHECKED PACKING SEAL	#	Normal
10	CHECKED FOR LUBRICATE		Normal
11	CHECKED FOR CORROSION		Normal
12	CLEANED		Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	CLEANED	Normal
2	LAMP TESTED	Normal
3	CHECKED POWER SUPPLY	Normal
4	BATTERY CHARGER	Normal

CONTROL PANEL(CONTINUE)

ITEM	DESCRIPTION	
5	VOLTS. (CHARGER) BATT.1 / BATT.2	28.0,28.0
6	AMP.(CHARGER) BATT.1 / BATT.2	0.5/0.2
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	90 Psi

RECOMMENDATION

Check condition of pump and cleaning

Function test pump manual / auto

The function system working properly

* เปลี่ยน spare part (3/7/24)

Start using battery 3/7/24

Subin, Pattanasit, Somkid, Anuchit, Perakant

04-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ENGINE FIRE PUMP SYSTEM NO.2

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

ENGINE BRAND	**IVECO**	MODEL	**966819**	SERIAL No.	**8061SR1400D**
RATING	**-**	SPEED	**-**	RPM.	
PUMP BRAND	**IDEAL**	MODEL	**CPR 150-300 TAN**	SERIAL No.	**264183-05**
FLOW RATE	**1500 GPM**	SUCTION DIA.	**8"**	DISCHARGE DIA.	**8"**
DESIGN PRESSURE	**120**	SPEED	**-**	RPM.	
CONTROL PANEL BRAND	**Diesel Engine**	MODEL	**PC-1000**	SERIAL No.	**SIN519112021**
ELECTRICAL SYSTEM	**230**	VOLTS.	**NEG**	GROUND	.....

MONTHLY PREVENTATIVE MAINTENANCE

ENGINE

ITEM	DESCRIPTION		
1	WATER TEMPERATURE		78 ^{0}C
2	WATER LEVEL		Normal
3	OIL LEVEL		Normal
4	OIL PRESSURE		4.5 Bar
5	VOLTS. (CHARGING ALTERNATOR)		13.6, 13.7
6	AMP.(CHARGING ALTERNATOR)		Normal
7	SPEED RUNNING		2867
8	HOUR RUNNING	ก่อน test	112.9
9	FUEL LEVEL	3 / 4 OR 80%	90%
10	BATTERY ELECTROLYTE		Normal
11	CHECKED FOR WATER LEAK		Normal
12	CHECKED FOR FUEL LEAK		Normal
13	CHECKED FOR OIL LEAK		Normal
14	CLEANED		Normal

PUMP

ITEM	DESCRIPTION		
1	VISUAL CHECKED		Normal
2	BEARING TEMPERATURE		51/56 ^{0}C
3	DISCHARGE PRESSURE		150
4	SUCTION PRESSURE		N/A
5	NOISE		Normal
6	COUPLING		Normal
7	CHECKED FOR WATER LEAK	#	Normal
8	CHECKED PIPE & CONNECTOR		Normal
9	CHECKED PACKING SEAL	#	Normal
10	CHECKED FOR LUBRICATE		Normal
11	CHECKED FOR CORROSION		Normal
12	CLEANED		Normal
13			
14			

CONTROL PANEL

ITEM	DESCRIPTION	
1	CLEANED	Normal
2	LAMP TESTED	Normal
3	CHECKED POWER SUPPLY	Normal
4	BATTERY CHARGER	Normal

CONTROL PANEL(CONTINUE)

ITEM	DESCRIPTION	
5	VOLTS. (CHARGER) BATT.1 / BATT.2	13.2 , 13.1
6	AMP.(CHARGER) BATT.1 / BATT.2	0.5 , 0.5
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	75 Psi

RECOMMENDATION

* Function test pump manual / auto running time in 30 mins.
* เปลี่ยน spare part (31/7/24)
* Battery start using 25/12/24
* Air vent สำหรับ pump no. 2 เสื่อมสภาพ มีน้ำรั่วซึม

Subin, Pattanasit, Somkid, Anuchit, Perakant

04-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR FIRE PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	TECO ELECT & MACH	MODEL	EEB-UC002			SERIAL No.	C50132-1T
RATING		SPEED	2955			RPM.	
ELECTRICAL SYSTEM	380 VAC	VOLTS.	50	Hz.	150	AMP.	
PUMP BRAND	KSB PUMP	MODEL	B42670012P19820			SERIAL No.	9603128
FLOW RATE	HAED	SUCTION DIA.	6"			DISCHARGE DIA.	6"
DESIGN PRESSURE		SPEED				RPM.	
CONTROL PANEL BRAND	POWER CONTROL	MODEL	FC 3000			SERIAL No.	085-102007
ELECTRICAL SYSTEM	380 VAC	VOLTS.	NEG			GROUND	.....

MONTHLY PREVENTATIVE MAINTENANCE

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	32/31 °C
3	VOLTS	390, 389, 390
4	AMP.	142, 146, 149
5	SPEED RUNNING (RPM.)	2981 RPM
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	35/34 °C
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	100 Psi

RECOMMENDATION

Test auto run electric pump 10 Min

Cleaned to motor pump and check magnatic terminal

Subin, Pattanasit, Somkid, Anuchit, Perakant

04-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR JOCKEY PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	**GRUNFOS**	MODEL	**TMG.112MB2-MB2-28FT130 C'**			SERIAL No.	**85815313**
RATING	**5.5 HP**	SPEED		**2900**		RPM.	
ELECTRICAL SYSTEM	**380-415**	VOLTS.	**50**	Hz.	**8**	AMP.	
PUMP BRAND	**GRUNFOS**	MODEL	**B42670012 P19820**			SERIAL No.	**9603217**
FLOW RATE	9.5 M3/H	SUCTION DIA.		**1 1/2"**		DISCHARGE DIA.	**1 1/2"**
DESIGN PRESSURE	99.9 M	SPEED		**2900**		RPM.	
CONTROL PANEL BRAND	**POWER CONTROL**	MODEL		FC 3000		SERIAL No.	058-102008
ELECTRICAL SYSTEM	**380-415**	VOLTS.		**NEG**		GROUND	.....

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	36 ^{0}C
3	VOLTS	395, 395, 397
4	AMP	7.3, 7.1, 7.1
5	SPEED RUNNING (RPM.)	2664
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	N/A
3	DISCHARGE PRESSURE	150
4	SUCTION PRESSURE	N/A
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	115 Psi
	CUT OFF	150 Psi

RECOMMENDATION

Cleaned to motor pump and check magnatic terminal

Function tes pump Auto/Manual normal

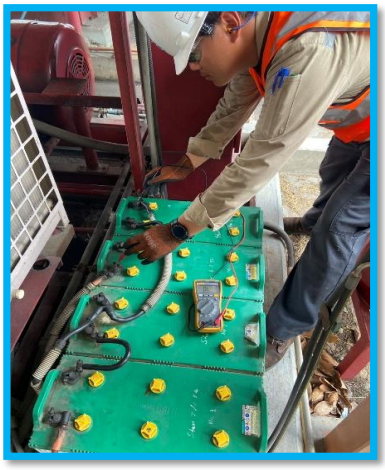
Subin, Pattanasit, Somkid, Anuchit, Perakant

04-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE PUMP SYSTEM

		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency light

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remark
1	EML 001	Emergency Lighting	wast water treatment	S	S	S	S	S	
2	EML 002	Emergency Lighting	ware house op/11	S	S	S	S	S	
3	EML 003	Emergency Lighting	ware house	US	US	US	US	US	อุปกรณ์เสีย (ควรย้ายตำแหน่ง)
4	EML 004	Emergency Lighting	ware house	S	S	S	S	S	
5	EML 005	Emergency Lighting	work shop	S	S	S	S	S	
6	EML 006	Emergency Lighting	work shop	S	S	S	S	S	
7	EML 007	Emergency Lighting	work shop	S	S	S	S	S	
8	EML 008	Emergency Lighting	work shop	S	S	S	S	S	
9	EML 009	Emergency Lighting	pkl-op/15	S	S	S	S	S	
10	EML 010	Emergency Lighting	pkl	S	S	S	S	S	
11	EML 011	Emergency Lighting	pkl corri door	S	S	S	S	S	เปลี่ยนแบต
12	EML 012	Emergency Lighting	pkl entry corri door	S	S	S	S	S	
13	EML 013	Emergency Lighting	pkl entry corri door	S	S	S	S	S	
14	EML 014	Emergency Lighting	pkl entry corri door	S	S	S	S	S	
15	EML 015	Emergency Lighting	pkl entry corri door	S	S	S	S	S	
16	EML 016	Emergency Lighting	pkl entry corri door	S	S	S	S	S	
17	EML 017	Emergency Lighting	pkl-eer room	S	S	S	S	S	
18	EML 018	Emergency Lighting	pkl-eer room	S	S	S	S	S	
19	EML 019	Emergency Lighting	pkl-eer room op-19	S	S	S	S	S	
20	EML 020	Emergency Lighting	pkl หน้าห้อง eer-room	S	S	S	S	S	
21	EML 021	Emergency Lighting	pkl หน้าห้อง eer-room	S	S	S	S	S	เปลี่ยนอุปกรณ์
22	EML 022	Emergency Lighting	pkl-exit pulpit	S	S	S	S	S	
23	EML 023	Emergency Lighting	pkl corri door	S	S	S	S	S	
24	EML 024	Emergency Lighting	pkl corri door	S	S	S	S	S	เปลี่ยนแบต
25	EML 025	Emergency Lighting	pkl corri door	S	S	S	S	S	
26	EML 026	Emergency Lighting	pkl-op/04	S	S	S	S	S	
27	EML 027	Emergency Lighting	pkl corri door	S	S	S	S	S	
28	EML 028	Emergency Lighting	pkl corri door	S	S	S	S	S	
29	EML 029	Emergency Lighting	pkl-op	S	S	S	S	S	
30	EML 030	Emergency Lighting	crm-op/02	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: test off main power breaker 220 v.ac for battery back up 30 min
* Emergency Light No. 003 อุปกรณ์เสีย = 1 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	model
31	EML 0031	Emergency Lighting	crm-entry AG49	S	S	S	S	S	
32	EML 0032	Emergency Lighting	crm-corri door	S	S	S	S	S	
33	EML 0033	Emergency Lighting	crm-roll shop	S	S	S	S	S	
34	EML 0034	Emergency Lighting	crm-corri door	S	S	S	S	S	เปลี่ยนแบต
35	EML 0035	Emergency Lighting	crm-corri door	N/A	N/A	N/A	N/A	N/A	อุปกรณ์ถูกยกเลิก
36	EML 0036	Emergency Lighting	crm-rs01	S	S	S	S	S	
37	EML 0037	Emergency Lighting	crm-ตู้ppe	S	S	S	S	S	
38	EML 0038	Emergency Lighting	crm-op/66	S	S	S	S	S	
39	EML 0039	Emergency Lighting	crm-op/65	S	S	S	S	S	
40	EML 0040	Emergency Lighting	crm	S	S	S	S	S	
41	EML 0041	Emergency Lighting	crm-pullpit room	S	S	S	S	S	
42	EML 0042	Emergency Lighting	crm-shift leder	S	S	S	S	S	
43	EML 0043	Emergency Lighting	Roll Shop Pulpit	S	S	S	S	S	
44	EML 0044	Emergency Lighting	crm mill room	US	US	US	US	US	อุปกรณ์เสีย
45	EML 0045	Emergency Lighting	crm mill room	S	S	S	S	S	
46	EML 0046	Emergency Lighting	crm-exit op/21	S	S	S	S	S	
47	EML 0047	Emergency Lighting	crm-op/29	US	US	US	US	US	อุปกรณ์เสีย
48	EML 0048	Emergency Lighting	crm mill room	US	US	US	US	US	อุปกรณ์เสีย
49	EML 0049	Emergency Lighting	crm-exit op/70	S	S	S	S	S	
50	EML 0050	Emergency Lighting	crm- op/70	S	S	S	S	S	เปลี่ยนอุปกรณ์
51	EML 0051	Emergency Lighting	crm- op/64	S	S	S	S	S	
52	EML 0052	Emergency Lighting	crm- corri door op/64	S	S	S	S	S	
53	EML 0053	Emergency Lighting	crm- corri door to oper	S	S	S	S	S	เปลี่ยนแบต
54	EML 0054	Emergency Lighting	crm- corri door to oper	S	S	S	S	S	
55	EML 0055	Emergency Lighting	zal- corri door to sfip.3	S	S	S	S	S	
56	EML 0056	Emergency Lighting	zal-op/61	S	S	S	S	S	
57	EML 0057	Emergency Lighting	zal-corri door	S	S	S	S	S	
58	EML 0058	Emergency Lighting	zal-corri door	S	S	S	S	S	
59	EML 0059	Emergency Lighting	zal-corri door	S	S	S	S	S	
60	EML 0060	Emergency Lighting	zal-corri door	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: test off main power breaker 220 v.ac for battery back up 30 min
* Emergency Light No. 044, 047, 048 อุปกรณ์เสีย = 3 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	model
61	EML 0061	Emergency Lighting	zal-corri door	S	S	S	S	S	
62	EML 0062	Emergency Lighting	zal-corri door	S	S	S	S	S	
63	EML 0063	Emergency Lighting	mcl-1	S	S	S	S	S	
64	EML 0064	Emergency Lighting	mcl-1 op/56	N/A	N/A	N/A	N/A	N/A	Cancel
65	EML 0065	Emergency Lighting	mcl-1 K41	S	S	S	S	S	
66	EML 0066	Emergency Lighting	mcl-1 k39	S	S	S	S	S	
67	EML 0067	Emergency Lighting	mcl-1 k37	S	S	S	S	S	
68	EML 0068	Emergency Lighting	mcl-1 k35	S	S	S	S	S	
69	EML 0069	Emergency Lighting	mcl-1 eer computter room	S	S	S	S	S	
70	EML 0070	Emergency Lighting	mcl-1 eer op/51	S	S	S	S	S	
71	EML 0071	Emergency Lighting	mcl-1 eer room	S	S	S	S	S	
72	EML 0072	Emergency Lighting	mcl-1 eer room	S	S	S	S	S	
73	EML 0073	Emergency Lighting	mcl-1 k32	S	S	S	S	S	
74	EML 0074	Emergency Lighting	mcl-1 op/49	S	S	S	S	S	เปลี่ยนแบต
75	EML 0075	Emergency Lighting	mcl-1 lab room	S	S	S	S	S	
76	EML 0076	Emergency Lighting	mcl-1 lab room	S	S	S	S	S	
77	EML 0077	Emergency Lighting	mcl-1 lab room	S	S	S	S	S	
78	EML 0078	Emergency Lighting	mcl-1 lab room	S	S	S	S	S	
79	EML 0079	Emergency Lighting	mcl-1 lab room	S	S	S	S	S	
80	EML 0080	Emergency Lighting	mcl-1 lab room	S	S	S	S	S	
81	EML 0081	Emergency Lighting	cpl-op/46	S	S	S	S	S	
82	EML 0082	Emergency Lighting	cpl- k26	S	S	S	S	S	
83	EML 0083	Emergency Lighting	cpl- k2-24	S	S	S	S	S	
84	EML 0084	Emergency Lighting	cpl- k22	S	S	US	S	S	แบตเสื่อม 12 V/7.5 Ah
85	EML 0085	Emergency Lighting	cpl- k2-19	S	S	S	S	S	
86	EML 0086	Emergency Lighting	cpl- k17	S	S	S	S	S	
87	EML 0087	Emergency Lighting	cpl- k2-14	S	S	S	S	S	
88	EML 0088	Emergency Lighting	cpl- k12	S	S	S	S	S	
89	EML 0089	Emergency Lighting	cpl- k2-09	S	S	S	S	S	
90	EML 0090	Emergency Lighting	cpl- k08	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: test off main power breaker 220 v.ac for battery back up 30 min
* Emergency Light No. 084 แบตเสื่อม 12 V / 7.5 Ah. = 1 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remark
91	EML 0091	Emergency Lighting	cpl-g2-25	S	S	S	S	S	
92	EML 0092	Emergency Lighting	cpl-g2-22	S	S	S	S	S	
93	EML 0093	Emergency Lighting	cpl-g2-08	S	S	S	S	S	
94	EML 0094	Emergency Lighting	col-ท้ายlineโหลดสินค้า	S	S	S	S	S	
95	EML 0095	Emergency Lighting	cpl-line packing k3	S	S	S	S	S	
96	EML 0096	Emergency Lighting	cpl-line packing k5	S	S	S	S	S	
97	EML 0097	Emergency Lighting	cpl-เสา n1-3,4	S	S	S	S	S	
98	EML 0098	Emergency Lighting	cpl-เสา n1-6,7	S	S	S	S	S	
99	EML 0099	Emergency Lighting	cpl-เสา n1-10-11	S	S	S	S	S	
100	EML 0100	Emergency Lighting	cpl-เสา n1-15-16	S	S	S	S	S	
101	EML 0101	Emergency Lighting	cpl-เสา n1-18,19	S	S	S	S	S	
102	EML 0102	Emergency Lighting	new lab room	S	S	S	S	S	
103	EML 0103	Emergency Lighting	mcl-1เสา n1-26,27	S	S	S	S	S	
104	EML 0104	Emergency Lighting	mcl-1เสา n1-29,30	S	S	S	S	S	
105	EML 0105	Emergency Lighting	mcl-1เสา n1-31,32	S	S	S	S	S	
106	EML 0106	Emergency Lighting	mcl-1เสา n1-33,34	S	S	S	S	S	
107	EML 0107	Emergency Lighting	mcl-1เสา n1-36,37	S	S	S	S	S	
108	EML 0108	Emergency Lighting	mcl-1เสา n1-38,39	S	S	S	S	S	
109	EML 0109	Emergency Lighting	mcl-1เสา n1-41,42	S	S	S	S	S	
110	EML 0110	Emergency Lighting	mcl-2เสา p1b-44	S	S	S	S	S	
111	EML 0111	Emergency Lighting	mcl-2เสา p1b-42	S	S	S	S	S	
112	EML 0112	Emergency Lighting	mcl-2เสา p 39.1	S	S	S	S	S	
113	EML 0113	Emergency Lighting	mcl-2เสา p 36.1	S	S	S	S	S	
114	EML 0114	Emergency Lighting	mcl-2เสา p 32	S	S	S	S	S	
115	EML 0115	Emergency Lighting	mcl-2เสา p 27	S	S	S	S	S	
116	EML 0116	Emergency Lighting	mcl-2 Generator	S	S	S	S	S	
117	EML 0117	Emergency Lighting	mcl-2เสา p 21	S	S	S	S	S	
118	EML 0118	Emergency Lighting	mcl-2เสา p 17	S	S	S	S	S	
119	EML 0119	Emergency Lighting	mcl-2เสา p 13	S	S	S	S	S	
120	EML 0120	Emergency Lighting	mcl-2	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: test off main power breaker 220 v.ac for battery back up 30 min

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remark
121	EML 0121	Emergency Lighting	mcl-2 Generator	S	S	S	S	S	เปลี่ยนแบต
122	EML 0122	Emergency Lighting	mcl-2เสา p 3	S	S	S	S	S	เปลี่ยนแบต
123	EML 0123	Emergency Lighting	mcl-2เสา r-1	S	S	S	S	S	เปลี่ยนแบต
124	EML 0124	Emergency Lighting	mcl-2เสา t1a4,5	S	S	S	S	S	
125	EML 0125	Emergency Lighting	mcl-2เสา t1a 7,8	S	S	S	S	S	
126	EML 0126	Emergency Lighting	mcl-2เสา t1a 11,12	S	S	S	S	S	เปลี่ยนอุปกรณ์
127	EML 0127	Emergency Lighting	mcl-2เสา t1a 13,14	S	S	S	S	S	
128	EML 0128	Emergency Lighting	mcl-2เสา t1a 18,19	S	S	S	S	S	
129	EML 0129	Emergency Lighting	mcl-2 หน้าห้อง main eer	S	S	S	S	S	
130	EML 0130	Emergency Lighting	mcl-2เสา t1a 24	S	S	S	S	S	
131	EML 0131	Emergency Lighting	mcl-2เสา t1-31	S	S	S	S	S	
132	EML 0132	Emergency Lighting	mcl-2เสา store	US	US	US	US	US	อุปกรณ์เสีย
133	EML 0133	Emergency Lighting	mcl-2เสา op/81	S	S	S	S	S	เปลี่ยนแบต
134	EML 0134	Emergency Lighting	mcl-2เสา ทางลง pot eer	S	S	S	S	S	เปลี่ยนแบต
135	EML 0135	Emergency Lighting	mcl-2เสา op/77-78	S	S	S	S	S	เปลี่ยนแบต
136	EML 0136	Emergency Lighting	mcl-2เสา op/75,76	S	S	S	S	S	
137	EML 0137	Emergency Lighting	mcl-2เสา op/75	S	S	S	S	S	เปลี่ยนแบต
138	EML 0138	Emergency Lighting	mcl-2เสา 36.2	S	S	S	S	S	
139	EML 0139	Emergency Lighting	mcl-2 หน้าห้อง premelt	S	S	S	S	S	
140	EML 0140	Emergency Lighting	mcl-2เสา t1-36.1	S	S	S	S	S	
141	EML 0141	Emergency Lighting	mcl-2เสา op/74	S	S	S	S	S	
142	EML 0142	Emergency Lighting	mcl-2 หน้าห้อง entry eer	S	S	S	S	S	
143	EML 0143	Emergency Lighting	mcl-2เสา op/72	S	S	S	S	S	
144	EML 0144	Emergency Lighting	operation ห้องน้ำหญิง	N/A	N/A	N/A	N/A	N/A	ปรับปรุงพื้นที่
145	EML 0145	Emergency Lighting	operation ห้องน้ำชาย	N/A	N/A	N/A	N/A	N/A	ปรับปรุงพื้นที่
146	EML 0146	Emergency Lighting	operation ห้อง k.ปีเตอร์	S	S	US	S	S	แบตเสื่อม 12 V/7.5 Ah
147	EML 0147	Emergency Lighting	operation ห้องno.7	S	S	S	S	S	
148	EML 0148	Emergency Lighting	support office	S	S	S	S	S	
149	EML 0149	Emergency Lighting	server room	S	S	S	S	S	
150	EML 0150	Emergency Lighting	Facility deperment & operation network	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: test off main power breaker 220 v.ac for battery back up 30 min
* Emergency Light No. 132 อุปกรณ์เสีย = 1 ea
* Emergency Light No. 146 แบตเสื่อม 12 V / 7.5 Ah. = 1 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remark
151	EML 0151	Emergency Lighting	Admin door exit	S	S	S	S	S	
152	EML 0152	Emergency Lighting	Admin door exit	S	S	S	S	S	
153	EML 0153	Emergency Lighting	First aid room	S	S	S	S	S	เปลี่ยนแบต
154	EML 0154	Emergency Lighting	Sub.115 kv	S	S	S	S	S	
155	EML 0155	Emergency Lighting	Training Center Bld.	S	S	S	S	S	
156	EML 0156	Emergency Lighting	Training Center Bld.	S	S	S	S	S	
157	EML 0157	Emergency Lighting	MCL1 Pulpit	S	S	S	S	S	
158	EML 0158	Emergency Lighting	MCL1 Pulpit	S	S	S	S	S	
159	EML 0159	Emergency Lighting	Gam ling	S	S	S	S	S	
160	EML 0160	Emergency Lighting	Gam ling	S	S	S	S	S	
161	EML 0161	Emergency Lighting	Gam ling	S	S	S	S	S	
162	EML 0162	Emergency Lighting	Gam ling	S	S	S	S	S	
163	EML 0163	Emergency Lighting	Gam ling	S	S	S	S	S	
164	EML 0164	Emergency Lighting	Gam ling	S	S	S	S	S	
165	EML 0165	Emergency Lighting	Ware house	S	S	S	S	S	
166	EML 0166	Emergency Lighting	MCL1 In Pulpitroom	S	S	S	S	S	
167	EML 0167	Emergency Lighting	CPL Loading	S	S	S	S	S	
168	EML 0168	Emergency Lighting	Training Center Bld.	S	S	S	S	S	
169	EML 0169	Emergency Lighting	Training Center Bld.	S	S	US	S	S	แบตเสื่อม 12 V/7.5 Ah
170	EML 0170	Emergency Lighting	Training Center Bld.	S	S	US	S	S	แบตเสื่อม 12 V/7.5 Ah
171	EML 0171	Emergency Lighting	CPL Upper / Lower	S	S	S	S	S	
172	EML 0172	Emergency Lighting	CPL Upper / Lower	S	S	S	S	S	
173	EML 0173	Emergency Lighting	CPL G2 เสา 15	S	S	S	S	S	
174	EML 0174	Emergency Lighting	Admin Bld.	S	S	S	S	S	
175	EML 0175	Emergency Lighting	New Canteen (ห้องครัว)	S	S	S	S	S	
176	EML 0176	Emergency Lighting	New Canteen (ห้องครัว)	S	S	S	S	S	
177	EML 0177	Emergency Lighting	New Canteen (ห้องครัว)	S	S	S	S	S	
178	EML 0178	Emergency Lighting	New Canteen	S	S	S	S	S	
179	EML 0179	Emergency Lighting	New Canteen	S	S	S	S	S	
180	EML 0180	Emergency Lighting	Server Room	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: test off main power breaker 220 v.ac for battery back up 30 min
* Emergency Light No. 169, 170 แบตเสื่อม 12 V / 7.5 Ah. = 2 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Exit Light system

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Exit Inditcator

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remart
1	EXL001	Emergency Exit Lighting	ware house op/11	S	S	S	S	S	
2	EXL002	Emergency Exit Lighting	ware house op/09	S	S	S	S	S	
3	EXL003	Emergency Exit Lighting	work shop op/12	S	S	S	S	S	
4	EXL004	Emergency Exit Lighting	worke shop op/08	S	S	S	S	S	
5	EXL005	Emergency Exit Lighting	pkl-op/15	S	S	S	S	S	
6	EXL006	Emergency Exit Lighting	pkl-op/exit	S	S	S	S	S	
7	EXL007	Emergency Exit Lighting	pkl-eer room op/17a	S	S	S	S	S	
8	EXL008	Emergency Exit Lighting	pkl-eer room op/17	S	S	S	S	S	
9	EXL009	Emergency Exit Lighting	pkl-eer room exit door	S	S	S	S	S	
10	EXL010	Emergency Exit Lighting	pkl-eer room exit door	S	S	S	S	S	
11	EXL011	Emergency Exit Lighting	pkl-eer room op/18,19	S	S	US	S	S	แบตเสื่อม 3.6 V/1800 mAh
12	EXL012	Emergency Exit Lighting	pkl-op/03	N/A	N/A	N/A	N/A	N/A	Cancel
13	EXL013	Emergency Exit Lighting	pkl-op/04	S	S	S	S	S	
14	EXL014	Emergency Exit Lighting	pkl-op/05	S	S	S	S	S	
15	EXL015	Emergency Exit Lighting	crm-exit op/01	S	S	S	S	S	
16	EXL016	Emergency Exit Lighting	crm-op/66	S	S	S	S	S	
17	EXL017	Emergency Exit Lighting	crm-op/65	S	S	S	S	S	
18	EXL018	Emergency Exit Lighting	crm-mill pulpit room	S	S	S	S	S	
19	EXL019	Emergency Exit Lighting	crm-mill pulpit room	S	S	S	S	S	
20	EXL020	Emergency Exit Lighting	crm-mill pulpit room	S	S	US	S	S	แบตเสื่อม 3.6 V/1800 mAh
21	EXL021	Emergency Exit Lighting	crm-cella	S	S	S	S	S	
22	EXL022	Emergency Exit Lighting	crm-exit/cella	S	S	S	S	S	
23	EXL023	Emergency Exit Lighting	crm-exit/cella	S	S	S	S	S	
24	EXL024	Emergency Exit Lighting	crm-exit/cella	S	S	S	S	S	
25	EXL025	Emergency Exit Lighting	crm-op/20	S	S	S	S	S	เปลี่ยนแบต 30/3/26
26	EXL026	Emergency Exit Lighting	crm-op/21	S	S	S	S	S	
27	EXL027	Emergency Exit Lighting	crm-eer op/22	S	S	S	S	S	
28	EXL028	Emergency Exit Lighting	crm-eer exit	S	US	US	S	S	แบตเสื่อม 3.6 V/1800 mAh / ไม่มี AC
29	EXL029	Emergency Exit Lighting	crm- op/29	S	S	S	S	S	
30	EXL030	Emergency Exit Lighting	crm- op/64	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: test off main power breaker 220 v.ac for battery back up 30 min
* Emergency Exit Light No. 11, 20, 28 แบตเสื่อม 3.6 V / 1800 mAh. = 3 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Exit Inditcator

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	remake
31	EXL031	Emergency Exit Lighting	zal-op/61	S	S	S	S	S	
32	EXL032	Emergency Exit Lighting	zal-op/60	S	S	S	S	S	
33	EXL033	Emergency Exit Lighting	zal-op/57	S	S	S	S	S	
34	EXL034	Emergency Exit Lighting	mcl-1 op/56	S	S	S	S	S	
35	EXL035	Emergency Exit Lighting	mcl-1 op/54	S	S	S	S	S	
36	EXL036	Emergency Exit Lighting	mcl-1 eer exit door	S	S	S	S	S	
37	EXL037	Emergency Exit Lighting	mcl-1 eer exit door computter room	S	S	S	S	S	
38	EXL038	Emergency Exit Lighting	mcl-1 eer exit door computter room	S	S	S	S	S	
39	EXL039	Emergency Exit Lighting	mcl-1 eer exit door	S	S	S	S	S	
40	EXL040	Emergency Exit Lighting	mcl-1 eer room op/51	S	S	S	S	S	
41	EXL041	Emergency Exit Lighting	mcl-1 eer room op/52	S	S	S	S	S	
42	EXL042	Emergency Exit Lighting	mcl-1 eer exit door	S	S	S	S	S	
43	EXL043	Emergency Exit Lighting	mcl-1 op/49	S	S	S	S	S	
44	EXL044	Emergency Exit Lighting	mcl-1 op/48 Lab room	S	S	S	S	S	
45	EXL045	Emergency Exit Lighting	cpl lab room	S	S	S	S	S	
46	EXL046	Emergency Exit Lighting	cpl lab room exit door	S	S	S	S	S	
47	EXL047	Emergency Exit Lighting	cpl-op/46	S	S	S	S	S	
48	EXL048	Emergency Exit Lighting	cpl-piant stor op/44	S	S	S	S	S	
49	EXL049	Emergency Exit Lighting	cpl-op/43	S	S	S	S	S	
50	EXL050	Emergency Exit Lighting	cpl-op/42	S	S	S	S	S	
51	EXL051	Emergency Exit Lighting	cpl-เสา n1-02	N/A	N/A	N/A	N/A	N/A	Cancel
52	EXL052	Emergency Exit Lighting	cpl-เสา n1-11,12	N/A	N/A	N/A	N/A	N/A	Cancel
53	EXL053	Emergency Exit Lighting	mcl-1-เสา n-32	N/A	N/A	N/A	N/A	N/A	Cancel
54	EXL054	Emergency Exit Lighting	mcl-1-เสา n-32,35	N/A	N/A	N/A	N/A	N/A	Cancel
55	EXL055	Emergency Exit Lighting	mcl-1-เสา n-42,43	N/A	N/A	N/A	N/A	N/A	Cancel
56	EXL056	Emergency Exit Lighting	mcl-2 coating pot eer	S	S	S	S	S	
57	EXL057	Emergency Exit Lighting	mcl-2 coating pot eer	S	S	S	S	S	
58	EXL058	Emergency Exit Lighting	mcl-2 coating pot eer	S	S	S	S	S	
59	EXL059	Emergency Exit Lighting	mcl-2 wet roolling pot	S	S	S	S	S	
60	EXL060	Emergency Exit Lighting	mcl-2 op/89	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remerk: test off main power breaker 220 v.ac for battery back up 30 min

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Exit Inditcator

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	remark
61	EXL061	Emergency Exit Lighting	mcl-2 เสา t1a 6,7	S	S	S	S	S	
62	EXL062	Emergency Exit Lighting	mcl-2 เสา t1a 9,10	S	S	S	S	S	
63	EXL063	Emergency Exit Lighting	mcl-2 เสา t1a 12,13	S	S	S	S	S	
64	EXL064	Emergency Exit Lighting	mcl-2 op/87	S	S	S	S	S	
65	EXL065	Emergency Exit Lighting	mcl-2 op/86	S	S	S	S	S	
66	EXL066	Emergency Exit Lighting	mcl-2 exit door main eer	S	S	S	S	S	
67	EXL067	Emergency Exit Lighting	mcl-2 exit door main eer	S	S	S	S	S	
68	EXL068	Emergency Exit Lighting	mcl-2 exit door T1 23	S	S	S	S	S	
69	EXL069	Emergency Exit Lighting	mcl-2 เสา OP 83	S	S	S	S	S	
70	EXL070	Emergency Exit Lighting	mcl-2 op/80	S	S	S	S	S	
71	EXL071	Emergency Exit Lighting	mcl-2 op/78	S	S	S	S	S	
72	EXL072	Emergency Exit Lighting	mcl-2 op/76	S	S	S	S	S	
73	EXL073	Emergency Exit Lighting	mcl-2 เสา t1- 35.1	S	S	S	S	S	
74	EXL074	Emergency Exit Lighting	mcl-2 เสา t1- 37.1	S	S	S	S	S	
75	EXL075	Emergency Exit Lighting	mcl-2 op/74	US	US	US	US	US	อุปกรณ์เสียไม่มี power
76	EXL076	Emergency Exit Lighting	mcl-2 entry eer exit door	S	S	S	S	S	
77	EXL077	Emergency Exit Lighting	mcl-2 entry eer exit door	S	S	S	S	S	
78	EXL078	Emergency Exit Lighting	mcl-2หน้าห้อง entry eer	S	S	S	S	S	
79	EXL079	Emergency Exit Lighting	mcl-2 op/72	S	S	S	S	S	
80	EXL080	Emergency Exit Lighting	mcl-2 เสา t1a 45	N/A	N/A	N/A	N/A	N/A	Cancel
81	EXL081	Emergency Exit Lighting	office operation exit door	S	S	S	S	S	
82	EXL082	Emergency Exit Lighting	office operation exit door	S	S	S	S	S	
83	EXL083	Emergency Exit Lighting	support ห้องพยาบาล	S	S	S	S	S	
84	EXL084	Emergency Exit Lighting	support exit door	S	S	S	S	S	
85	EXL085	Emergency Exit Lighting	support exit door	S	S	S	S	S	
86	EXL086	Emergency Exit Lighting	office safety room	S	S	S	S	S	
87	EXL087	Emergency Exit Lighting	sub.115kv	S	S	S	S	S	
88	EXL088	Emergency Exit Lighting	Training Center Bld.	S	S	S	S	S	
89	EXL089	Emergency Exit Lighting	Training Center Bld.	S	S	S	S	S	
90	EXL090	Emergency Exit Lighting	MCL 2 ทางขึ้นใต้ดิน	S	S	S	S	S	
91	EXL091	Emergency Exit Lighting	Training Center Bld.	S	S	S	S	S	
92	EXL092	Emergency Exit Lighting	Training Center Bld.	S	S	US	S	S	แบตเสื่อม 3.6 V/1800 mAh

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remerk: test off main power breaker 220 v.ac for battery back up 30 min
* Emergency Exit Light No. 75 อุปกรณ์เสีย, ไม่มี power = 1 ea
* Emergency Exit Light No. 92 แบตเสื่อม 3.6 V / 1800 mAh. = 1 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Exit Inditcator

Client : NS BLUE SCOPE STEEL THAI LAND
REF.Contract NO : 6 times/year
Inspection Date : 5 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Type	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	remark
93	EXL093	Emergency Exit Lighting	CPL	S	S	S	S	S	เปลี่ยนแบต 30/3/26
94	EXL094	Emergency Exit Lighting	Admin	S	S	S	S	S	
95	EXL095	Emergency Exit Lighting	Admin	S	S	S	S	S	
96	EXL096	Emergency Exit Lighting	Admin	S	S	S	S	S	
97	EXL097	Emergency Exit Lighting	Admin	S	S	S	S	S	
98	EXL098	Emergency Exit Lighting	Admin	S	S	S	S	S	
99	EXL099	Emergency Exit Lighting	New Canteen	S	S	S	S	S	
100	EXL100	Emergency Exit Lighting	New Canteen	S	S	S	S	S	
101	EXL101	Emergency Exit Lighting	New Canteen	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remerk: test off main power breaker 220 v.ac for battery back up 30 min

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST EMERGENCY LIGHT

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Standard Reference

For this project, our company will follow inspection and maintenance procedures of fire alarm system and fire fighting system by referring to these standards as detail below.

- NFPA 10 – Standard For Portable Fire Extinguishers
- NFPA 11 – Standard For Foam Extinguishers, Low Expansion
- NFPA 12 – Standard On Carbon Dioxide Extinguishers systems
- NFPA 13 – Standard For The Installation of Sprinkler systems
- NFPA 14 – Standard For Installation of Stand Pipe and Hose Systems
- NFPA 15 – Standard For Water Spray Fixed Systems For Fire Protection
- NFPA 20 – Standard For Installation of Centrifugal Fire Pumps
- NFPA 25 – Standard For The Inspection, Testing, and Maintenance of Water-Based Fire Protection System
- NFPA 30 – Flammable and Combustible Liquids Code
- NFPA 70 – National Electrical Code
- NFPA 72 – National Fire Alarm Code

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

NS BLUESCOPE (THAILAND) LIMITED (MCL3)

Preventive Maintenance for Fire Protection System

On May 2026

Takachiho Fire, Security & Services (Thailand) Limited
1858/110-111 25th Floor Interlink Tower Bangna , Debaratna Rd. Bangna Tai , Bangna , Bangkok 10260 Thailand
Tel. (66-2) 366 9000, Fax. (66-2) 366 9090 www.tkfs.co.th

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION, TEST AND PREVENTIVE MAINTENANCE

FOR

Fire Protection and Fire Detection System

Customer : **NS Blue Scope Steel (Thailand) Ltd. (MCL 3)** **Report Date : 9 June 2026**

Inspector By :	1. Subin	Karnna	Service Leader
	2. Pattanasit	Ratanapatarakorn	Technician Service
	3. Somkhid	Khamlai	Technician Service
	4. Anuchit	Phoomee	Technician Service
	5. Perakant	Kumwong	Technician Service

NSBST (MCL3) Fire Alarm & Fire Suppression Summary Report : May 2026
Pervious month Outstanding update
May 2026 Result

Item	Inspection Description	Point / Device		Location		Recomment	Priority	Status
1	Fire alarm system							
	(Monthly)	Local power supply	Battery = 4 ea	MCL3	Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี	should replace	○ Low ● Medium ○ High	TK เสนอราคา
2	Inergen and Inergen cylinder system							
	(Monthly)	Inergen no. 14104757	Inergen = 1 ถัง	PLC & COMPUTOR RM.	Low pressure	should hydro test and refill	○ Low ● Medium ○ High	TK เสนอราคา
3	Automatic sprinkler & Deluge valve system							
	(Monthly)	Function system is working normally.						
4	Fire Hydrant and Fire Hose Cabinet							
	(Monthly)	Fire hydrant no.6	ท่อ	MCL3	ท่อถูกกัดกร่อนเป็นสนิม	should replace	○ Low ● Medium ○ High	TK เสนอราคา
5	Fire pump system							
	(Monthly)	Engine fire pump no. 1	จอ Display	MCL3	หน้าจอ Display สำหรับตู้ control engine fire pump อุปกรณ์เสีย (จอดำ)	should replace	○ Low ● Medium ○ High	TK เสนอราคา
		Electric motor Jockey pump	Check valve 2"	MCL3	line discharge ข้อต่อเกลียวมีน้ำรั่วซึมถูกกัดกร่อนเป็นสนิม	should replace	○ Low ● Medium ○ High	TK เสนอราคา
6	Emergency light & Exit light							
	(Every One Months)	**Emergency light**						
		No. 7, 9, 18, 25, 42, 55, 58, 69, 71	อุปกรณ์เสีย = 9 ea	BE 11,BE15,BE31,BC26,BG4, Pit7, Exit pulpit, WEST WATER LAB Rm,cable cella	อุปกรณ์เสีย (Max 12 V/7.5 Ah)	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		No. 13, 37, 70	Back-up batteries = 3 ea (12 V/7.5 Ah)	BE23, coator room fl.1, cable cella	Battery deteriotration	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		Exit Light						
		No. 2, 24, 36, 39, 40	อุปกรณ์เสีย = 5 ea	BC5, BC20, BH4	อุปกรณ์เสีย (Max 3.6 V/1800 Ah)	Should replace	○ Low ● Medium ○ High	TK เสนอราคา

Reference report: TAKACHIHO's Inspection Monthly report for NS Bluescope Thailand : May 2026

Review By

Songpon Soontaros
PSV Senior Engineer

Date

Sign Off By

Plant Service & Engineering Project Manager

Date

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE ALARM SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Functio .nn	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 230.5 VAC

Charger control panel 27.42 VDC

Battery back up 27.40 VDC (start 27/6/24)

* Power supply panel box no.1			* Power supply panel box no.2		
AC power supply	:	230.9 VAC	AC power supply	:	230.7 VAC
Battery back up	:	26.61 Vdc. (Start 3/8/23)	Battery back up	:	27.21 Vdc. (Start 3/8/23)
Charge control	:	26.57 Vdc.	Charge control	:	27.18 Vdc.

* Battery back up สำหรับตู้ local power supply อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 4 ลูก

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	MCL-3 PLC EER. Z1. INERGEN	M3-76	IAM(Inergen Alarm)	S	S	
2	MCL-3 PLC EER. INERGEN DISCHARGE	M3-77	IAM(Inergen Discharge)	S	S	
3	MCL-3 PLC EER. INERGEN TROUBLE	M3-78	IAM(Inergen Trouble)	S	S	
4	MCL-3 EXIT EER. Z1. INERGEN	M3-71	IAM(Inergen Alarm)	S	S	
5	MCL-3 EXIT EER. Z1. INERGEN	M3-72	IAM(Inergen Discharge)	S	S	
6	MCL-3 EXIT EER. Z1. INERGEN	M3-73	IAM(Inergen Trouble)	S	S	
7	MCL-3 MV EER. Z1 INERGEN ALARM	M3-83	IAM(Inergen Alarm)	S	S	
8	MCL-3 MV EER. Z1. INERGEN DISCHARGE	M3-84	IAM(Inergen Discharge)	S	S	
9	MCL-3 MV EER. Z1. INERGEN TROUBLE	M3-85	IAM(Inergen Trouble)	S	S	
10	MCL-3 MV EER. Z1.	M3-79	MANUAL	S	S	
11	MCL-3 MV EER. Z1. NO. 1	M3-81	SMOKE	S	S	
12	MCL-3 MV EER. Z1. NO. 2	M3-82	SMOKE	S	S	
13	MCL-3 EXIT EER. Z1. NO. 2	M3-66	MANUAL	S	S	
14	MCL-3 EXIT EER. Z1. NO. 3	M3-65	SMOKE	S	S	
15	MCL-3 EXIT EER. Z1. NO. 2	M3-64	SMOKE	S	S	
16	MCL-3 EXIT EER. Z1. NO. 1	M3-63	SMOKE	S	S	
17	MCL-3 EXIT EER. Z1. NO. 4	M3-68	SMOKE	S	S	
18	MCL-3 EXIT EER. Z1. NO. 1	M3-61	MANUAL	S	S	
19	MCL-3 EXIT EER. Z1. NO. 5	M3-69	SMOKE	S	S	
20	MCL-3 PLC EER. Z1. NO. 2	M3-75	SMOKE	S	S	
21	MCL-3 PLC EER. Z1. NO. 1	M3-74	SMOKE	S	S	
22	MCL-3 POT EER. Z7. INERGEN	M3-48	IAM(Inergen Trouble)	S	S	
23	MCL-3 POT EER. Z7. INERGEN	M3-46	IAM(Inergen Alarm)	S	S	
24	MCL-3 POT EER. Z7. INERGEN	M3-47	IAM(Inergen Discharge)	S	S	
25	MCL-3 POT EER. Z7. NO.2	M3-45	SMOKE	S	S	
26	MCL-3 POT EER. Z7. NO.1	M3-44	SMOKE	S	S	
27	MCL-3 POT EER. Z7.	M3-42	MANUAL	S	S	
28	MCL-3 ENTRY EER. Z2.	M3-31	IAM(Inergen Alarm)	S	S	
29	MCL-3 ENTRY EER. Z2.	M3-32	IAM(Inergen Discharge)	S	S	
30	MCL-3 ENTRY EER. Z2.	M3-33	IAM(Inergen Trouble)	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	MCL-3 ENTRY EER. Z2. NO.2	M3-29	MANUAL	S	S	
32	MCL-3 ENTRY EER. Z2. NO.1	M3-21	SMOKE DETECTOR	S	S	
33	MCL-3 ENTRY EER. Z2. NO.2	M3-22	SMOKE DETECTOR	S	S	
34	MCL-3 ENTRY EER. Z2. NO.3	M3-23	SMOKE DETECTOR	S	S	
35	MCL-3 WATER TREATMENT Z8.	M3-19	MANUAL	S	S	
36	MCL-3 WATER TREATMENT Z8.	M3-8	MANUAL	S	S	
37	MCL-3 Z6 MANUAL (GRID 34/BC)	M1-1	MANUAL	S	S	
38	MCL-3 Z6 MANUAL (GRID 31/BC)	M1-10	MANUAL	S	S	
39	MCL-3 Z6 MANUAL (GRID 31/BC)	M1-49	MANUAL	S	S	
40	MCL-3 Z6 MANUAL (GRID 34/BC)	M1-45	MANUAL	S	S	
41	MCL-3 Z6 MANUAL (GRID 26/BC)	M1-19	MANUAL	S	S	
42	MCL-3 Z6 MANUAL (GRID 21/BC)	M1-23	MANUAL	S	S	
43	MCL-3 Z5 MANUAL (GRID 18/BC)	M1-29	MANUAL	S	S	
44	MCL-3 Z7 MANUAL (GRID 17/BC)	M3-118	MANUAL	S	S	
45	MCL-3 Z5 MANUAL (GRID 13/BC)	M1-39	MANUAL	S	S	
46	MCL-3 POT PUPIT Z5.	M3-86	MANUAL	S	S	
47	MCL-3 POT PUPIT Z5.	M3-60	SMOKE DETECTOR	S	S	
48	MCL-3 POT PUPIT Z5.	M3-59	SMOKE DETECTOR	S	S	
49	MCL-3 POT PUPIT Z5.	M1-77	MANUAL	S	S	
50	MCL-3 POT PUPIT Z5.	M1-75	MANUAL	S	S	
51	MCL-3 POT PUPIT Z5.	M1-41	MANUAL	S	S	
52	MCL-3 CHEMICAL AREA	M3-100	MANUAL	S	S	
53	MCL-3 COATING OP114	M2-1	MANUAL	S	S	
54	MCL-3 MANUAL Z. 4	M2-22	MANUAL	S	S	
55	MCL-3 MANUAL Z. 4	M2-10	MANUAL	S	S	
56	MCL-3 MANUAL Z. 4	M2-14	MANUAL	S	S	
57	MCL-3 EXIT PULPIT Z. 4	M2-60	MANUAL	S	S	
58	MCL-3 EXIT PULPIT Z. 4	M2-61	SMOKE DETECTOR	S	S	
59	MCL-3 MANUAL Z. 4	M2-30	MANUAL	S	S	
60	MCL-3 MANUAL Z. 4	M2-38	MANUAL	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
61	MCL-3 MANUAL Z. 5	M2-44	MANUAL	S	S	
62	MCL-3 WET LAB Z. 5	M2-41	SMOKE DETECTOR	S	S	
63	MCL-3 WET LAB Z. 5	M2-40	MANUAL	S	S	
64	MCL-3 MANUAL Z. 5	M1-83	MANUAL	S	S	
65	MCL-3 PIT 6 Z. 11	M3-57	MANUAL	S	S	
66	MCL-3 PIT 6 Z. 11	M3-55	MANUAL	S	S	
67	MCL-3 MANUAL Z. 6	M1-12	MANUAL	S	S	
68	MCL-3 MAMUAL Z. 6	M1-53	MANUAL	S	S	
69	MCL-3 ENTRY PULPIT Z. 6	M1-55	MANUAL	S	S	
70	MCL-3 ENTRY PULPIT Z. 6	M1-56	SMOKE DETECTOR	S	S	
71	MCL-3 MANUAL Z. 6	M1-65	MANUAL	S	S	
72	MCL-3 MANUAL Z. 6	M1-67	MANUAL	S	S	
73	MCL-3 PAINT COATER FL.1	M2-56	MANUAL	S	S	
74	MCL-3 PAINT COATER FL.1	M2-57	SMOKE DETECTOR	S	S	
75	MCL-3 PAINT COATER FL.2	M2-58	MANUAL	S	S	
76	MCL-3 PAINT COATER FL.2	M2-59	SMOKE DETECTOR	S	S	
77	MCL-3 PIT 7 Z. 12	M2-54	MANUAL	S	S	
78	MCL-3 PIT 7 Z. 12	M2-50	MANUAL	S	S	
79	MCL-3 packing pulpit	M2-28	MANUAL	S	S	
80	MCL-3 packing pulpit	M2-29	SMOKE DETECTOR	S	S	
81	MCL-3 Meeting room	M1-63	SMOKE DETECTOR	S	S	
82	MCL-3 Meeting room	M1-64	SMOKE DETECTOR	S	S	
83	MCL-3 pit 6 somke 1	M3-53	SMOKE DETECTOR	S	S	
84	MCL-3 pit 6 somke 2	M3-54	SMOKE DETECTOR	S	S	
85	MCL-3 pit 7 somke 1	M2-52	SMOKE DETECTOR	S	S	
86	MCL-3 pit 7 somke 2	M2-53	SMOKE DETECTOR	S	S	
87	Wast water treatment 4	M3-4	HEAT DETECTOR	S	S	Led ไม่โชว์ (not work)
88	Wast water treatment 5	M3-5	HEAT DETECTOR	S	S	
89	Wast water treatment 9	M3-11	HEAT DETECTOR	S	S	
90	Wast water treatment 10	M3-12	HEAT DETECTOR	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

_____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
91	Wast water treatment 11	M3-13	HEAT DETECTOR	S	S	
92	Wast water treatment 12	M3-16	HEAT DETECTOR	S	S	
93	WWT LAB pulpit	M3-124	SMOKE DETECTOR	S	S	
94	WWT LAB pulpit	M3-125	MANUAL	S	S	
95	WWT LAB CTRL pulpit	M3-126	SMOKE DETECTOR	S	S	
96	WWT LAB CTRL pulpit	M3-127	MANUAL	S	S	
97	Wast water treatment	M3-7	HEAT DETECTOR	S	S	
98	Wast water treatment	M3-3	HEAT DETECTOR	S	S	
99	Wast water treatment	M3-17	HEAT DETECTOR	S	S	
100	Wast water treatment	M3-18	HEAT DETECTOR	S	S	
101	MCL-3 pit 5 Zone 10 manual	M1-87	MANUAL	S	S	
102	MCL-3 pit 5 Zone 10 manual	M1-90	MANUAL	S	S	
103	MCL-3 Generator z. 7 heat 1	M3-49	HEAT DETECTOR	S	S	
104	MCL-3 Generator z. 7 heat 2	M3-50	HEAT DETECTOR	S	S	
105	MCL-3 Chemical area	M3-94	HEAT DETECTOR	S	S	
106	MCL-3 Chemical area	M3-95	HEAT DETECTOR	S	S	
107	MCL-3 Chemical area	M3-96	HEAT DETECTOR	S	S	
108	MCL-3 Chemical area	M3-97	HEAT DETECTOR	S	S	
109	MCL-3 Chemical area	M3-98	HEAT DETECTOR	S	S	
110	MCL-3 Chemical area	M3-99	HEAT DETECTOR	S	S	
111	MCL3 Fire pump house	M3-87	HEAT DETECTOR	S	S	
112	MCL3 Fire pump house	M3-88	HEAT DETECTOR	S	S	
113	MCL3 Fire pump house	M3-89	HEAT DETECTOR	S	S	
114	MCL3 Fire pump house	M3-90	MANUAL	S	S	
115	MCL3 Toilet 1	M1-57	HEAT DETECTOR	S	S	
116	MCL3 Toilet 1	M1-58	HEAT DETECTOR	S	S	
117	MCL3 Toilet 2	M2-48	HEAT DETECTOR	S	S	
118	MCL3 Toilet 2	M2-49	HEAT DETECTOR	S	S	
119	MCL3 Toilet 3	M2-24	HEAT DETECTOR	S	S	
120	MCL3 Toilet 3	M2-25	HEAT DETECTOR	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

_____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
121	MCL3 DV-LISTED ZONE 1	M1-5	Supervisory valve	S	S	
122	MCL3 DV-LISTED ZONE 2	M1-48	Supervisory valve	S	S	
123	MCL3 DV-LISTED ZONE 3	M1-9	Supervisory valve	S	S	
124	MCL3 DV-LISTED ZONE 4	M1-52	Supervisory valve	S	S	
125	MCL3 DV-LISTED ZONE 5	M1-15	Supervisory valve	S	S	
126	MCL3 DV-LISTED ZONE 6	M1-62	Supervisory valve	S	S	
127	MCL3 DV-LISTED ZONE 7	M1-26	Supervisory valve	S	S	
128	MCL3 DV-LISTED ZONE 8	M1-70	Supervisory valve	S	S	
129	MCL3 DV-LISTED ZONE 9	M1-28	Supervisory valve	S	S	
130	MCL3 DV-LISTED ZONE 10	M1-74	Supervisory valve	S	S	
131	MCL3 DV-LISTED ZONE 11	M1-38	Supervisory valve	S	S	
132	MCL3 DV-LISTED ZONE 12	M1-82	Supervisory valve	S	S	
133	MCL3 DV-LISTED ZONE 13	M1-44	Supervisory valve	S	S	
134	MCL3 DV-LISTED ZONE 14	M2-86	Supervisory valve	S	S	
135	MCL3 DV-LISTED ZONE 15	M2-9	Supervisory valve	S	S	
136	MCL3 DV-LISTED ZONE 16	M2-37	Supervisory valve	S	S	
137	MCL3 DV-LISTED ZONE 17	M2-13	Supervisory valve	S	S	
138	MCL3 DV-LISTED ZONE 18	M2-35	Supervisory valve	S	S	
139	MCL3 DV-LISTED ZONE 19	M2-17	Supervisory valve	S	S	
140	MCL3 DV-LISTED ZONE 20	M2-33	Supervisory valve	S	S	
141	MCL3 DV-LISTED ZONE 21	M2-21	Supervisory valve	S	S	
142	MCL3 DV-LISTED ZONE 22	M3-121	Supervisory valve	S	S	
143	MCL3 DV-LISTED ZONE 23	M3-123	Supervisory valve	S	S	
144	MCL3 AV-LISLED 01	M3-15	Supervisory valve	S	S	
145	MCL3 AV-LISLED 02	M3-52	Supervisory valve	S	S	
146	MCL3 AV-LISLED 03	M3-129	Supervisory valve	S	S	
147	MCL-3 ENTRY EER. Z2. NO.1	M3-24	MANUAL	S	S	
148	MCL-3 ENTRY EER. Z2. NO.4	M3-26	SMOKE DETECTOR	S	S	
149	MCL-3 ENTRY EER. Z2. NO.5	M3-27	SMOKE DETECTOR	S	S	
150	MCL-3 ENTRY EER. Z2. NO.6	M3-28	SMOKE DETECTOR	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
151	MCL3 AV-LISLED 04	M2-5	Supervisory valve	S	S	
152	MCL3 AV-LISLED 05	M2-63	Supervisory valve	S	S	
153	MCL3 AV-LISLED 06	M1-60	Supervisory valve	S	S	
154	MCL3 AV-LISLED 07	M2-43	Supervisory valve	S	S	
155	MCL3 AV-LISLED 08	M2-27	Supervisory valve	S	S	
156	MCL3 AV-LISLED 09	M3-132	Supervisory valve	S	S	
157	MCL3 TOILET 1-Z6	M1-58	HEAT DETECTOR	S	S	
158	MCL3 PUMP HOUSE M/V	M3-131	Supervisory valve	S	S	
159	MCL3 PUMP HOUSE M/V	M3-117	Supervisory valve	S	S	
160	MCL3 PUMP HOUSE SUP/SW	M3-110	Supervisory valve	S	S	
161	MCL3 PUMP HOUSE SUP/SW	M3-109	Supervisory valve	S	S	
162	MCL3 PUMP HOUSE SUP/SW	M3-111	Supervisory valve	S	S	
163	MCL3 PUMP HOUSE SUP/SW	M3-114	Supervisory valve	S	S	
164	WAST WATER TREATMENT 14	M3-1	HEAT DETECTOR	S	S	
165	WAST WATER TREATMENT 14	M3-2	HEAT DETECTOR	S	S	
166	MCL3 POT PUPIT 2.5	M3-137	SMOKE DETECTOR	S	S	
167	WAST WATER TREATMENT	M3-6	HEAT DETECTOR	S	S	
168	WAST WATER TREATMENT	M3-10	HEAT DETECTOR	S	S	
169	MCL3 (Grid-26-8/BC)	M1-16	Linear heat	S	S	
170	MCL3 (Grid-9/BC)	M2-2	Linear heat	S	S	
171	MCL3 (Grid-34/B)	M1-2	Linear heat	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 GAMLING, NOTIFIER (RP-1001)

Description	Normal Status	Result	Remark
1. Fire Alarm Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Annunciator Panel			
2.1 Check condition of fuse control	N/A	N/A	
2.2 Check condition of Lamp & LEDs	N/A	N/A	
2.3 Check power supply for FCP	N/A	N/A	
2.4 Check cable connection / terminal	N/A	N/A	
2.5 Check Alarm Condition / Function Test	N/A	N/A	
2.6 Visual check condition of battery and housing of battery	N/A	N/A	
2.7 Cleaning of Annunciator Panel	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 230.4 VAC
Charger control panel 26.70 Vdc (Start 27/6/25)
Battery back up 26.69 Vdc

* แนะนำ ควรเพิ่ม signal alarm module เพื่อส่งสัญญาณ alarm เข้า main control panel fire alarm

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 GAMLING, NOTIFIER (RP-1001)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Manual No.1	Zone 1	Manual	S	S	
2	Manual No.2	Zone 1	Manual	S	S	
3	Manual No.3	Zone 1	Manual	S	S	
4	Manual No.4	Zone 1	Manual	S	S	
5	Manual No.5	Zone 1	Manual	S	S	
6	Manual No.6	Zone 1	Manual	S	S	
7	Manual No.7	Zone 1	Manual	S	S	
8	Manual No.8	Zone 1	Manual	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

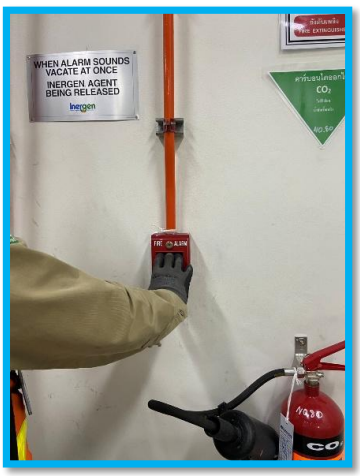
Remark: _____

_____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE ALARM SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INERGEN SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 ENTRY EER. ROOM AUTOPLUS 542R (RCP-01)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 227.6 VAC
Charger control panel 27.19 V.dc
Battery back up 27.16 V.dc (Start using 28/3/26)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 ENTRY EER. ROOM AUTOPLUS 542R (RCP-01)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector to discharge 60 sec.
2	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
3	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
4	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
5	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
6	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
7	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
8	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
9	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
10	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
11	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
12	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
13	ENTRY EER. ROOM	ZONE.3	MANUAL.1	S	S	Immediately
14	ENTRY EER. ROOM	ZONE.3	MANUAL.2	S	S	"
15	ENTRY EER. ROOM	ZONE.3	MANUAL.3	S	S	"
16	ENTRY EER. ROOM	ZONE.4	ABORT SW.1	S	S	Original time
17	ENTRY EER. ROOM	ZONE.4	ABORT SW.2	S	S	"
18	ENTRY EER. ROOM	ZONE.4	ABORT SW.3	S	S	"
19	ENTRY EER. ROOM	NAC.1	KEY SW.	S	S	
20	ENTRY EER. ROOM	NAC.2	ALARM BELL	S	S	
21	ENTRY EER. ROOM	NAC.3	STROBE/HORN	S	S	
22	ENTRY EER. ROOM	ZONE.5	PRESSURE SW.	S	S	
23	ENTRY EER. ROOM	NAC.1	SOLENOID VALVE	S	S	
24	ENTRY EER. ROOM		SHUTDOWN AIR	S	S	First alarm to shutdown air

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to immediately

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 POT EER. ROOM AUTOPLUS 542R (RCP-02)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.3 VAC
Charger control panel 27.42 VDC
Battery back up 27.39 VDC (Start using 28/3/26)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 POT EER. ROOM AUTOPLUS 542R (RCP-02)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	POT EER. ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	POT EER. ROOM	ZONE.2	SMOKE.2	S	S	
3	POT EER. ROOM	ZONE.1	SMOKE.1	S	S	
4	POT EER. ROOM	ZONE.2	SMOKE.2	S	S	
5	POT EER. ROOM	ZONE.3	MANUAL.1	S	S	Immediately
6	POT EER. ROOM	ZONE.3	MANUAL.2	S	S	Immediately
7	POT EER. ROOM	ZONE.4	ABORT SW.1	S	S	Original time 60 sec.
8	POT EER. ROOM	ZONE.4	ABORT SW.2	S	S	"
9	POT EER. ROOM	NAC.1	KEY SW.	S	S	
10	POT EER. ROOM	NAC.2	ALARM BELL	S	S	
11	POT EER. ROOM	NAC.3	STROBE/HORN	S	S	
12	POT EER. ROOM	ZONE.5	PRESSURE SW.	S	S	
13	POT EER. ROOM	NAC.1	SOLENOID VALVE	S	S	
14	POT EER. ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown air

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 EXIT EER. ROOM AUTOPLUS 542R (RCP-03)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 227.6 VAC
Charger control panel 27.49 VDC
Battery back up 27.44 VDC (Start using 28/7/25)

*

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 EXIT EER. ROOM AUTOPLUS 542R (RCP-03)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	
3	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	
4	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	
5	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	
6	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	
7	EXIT EER.ROOM	ZONE.3	MANUAL 1	S	S	Immediately
8	EXIT EER.ROOM	ZONE.3	MANUAL 2	S	S	Immediately
9	EXIT EER.ROOM	ZONE.3	MANUAL 3	S	S	"
10	EXIT EER.ROOM	ZONE.4	ABORT.SW 1	S	S	original time 60 sec.
11	EXIT EER.ROOM	ZONE.4	ABORT.SW 2	S	S	"
12	EXIT EER.ROOM	ZONE.4	ABORT.SW 3	S	S	"
13	EXIT EER.ROOM	NAC.1	KEY SW.	S	S	
14	EXIT EER.ROOM	NAC.2	ALARM BELL	S	S	Alarm 2
15	EXIT EER.ROOM	NAC.3	STROBE/HORN	S	S	Alarm 1
16	EXIT EER.ROOM	ZONE.5	PRESSURE SW.	S	S	
17	EXIT EER.ROOM	NAC.1	SOLENOID VALVE	S	S	
18	EXIT EER.ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown
19	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	
20	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 PLC EER. ROOM AUTOPLUS 542R (RCP-04)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

Y = Satisfactory N = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.9 VAC
Charger control panel 27.53 Vdc.
Battery back up 27.51 Vdc. (Start using 28/7/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 PLC EER. ROOM AUTOPLUS 542R (RCP-04)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	PLC EER.ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	PLC EER.ROOM	ZONE.2	SMOKE.2	S	S	
3	PLC EER.ROOM	ZONE.1	SMOKE.1	S	S	
4	PLC EER.ROOM	ZONE.2	SMOKE.2	S	S	
5	PLC EER.ROOM	ZONE.3	MANUAL.	S	S	Immediately
6	PLC EER.ROOM	ZONE.4	ABORT.SW	S	S	original time 60 sec.
7	PLC EER.ROOM	NAC.1	KEY SW.	S	S	
8	PLC EER.ROOM	NAC.2	ALARM BELL	S	S	Alarm 2
9	PLC EER.ROOM	NAC.3	STROBE/HORN	S	S	Alarm 1
10	PLC EER.ROOM	ZONE.5	PRESSURE SW.	S	S	
11	PLC EER.ROOM	NAC.1	SOLENOID VALVE	S	S	
12	PLC EER.ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 MV switch ROOM. AUTOPLUS 542R (RCP-05)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.7 VAC
Charger control panel 27.35 Vdc.
Battery back up 27.31 Vdc. (Start using 28/7/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 MV SWITCH ROOM AUTOPLUS 542R (RCP-05)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MV SWITCH ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	MV SWITCH ROOM	ZONE.2	SMOKE.2	S	S	
3	MV SWITCH ROOM	ZONE.1	SMOKE.1	S	S	
4	MV SWITCH ROOM	ZONE.2	SMOKE.2	S	S	
5	MV SWITCH ROOM	ZONE 3	MANUAL	S	S	Immediately
6	MV SWITCH ROOM	ZONE 3	MANUAL	S	S	"
7	MV SWITCH ROOM	ZONE 4	ABORT.SW	S	S	original time 60 sec.
8	MV SWITCH ROOM	ZONE 4	ABORT.SW	S	S	"
9	MV SWITCH ROOM	NAC.1	KEY SW.	S	S	
10	MV SWITCH ROOM	NAC.2	ALARM BELL	S	S	
11	MV SWITCH ROOM	NAC.3	STROBE/HORN	S	S	
12	MV SWITCH ROOM	ZONE.5	PRESSURE SW.	S	S	
13	MV SWITCH ROOM	NAC.1	SOLENOID VALVE	S	S	
14	MV SWITCH ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INERGEN CYLINDER SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Entry EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL-3 ENTRY EER ROOM	14104043	S	4350 Psi	Aug-17	Oct-25	
2	MCL-3 ENTRY EER ROOM	14103949	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL-3 ENTRY EER ROOM	14103933	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL-3 ENTRY EER ROOM	14104537	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL-3 ENTRY EER ROOM	14104168	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL-3 ENTRY EER ROOM	14103957	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL-3 ENTRY EER ROOM	14104026	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
8	MCL-3 ENTRY EER ROOM	14104020	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL-3 ENTRY EER ROOM	14104100	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL-3 ENTRY EER ROOM	14104196	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL-3 ENTRY EER ROOM	14103998	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL-3 ENTRY EER ROOM	14104014	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL-3 ENTRY EER ROOM	14104015	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL-3 ENTRY EER ROOM	14104108	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL-3 ENTRY EER ROOM	14104013	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
16	MCL-3 ENTRY EER ROOM	14104240	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
17	MCL-3 ENTRY EER ROOM	14104215	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
18	MCL-3 ENTRY EER ROOM	14104202	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
19	MCL-3 ENTRY EER ROOM	14104188	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
20	MCL-3 ENTRY EER ROOM	14104126	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
21	MCL-3 ENTRY EER ROOM	14104008	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
22	MCL-3 ENTRY EER ROOM	14104754	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
23	MCL-3 ENTRY EER ROOM	14103987	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
24	MCL-3 ENTRY EER ROOM	14104110	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
25	MCL-3 ENTRY EER ROOM	14103951	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
26	MCL-3 ENTRY EER ROOM	14104079	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
27	MCL-3 ENTRY EER ROOM	14104129	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
28	MCL-3 ENTRY EER ROOM	14104124	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
29	MCL-3 ENTRY EER ROOM	14104166	S	4350 Psi	Aug-17	Aug-24	
30	MCL-3 ENTRY EER ROOM	14103941	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Entry EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL-3 ENTRY EER ROOM	14183954	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
32	MCL-3 ENTRY EER ROOM	14104569	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
33	MCL-3 ENTRY EER ROOM	14104529	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
34	MCL-3 ENTRY EER ROOM	14104583	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
35	MCL-3 ENTRY EER ROOM	14104568	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
36	MCL-3 ENTRY EER ROOM	14104016	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
37	MCL-3 ENTRY EER ROOM	14103981	S	4350 Psi	Aug-17	Oct-22	
38	MCL-3 ENTRY EER ROOM	14104252	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
39	MCL-3 ENTRY EER ROOM	14104294	S	4350 Psi	Aug-17	Aug-24	
40	MCL-3 ENTRY EER ROOM	14104084	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
41	MCL-3 ENTRY EER ROOM	14104786	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
42	MCL-3 ENTRY EER ROOM	141071912	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
43	MCL-3 ENTRY EER ROOM	14104160	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
44	MCL-3 ENTRY EER ROOM	14104273	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
45	MCL-3 ENTRY EER ROOM	14104268	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
46	MCL-3 ENTRY EER ROOM	14104024	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
47	MCL-3 ENTRY EER ROOM	14104253	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
48	MCL-3 ENTRY EER ROOM	14104101	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
49	MCL-3 ENTRY EER ROOM	14104247	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
50	MCL-3 ENTRY EER ROOM	14104035	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
51	MCL-3 ENTRY EER ROOM	14104142	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
52	MCL-3 ENTRY EER ROOM	14104032	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
53	MCL-3 ENTRY EER ROOM	14104138	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
54	MCL-3 ENTRY EER ROOM	14104157	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
55	MCL-3 ENTRY EER ROOM	14104264	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
56	MCL-3 ENTRY EER ROOM	14104002	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
57	MCL-3 ENTRY EER ROOM	14103977	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
58	MCL-3 ENTRY EER ROOM	13607784	S	112 Psi (Pilot)	Aug-17		over pressure, ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Port EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 PORT EER ROOM	14104037	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 PORT EER ROOM	14104036	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 PORT EER ROOM	14104270	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL 3 PORT EER ROOM	14104281	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 PORT EER ROOM	14103980	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 PORT EER ROOM	14104081	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL 3 PORT EER ROOM	14104287	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
8	MCL 3 PORT EER ROOM	14104544	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL 3 PORT EER ROOM	14104210	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL 3 PORT EER ROOM	14104284	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL 3 PORT EER ROOM	14104254	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL 3 PORT EER ROOM	14104164	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL 3 PORT EER ROOM	14104012	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL 3 PORT EER ROOM	14104060	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL 3 PORT EER ROOM	14104139	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
16	MCL 3 PORT EER ROOM	14104000	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
17	MCL 3 PORT EER ROOM	14104010	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
18	MCL 3 PORT EER ROOM	14104004	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
19	MCL 3 PORT EER ROOM	14104080	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
20	MCL 3 PORT EER ROOM	14104752	S	4350 Psi	Aug-17	Oct-25	
21	MCL 3 PORT EER ROOM	14103915	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
22	MCL 3 PORT EER ROOM	14104785	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
23	MCL 3 PORT EER ROOM	13688607	S	100 bar (Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Exit EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 EXIT EER ROOM	14104149	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 EXIT EER ROOM	14104091	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 EXIT EER ROOM	14104099	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL 3 EXIT EER ROOM	14104007	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 EXIT EER ROOM	14104262	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 EXIT EER ROOM	14104289	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL 3 EXIT EER ROOM	14103949	S	4350 Psi	Aug-17	Oct-25	
8	MCL 3 EXIT EER ROOM	14104293	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL 3 EXIT EER ROOM	14104028	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL 3 EXIT EER ROOM	14104031	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL 3 EXIT EER ROOM	14104019	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL 3 EXIT EER ROOM	14071139	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL 3 EXIT EER ROOM	14056469	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL 3 EXIT EER ROOM	14056611	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL 3 EXIT EER ROOM	14104577	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
16	MCL 3 EXIT EER ROOM	14071800	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
17	MCL 3 EXIT EER ROOM	14104797	S	4350 Psi	Aug-17	Mar-24	
18	MCL 3 EXIT EER ROOM	14104905	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
19	MCL 3 EXIT EER ROOM	14104909	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
20	MCL 3 EXIT EER ROOM	14056837	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
21	MCL 3 EXIT EER ROOM	14071192	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
22	MCL 3 EXIT EER ROOM	14071148	S	4350 Psi	Aug-17	Oct-22	
23	MCL 3 EXIT EER ROOM	14104034	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
24	MCL 3 EXIT EER ROOM	14104027	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
25	MCL 3 EXIT EER ROOM	14104025	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
26	MCL 3 EXIT EER ROOM	14103193	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
27	MCL 3 EXIT EER ROOM	14104045	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
28	MCL 3 EXIT EER ROOM	14104130	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
29	MCL 3 EXIT EER ROOM	14104111	S	4350 Psi	Aug-17	Mar-24	
30	MCL 3 EXIT EER ROOM	14104235	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Exit EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL 3 EXIT EER ROOM	14104192	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
32	MCL 3 EXIT EER ROOM	14104083	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
33	MCL 3 EXIT EER ROOM	14104001	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
34	MCL 3 EXIT EER ROOM	14104552	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
35	MCL 3 EXIT EER ROOM	14071980	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
36	MCL 3 EXIT EER ROOM	14104017	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
37	MCL 3 EXIT EER ROOM	14104211	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
38	MCL 3 EXIT EER ROOM	14104216	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
39	MCL 3 EXIT EER ROOM	14104230	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
40	MCL 3 EXIT EER ROOM	14104255	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
41	MCL 3 EXIT EER ROOM	14104259	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
42	MCL 3 EXIT EER ROOM	14071913	S	4350 Psi	Aug-17	Oct-25	
43	MCL 3 EXIT EER ROOM	14104267	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
44	MCL 3 EXIT EER ROOM	14103922	S	4350 Psi	Aug-17	Oct-22	
45	MCL 3 EXIT EER ROOM	13607776	S	100 (Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL THAILAND(MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 MV EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 MV EER ROOM	14103923	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 MV EER ROOM	14103928	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 MV EER ROOM	14103950	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL 3 MV EER ROOM	14104102	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 MV EER ROOM	14103934	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 MV EER ROOM	14103929	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL 3 MV EER ROOM	14071861	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
8	MCL 3 MV EER ROOM	14071493	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL 3 MV EER ROOM	14104557	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL 3 MV EER ROOM	14104542	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL 3 MV EER ROOM	14104561	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL 3 MV EER ROOM	14056466	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL 3 MV EER ROOM	14104517	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL 3 MV EER ROOM	14056636	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL 3 MV EER ROOM	14104248	S	4350 Psi	Aug-17	Oct-22	
16	MCL 3 MV EER ROOM	U8/1UT	S	100 bar(Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 25 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 PLC & Computor Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 PLC & COMPUTOR ROOM	14103988	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 PLC & COMPUTOR ROOM	14104766	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 PLC & COMPUTOR ROOM	14104757	US	0 Psi	Aug-17		ควรนำไป Hydro test และ Refill, low pressure
4	MCL 3 PLC & COMPUTOR ROOM	14104907	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 PLC & COMPUTOR ROOM	14104758	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 PLC & COMPUTOR ROOM	U8/2UT	S	100 bar(Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: No. 14104757 low pressure = 1 ถัง

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST INERGEN SYSTEM

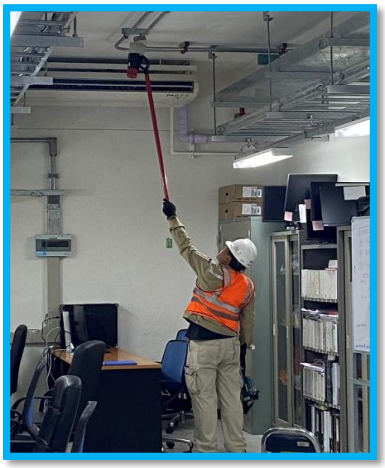
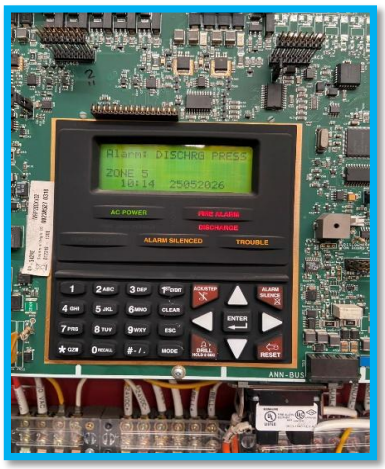


Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

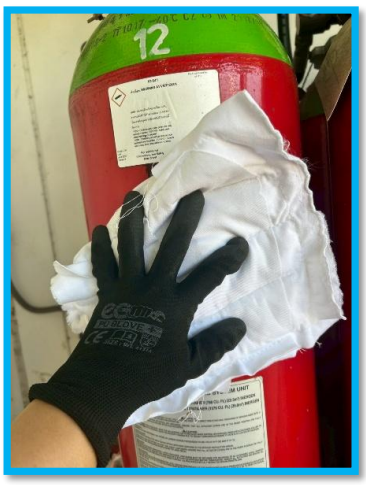


Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

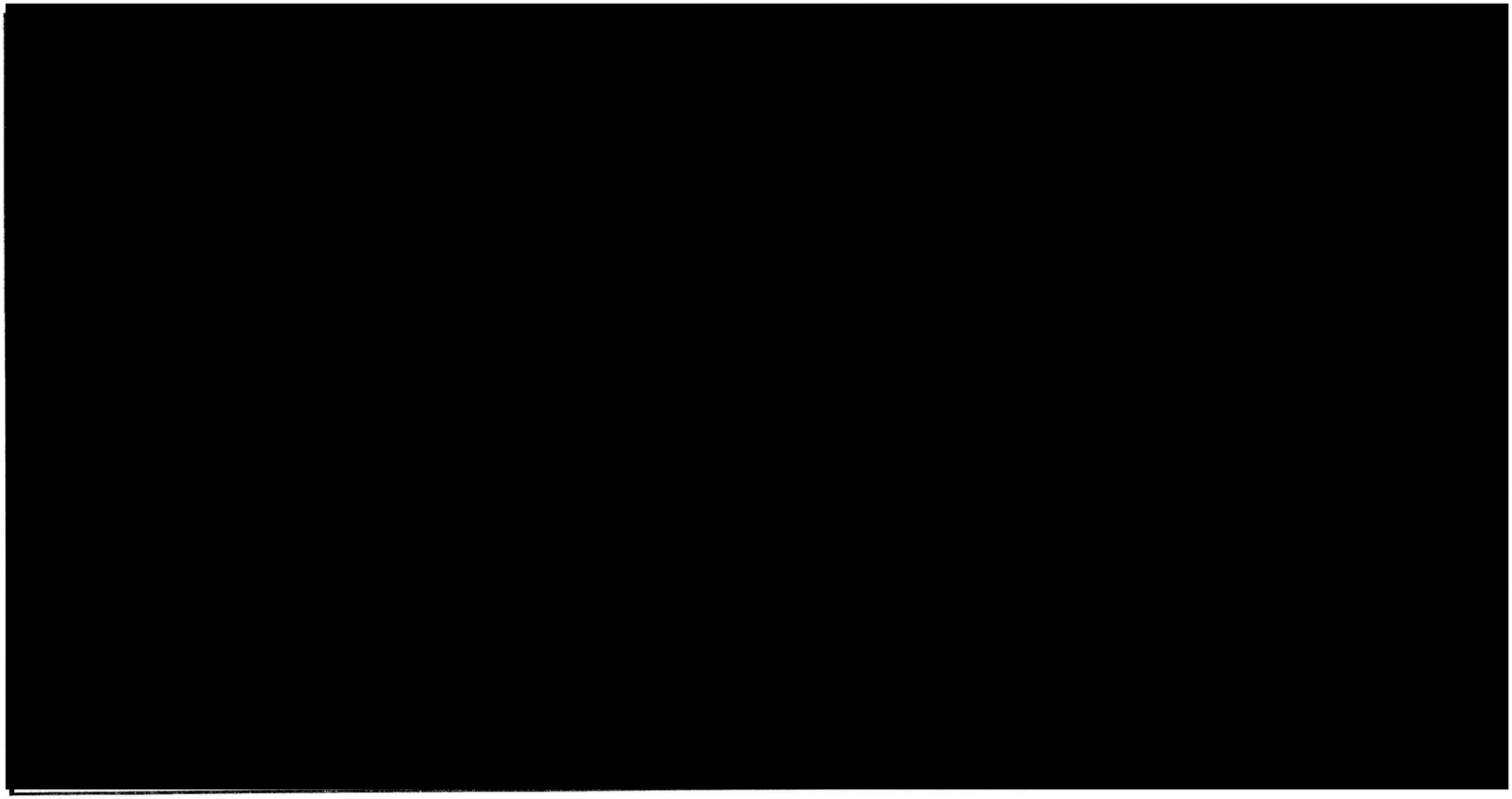
Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DELUGE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

SYSTEM COMPONENTS



TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR DELUGE SYSTEM

1 Spray Nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. Pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

4 Gauges : Note condition of gauges. Record water pressure (PSI)

5 Flow Test : Conduct full flow test. Assure system operates properly and record operation time.

6 Deluge Valve : Internal inspect deluge or preaction valve. Verify that all components operate, properly, move freely and in good condition. If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe un der " Remark "

7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

8 Deluge Supervisory Panel and equipments appear operation. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

AUTOMATIC SPRINKLER SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR AUTOMATIC SPRINKLER SYSTEM(WET PIPE)

1 Sprinkler nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no obstructions, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
4 Gauges : Note condition of gauges. Record water pressure (PSI)	
5 Flow Test : Conduct full flow test at test valve for ensure alarm gong or pressure switch work properly in alarm function	
6 Alarm Valve: Internal inspect alarm valve. Verify that all components to proper operate ,move freely and in good condition If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under "remark"	S
7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S
8 Main drain valve: check main drain valve are in close position and no leak	
9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S

Inspector By: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **26 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL-3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
1	DV-LISTED ZONE. 1	MCL 3 . BC33	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
2	DV-LISTED ZONE. 2	MCL 3. BE33	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
3	DV-LISTED ZONE. 3	MCL 3 .BC31	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
4	DV-LISTED ZONE. 4	MCL 3 .BE29	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
5	DV-LISTED ZONE. 5	MCL 3 .BC27	N/A	N/A	S	160	175	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-1 Pressure gauge ด้านบนรั่วซึม ด้านล่างรั่วซึม
DV-2 Pressure gauge ด้านบนรั่วซึม ด้านล่างรั่วซึม
DV-5 Pressure gauge ด้านล่างรั่วซึม
DV-3 Pressure gauge ด้านล่างรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **26 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL-3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
6	DV-LISTED ZONE. 6	MCL 3 .BE26	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
7	DV-LISTED ZONE. 7	MCL 3 .BC21	N/A	N/A	S	145	150	N/A	N/A	N/A	S	S	S	S	S	N/A	
8	DV-LISTED ZONE. 8	MCL 3 .BE21	N/A	N/A	S	150	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
9	DV-LISTED ZONE. 9	MCL 3 .BC19	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
10	DV-LISTED ZONE. 10	MCL 3 .BE19	N/A	N/A	S	150	170	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-6 Pressure gauge ด้านล่างรั่วซึม
DV-8 Pressure gauge ด้านล่างรั่วซึม
DV-7 Pressure gauge ด้านล่างรั่วซึม ด้านบนรั่วซึม
DV-9 Pressure gauge ด้านล่างรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **26 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL 3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
11	DV-LISTED ZONE. 11	MCL 3 .BC13	N/A	N/A	S	140	150	N/A	N/A	N/A	S	S	S	S	S	N/A	
12	DV-LISTED ZONE. 12	MCL 3 .BE12	N/A	N/A	S	140	150	N/A	N/A	N/A	S	S	S	S	S	N/A	
13	DV-LISTED ZONE. 13	MCL 3 .BC10	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
14	DV-LISTED ZONE. 14	MCL 3 .BE10	N/A	N/A	S	145	150	N/A	N/A	N/A	S	S	S	S	S	N/A	
15	DV-LISTED ZONE. 15	MCL 3 .BC5	N/A	N/A	S	155	150	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-11 Pressure gauge ด้านบนรั่วซึม
DV-12 Pressure gauge ด้านบนรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **26 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL 3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
16	DV-LISTED ZONE. 16	MCL 3 .BF5	N/A	N/A	S	140	150	N/A	N/A	N/A	S	S	S	S	S	N/A	
17	DV-LISTED ZONE. 17	MCL 3 .BD4	N/A	N/A	S	145	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
18	DV-LISTED ZONE. 18	MCL 3 .BH5	N/A	N/A	S	140	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
19	DV-LISTED ZONE. 19	MCL 3 .BH4	N/A	N/A	S	140	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
20	DV-LISTED ZONE. 20	MCL 3 .BI5	N/A	N/A	S	145	155	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-18 Pressure gauge ด้านล่างรั่วซึม
DV-20 Pressure gauge ด้านล่างรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **26 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
21	DV-LISTED ZONE. 21	MCL 3 .BI4	N/A	N/A	S	140	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
22	DV-LISTED ZONE. 22	MCL 3 .OP105	N/A	N/A	S	145	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
23	DV-LISTED ZONE. 23	MCL 3 .OP109	N/A	N/A	S	145	150	N/A	N/A	N/A	S	S	S	S	S	N/A	
24	AV-LISLED NO.1	WEST WATER	N/A	N/A	S	140	150	N/A	N/A	S	S	S	S	S	S	N/A	
25	AV-LISLED NO.2	EGD.& POT PULPIT	N/A	N/A	S	145	175	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :
DV-21 Pressure gauge ด้านล่างรั่วซึม
DV-23 Pressure gauge ด้านบนรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **26 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
26	AV-LISTED NO. 3	COATOR PULPIT	N/A	N/A	S	145	165	N/A	N/A	S	S	S	S	S	S	N/A	
27	AV-LISTED NO. 4	Gamling area	N/A	N/A	S	140	160	N/A	N/A	S	S	S	S	S	S	N/A	
28	AV-LISTED NO. 5	Gamling area	N/A	N/A	S	145	165	N/A	N/A	S	S	S	S	S	S	N/A	
29	AV-LISTED NO. 6	ENTRY WASH	N/A	N/A	S	150	200	N/A	N/A	S	S	S	S	S	S	N/A	
30	AV-LISTED NO. 7	LAB&PROCESS	N/A	N/A	S	140	200	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **26 May 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
31	AV-LISTED NO. 8	MCL 3 .OP 122	N/A	N/A	S	140	200	N/A	N/A	S	S	S	S	S	S	N/A	ไม่มี Relief Valve
32	AV-LISTED NO. 9	MCL 3 .Fire Pump	N/A	N/A	S	155	170	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Water spray)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 26 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Coater Room / Local / Fire Fighting System Control Panal

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	N/A	
1.2 Check condition of Lamp & LEDs	S	N/A	
1.3 Check power supply for FCP and battery	S	N/A	
1.4 Check cable connection / terminal	S	N/A	
1.5 Check Alarm Condition / Function Test	S	N/A	
1.6 Visual check condition of battery and housing of battery	S	N/A	
1.7 Cleaning of FCP	S	N/A	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	N/A	
2.2 Cross zone function test of detector	S	N/A	
2.3 Check condition of all manual release	S	N/A	
2.4 Check condition of solenoid and function test	S	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	N/A	
2.7 Visual check slector valve and function test	S	N/A	
2.8 Check condition of all alarm device and tested	S	N/A	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check the container pressure gauges for operation pressure.	N/A	N/A	
3.4 Check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Power supply 231.4 VAC.
Charger 27.62 VDC.
Battery 27.58 VDC.

* Function test manual ไม่มีสัญญาณ alarm ส่งไปที่ตู้ control fire alarm

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Water spray)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 26 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Coater Room / Local / Fire Fighting System Control Panal

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	Coater Room Fl.1	ZONE.2-1	Flame Detector	N/A	N/A	
2	Coater Room Fl.1	ZONE.2-1	Flame Detector	N/A	N/A	
3	Coater Room Fl.1	ZONE.2-1	Flame Detector	N/A	N/A	
4	Coater Room Fl.1	ZONE.2-1	Flame Detector	N/A	N/A	
5	Coater Room Fl.1	ZONE.2-1	Manual Release	N/A	N/A	
6	Coater Room Fl.1	ZONE.2-1	Manual Release	N/A	N/A	
7	Coater Room Fl.1	ZONE.2-1	Manual Release	N/A	N/A	
8	Coater Room Fl.1	ZONE.2-1	Pressure SW.	N/A	N/A	
9	Coater Room Fl.1	ZONE.2-1	Alarm Horn	N/A	N/A	
10	Coater Room Fl.1	ZONE.2-1	Section Valve	N/A	N/A	
11	Coater Room Fl.2	ZONE.2-2	Flame Detector	N/A	N/A	
12	Coater Room Fl.2	ZONE.2-2	Flame Detector	N/A	N/A	
13	Coater Room Fl.2	ZONE.2-2	Flame Detector	N/A	N/A	
14	Coater Room Fl.2	ZONE.2-2	Flame Detector	N/A	N/A	
15	Coater Room Fl.2	ZONE.2-2	Manual Release	N/A	N/A	
16	Coater Room Fl.2	ZONE.2-2	Manual Release	N/A	N/A	
17	Coater Room Fl.2	ZONE.2-2	Manual Release	N/A	N/A	
18	Coater Room Fl.2	ZONE.2-2	Pressure SW.	N/A	N/A	
19	Coater Room Fl.2	ZONE.2-2	Alarm Horn	N/A	N/A	
20	Coater Room Fl.2	ZONE.2-2	Section Valve	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : - Flame detector (Mode auto) Alarm 1 ตัว section valve ทำงานทันที ระบบ shut down ทำงาน
- Flame detector (Mode auto) Alarm 1 ตัว section valve ไม่ทำงาน pump ไม่ทำงาน ระบบ shut down ทำงานปกติ
- Manual release (Mode auto) Alarm section valve ทำงาน pump ทำงาน ระบบ shut down ไม่ทำงาน
- Manual release (Mode manual) Alarm section valve ทำงาน pump ทำงาน ระบบ shut down ไม่ทำงาน

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST AUTOMATIC SPRINKLER SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand)
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HYDRANT SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 26 May 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8		
		MCL-3	*MCL-3*	*MCL-3*	*MCL-3*	*MCL-3*	*MCL-3*	*MCL-3 Gamling*	*MCL-3 Gamling*		
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**US**	**S**	**S**		
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	-Cap	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: 1. Fire hydrant no.6 ท่อถูกกัดกร่อนเป็นสนิม

2. Fire hydrant no. 5 ยังไม่ได้เปิด main valve ใช้งาน

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HYDRANT SYSTEM

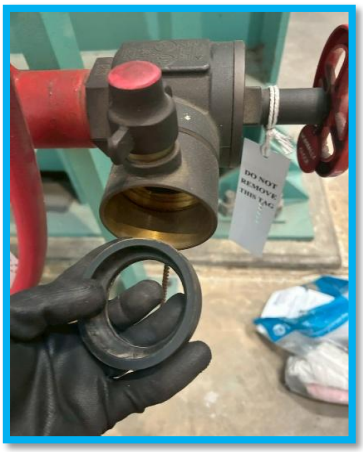
		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand)
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE CABINET

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE CABINET

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 26 May 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.4	NO.5								
		MCL-3	*MCL-3*								
Cabinet	- Corrosion	**S**	**S**								
	- Door	**S**	**S**								
	- Key lock	**S**	**S**								
support	- Corrosion	**S**	**S**								
	Condition	**S**	**S**								
hose	Coupling	**S**	**S**								
	Connector Locker	**S**	**S**								
	Seal condition	**S**	**S**								
	Hydrostatic test 300 psi size 1.5"	**N/A**	**N/A**								
	Hydrostatic test 300 psi size 2.5"	**มีสาย2เส้นหัวฉีด1**	**มีสาย2เส้นหัวฉีด1**								
nozzel	- Leakage	**S**	**S**								
	- Condition	**S**	**S**								
	- Corrosion	**S**	**S**								

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE CABINET SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand)
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 26 May 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9	
		MCL-3 BC30	*MCL-3 BC25*	*MCL-3 BC20*	*MCL-3 BC13*	*MCL-3 BC8*	*MCL-3 BC4*	*MCL-3 BI4*	*MCL-3 BE8*	*MCL-3 BE16*	
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	S	S	S	S	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzel	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 26 May 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.10	NO.11	NO.12	NO.13	NO.14	NO.15	NO.16	NO.17	NO.18	
		MCL-3 BE25	*MCL-3 BE34*	*MCL-3 West water*	*MCL-3 west water*	*MCL-3 Gamling*	*MCL-3 gamling*	*MCL-3 Gamling*	*MCL-3 Gamling*	*MCL-3 Gamling*	
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	S	S	S	S	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzle	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 26 May 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25			
		MCL-3 FL.1	*MCL-3 FL.2*	*MCL-3 FL.3*	*MCL-3 FL.4*	*MCL-3 FL.5*	*MCL-3 FL.6*	*MCL-3 FL.7*			
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Support	- Corrosion	S	S	S	S	S	S	S			
	Condition	S	S	S	S	S	S	S			
Component	Control valve condition	S	S	S	S	S	S	S			
	Connector Locker	S	S	S	S	S	S	S			
	Seal condition	S	S	S	S	S	S	S			
	Pipe system is in good condition	S	S	S	S	S	S	S			
	all hose and hose valve is in good condition	S	S	S	S	S	S	S			
Nozzle	- Leakage	S	S	S	S	S	S	S			
	- Condition	S	S	S	S	S	S	S			
	- Corrosion	S	S	S	S	S	S	S			

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE REEL SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Tel : 02-366 -9000 , FAX : 02-366-9090
www.tkfs.co.th

FIRE PUMP

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ENGINE FIRE PUMP SYSTEM NO.1

PROJECT NAME : BLUE SCOPE STEEL THAILAND (MCL 3) **LOCATION :** RAYONG ,THAILAND.

ENGINE BRAND	**JOHN DEERE**	MODEL	**6090HFC47**	SERIAL No.	**RG6090L130015**
RATING	**-**	SPEED	**1760**	RPM.	
PUMP BRAND	**PENTAIR**	MODEL	**8-491-18A**	SERIAL No.	**17-2508720**
FLOW RATE	**3000 GPM**	SUCTION DIA.	**12"**	DISCHARGE DIA.	**8"**
DESIGN PRESSURE	**125**	SPEED	**1760**	RPM.	
CONTROL PANEL BRAND	**FIRE TROL**	MODEL	**FTA1100-JL12N**	SERIAL No.	**1546968-01RE**
ELECTRICAL SYSTEM	**AC**	VOLTS.	**220**	GROUND	NEG

MONTHLY PREVENTATIVE MAINTENANCE

ENGINE

ITEM	DESCRIPTION	
1	WATER TEMPERATURE	174 °F
2	WATER LEVEL	Normal
3	OIL LEVEL	Normal
4	OIL PRESSURE	42 Psi
5	VOLTS. (CHARGING ALTERNATOR)	13.9 / 14.0
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	1749
8	HOUR RUNNING	41.0
9	FUEL LEVEL 3 / 4 OR 80%	85%
10	BATTERY ELECTROLYTE	Normal
11	CHECKED FOR WATER LEAK	Normal
12	CHECKED FOR FUEL LEAK	Normal
13	CHECKED FOR OIL LEAK	Normal
14	CLEANED	Normal

PUMP

ITEM	DESCRIPTION		
1	VISUAL CHECKED		Normal
2	BEARING TEMPERATURE		61/42 °C
3	DISCHARGE PRESSURE		150 Psi
4	SUCTION PRESSURE		0.5 Psi
5	NOISE		Normal
6	COUPLING		Normal
7	CHECKED FOR WATER LEAK	#	Normal
8	CHECKED PIPE & CONNECTOR		Normal
9	CHECKED PACKING SEAL	#	Normal
10	CHECKED FOR LUBRICATE		Normal
11	CHECKED FOR CORROSION		Normal
12	CLEANED		Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	CLEANED	Normal
2	LAMP TESTED	Normal
3	CHECKED POWER SUPPLY	Normal
4	BATTERY CHARGER	Normal

CONTROL PANEL(CONTINUE)

ITEM	DESCRIPTION	
5	VOLTS. (CHARGER) BATT.1 / BATT.2	N/A
6	AMP.(CHARGER) BATT.1 / BATT.2	N/A
7	CHECKED FOR CORROSION	Abnormal
8	START AT PRESSURE	120 Psi

RECOMMENDATION

*Check condition of pump and cleaning

*function test manual/auto the pump is working properly

* Replace spare part 27/6/24

Start using battery 2/7/24

* จอ Display สำหรับตู้ control engine fire pump อุปกรณ์เสีย (จอดำ)

Subin, Pattanasit, Somkid, Anuchit, Perakant

27-May-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR FIRE PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND (MCL3) **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	**MARATHON**	MODEL	**SF 449TSTFS14542AA W.**			SERIAL No.	**WAA111229**
RATING		SPEED	**1485**			RPM.	
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**	Hz.	**50**	AMP.	410
PUMP BRAND	**PENTAIR**	MODEL	**10-471-20B**			SERIAL No.	**17-2517080**
FLOW RATE	**3000 GPM**	SUCTION DIA.	**12"**			DISCHARGE DIA.	**10"**
DESIGN PRESSURE		SPEED				RPM.	
CONTROL PANEL BRAND	**FIRE TROL**	MODEL	**FTA1300-AM300FZ**			SERIAL No.	**1547587-01RE**
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**			GROUND	NEG.

MONTHLY PREVENTATIVE MAINTENANCE

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	Normal
3	VOLTS	384 / 383 / 382
4	AMP.	248 / 263 / 259
5	SPEED RUNNING (RPM.)	1492
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	31/31 °C
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0.2 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	130 Psi

RECOMMENDATION

Check condition of pump and cleaning

*function test manual/auto the pump is working properly

Subin, Pattanasit, Somkid, Anuchit, Perakant

27-May-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR JOCKEY PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND (MCL 3) **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	**WEG**	MODEL	**W21-AL112M-02**			SERIAL No.	**1035756327**
RATING		SPEED	**2870**			RPM.	
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**	Hz.	**50**	AMP.	**8.18**
PUMP BRAND	**PENTAIR**	MODEL	**PVMI5-22-F-TI1-50**			SERIAL No.	**211000275-1/1**
FLOW RATE	**2.5-8.5 m3/h**	SUCTION DIA.	**1 1/2"**			DISCHARGE DIA.	**1 1/2"**
DESIGN PRESSURE	**142-69 m**	SPEED	**2900**			RPM.	
CONTROL PANEL BRAND	**FIRE TROL**	MODEL				SERIAL No.	
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**			GROUND	**NEG**

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	30 °C
3	VOLTS	391 / 391 / 391
4	AMP	6.1 / 5.8 / 5.5
5	SPEED RUNNING (RPM.)	2940
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	Normal
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0.4 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	135 Psi
	CUT OFF	150 Psi

RECOMMENDATION

Check condition of pump and cleaning

*function test manual/auto the pump is working properly

* Check valve ขนาด 2" line discharge ข้อต่อเกลียวมีน้ำรั่วซึมถูกกัดกร่อนเป็นสนิม

Subin, Pattanasit, Somkid, Anuchit, Perakant

27-May-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE PUMP SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

EMERGENCY LIGHT

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAILAND(MCL3)
REF.Contract NO : 6/year
Inspection Date :
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Brand	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remark
1	EML 1	MAX	MCL3 OP126/BJ 5	S	S	S	S	S	
2	EML 2	MAX	MCL3 BH 5	S	S	S	S	S	
3	EML 3	MAX	MCL3 BF 5	S	S	S	S	S	
4	EML 4	MAX	MCL3 LAB Room.	S	S	S	S	S	
5	EML 5	MAX	MCL3 BE 7	S	S	S	S	S	
6	EML 6	Sunny	MCL3 BE 9	S	S	S	S	S	
7	EML 7	Sunny	MCL3 OP 129/BE 11	US	US	US	US	US	อุปกรณ์เสีย
8	EML 8	Sunny	MCL3 BE 13	S	S	S	S	S	
9	EML 9	Sunny	MCL3 BE 15	US	US	US	US	US	อุปกรณ์เสีย
10	EML 10	Sunny	MCL3 OP130/BE 17	S	S	S	S	S	
11	EML 11	MAX	MCL3 BE 19	S	S	S	S	S	
12	EML 12	MAX	MCL3 BE 21	S	S	S	S	S	
13	EML 13	MAX	MCL3 BE 23	S	S	US	S	S	แบตเสื่อม 12 V/7.5 Ah.
14	EML 14	Sunny	MCL3 BE 25	S	S	S	S	S	
15	EML 15	Sunny	MCL3 BE 27	S	S	S	S	S	
16	EML 16	MAX	MCL3 ENTRY PULPIT Room.	S	S	S	S	S	
17	EML 17	Sunny	MCL3 BE 29	S	S	S	S	S	
18	EML 18	MAX	MCL3 BE 31	US	US	US	US	US	อุปกรณ์เสีย
19	EML 19	Sunny	MCL3 BE 33	S	S	S	S	S	
20	EML 20	Sunny	MCL3 BE 34	S	S	S	S	S	
21	EML 21	Sunny	MCL3 OP 95/BC 34	S	S	S	S	S	
22	EML 22	MAX	MCL3 BC 32	S	S	S	S	S	
23	EML 23	MAX	MCL3 BC 30	S	S	S	S	S	
24	EML 24	Sunny	MCL3 BC 28	S	S	S	S	S	
25	EML 25	Sunny	MCL3 OP 96/BC 26	US	US	US	US	US	อุปกรณ์เสีย
26	EML 26	MAX	MCL3 BC 24	S	S	S	S	S	
27	EML 27	Sunny	MCL3 BC 22	S	S	S	S	S	
28	EML 28	Sunny	MCL3 BC 20	S	S	S	S	S	
29	EML 29	Sunny	MCL3 BE 18	S	S	S	S	S	
30	EML 30	Sunny	MCL3 OP 104	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAILAND(MCL3)
REF.Contract NO : 6/year
Inspection Date : 26 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Brand	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remark
31	EML 31	Sunny	MCL3 BC 16	S	S	S	S	S	
32	EML 32	MAX	MCL3 BC 14	S	S	S	S	S	
33	EML 33	Sunny	MCL3 BC 12	S	S	S	S	S	
34	EML 34	Sunny	MCL3 BC 10	S	S	S	S	S	
35	EML 35	Sunny	MCL3 BC 8	S	S	S	S	S	
36	EML 36	MAX	MCL3 COATOR Room. FL.1	S	S	S	S	S	
37	EML 37	MAX	MCL3 COATOR Room. FL.2	S	S	US	S	S	แบตเสื่อม 12 V/7.5 Ah.
38	EML 38	Sunny	MCL3 BC 6	S	S	S	S	S	
39	EML 39	MAX	MCL3 BC 4-2	S	S	S	S	S	
40	EML 40	Sunny	MCL3 OP121/BC 4	S	S	S	S	S	
41	EML 41	MAX	MCL3 BE 4	S	S	S	S	S	
42	EML 42	Sunny	MCL3 BG 4	US	US	US	US	US	อุปกรณ์เสีย
43	EML 43	MAX	MCL3 BI 4	S	S	S	S	S	
44	EML 44	Sunny	MCL3 TOILET MAN OP 122	S	S	S	S	S	
45	EML 45	MAX	MCL3 TOILET WOMEN OP 122	S	S	S	S	S	
46	EML 46	MAX	MCL3 PULPIT GAMLING	S	S	S	S	S	
47	EML 47	Sunny	MCL3 TOILET WOMEN OP 127	S	S	S	S	S	
48	EML 48	MAX	MCL3 TOILET MAN OP 127	S	S	S	S	S	
49	EML 49	MAX	MCL3 MEETING Room op118	S	S	S	S	S	
50	EML 50	Sunny	MCL3 TOILET MAN OP 133	S	S	S	S	S	
51	EML 51	Sunny	MCL3 TOILET WOMEN OP 133	S	S	S	S	S	
52	EML 52	Sunny	MCL3 PIT 6	S	S	S	S	S	
53	EML 53	MAX	MCL3 PIT 6	S	S	S	S	S	
54	EML 54	Sunny	MCL3 PIT 7	S	S	S	S	S	
55	EML 55	Sunny	MCL3 PIT 7	US	US	US	US	US	อุปกรณ์เสีย
56	EML 56	Sunny	MCL3 CABLE CELLA	S	S	S	S	S	
57	EML 57	Sunny	MCL3 CABLE CELLA	N/A	N/A	N/A	N/A	N/A	เข้าพื้นที่ไม่ได้
58	EML 58	Sunny	MCL3 WEST WATER LAB Room.	US	US	US	US	US	อุปกรณ์เสีย
59	EML 59	Sunny	MCL3 WEST WATER LAB Room.	S	S	S	S	S	
60	EML 60	Sunny	MCL3 ENTRY EER Room.	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAILAND(MCL3)
REF.Contract NO : 6/year
Inspection Date : 26 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Brand	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remark
61	EML 61	Sunny	MCL3 ENTRY EER Room	S	S	S	S	S	
62	EML 62	Sunny	MCL3 POT EER Room.	S	S	S	S	S	
63	EML 63	MAX	MCL3 POT EER Room.	S	S	S	S	S	
64	EML 64	Sunny	MCL3 EXIT EER Room.	S	S	S	S	S	
65	EML 65	MAX	MCL3 EXIT EER Room.	S	S	S	S	S	
66	EML 66	Sunny	MCL3 MV Room. FL.1	S	S	S	S	S	
67	EML 67	MAX	MCL3 EXIT PULPIT	S	S	S	S	S	
68	EML 68	Sunny	MCL3 CABLE CELLA	S	S	S	S	S	
69	EML 69	MAX	MCL3 CABLE CELLA	US	US	US	US	US	อุปกรณ์เสีย
70	EML 70	MAX	MCL3 CABLE CELLA	S	S	US	S	S	แบตเสื่อม 12 V/7.5 Ah.
71	EML 71	MAX	MCL3 CABLE CELLA	US	US	US	US	US	อุปกรณ์เสีย
72	EML 72	Sunny	MCL3 PULPIT	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

\

EXIT LIGHT

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Exit Inditcator

Client : NS BLUE SCOPE STEEL THAILAND(MCL3)
REF.Contract NO : 6/year
Inspection Date : 26 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Brand	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remark
1	EXL. 1	Sunny	MCL3 OP 126	S	S	S	S	S	
2	EXL. 2	Sunny	MCL3 BH 5	US	US	US	US	US	อุปกรณ์เสีย (ทางซ้าย)
3	EXL. 3	MAX	MCL3 BF 5	S	S	S	S	S	
4	EXL. 4	Sunny	MCL3 LAB ROOM	S	S	S	S	S	
5	EXL. 5	Sunny	MCL3 OP 127	S	S	S	S	S	
6	EXL. 6	Sunny	MCL3 OP 129	S	S	S	S	S	
7	EXL. 7	Sunny	MCL3 BE 13	S	S	S	S	S	
8	EXL. 8	Sunny	MCL3 BE 15	S	S	S	S	S	
9	EXL. 9	Sunny	MCL3 OP 130	S	S	S	S	S	
10	EXL. 10	MAX	MCL3 BE 19	S	S	S	S	S	
11	EXL. 11	Sunny	MCL3 OP 132	S	S	S	S	S	
12	EXL. 12	Sunny	MCL3 OP 133	S	S	S	S	S	
13	EXL. 13	Sunny	MCL3 OP 134	S	S	S	S	S	
14	EXL. 14	Sunny	MCL3 BE 29	S	S	S	S	S	
15	EXL. 15	Sunny	MCL3 BE 31	S	S	S	S	S	
16	EXL. 16	MAX	MCL3 OP 134/BE 34	S	S	S	S	S	
17	EXL. 17	Sunny	MCL3 OP 95/BC 34	S	S	S	S	S	
18	EXL. 18	MAX	MCL3 BC 32	S	S	S	S	S	
19	EXL. 19	MAX	MCL3 BC 30	S	S	S	S	S	
20	EXL. 20	Sunny	MCL3 BC 28	S	S	S	S	S	
21	EXL. 21	MAX	MCL3 OP 96/BC 26	S	S	S	S	S	
22	EXL. 22	Sunny	MCL3 BC 24	S	S	S	S	S	
23	EXL. 23	MAX	MCL3 OP 101	S	S	S	S	S	
24	EXL. 24	Sunny	MCL3 BC 20	US	US	US	US	US	อุปกรณ์เสีย (ชี้ทางขวา)
25	EXL. 25	Sunny	MCL3 OP 102	S	S	S	S	S	
26	EXL. 26	Sunny	MCL3 OP 105	S	S	S	S	S	
27	EXL. 27	Sunny	MCL3 OP 108	S	S	S	S	S	
28	EXL. 28	Sunny	MCL3 BE 15	S	S	S	S	S	
29	EXL. 29	MAX	MCL3 BC 13	S	S	S	S	S	
30	EXL. 30	MAX	MCL3 OP 112	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Emergency Exit Inditcator

Client : NS BLUE SCOPE STEEL THAILAND(MCL3)
REF.Contract NO : 6/year
Inspection Date : 26 May 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Item	Ext.No.	Brand	Location Building Area	Electric Bulb is good Condition	Power Supply	Battery Full ready for operation	Circuit Board	Physical	Remark
31	EXL. 31	Sunny	MCL3 OP 114	S	S	S	S	S	
32	EXL. 32	Sunny	MCL3 OP 116	S	S	S	S	S	
33	EXL. 33	Sunny	MCL3 OP 117	S	S	S	S	S	
34	EXL. 34	MAX	MCL3 OP 120	S	S	S	S	S	
35	EXL. 35	MAX	MCL3 BE 4	S	S	S	S	S	
36	EXL. 36	MAX	MCL3 BH 4 ชี้ทางขวา	US	US	US	US	US	อุปกรณ์เสีย
37	EXL. 37	Sunny	MCL3 OP 122	S	S	S	S	S	
38	EXL. 38	Sunny	MCL3 OP 124	S	S	S	S	S	
39	EXL. 39	Sunny	MCL3 CABLECELLA	US	US	US	US	US	อุปกรณ์เสีย
40	EXL. 40	Sunny	MCL3 CABLECELLA	US	US	US	US	US	อุปกรณ์เสีย
41	EXL. 41	Sunny	MCL3 PIT 7	S	S	S	S	S	
42	EXL. 42	Sunny	MCL3 PIT 7	S	S	S	S	S	
43	EXL. 43	Sunny	MCL3 MV EER Room.	S	S	S	S	S	
44	EXL. 44	Sunny	MCL3 ENTRY EER Room.	S	S	S	S	S	
45	EXL. 45	Sunny	MCL3 ENTRY EER Room.	S	S	S	S	S	
46	EXL. 46	Sunny	MCL3 EXIT EER Room. OP 118	S	S	S	S	S	
47	EXL. 47	Sunny	MCL3 EXIT EER Room. OP 119	S	S	S	S	S	
48	EXL. 48	Sunny	MCL3 MV EER Room.	S	S	S	S	S	
49	EXL. 49	Sunny	MCL3 PIT 6	S	S	S	S	S	
50	EXL. 50	Sunny	MCL3 PIT 6	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST EMERGENCY LIGHT & EMERGENCY EXIT LIGHT

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Standard Reference

For this project, our company will follow inspection and maintenance procedures of fire alarm system and fire fighting system by referring to these standards as detail below.

- NFPA 10 – Standard For Portable Fire Extinguishers
- NFPA 11 – Standard For Foam Extinguishers, Low Expansion
- NFPA 12 – Standard On Carbon Dioxide Extinguishers systems
- NFPA 13 – Standard For The Installation of Sprinkler systems
- NFPA 14 – Standard For Installation of Stand Pipe and Hose Systems
- NFPA 15 – Standard For Water Spray Fixed Systems For Fire Protection
- NFPA 20 – Standard For Installation of Centrifugal Fire Pumps
- NFPA 25 – Standard For The Inspection, Testing, and Maintenance of Water-Based Fire Protection System
- NFPA 30 – Flammable and Combustible Liquids Code
- NFPA 70 – National Electrical Code
- NFPA 72 – National Fire Alarm Code

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

NS BLUESCOPE (THAILAND) LIMITED

Preventive Maintenance for Fire Protection System

On June 2026

Takachiho Fire, Security & Services (Thailand) Limited
1858/110-111 25th Floor Interlink Tower Bangna , Debaratna Rd. Bangna Tai , Bangna , Bangkok 10260 Thailand
Tel. (66-2) 366 9000, Fax. (66-2) 366 9090 www.tkfs.co.th

NSBST Fire Alarm & Fire Suppression Summary Report : June 2026

Pervious month Outstanding update

June 2026 Result

Item	Inspection Description	Point / Device		Location	Problem	Recomment	Priority	Status
1	Fire alarm system							
	(Monthly)	M2-10 (Node3)	Strobe horn	Node 3	อุปกรณ์เสีย	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		M1-2 (Node4)	Smoke	Node 4	อุปกรณ์เสีย	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
2	Inergen system							
	(Monthly)	Inergen cylinder	Inergen = 61 ถัง	PKL, CRM, MCL 1, Server Room	อายุการใช้งานเกินมาตรฐาน 5 ปี ควรนำไป Hydro test และ Refill	Should refill	○ Low ● Medium ○ High	
		Inergen	pressure gauge = 3 ea	ห้องไฟฟ้า 115Kw	หน้าปัด pressure gauge เสื่อมสภาพ	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		Inergen no. 661202	Inergen = 1 ถัง	PKL EER RM.	Low pressure	should hydro test and refill	○ Low ● Medium ○ High	TK เสนอราคา
		Inergen	Battery = 2 ea	PKL Main EER.	อายุการใช้งานเกิน 2 ปี	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
3	FM-200 system							
	(Monthly)	Function system is working normally.						
4	CO2 system							
	(Monthly)	Function system is working normally.						
5	Nitrogen system							
	(Monthly)	N2 cylinder (NCP no. 1,2,6,5)	Smoke detector = 8 ea	Main EER server & computer room, Entry main EER room,Entry main EER RM.	Test ไม่ส่ง alarm (อุปกรณ์เสีย)	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		N2 cylinder no. 5, 18, 27, 28, 39, 49, 75, 78, 101	Pressure gauge = 9 ea	MCL-2 (NCP No. 2, No. 6)	Damaged *by pass*	Should replace pressure gauge	○ Low ● Medium ○ High	TK เสนอราคามาแล้ว
		N2 cylinder. 1, 2, 3, 10, 11, 15	Pressure gauge = 6 ea	MCL-2 (NCP No. 3)	Damaged *by pass*	Should replace pressure gauge	○ Low ● Medium ○ High	ระบบยังใช้งานได้
		N2 cylinder	Nitrogen = 141 ถัง	COATING PORT EER ROOM,PLC&COM Room, ENTRY EER,PREMALT ROOM,EER ROOM & ENTRY ROOM	อายุการใช้งานเกินมาตรฐาน 5 ปี ควรนำไป Hydro test และ Refill	Should refill	○ Low ● Medium ○ High	
6	Automatic sprinkler & Deluge valve system							
	(Monthly)	Deluge valve	Battery = 6 ea	CRM-MILL, CPL plant store lower , CPL plant store upper	อายุการใช้งานเกิน 2 ปี	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		Alarm valve no. 30	อุปกรณ์ชำรุด = 2 ea	AV-LISTED 467A 2.5	Pressure gauge ด้านบนและด้านล่าง อุปกรณ์ชำรุด	Should replace	○ Low ● Medium ○ High	TK เสนอราคา
		Deluge valve	หน้าจอ Display	CRM-MILL	อุปกรณ์เสื่อมสภาพ	Should replace	○ Low ● Medium ○ High	TK เสนอราคา

NSBST Fire Alarm & Fire Suppression Summary Report : June 2026

Pervious month Outstanding update

June 2026 Result

Item	Inspection Description	Point / Device		Location	Problem	Recomment	Priority	Status
7	Fire Hydrant and							
	(Monthly)	Fire hose reel No.26	ข้อต่อ 90° = 1 ea	CRM-AH/51	ข้อต่อ 90° สำหรับท่อ fire hose reel ขนาด 1" ถูกกัดกร่อนเป็นสนิม	Should replace	O Low ● Medium O High	TK เสนอราคา
		Fire hose reel No.23, 24, 25	ท่อ 1"	CRM-OP/2, PKL-OP/4, PKL-AH/4	ท่อสำหรับ fire hose reel ขนาด 1" ด้าน ball valve เกลียวถูกกัดกร่อนเป็นสนิม	Should replace	O Low ● Medium O High	
		Fire hydrant No.14	ฝา cap	canteen	ฝา cap แตกชำรุด 1 ea	Should replace	O Low ● Medium O High	
8	Fire pump system							
	(Monthly)	Engine pump no.2	Air vent	MCL-1	Air vent สำหรับ pump no. 2 เสื่อมสภาพ มีน้ำรั่วซึม	Should replace	O Low ● Medium O High	TK เสนอราคา

Reference report: TAKACHIHO's Inspection Monthly report for NS Bluescope Thailand : June 2026

Review By

Songpon Soontaros
PSV Senior Engineer

Date _____

Sign Off By

Plant Service & Engineering Project Manager

Date _____

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION, TEST AND PREVENTIVE MAINTENANCE

FOR

Fire Protection and fire Detection System

Customer : **NS Blue Scope Steel Thailand** **Report Date :** **3 July 2026**

Inspector By :	1. Subin	Karnna	Service Leader
	2. Pattanasit	Ratanapatarakorn	Technician Service
	3. Somkhid	Khamlai	Technician Service
	4. Anuchit	Phoomee	Technician Service
	5. Perakant	Kumwong	Technician Service

Takachiho Fire, Security & Services (Thailand) Ltd.

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE ALARM SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL ,W/S,W/H, BLDG SFIP-01 SIMPLEX 4100 ES [NODE 1]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.8 VAC
Charger control panel 27.16 VDC
Battery back up 27.12 VDC (start 26/6/25) 12V 18Ah

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL,W/S,W/H, BLDG SFIP-01 SIMPLEX 4100 ES [NODE 1]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Ware house	M1-32	MANUAL	S	S	
2	Ware house op/09	M1-34	MANUAL	S	S	
3	Worke shop tool room	M1-59	SMOKE	S	S	
4	Worke shop op/12	M1-29	MANUAL	S	S	
5	PKL op/16 Silen grid	M1-21	MANUAL	S	S	
6	PKL mac 03 op/17	M1-17	MANUAL	S	S	
7	Ware house op/08	M1-37	MANUAL	S	S	
8	PKL-mac-3	M1-39	MANUAL	S	S	
9	PKL-op/5	M1-43	MANUAL	S	S	
10	PKL-op/4	M1-47	MANUAL	S	S	
11	PKL acid tank sm-1	M1-54	MANUAL	S	S	
12	Work shop trainning room	M1-61	SMOKE	S	S	
13	Worke shop office room	M1-60	SMOKE	S	S	
14	Ware house room-a	M1-63	SMOKE	S	S	
15	Ware house room-b	M1-64	SMOKE	S	S	
16	PKL-mac-console o-s1	M1-24	MANUAL	S	S	
17	PKL-exit pulpit	M1-6	MANUAL	S	S	
18	PKL-op/3	M1-1	MANUAL	S	S	
19	PKL-eer room	M1-15	MANUAL	S	S	
20	PKL-eer room	M1-15	MANUAL	S	S	
21	PKL eer room (signal fm 200)	M1-11	IAM-signal alarm	S	S	
22	PKL eer room (signal inergen)	M1-12	IAM-signal alarm	S	S	
23	PKL-op/15	M1-26	MANUAL	S	S	
24	PKL Tunnel south(ใต้ดิน)	M1-57	SMOKE	S	S	
25	PKL Tunnel south(ใต้ดิน)	M1-57	SMOKE	S	S	
26	PKL Tunnel south(ใต้ดิน)	M1-57	SMOKE	N/A	N/A	ถอดหัว by pass ไว้ชั่วคราว
27	PKL Tunnel south(ใต้ดิน)	M1-58	MANUAL	S	S	
28	PKL Tunnel south(ใต้ดิน)	M1-58	MANUAL	S	S	
29	PKL Tunnel south(ใต้ดิน)	M1-58	MANUAL	S	S	
30	W/H Room B	M1-62	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL,W/S,W/H, BLDG SFIP-01 SIMPLEX 4100 ES [NODE 1]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	PKL Tunnul	M1-57	SMOKE	S	S	
32	PKL Tunnul	M1-57	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : COLD ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.9 VAC
Charger control panel 27.31 VDC
Battery back up 27.30 VDC (start 26/6/25) 12V 18Ah
Local Power Supply Support Building
AC POWER : 229.5 VAC
Charger control panel : 27.35 VDC
Battery Back Up : 27.31 VDC
Battery Start : 26/6/25

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRO ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Exit door OP 64	M1-1	MANUAL	S	S	
2	Grid Y-49	M1-12	SMOKE	S	S	
3	Grid Y-49	M1-12	SMOKE	S	S	
4	CRM pulpit	M1-14	MANUAL	S	S	
5	CRM hydr cella(ใต้ดิน)	M1-20	MANUAL	N/A	N/A	เข้าพื้นที่ไม่ได้
6	CRM hydr cella(ใต้ดิน)	M1-21	MANUAL	N/A	N/A	เข้าพื้นที่ไม่ได้
7	CRM	M1-17	MANUAL	S	S	
8	CRM rool shop op/66	M1-26	MANUAL	S	S	
9	CRM	M1-22	MANUAL	S	S	
10	CRM op/20	M2-33	MANUAL	S	S	
11	CRM op/21	M2-30	MANUAL	S	S	
12	CRM eer.room op/27	M2-11	MANUAL	S	S	
13	CRM eer.room	M2-14	MANUAL	S	S	
14	CRM eer.room	M2-25	MANUAL	S	S	
15	CRM eer.room	M2-22	MANUAL	S	S	
16	CRM eer.room	M2-28	MANUAL	S	S	
17	CRM op/29	M2-8	MANUAL	S	S	
18	Operation bldg	M1-5	SMOKE	S	S	
19	Operation bldg	M1-5	SMOKE	S	S	
20	Operation bldg	M1-5	SMOKE	S	S	
21	Operation bldg	M1-5	SMOKE	S	S	
22	Operation bldg	M1-5	SMOKE	S	S	
23	Operation bldg	M1-5	SMOKE	S	S	
24	Operation bldg	M1-5	SMOKE	S	S	
25	Operation bldg	M1-5	SMOKE	S	S	
26	Operation bldg	M1-5	SMOKE	S	S	
27	Operation bldg	M1-5	SMOKE	S	S	
28	Operation bldg	M1-6	SMOKE	S	S	
29	Operation bldg	M1-6	SMOKE	S	S	
30	Operation bldg	M1-6	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRO ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Operation bldg	M1-6	SMOKE	S	S	
32	Operation bldg	M1-6	SMOKE	S	S	
33	Operation bldg	M1-6	SMOKE	S	S	
34	Operation bldg	M1-6	SMOKE	S	S	
35	Operation bldg	M1-6	SMOKE	S	S	
36	Operation bldg	M1-5	SMOKE	S	S	
37	Operation bldg	M1-5	SMOKE	S	S	
38	Operation bldg	M1-5	SMOKE	S	S	
39	Operation bldg	M1-5	SMOKE	S	S	
40	Operation bldg	M1-7	MANUAL	S	S	
41	Operation bldg	M1-9	MANUAL	S	S	
42	EER room CRM	M2-23	MANUAL	S	S	
43	EER room CRM	M2-24	MANUAL	S	S	
44	CRM EER (Signal Inergen1)	M2-17	IAM-signal alarm	S	S	
45	CRM EER (Signal Inergen2)	M2-18	IAM-signal alarm	S	S	
46	Operation bldg	M1-6	HEAT	S	S	
47	EER Room Ground	M2-12	SMOKE	S	S	
48	CRM EER Room	M2-29	SMOKE	S	S	
49	CRM EER Room	M2-29	SMOKE	S	S	
50	CRM EER Room	M2-29	SMOKE	S	S	
51	CRM EER Room	M2-29	SMOKE	S	S	
52	CRM EER Room	M2-29	SMOKE	S	S	
53	CRM EER Room Ground	M2-12	SMOKE	S	S	
54	CRM EER Room Ground	M2-12	SMOKE	S	S	
55	CRM EER Room Ground	M2-12	SMOKE	S	S	
56	CRM EER Room Ground	M2-12	SMOKE	S	S	
57	CRM EER Room Ground	M2-12	SMOKE	S	S	
58	CRM EER Room Ground	M2-12	SMOKE	S	S	
59	CRM EER Room Ground	M2-12	SMOKE	S	S	
60	CRM EER Room Ground	M2-12	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRO ROLL MILL,OPERATION BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
61	CRM EER Room Ground	M2-12	SMOKE	S	S	
62	CRM EER Room Ground	M2-12	SMOKE	S	S	
63	Roll Shop EER RM.	M1-31	SMOKE	S	S	
64	Roll Shop EER RM.	M1-32	SMOKE	S	S	
65	Canteen	M1-33	HEAT	S	S	
66	Canteen	M1-33	HEAT	S	S	
67	Canteen	M1-33	HEAT	S	S	
68	Canteen	M1-33	HEAT	S	S	
69	Canteen	M1-33	HEAT	S	S	
70	Canteen	M1-33	HEAT	S	S	
71	Canteen	M1-33	HEAT	S	S	
72	Canteen	M1-33	HEAT	S	S	
73	Canteen	M1-33	HEAT	S	S	
74	Canteen	M1-33	MANUAL	S	S	
75	Canteen	M1-33	MANUAL	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	ZAL op/60	M3-60	MANUAL	S	S	
2	MCC.op/exit	M3-39	MANUAL	S	S	
3	MCC.op/51	M3-38	MANUAL	S	S	
4	ZAL op/35	M3-52	MANUAL	S	S	
5	MCl. op/60	M3-19	MANUAL	S	S	
6	ZAL op/57	M3-22	MANUAL	S	S	
7	Maintenance office	M3-73	SMOKE	S	S	
8	Maintenance office	M3-74	SMOKE	S	S	
9	MCL1 op/56	M3-26	MANUAL	S	S	
10	MCL1 op/52	M3-35	MANUAL	S	S	
11	MCL1 op/49	M3-48	MANUAL	S	S	
12	MCL1 pulpit room	M3-30	SMOKE	S	S	
13	MCL1 pulpit room	M3-31	MANUAL	S	S	
14	MCL1 op/54	M3-27	MANUAL	S	S	
15	MCL1 op/32	M3-58	MANUAL	S	S	
16	Document store	M3-76	SMOKE	S	S	
17	Document store	M3-76	SMOKE	S	S	
18	Document store	M3-76	SMOKE	S	S	
19	Document store	M3-76	SMOKE	S	S	
20	Document store	M3-76	SMOKE	S	S	
21	Document store	M3-76	SMOKE	S	S	
22	Document store	M3-77	MANUAL	S	S	
23	Document store	M3-78	MANUAL	S	S	
24	ZAL op/34	M3-55	MANUAL	S	S	
25	Canteen (เก่า)	M3-96	MANUAL	S	S	
26	Canteen (เก่า)	M3-96	MANUAL	S	S	
27	Canteen (เก่า)	M3-97	HEAT	S	S	
28	Canteen (เก่า)	M3-97	HEAT	S	S	
29	Canteen (เก่า)	M3-97	HEAT	S	S	
30	Canteen (เก่า)	M3-97	HEAT	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * M2-12 เข้าพื้นที่ test ไม่ได้ จำนวน 4 Ea (พื้นที่หม้อแปลงไฟฟ้า)

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM BLDG SFIP-02 SIMPLEX 4100 ES [NODE 2]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Canteen (เก่า)	M3-97	HEAT	S	S	
32	Canteen (เก่า)	M3-97	HEAT	S	S	
33	Canteen (เก่า)	M3-97	HEAT	S	S	
34	Canteen (เก่า)	M3-97	HEAT	S	S	
35	Sub 115 kv	M3-68	IAM-signal alarm	S	S	
36	eer-mcl-1 inergen signal	M3-43	IAM-signal alarm	S	S	
37	eer-mcl-1 inergen signal	M3-44	IAM-signal alarm	S	S	
38	Support bldg inergen signal	M3-72	IAM-signal alarm	S	S	
39	Operation bldg.	M3-85	SMOKE	S	S	
40	Operation bldg.	M3-86	SMOKE	S	S	
41	Operation bldg.	M3-87	SMOKE	S	S	
42	Operation bldg.	M3-88	HEAT	S	S	
43	Operation bldg.	M3-89	HEAT	S	S	
44	Operation bldg.	M3-90	SMOKE	S	S	
45	Operation bldg.	M3-91	HEAT	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : SUPPORT,SAFETY BLDG (Node 2)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	ห้องน้ำหญิง	M3-70 (ZONE 2)	MANUAL	S	S	
2	หน้อง Server	M3-69 (ZONE 1)	SMOKE	S	S	
3	ห้องประชุม	M3-69 (ZONE 1)	SMOKE	S	S	
4	ห้องประชุม	M3-69 (ZONE 1)	SMOKE	S	S	
5	ห้องนั่งเล่น	M3-70 (ZONE 2)	MANUAL	S	S	
6	Phoni Booth 1	M3-69 (ZONE 1)	SMOKE	S	S	
7	Phoni Booth 2	M3-69 (ZONE 1)	SMOKE	S	S	
8	Resilince zone	M3-69 (ZONE 1)	SMOKE	S	S	
9	Resilince zone	M3-69 (ZONE 1)	SMOKE	S	S	
10	ห้องพยาบาล	M3-70 (ZONE 2)	MANUAL	S	S	
11	Support bldg first aid	M3-70 (ZONE 2)	SMOKE	S	S	
12	ห้องน้ำหญิง	M3-71 (ZONE 3)	MANUAL	S	S	
13	ห้องเก็บของ	M3-71 (ZONE 3)	MANUAL	S	S	
14	ห้องเก็บ PPE	M3-71 (ZONE 3)	MANUAL	S	S	
15	Safety bldg. locker room	M3-71 (ZONE 3)	SMOKE	S	S	
16	ห้องน้ำชาย	M3-71 (ZONE 3)	SMOKE	S	S	
17	ห้องน้ำชาย	M3-71 (ZONE 3)	MANUAL	S	S	
18	ห้องน้ำชาย	M3-71 (ZONE 3)	MANUAL	S	S	
19	Training room	M3-71 (ZONE 3)	SMOKE	S	S	
20	Training room	M3-71 (ZONE 3)	SMOKE	S	S	
21	Training room	M3-71 (ZONE 3)	SMOKE	S	S	
22	ห้องดนตรี	M3-71 (ZONE 3)	SMOKE	S	S	
23	Safety bldg.	M3-71 (ZONE 3)	MANUAL	S	S	
24	Enduro	M3-69 (ZONE 1)	SMOKE	S	S	
25	Office room	M3-69 (ZONE 1)	SMOKE	S	S	
26	Office room	M3-69 (ZONE 1)	SMOKE	S	S	
27	Room 1	M3-69 (ZONE 1)	SMOKE	S	S	
28	Room 2	M3-69 (ZONE 1)	SMOKE	S	S	
29	Room 3	M3-69 (ZONE 1)	SMOKE	S	S	
30	Room 4	M3-70 (ZONE 2)	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : SUPPORT,SAFETY BLDG (Node 2)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Facility department	M3-71 (ZONE 3)	MANUAL	S	S	
32	Support bldg.	M3-71 (ZONE 3)	MANUAL	S	S	
33	Toilet ชาย	M3-70 (ZONE 2)	SMOKE	S	S	
34	Toilet หญิง	M3-70 (ZONE 2)	SMOKE	S	S	
35	Support bldg.	M3-80	Alarm Bell	S	S	
36	Trainning room	M3-81	Alarm Bell	S	S	
37	Room 5	M3-69	SMOKE	S	S	
38	Office area	M3-69	SMOKE	S	S	
39	Office area	M3-69	SMOKE	S	S	
40	Office area	M3-69	SMOKE	S	S	
41	Office area	M3-69	SMOKE	S	S	
42	Pantry	M3-69	SMOKE	S	S	
43	ห้องนั่งเล่น	M3-69	SMOKE	S	S	
44	Room 4	M3-69	SMOKE	S	S	
45	Facility department	M3-71	MANUAL	S	S	
46	Facility department	M3-71	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.3 VAC
Charger control panel 27.31 VDC
Battery back up 27.29 VDC
* Battery start 26/6/25 12V 18Ah

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	CPL op/46	M1-38	MANUAL	S	S	
2	CPL-lab room 1	M1-46	SMOKE	S	S	
3	CPL-lab room 2	M1-45	SMOKE	S	S	
4	CPL - paint line mac-4	M1-27	MANUAL	S	S	
5	CPL - paint line mac-2	M1-14	MANUAL	S	S	
6	CPL new lab op/37	M1-42	MANUAL	S	S	
7	CPL packing mac-1	M1-8	MANUAL	S	S	
8	CPL packing mac-2	M1-5	MANUAL	S	S	
9	CPL-recon area	M1-11	MANUAL	S	S	
10	MCL-inspactor room	M1-47	SMOKE	S	S	
11	Service tunnel north mac	M2-3	MANUAL	S	S	
12	Service tunnel north smoke	M2-2	SMOKE	S	S	
13	Service tunnel north smoke	M2-1	SMOKE	S	S	
14	Air compreeser- mac	M2-8	MANUAL	S	S	
15	Air compreeser- mac	M2-8	MANUAL	S	S	
16	Air compreeser- smoke	M2-7	SMOKE	S	S	
17	Water treat ment smoke	M2-14	SMOKE	S	S	
18	Water treat ment smoke	M2-14	SMOKE	S	S	
19	Water treat ment mac	M2-13	MANUAL	S	S	
20	Water treat ment mac	M2-13	MANUAL	S	S	
21	Solid waste	M2-11	MANUAL	S	S	
22	Service tunnel north mac	M2-3	MANUAL	S	S	
23	Service tunnel north mac	M2-3	MANUAL	S	S	
24	Service tunnel north mac	M2-3	MANUAL	S	S	
25	Service tunnel north smoke	M2-2	SMOKE	S	S	
26	Service tunnel north smoke	M2-2	SMOKE	S	S	
27	Service tunnel north smoke	M2-2	SMOKE	S	S	
28	MCL_2 exit room	M1-86	SMOKE	S	S	
29	MCL_2 exit room	M1-87	SMOKE	S	S	
30	MCL_2 exit room	M1-88	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Strobe horn M2-10 อุปกรณ์เสีย 1 ea (node3)

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1, CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	MCL_2 coating pot room	M2-43	MANUAL	S	S	
32	MCL_2 coating pot room	M2-44	SMOKE	S	S	
33	MCL_2 coating pot room	M2-45	SMOKE	S	S	
34	MCL-2 fire suppression	M2-35	S/S V.	N/A	N/A	Main Valve off
35	MCL-2 fire suppression	M2-39	S/S V.	N/A	N/A	Main Valve off
36	MCL-2 entry meting room	M2-46	MANUAL	S	S	
37	MCL-2 entry meting room	M2-48	SMOKE	S	S	
38	MCL-2 entry meting room	M2-49	SMOKE	S	S	
39	MCL-2 entry room	M2-93	SMOKE	S	S	
40	MCL-2 entry room	M2-94	SMOKE	S	S	
41	MCL-2 entry room	M2-91	MANUAL	S	S	
42	MCL-2 fire suppression	M2-55	S/S V.	N/A	N/A	Main Valve off
43	MCL-2 fire suppression	M2-59	S/S V.	N/A	N/A	Main Valve off
44	MCL-2 fire suppression	M2-63	S/S V.	N/A	N/A	Main Valve off
45	MCL-2 fire suppression	M2-77	S/S V.	N/A	N/A	Main Valve off
46	MCL-2 fire suppression	M2-71	S/S V.	N/A	N/A	Main Valve off
47	MCL-2 fire suppression	M2-63	S/S V.	N/A	N/A	Main Valve off
48	MCL-2 fire suppression	M2-83	S/S V.	N/A	N/A	Main Valve off
49	MCL-2 fire suppression	M1-81	S/S V.	N/A	N/A	Main Valve off
50	HC. Yard Office Rm.	M1-6	SMOKE	S	S	
51	MCL-2 fire suppression	M1-75	S/S V.	N/A	N/A	Main Valve off
52	MCL-2 fire suppression	M1-90	S/S V.	N/A	N/A	Main Valve off
53	MCL-2 fire suppression	M1-61	S/S V.	N/A	N/A	Main Valve off
54	MCL-2 fire suppression	M1-55	S/S V.	N/A	N/A	Main Valve off
55	MCL-2 fire suppression	M1-49	S/S V.	N/A	N/A	Main Valve off
56	MCL-2 disch office	M1-68	MANUAL	S	S	
57	MCL-2 disch office	M1-70	SMOKE	S	S	
58	MCL-2 disch office	M1-71	SMOKE	S	S	
59	MCL-2 disch office	M1-68	MANUAL	S	S	
60	CPL เสา c2/25	M1-33	MANUAL	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1, CPL,MCL-2 BLDG SFIP-03 SIMPLEX 4100 ES [NODE 3]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
61	New lab room	M1-43	SMOKE	S	S	
62	New lab room	M1-43	SMOKE	S	S	
63	New lab room	M1-43	SMOKE	S	S	
64	Exit mcl 2 pulpit	M1-84	MANUAL	S	S	
65	MCL 2 Suppervisory	M1-22	S/SV	S	S	
66	CPL Paint line	M1-30	MANUAL	S	S	
67	CPL Recon Area	M1-1	MANUAL	S	S	
68	CPL Paint Store	M1-24	MANUAL	S	S	
69	SERVICE TUNNEL	M2-1	SMOKE	S	S	
70	SERVICE TUNNEL	M2-1	SMOKE	S	S	
71	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
72	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
73	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
74	SOLID WASTE	M2-12	HEAT แท่ง	S	S	
75	EQUIPMENT STORGE W/H	M1-93	MANUAL	S	S	
76	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
77	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
78	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
79	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
80	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
81	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
82	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
83	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
84	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
85	EQUIPMENT STORGE W/H	M1-93	SMOKE	S	S	
86	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	
87	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	
88	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	
89	CPL PAINT STORE	M1-25	HEAT แท่ง	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 BLDG Node 3 Loop M3

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Mcl-2 coil and storange wast zone 6	M3-34	MANUAL	S	S	
2	Mcl-2 coil and storange wast zone 6	M3-35	MANUAL	S	S	
3	Mcl-2 coil and storange wast zone 6	M3-36	MANUAL	S	S	
4	Mcl-2 coil and storange wast zone 6	M3-37	MANUAL	S	S	
5	Mcl-2 coil and storange central zone 5	M3-33	MANUAL	S	S	
6	Mcl-2 coil and storange central zone 5	M3-29	MANUAL	S	S	
7	Mcl-2 coil and storange east zone 4	M3-23	MANUAL	S	S	
8	Mcl-2 coil and storange east zone 4	M3-24	MANUAL	S	S	
9	Mcl-2 coil and storange east zone 4	M3-25	MANUAL	S	S	
10	MCL-2 entry eer room Zone 2	M3-9	MANUAL	S	S	
11	Mcl-2 coil and storange east zone 4	M3-27	MANUAL	S	S	
12	Mcl-2 coil and storange east zone 4	M3-28	MANUAL	S	S	
13	Mcl-2 Ingot storange Zone 3	M3-16	MANUAL	S	S	
14	Mcl-2 Ingot storange Zone 3	M3-17	MANUAL	S	S	
15	Mcl-2 Ingot storange Zone 3	M3-18	MANUAL	S	S	
16	Mcl-2 coil and storange central zone 5	M3-30	MANUAL	S	S	
17	MCL-2 main eer room Zone1	M3-1	MANUAL	S	S	
18	Mcl-2 coil and storange east zone 4	M3-26	MANUAL	S	S	
19	MCL-2 main eer room Zone1	M3-2	MANUAL	S	S	
20	Mcl-2 coil and storange central zone 5	M3-31	MANUAL	S	S	
21	Mcl-2 coil and storange central zone 5	M3-32	MANUAL	S	S	
22	Mcl-2 New Chemical Storage Zone 8	M3-48	MANUAL	S	S	
23	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
24	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
25	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
26	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
27	Mcl-2 New Chemical Storage Zone 8	M3-48	HEAT	S	S	
28	Mcl-2 coating Pot EER RM Zone 7	M3-38	MANUAL	S	S	Under ground EER
29	Mcl-2 NCP1 PLC & Com Rm.	M3-3	IAM	S	S	commons trouble
30	Mcl-2 NCP1 PLC & Com Rm.	M3-4	IAM	S	S	commons alarm

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 BLDG Node 3 Loop M3

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	Mcl-2 NCP2 Main Exit EER Rm.	M3-5	IAM SUPERVISORY	S	S	commons trouble
32	Mcl-2 NCP2 Main Exit EER Rm.	M3-6	IAM SUPERVISORY	S	S	commons alarm
33	Mcl-2 NCP3 Coating Pot EER Rm.	M3-39	IAM SUPERVISORY	S	S	commons trouble
34	Mcl-2 NCP3 Coating Pot EER Rm.	M3-40	IAM SUPERVISORY	S	S	commons alarm
35	Mcl-2 NCP4 Premalt EER Rm.	M3-19	IAM SUPERVISORY	S	S	commons trouble
36	Mcl-2 NCP4 Premalt EER Rm.	M3-20	IAM SUPERVISORY	S	S	commons alarm
37	Mcl-2 NCP5 PLC & Comp Rm.	M3-10	IAM SUPERVISORY	S	S	commons trouble
38	Mcl-2 NCP5 PLC & Comp Rm.	M3-11	IAM SUPERVISORY	S	S	commons alarm
39	Mcl-2 NCP2 NO. 6 ENTRY EER Rm.	M3-12	IAM SUPERVISORY	S	S	commons trouble
40	Mcl-2 NCP2 NO. 6 ENTRY EER Rm.	M3-13	IAM SUPERVISORY	S	S	commons alarm

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : ADMIN STATION BLDG SFIP-04 SIMPLEX 4100 ES [NODE 4]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Function Test	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 229.1 VAC
Charger control panel 27.11 V.dc
Battery back up 27.09 V.dc start using 26/6/25

* Ranbuil store M1-2 smoke Test ไม่ส่ง alarm

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : ADMIN STATION BLDG SFIP-04 SIMPLEX 4100 ES [NODE 4]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Admin bldg.	M1-1	SDA	S	S	
2	Ranbuil store	M1-2	SMOKE	US	US	Test ไม่ส่ง alarm
3	Ranbuil store	M1-2	SMOKE	S	S	
4	Ranbuil store	M1-2	SMOKE	S	S	
5	Admin bldg.canteen	M1-3	SMOKE	S	S	
6	Admin bldg.ห้องประชุม	M1-3	SMOKE	S	S	
7	Admin bldg.office	M1-3	SMOKE	S	S	
8	Admin bldg.office	M1-3	SMOKE	S	S	
9	Admin bldg.office	M1-3	SMOKE	S	S	
10	Admin bldg.office	M1-3	SMOKE	S	S	
11	Admin bldg.office	M1-3	SMOKE	S	S	
12	Admin bldg.office	M1-3	SMOKE	S	S	
13	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
14	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
15	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
16	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
17	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
18	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
19	Admin bldg.ใต้หลังคา	M1-4	SMOKE	S	S	
20	Admin bldg.ห้องน้ำชาย	M1-4	HEAT	S	S	
21	Admin bldg.ห้องน้ำหญิง	M1-4	HEAT	S	S	
22	Admin bldg.ประตูทางเข้า	M1-5	MANUAL	S	S	
23	Admin bldg.ประตูexit	M1-6	MANUAL	S	S	
24	Admin bldg.ประตูexit	M1-7	MANUAL	S	S	
25	FCP Training School Bld.	M1-8	IAM Signal Alarm	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Training School Building Notifier (SFP-2402)

Description	Normal Status	Result	Remark
1. Fire Alarm Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Annunciator Panel			
2.1 Check condition of fuse control	N/A	N/A	
2.2 Check condition of Lamp & LEDs	N/A	N/A	
2.3 Check power supply for FCP	N/A	N/A	
2.4 Check cable connection / terminal	N/A	N/A	
2.5 Check Alarm Condition / Function Test	N/A	N/A	
2.6 Visual check condition of battery and housing of battery	N/A	N/A	
2.7 Cleaning of Annunciator Panel	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.6 VAC
Charger control panel 27.37 Vdc.
Battery back up 27.35 Vdc. (Start 26/6/25) 12V 7.5 Ah.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

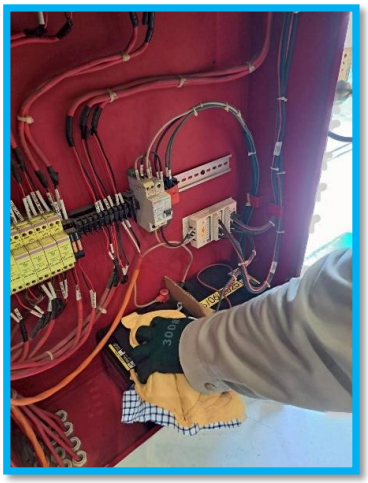
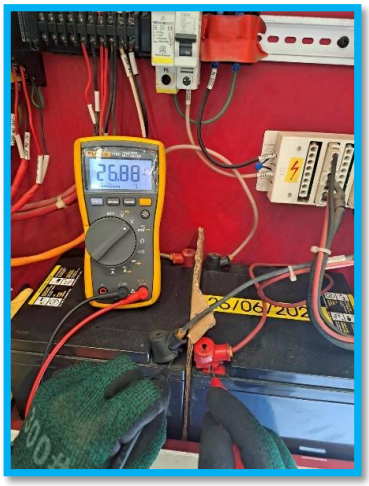
Location of fire alarm control panel : Training School Building Notifier (SFP-2402)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Smoke No.1 Training	Zone 1	Smoke	S	S	
2	Smoke No.2 Training	Zone 1	Smoke	S	S	
3	Smoke No.3 Training	Zone 1	Smoke	S	S	
4	Smoke No.4 Training	Zone 1	Smoke	S	S	
5	Manual Training	Zone 1	Manual	S	S	
6	Smoke No.1 Training	Zone 2	Smoke	S	S	
7	Smoke No.2 Training	Zone 2	Smoke	S	S	
8	Smoke No.3 Training	Zone 2	Smoke	S	S	
9	Smoke No.4 Training	Zone 2	Smoke	S	S	
10	Smoke No.5 Training	Zone 2	Smoke	S	S	
11	Smoke No.6 Training	Zone 2	Smoke	S	S	
12	Smoke No.7 Training	Zone 2	Smoke	S	S	
13	Smoke No.8 Training	Zone 2	Smoke	S	S	
14	Smoke No.9 Training	Zone 2	Smoke	S	S	
15	Manual No.1 Training	Zone 2	Manual	S	S	
16	Manual No.2 Training	Zone 2	Manual	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE ALARM SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INERGEN SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- MAIN EER. ROOM POTTER PFC- 4410RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.1 VAC
Charger control panel 27.36 Vdc.
Battery back up 27.33 Vdc. (start using 5/3/24)
* Battery อายุการใช้งานเกิน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- MAIN EER. ROOM POTTER PFC- 4410RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	
3	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	
4	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	
5	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	
6	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	
7	PKL-maln eer.room	ZONE. 3	MANAUL1	S	S	to discharge 30 sec
8	PKL-maln eer.room	ZONE. 3	MANAUL2	S	S	to discharge 30 sec
9	PKL-maln eer.room		STOBE light	S	S	active pre discharge
10	PKL-maln eer.room		Solenoid Valve	S	S	to discharge
11	PKL-maln eer.room		ABORT.SW 1	S	S	นับต่อเนื่อง remain 10 sec
12	PKL-maln eer.room		ABORT.SW 2	S	S	
13	PKL-maln eer.room	ZONE. 1	SMOKE.1	S	S	
14	PKL-maln eer.room	ZONE. 2	SMOKE.2	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test o.k
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* Alarm 1 stobe horn ทำงาน, Alarm 2 stobe light ทำงาน
* Manual release stobe horn active

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM- MAIN EER. ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.2 VAC
Charger control panel 27.15 VDC
Battery back up 27.11 VDC (start using 20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM- MAIN EER. ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CRM main eer.room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
3	CRM main eer.room	ZONE.1	SMOKE.1	S	S	
4	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
5	CRM main eer.room	ZONE.1	SMOKE.1	S	S	
6	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
7	CRM main eer.room	ZONE.1	SMOKE.1	S	S	
8	CRM main eer.room	ZONE.2	SMOKE.2	S	S	
9	CRM main eer.room		MANUAL	S	S	to discharge 30 sec
10	CRM main eer.room		ABORT.SW	S	S	remain 10 sec.
11	CRM main eer.room		STOBE light	S	S	active pre discharge
12			Solenoid	S	S	to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test normal
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* เปลี่ยน smok zone 2 จำนวน 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM SAVER COMPUTOR ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.8 VAC
Charger control panel 27.61 VDC
Battery back up 27.59 VDC (start using 20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM SAVER COMPUTOR ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
3	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	
4	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
5	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	
6	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
7	CRM- main eer.server room	ZONE.1	SMOKE.1	S	S	
8	CRM- main eer.server room	ZONE.2	SMOKE.2	S	S	
9	CRM- main eer.server room		MANUAL	S	S	to discharge 30 sec
10	CRM- main eer.server room		ABORT.SW	S	S	remain 10 sec.
11			MANUAL	S	S	to discharge 30 sec
12			STOBE light	S	S	active pre discharge
13			Solenoid Valve	S	S	to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test normal
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1- MAIN EER. ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.9 VAC
Charger control panel 27.43 V.dc
Battery back up 27.40 V.dc Start using (20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1- MAIN EER. ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
3	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
4	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
5	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
6	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
7	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
8	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
9	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
10	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
11	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
12	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	
13	MCL-main eer.room		MANUAL 1	S	S	to discharge 30 sec
14	MCL-main eer.room		MANUAL 1	S	S	to discharge 30 sec
15	MCL-main eer.room		Strobe Light	S	S	active pre discharge
16	MCL-main eer.room		Solenoid Valve	S	S	to discharge
17	MCL-main eer.room		ABORT.SW	S	S	remain 10 sec.
18	MCL-main eer.room	ZONE.1	SMOKE.1	S	S	
19	MCL-main eer.room	ZONE.2	SMOKE.2	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : clean and test detector function test normal
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1-PROGRAM SARVER. ROOM POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.6 VAC
Charger control panel 27.30 V.dc
Battery back up 27.27 VDC (start using 20/11/24)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL1-PROGRAM SAVER. ROOM POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-program server .room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	MCL-program server .room	ZONE.2	SMOKE.2	S	S	
3	MCL-program server .room	ZONE.1	SMOKE.1	S	S	
4	MCL-program server .room	ZONE.2	SMOKE.2	S	S	
5	MCL-program server .room		MANUAL	S	S	to discharge 30 sec
6	MCL-program server .room		STROBE light	S	S	active discharge
7	MCL-program server .room		Solenoid Valve	S	S	to discharge
8	MCL-program server .room		ABORT.SW	S	S	remain 10 sec.

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Somke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MAIN SUB-115 KV POTTER PFC- 2000RC

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.1 VAC
Charger control panel 27.72 V.dc
Battery back up 27.70 Vdc (start using 27/01/25)

* หน้าปัด pressure gauge สำหรับถัง Inergen ที่ห้องไฟฟ้า 115 KW เสื่อมสภาพ จำนวน 3 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MAIN SUB 115 KV POTTER PFC- 2000RC

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	115 KV .room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	115 KV .room	ZONE.2	SMOKE.2	S	S	
3	115 KV .room	ZONE.3	MANUAL	S	S	to discharge 30 sec
4	115 KV .room		Strobe Light	S	S	active pre discharge
5	115 KV .room		Solenoid Valve	S	S	to discharge
6	115 KV .room	ZONE.4	ABORT.SW	S	S	remain 10 sec

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Smoke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Support Bldg. (server room) Auto

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
IUEWQ Check condi|yv cxsde	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.1 VAC
Charger control panel 26.91 Vdc.
Battery back up 26.90 Vdc. (Start using 27/01/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : Support Bldg. (server room) Auto

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	Server Room	ZONE.1	Smoke Detector	S	S	cross zone detector discharge 30sec
2	Server Room	ZONE.2	Smoke Detector	S	S	
3	Server Room	ZONE.1	Smoke Detector	S	S	
4	Server Room	ZONE.2	Smoke Detector	S	S	
5	Server Room	ZONE.3	Manual Release	S	S	to discharge 30 sec
6	Server Room	ZONE.4	Abort Switch	S	S	remain 10 sec
7	Server Room	ZONE.5	Pressure Switch	S	S	active alarm bell
8	Server Room	NAC 2	Stobe / horn	S	S	active first alarm
9	Server Room	NAC 3	Alarm Bell	S	S	active pre discharge
10	Server Room	NAC 1	Solenoid Valve	S	S	to discharge
11	Server Room	NAC 1	Key Switch	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : * Smoke detector cross zone delay times 30 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* Alarm 1 : Stobe ดังเป็น pulse
* Alarm 1 : Stobe ดังเป็น pulse / bell ดังยาว
* Discharge : Stobe ดังยาว / bell ดังยาว

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN PKL, CRM

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	CRM EER Room	661066	S	150 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
2	CRM EER Room	661141	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
3	CRM EER Room	661362	S	175 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
4	CRM EER Room	661130	S	150 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
5	CRM EER Room	661240	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
6	CRM EER Room	661300	S	160 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
7	CRM EER Room	661330	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
8	CRM EER Room	661270	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
9	CRM EER Room	661157	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
10	CRM EER Room	661073	S	150 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
11	CRM EER Room (Master)	661136	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
12	PKL EER Room	661100	S	155 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
13	PKL EER Room (Master)	661123	S	175 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
14	PKL EER Room	661218	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
15	PKL EER Room	661164	S	150 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
16	PKL EER Room	661218	S	171 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
17	PKL EER Room	661131	S	175 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
18	PKL EER Room	661111	S	165 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
19	PKL EER Room	661091	S	169 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
20	PKL EER Room	661160	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
21	PKL EER Room	661294	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
22	PKL EER Room	661202	US	132 bar	Mar-97	Jul-18	Low pressure
23	EER Room (Computer CRM RM)	661096	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
24	EER Room (Computer CRM RM)	661404	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
25	EER Room (Computer CRM RM)	661067	S	170 bar	Mar-97	Dec-13	ควรนำไป Hydro test และ Refill
26	EER Room (Computer CRM RM)	661342	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
27	CRM EER Room (Computer CRM RM) (Master)	661298	S	160 bar	Mar-97	Nov-20	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: ควรนำไป Hydro test และ Refill ใหม่ จำนวน 22 ถัง
No. 661157, 661218, 661294 ห้อง CRM EER Room, PKL EER Room จำนวน 3 ถัง (ยังไม่มี pressure gauge)
No. 661342 ห้อง EER Room (Computer CRM RM) จำนวน 1 ถัง (ยังไม่มี pressure gauge)
No. 661202 ห้อง PKL EER Room Low pressure จำนวน 1 ถัง

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN MCL 1

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL1 EER ROOM (Master)	661304	S	160 bar	Mar-97	Jul-18	ควรนำไป Hydro test และ Refill
2	MCL1 EER ROOM	661143	S	155 bar	Mar-97	Nov-20	
3	MCL1 EER ROOM	661275	S	155 bar	Mar-97	Nov-20	
4	MCL1 EER ROOM	661252	S	150 bar	Mar-97	Nov-20	
5	MCL1 EER ROOM	661044	S	150 bar	Mar-97	Dec-20	
6	MCL1 EER ROOM	661114	S	150 bar	Mar-97	Dec-20	
7	MCL1 EER ROOM	661056	S	130 bar	Mar-97	Dec-20	
8	MCL1 EER ROOM	661305	S	150 bar	Mar-97	Dec-20	
9	MCL1 EER ROOM	661205	S	150 bar	Mar-97	Dec-20	
10	MCL1 EER ROOM	661118	S	150 bar	Mar-97	Mar-21	
11	MCL1 EER ROOM	661829	S	150 bar	Mar-97	Mar-21	
12	MCL1 EER ROOM	661272	S	150 bar	Mar-97	Dec-20	
13	MCL1 EER ROOM	661185	S	155 bar	Mar-97	Mar-21	
14	MCL1 EER ROOM	661080	S	150 bar	Mar-97	Mar-21	
15	MCL1 EER ROOM	661074	S	150 bar	Mar-97	Mar-21	
16	MCL1 EER ROOM	661273	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
17	MCL1 EER ROOM	661367	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
18	MCL1 EER ROOM	661172	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
19	MCL1 EER ROOM	661166	S	160 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
20	MCL1 EER ROOM	661150	S	153 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
21	MCL1 EER ROOM	661337	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
22	MCL1 EER ROOM	661299	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
23	MCL1 EER ROOM	661147	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
24	MCL1 EER ROOM	661225	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
25	MCL1 EER ROOM	661226	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
26	MCL1 EER ROOM	661315	S	150 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
27	MCL1 EER ROOM	661207	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
28	MCL1 EER ROOM	661265	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
29	MCL1 EER ROOM	661377	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill
30	MCL1 EER ROOM	661291	S	155 bar	Mar-97	Nov-17	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 16 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN MCL 1

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL1 EER ROOM (Master)	661392	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
32	MCL1 EER RM(Computer MCL1)	661183	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
33	MCL1 EER RM(EER MCL1)	661414	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
34	MCL1 EER RM(EER MCL1)	661319	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
35	MCL1 EER RM(EER MCL1)	661211	S	-	Mar-97	Mar-18	ไม่มี pressure gauge และควรนำไป Hydro test , Refill
36	MCL1 EER RM(EER MCL1)	661260	S	-	Mar-97	Mar-18	ไม่มี pressure gauge และควรนำไป Hydro test , Refill
37	MCL1 EER RM(EER MCL1)	661372	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
38	MCL1 EER RM(EER MCL1)	661195	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
39	MCL1 EER RM(EER MCL1)	661075	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
40	MCL1 EER RM(EER MCL1)	661262	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
41	MCL1 EER RM(EER MCL1)	661087	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
42	MCL1 EER RM(EER MCL1)	661303	S	-	Mar-97	Oct-25	ไม่มี pressure gauge
43	MCL1 EER RM(EER MCL1)	661501	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
44	MCL1 EER RM(EER MCL1)	695264	S	155 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
45	MCL1 EER RM(EER MCL1) (Master)	661261	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
46	MCL1 EER RM(EER MCL1)	661116	S	152 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
47	MCL1 EER RM(EER MCL1)	661125	S	160 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill
48	MCL1 EER RM(EER MCL1)	661293	S	165 bar	Mar-97	Mar-18	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **Item 34-48 เข้าในระบบแล้ว**
ควรนำไป Hydro test และ Refill ใหม่ จำนวน 16 ถัง
No. 661211, 661260, 661372, 661303 ไม่มี pressure gauge จำนวน 4 ถัง

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN SUB 115KV

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	SUB 115KV (Master)	661032	S	160 bar	Mar-97	Nov-20	
2	SUB 115KV	695331	S	160 bar	Mar-97	Nov-20	
3	SUB 115KV	661174	S	140 bar	Mar-97	Nov-20	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **Pressure gauge วัดแรงดันถัง Inergen system ด้านหน้า gauge เสื่อมสภาพ มองไม่ชัดเจน จำนวน 3 ea**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN Server | Support Building

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	Server Room	14T049158	S	2175 psi		May-14	ควรนำไป Hydro test และ Refill
2	Server Room	14T050156	S	2175 psi		May-14	ควรนำไป Hydro test และ Refill

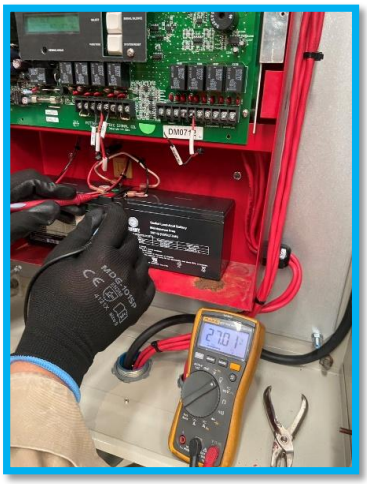
S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 2 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST INERGEN SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :



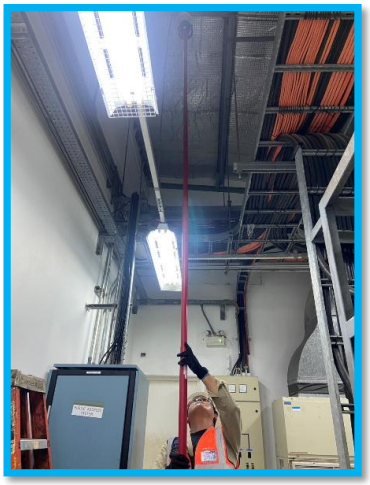


Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FM-200 SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- NEW MAIN EER ROOM. FM 200 FIKE PROTECTION

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	FM-200 set ไว้ที่ mode manual test
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.3 VAC
Charger control panel 27.65 V.dc
Battery back up 27.61 V.dc (strt using 23/7/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : PKL- NEW MAIN EER. ROOM FM 200 FIKE PROTECTION

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	FM-200 NEW-PKL-main eer .room	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 30sec
2	FM-200 NEW-PKL-main eer .room	ZONE.2	SMOKE.2	S	S	แก้ไขแล้ว
3	FM-200 NEW-PKL-main eer .room	ZONE.1	SMOKE.1	S	S	Alarm 1 Bell
4	FM-200 NEW-PKL-main eer .room	ZONE.2	SMOKE.2	S	S	Alarm 2 Stobe horn
5	FM-200 NEW-PKL-main eer .room	ZONE.3	MANUAL	S	S	to discharge
6	FM-200 NEW-PKL-main eer .room	ZONE.8	HORN&STOBE	S	S	active pre alarm
7	FM-200 NEW-PKL-main eer .room	ZONE.9	Solenoid Valve	S	S	to discharge
8	FM-200 NEW-PKL-main eer .room	ZONE.4	ABORT.SW	S	S	original time
		ZONE. 6	Alarm Bell	S	S	active first alarm

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

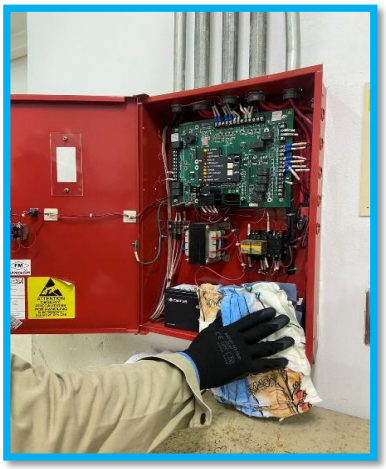
Remark :

* Smoke detector cross zone delay times 30 sec.
* Abort switch push to Original time delay
* Manual release push to discharge gas
* Alarm 1 bell ทำงาน, Alarm 2 stobe horn ทำงาน, Release stobe horn, Stobe light ทำงาน
* Manual stobe horn, stobe light ทำงาน
* ควรติดตั้ง horn&stobe ภายในห้อง EER room (PKL)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FM-200 SYSTEM

		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

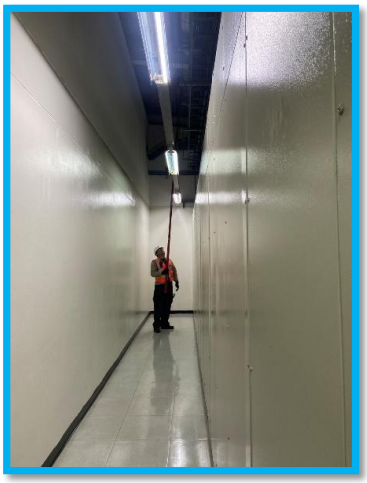
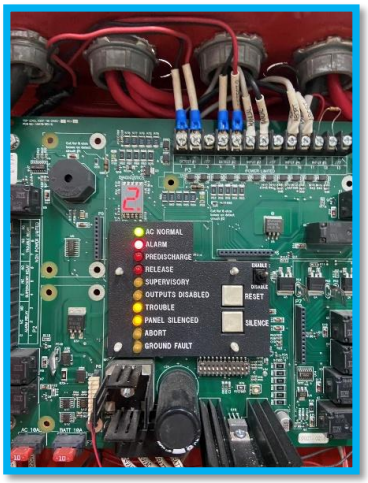

	

Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CO2 SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression CO2 System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL2 Entry EER. Room / Autopulse 542 R

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual pull station	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check selector valve and function test	S	S	
2.8 Check condition of all alarm devise and testing	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

AC Power	228.4	VAC
Charger control panel	27.33	VDC
Battery back up	27.31	VDC (Start Using 22/10/25)

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression CO2 System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL2 Entry EER. Room / Autopulse 542 R

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	Transformer XFHV-12	1	Heat	S	S	
2	Transformer XFHV-12	2	Heat	S	S	
3	Transformer XFHV-12	3	Manual	S	S	
4	Transformer XFHV-12	5	Pressure Switch	S	S	
5	Transformer XFHV-12	6	Lock Out Valve	S	S	
6	Transformer XFHV-12	NAC 1	Solenoid Valve	S	S	
7	Transformer XFHV-12	NAC 2	Strobe / Horn	S	S	First alarm active
8	Transformer XFHV-12	NAC 3	Alarm Bell	S	S	Second alarm active
9	Transformer XFHV-12	NAC 1	Key SW.	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: * Heat detector cross zone delay time 30 sec to discharge
* Manual release delay times 30 sec to discharge
* Alarm 1 stobe horn ทำงาน, Alarm 2 bell ทำงาน
* Discharge stobe horn, bell ทำงาน

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

CARBON DIOXIDE FIRE EXTINGUISHING SYSTEMS
Semi-Annual Tests and Maintenance

AREA : Transformer XFHV-12 **DATE : 17-Jun-26**

Num.	AREA	Cylinder Number	Empty Weight (Kg.)		Full Weight (Kg.)		Actual Weight (Kg.)				% Lost	Date of Manufacture	Date of Hydro Test	Total Year	Result
1	Transformer XFHV-12	15K520140	80.90	Kg.	125.90	Kg.	125.64	kg.	-	kg.	0.148%	10 / 2015	Nov-23	2	
2	Transformer XFHV-12	15K520165	81.81	Kg.	126.89	Kg.	127.82	kg.	-	kg.	0.281%	10 / 2015	Nov-23	2	
3	Transformer XFHV-12	15K520201	80.00	Kg.	125.00	Kg.	125.06	kg.	-	kg.	0.025%	10 / 2015	Nov-23	2	
4	Transformer XFHV-12	15K520024	80.90	Kg.	125.90	Kg.	126.74	kg.	-	kg.	0.039$	10 / 2015	Nov-23	2	
5	Transformer XFHV-12	15K520106	78.63	Kg.	123.63	Kg.	124.10	kg.	-	kg.	0.004%	10 / 2015	Nov-23	2	
6	Transformer XFHV-12	15K520154	81.81	Kg.	126.81	Kg.	127.64	kg.	-	kg.	0.020%	10 / 2015	Nov-23	2	

Remark : Lost of more than 10% requires refilling. **The hydrostatic test for CO2 cylinder is required every 12 years.**

Takachiho fire, Security & Services (Thailand) Ltd.

Completed By : _____ Witnessed By : _____

Signature : _____ Signature : _____

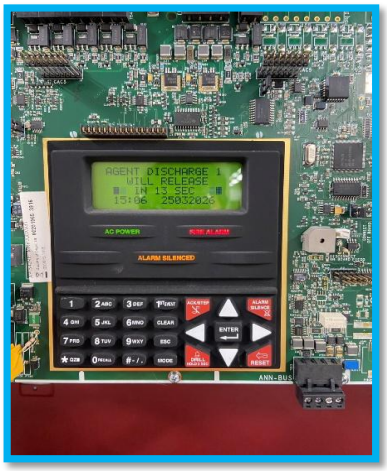
Date : _____ Date : _____

$$\frac{\text{Actual Weight - Full Weight}}{\text{Empty Weight}} \times 100$$

(-) = Lost, Weight the cylinder lost of more than 10 % need to refill

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST CO2 SYSTEM

		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

NITROGEN FIRE SUPPRESSION SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTER ROOM NCP NO. 1 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check selector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.5 VAC
Charger control panel 26.92 VDC
Battery back up 26.90 VDC (Replace Battery 30/3/26)
* Smoke detector zone 1 อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTTER ROOM NCP NO. 1 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	SERVER&COMPUTTER ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	SERVER&COMPUTTER ROOM	ZONE2	SMOKE	S	S	
3	SERVER&COMPUTTER ROOM	ZONE1	SMOKE	US	US	อุปกรณ์เสีย test ไม่ส่ง alarm
4	SERVER&COMPUTTER ROOM	ZONE2	SMOKE	S	S	
5	SERVER&COMPUTTER ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
6	SERVER&COMPUTTER ROOM		BELL	S	S	first alarm
7	SERVER&COMPUTTER ROOM		HORN&STOBE	S	S	second alarm
8	SERVER&COMPUTTER ROOM		Solenoid Valve	S	S	to discharge
9	SERVER&COMPUTTER ROOM		ABORT.SW	S	S	to reset panel

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1 Bell ดังยาว
* Alarm 2 Bell ดังยาว, stobe/horn ดังเป็นจังหวะ
* Discharge Bell, stobe/horn ดังยาว (OP85)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTER ROOM NCP NO. 2 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 228.7 VAC
Charger control panel 27.01 VDC
Battery back up 26.98 VDC (Replace Battery 30/3/26)
* Selector ทำงานตอน smoke cross zone
* By pass pressure gauge by tank no 5,18,27,28,39,75,78,101
* Smoke test อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 5 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER SERVER&COMPUTTER ROOM NCP NO. 2 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	US	US	cross zone detector discharge 45 sec อุปกรณ์เสีย test ไม่ส่ง alarm = 5 ea
2	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	US	US	
3	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	US	US	
4	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	US	US	
5	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	US	US	
6	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
7	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
8	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
9	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
10	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
11	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
12	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	
13	MCL-2 MAIN EER ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
14	MCL-2 MAIN EER ROOM		BELL	S	S	first alarm
15	MCL-2 MAIN EER ROOM		HORN&STOBE	S	S	second alarm
16	MCL-2 MAIN EER ROOM		Solenoid Valve	S	S	to dischage
17	MCL-2 MAIN EER ROOM		ABORT.SW	S	S	to reset panel
18	MCL-2 MAIN EER ROOM	ZONE1	SMOKE	S	S	
19	MCL-2 MAIN EER ROOM	ZONE2	SMOKE	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : test function and clean detector
system is normal
No.5,18,27,28,39,41 pressure gauge was broken
* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1, Alarm 2 Bell ดังยาว
* Discharge Bell ดังยาว
* Stobe/horn alarm 2 ดังเป็นเพ้าท์
* Stobe/horn discharge ดังเร็วถี่ขึ้น (OP84)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER COATING POT ROOM EER ROOM ใต้ดิน NCP NO. 3 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.3 VAC
Charger control panel 26.91 VDC
Battery back up 26.89 VDC (Replace Battery 30/3/26)
**By pass pressure gauge by tank no. 1,2,3,10,11,15

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2-MAIN EER COATING POT ROOM NCP NO. 3 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MAIN EER COATING POT ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	MAIN EER COATING POT ROOM	ZONE2	SMOKE	S	S	
3	MAIN EER COATING POT ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
4	MAIN EER COATING POT ROOM		BELL	S	S	first alarm
5	MAIN EER COATING POT ROOM		HORN&STOBE	S	S	second alarm
6	MAIN EER COATING POT ROOM		Solenoid Valve	S	S	to discharge
7	MAIN EER COATING POT ROOM		ABORT.SW	S	S	to reset panel

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : * Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1, Alarm 2 Bell ดังยาว
* Discharge Bell ดังยาว
* Stobe/horn alarm 2 ดังเป็นเพ้าท์
* Stobe/horn discharge ดังเร็วถี่ขึ้น

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 MAIN EER PREMELT ROOM NCP NO. 4 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.8 VAC
Charger control panel 27.09 VDC
Battery back up 27.05 VDC (Replace Battery 30/3/26)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 PREMALT ROOM NCP NO. 4 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MAIN EER PREMELT ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	MAIN EER PREMELT ROOM	ZONE2	SMOKE	S	S	
3	MAIN EER PREMELT ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
4	MAIN EER PREMELT ROOM		BELL	S	S	first alarm
5	MAIN EER PREMELT ROOM		HORN&STOBE	S	S	second alarm
6	MAIN EER PREMELT ROOM		Solenoid Valve	S	S	to discharge
7	MAIN EER PREMELT ROOM		ABORT.SW	S	S	to reset panel

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :
* Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.
* Alarm 1, Alarm 2 discharge bell ดังยาว
* Alarm 2 stobe/horn ดังเป็นเพ้าท์
* Discharge stobe/horn ดังเร็วถี่ขึ้น

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 ENTRY MAIN EER ROOM PLC&COMPUTTER ROOM NCP NO. 5 Potter

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.2 VAC
Charger control panel 27.36 VDC
Battery back up 27.33 VDC (Start using 22/10/25)
* Smoke detector zone 2 อุปกรณ์เสีย 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 ENTRY MAIN EER ROOM PLC&COMPUTTER ROOM NCP NO. 5 Potter

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	ENTRY PLC&COMPUTTER ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	ENTRY PLC&COMPUTTER ROOM	ZONE2	SMOKE	S	S	
3	ENTRY PLC&COMPUTTER ROOM	ZONE1	SMOKE	S	S	
4	ENTRY PLC&COMPUTTER ROOM	ZONE2	SMOKE	US	US	อุปกรณ์เสีย
5	ENTRY PLC&COMPUTTER ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
6	ENTRY PLC&COMPUTTER ROOM		BELL	S	S	first alarm
7	ENTRY PLC&COMPUTTER ROOM		HORN&STOBE	S	S	second alarm
8	ENTRY PLC&COMPUTTER ROOM		Solenoid Valve	S	S	to dischage
9	ENTRY PLC&COMPUTTER ROOM		ABORT.SW	S	S	remain 10 sec

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark :

* Smoke detector cross zone delay times 45 sec.
* Abort switch push to remain 10 sec.
* Manual release push to delay times 30 sec.
* Alarm 1 bell ทำงาน
* Alarm 2 stobe/horn ทำงานยาว
* Discharge bell, stobe/horn ดังยาว

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2 ENTRY MAIN EER ROOM NCP NO. 6 SIEMENS CP-2ER

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check condition of flexible hose	S	S	
3.3 check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 227.9 VAC
Charger control panel 27.42 VDC
Battery back up 27.38 VDC (Replace Battery 22/10/25)
**By pass pressure gauge by tank no18,27,28,39,49,75,78,101
* Smoke test อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 1 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-2ENTRY MAIN EER.ROOM NCP NO. 6 SIEMENS CP-2ER

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	ENTRY MAIN EER. ROOM	ZONE1	SMOKE	S	S	cross zone detector discharge 45sec
2	ENTRY MAIN EER. ROOM	ZONE2	SMOKE	US	US	อุปกรณ์เสีย test ไม่ส่ง alarm
3	ENTRY MAIN EER. ROOM	ZONE1	SMOKE	S	S	
4	ENTRY MAIN EER. ROOM	ZONE2	SMOKE	S	S	
5	ENTRY MAIN EER. ROOM	ZONE1	SMOKE	S	S	
6	ENTRY MAIN EER. ROOM	ZONE2	SMOKE	S	S	
7	ENTRY MAIN EER. ROOM	ZONE3	MANUAL	S	S	to discharge 30sec
8	ENTRY MAIN EER. ROOM		BELL	S	S	first alarm
9	ENTRY MAIN EER. ROOM		HORN&STOBE	S	S	second alarm
10	ENTRY MAIN EER. ROOM		Solenoid Valve	S	S	to discharge
11	ENTRY MAIN EER. ROOM		ABORT.SW	S	S	to reset panel
			Selector	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : * Smoke detector cross zone delay times 45 sec.
* Abort switch push to reset system to normal
* Manual release push to delay times 30 sec.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (COATING PORT EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	COATING PORT EER ROOM (Master Tank)	1573338 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
2	COATING PORT EER ROOM	1573483 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
3	COATING PORT EER ROOM	1573557 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
4	COATING PORT EER ROOM	1573170 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
5	COATING PORT EER ROOM	1573091 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
6	COATING PORT EER ROOM	1573185 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
7	COATING PORT EER ROOM	1573634 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
8	COATING PORT EER ROOM	1573498 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
9	COATING PORT EER ROOM	1573503 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
10	COATING PORT EER ROOM	1573577 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
11	COATING PORT EER ROOM	1573379 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
12	COATING PORT EER ROOM	1573837 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
13	COATING PORT EER ROOM	1573166 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
14	COATING PORT EER ROOM	1573347 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
15	COATING PORT EER ROOM	1573540 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 15 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2(PLC&COM Room, ENTRY EER)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	PLC &COM ROOM (Master Tank)	1573508 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
2	PLC &COM ROOM	1573673 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
3	PLC &COM ROOM	1573669 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
4	PLC &COM ROOM	1573518 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
5	PLC &COM ROOM	1573604 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
6	PLC &COM ROOM	1573425 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
7	PLC &COM ROOM	1573564 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill
8	PLC &COM ROOM	1573568 UT	S	200 Bar	Dec-03	Oct-16	ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 8 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PLC & COMPUTOR ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	Main PLC & COMPUTOR ROOM (Master)	1559684 UT	S	228 Bar	Dec-03		ควรนำไป Hydro test และ Refill
2	Main PLC & COMPUTOR ROOM	1559786 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
3	Main PLC & COMPUTOR ROOM	1559688 UT	S	225 Bar	Dec-03		ควรนำไป Hydro test และ Refill
4	Main PLC & COMPUTOR ROOM	1559744 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
5	Main PLC & COMPUTOR ROOM	1560120 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
6	Main PLC & COMPUTOR ROOM	1559736 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 6 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PREMALT ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	PREMALT ROOM (Master Tank)	1573547 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill
2	PREMALT ROOM	1573504 UT	S	225 Bar	Dec-03		ควรนำไป Hydro test และ Refill
3	PREMALT ROOM	1573433 UT	S	225 Bar	Dec-03		ควรนำไป Hydro test และ Refill
4	PREMALT ROOM	1573406 UT	S	220 Bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 4 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 2 EER ROOM (Master Tank)	1573268 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
2	MCL 2 EER ROOM	1573249 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
3	MCL 2 EER ROOM	1573088 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
4	MCL 2 EER ROOM	1559588 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
5	MCL 2 EER ROOM	1573348 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
6	MCL 2 EER ROOM	1559993 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
7	MCL 2 EER ROOM	1560025 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
8	MCL 2 EER ROOM	1559959 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
9	MCL 2 EER ROOM	1573333 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
10	MCL 2 EER ROOM	1573259 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
11	MCL 2 EER ROOM	1573145 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
12	MCL 2 EER ROOM	1573188 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
13	MCL 2 EER ROOM	1573205 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
14	MCL 2 EER ROOM	1573087 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
15	MCL 2 EER ROOM	1573204 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
16	MCL 2 EER ROOM	1573199 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
17	MCL 2 EER ROOM	1560141 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
18	MCL 2 EER ROOM	1559946 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
19	MCL 2 EER ROOM	1560058 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
20	MCL 2 EER ROOM	1559915 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
21	MCL 2 EER ROOM	1559651 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
22	MCL 2 EER ROOM	1573374 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
23	MCL 2 EER ROOM	1573355 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
24	MCL 2 EER ROOM	1573271 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
25	MCL 2 EER ROOM	1573220 UT	S	240 bar	Dec-03		ควรนำไป Hydro test และ Refill
26	MCL 2 EER ROOM	1559934 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
27	MCL 2 EER ROOM	1560119 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
28	MCL 2 EER ROOM	1573247 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
29	MCL 2 EER ROOM	1573331 UT	S	215 bar	Dec-03		ควรนำไป Hydro test และ Refill
30	MCL 2 EER ROOM	1560070 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 30 ถัง**

* Pressure gauge ถัง Item no. 1-24 ด้านหน้า gauge เริ่มเสื่อมสภาพมองไม่ชัดเจน จำนวน 24 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL 2 EER ROOM	1559711 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
32	MCL 2 EER ROOM	1558695 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
33	MCL 2 EER ROOM	1559757 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
34	MCL 2 EER ROOM	1559701 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
35	MCL 2 EER ROOM	1559700 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
36	MCL 2 EER ROOM	1559917 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
37	MCL 2 EER ROOM	1559699 UT	S	250 bar	Dec-03		ควรนำไป Hydro test และ Refill
38	MCL 2 EER ROOM	1573274 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
39	MCL 2 EER ROOM	1573354 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
40	MCL 2 EER ROOM	1573312 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
41	MCL 2 EER ROOM	1573104 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
42	MCL 2 EER ROOM	1573281 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
43	MCL 2 EER ROOM	1573657 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
44	MCL 2 EER ROOM	1573488 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
45	MCL 2 EER ROOM	1573392 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
46	MCL 2 EER ROOM	1573394 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
47	MCL 2 EER ROOM	1573377 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
48	MCL 2 EER ROOM (Master Tank)	1573613 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
49	MCL 2 EER ROOM (Master Tank)	1573441 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
50	MCL 2 EER ROOM	1573324 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
51	MCL 2 EER ROOM	1559613 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
52	MCL 2 EER ROOM	1559941 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
53	MCL 2 EER ROOM	1559970 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
54	MCL 2 EER ROOM	1573671 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
55	MCL 2 EER ROOM	1559830 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
56	MCL 2 EER ROOM	1560099 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
57	MCL 2 EER ROOM	1559820 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
58	MCL 2 EER ROOM	1559977 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
59	MCL 2 EER ROOM	1559745 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
60	MCL 2 EER ROOM	1560115 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 30 ถัง**

* Pressure gauge ถัง Item no. 50, 51, 52, 54, 55, 56, 57, 58, 59, 60 ด้านหน้า gauge เริ่มเสื่อมสภาพมองไม่ชัดเจน จำนวน 10 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
61	MCL 2 EER ROOM	1573376 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
62	MCL 2 EER ROOM	1573597 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
63	MCL 2 EER ROOM	1560006 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
64	MCL 2 EER ROOM	1559998 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
65	MCL 2 EER ROOM	1559856 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
66	MCL 2 EER ROOM	1559939 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
67	MCL 2 EER ROOM	1573560 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
68	MCL 2 EER ROOM	1573350 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
69	MCL 2 EER ROOM	1559717 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
70	MCL 2 EER ROOM	1559954 UT	S	195 bar	Dec-03		ควรนำไป Hydro test และ Refill
71	MCL 2 EER ROOM	1573269 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
72	MCL 2 EER ROOM	1573210 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
73	MCL 2 EER ROOM	1573579 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
74	MCL 2 EER ROOM	1560056 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
75	MCL 2 EER ROOM	1559686 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
76	MCL 2 EER ROOM	1573616 UT	S	190 bar	Dec-03		ควรนำไป Hydro test และ Refill
77	MCL 2 EER ROOM	1573370 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
78	MCL 2 EER ROOM	1573402 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
79	MCL 2 EER ROOM	1573534 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
80	MCL 2 EER ROOM	1573617 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
81	MCL 2 EER ROOM	1573666 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
82	MCL 2 EER ROOM	1560114 UT	S	212 bar	Dec-03		ควรนำไป Hydro test และ Refill
83	MCL 2 EER ROOM	1560146 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
84	MCL 2 EER ROOM	1559843 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
85	MCL 2 EER ROOM	1560040 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
86	MCL 2 EER ROOM	1559857 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
87	MCL 2 EER ROOM	1560003 UT	S	200 bar	Dec-03		ควรนำไป Hydro test และ Refill
88	MCL 2 EER ROOM	1559935 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
89	MCL 2 EER ROOM	1560029 UT	S	212 bar	Dec-03		ควรนำไป Hydro test และ Refill
90	MCL 2 EER ROOM	1559690 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 30 ถัง**

* Pressure gauge ถัง Item no. 61,62,63,64,65,66,67,68,69,70,71,72,73,75,77,78 ด้านหน้า gauge เริ่มเสื่อมสภาพมองไม่ชัดเจน จำนวน 16 ea

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 17 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (MAIN EER ROOM & ENTRY EER ROOM)

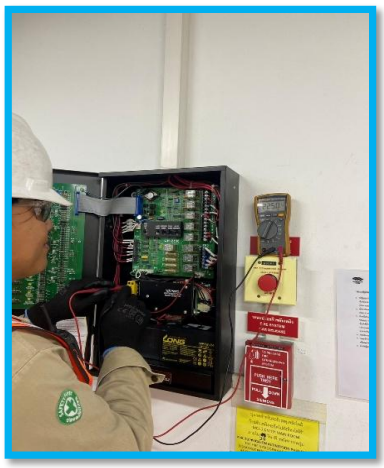
item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
91	MCL 2 EER ROOM	1559687 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
92	MCL 2 EER ROOM	1559597 UT	S	230 bar	Dec-03		ควรนำไป Hydro test และ Refill
93	MCL 2 EER ROOM	1559918 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
94	MCL 2 EER ROOM	1559697 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
95	MCL 2 EER ROOM	1560034 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
96	MCL 2 EER ROOM	1573090 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
97	MCL 2 EER ROOM	1573306 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
98	MCL 2 EER ROOM	1560083 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
99	MCL 2 EER ROOM	1559800 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
100	MCL 2 EER ROOM	1573363 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
101	MCL 2 EER ROOM	1573102 UT	S	225 bar	Dec-03		ควรนำไป Hydro test และ Refill
102	MCL 2 EER ROOM	1573332 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
103	MCL 2 EER ROOM	1573360 UT	S	210 bar	Dec-03		ควรนำไป Hydro test และ Refill
104	MCL 2 EER ROOM	1560106 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
105	MCL 2 EER ROOM	1559983 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
106	MCL 2 EER ROOM	1573529 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
107	MCL 2 EER ROOM	1573644 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill
108	MCL 2 EER ROOM (Master Tank)	1573495 UT	S	220 bar	Dec-03		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: **ควรนำไป Hydro test และ Refill ใหม่ จำนวน 18 ถัง**

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST NITROGEN SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

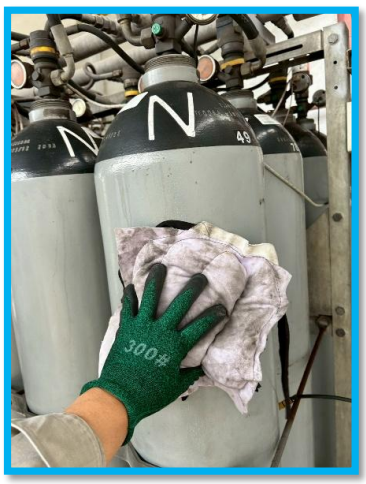
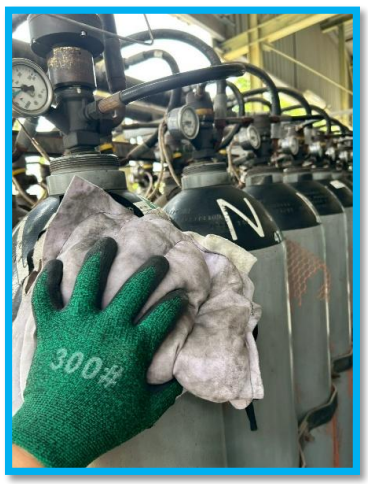

		

Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

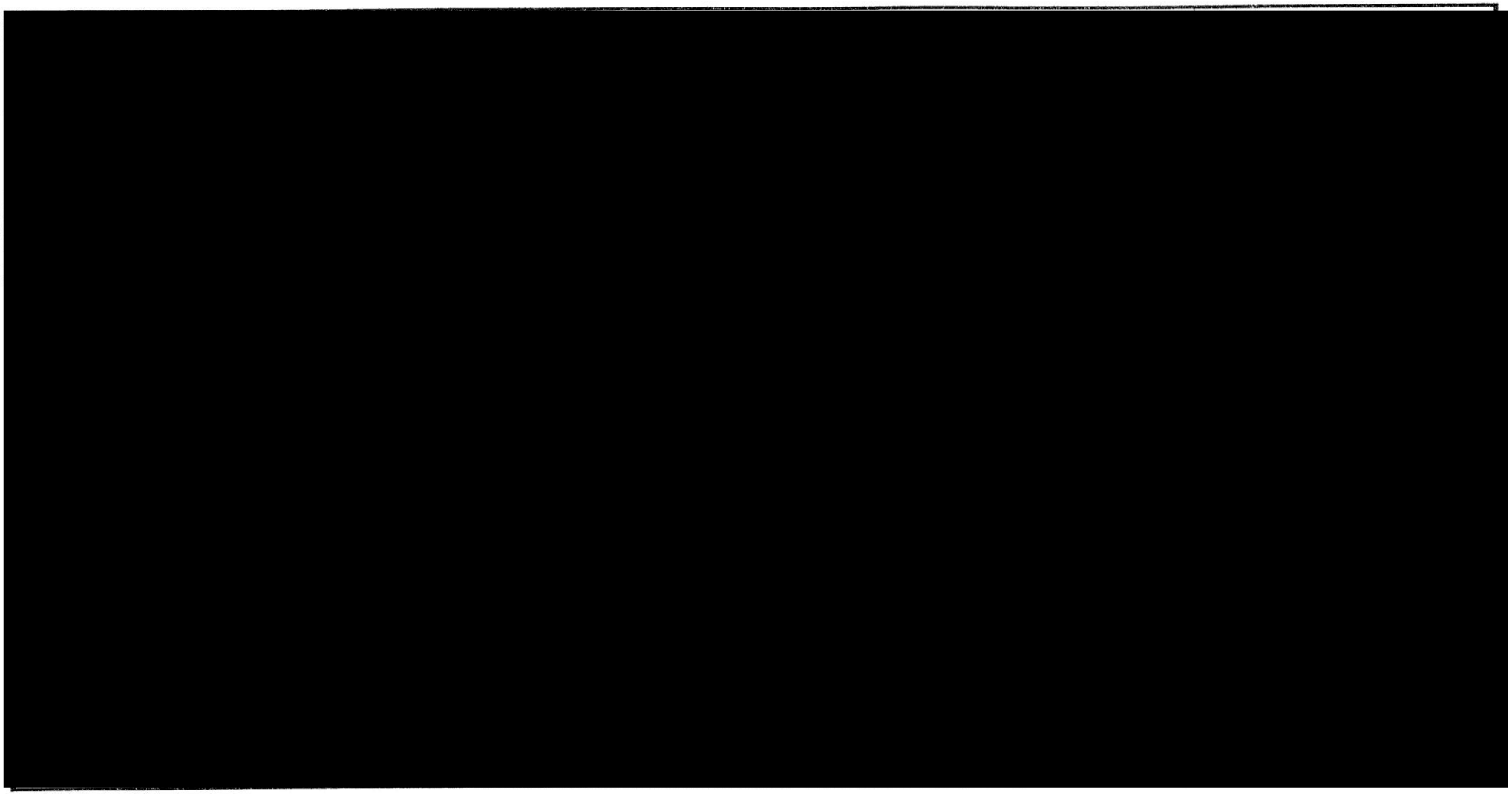
Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DELUGE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

SYSTEM COMPONENTS



TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR DELUGE SYSTEM

1 Spray Nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. Pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

4 Gauges : Note condition of gauges. Record water pressure (PSI)

5 Flow Test : Conduct full flow test. Assure system operates properly and record operation time.

6 Deluge Valve : Internal inspect deluge or preaction valve. Verify that all components operate, properly, move freely and in good condition. If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe un der " Remark "

7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

8 Deluge Supervisory Panel and equipments appear operation. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

AUTOMATIC SPRINKLER SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR AUTOMATIC SPRINKLER SYSTEM(WET PIPE)

1 Sprinkler nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no obstructions, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
4 Gauges : Note condition of gauges. Record water pressure (PSI)	
5 Flow Test : Conduct full flow test at test valve for ensure alarm gong or pressure switch work properly in alarm function	
6 Alarm Valve: Internal inspect alarm valve. Verify that all components to proper operate ,move freely and in good condition If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under "remark"	S
7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S
8 Main drain valve: check main drain valve are in close position and no leak	
9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S

Inspector By: Subin, Wachira, Somkid, Anucha, Anuchit

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **18 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzle	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
1	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	S	N/A	155	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	
2	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	S	N/A	155	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	
3	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	S	N/A	155	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	
4	AV-LISTED 461A 2.5	CRM .EXIT DUCT	S	N/A	S	160	175	N/A	N/A	S	S	S	S	S	N/A	N/A	
5	DV-LISTED 461A 2.5	CRM-CELLA	S	N/A	S	160	165	N/A	N/A	S	S	S	S	S	N/A	N/A	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **18 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzle	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
6	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	S	
7	DV-LISTED 457.A 2.5	CRM .BLDG	N/A	N/A	S	150	165	N/A	N/A	N/A	S	S	S	S	S	S	
8	DV-LISTED 457.A 2.6	CRM .BLDG	N/A	N/A	S	150	175	N/A	N/A	N/A	S	S	S	S	S	S	
9	AV-LISTED 461A 2.5	CRM .EXIT DUCT	N/A	N/A	S	155	170	N/A	N/A	N/A	S	S	S	S	S	S	
10	AV-LISTED 461A 2.5	MCL1 cable cella	N/A	N/A	N/A	165	170	N/A	N/A	N/A	S	S	S	S	S	S	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **18 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzle	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
11	DV-LISTED457A 2.5	CPL-PAINT ROOM	N/A	S	N/A	150	170	N/A	N/A	N/A	S	S	S	S	S	S	
12	DV-LISTED457A 2.5	CPL-PAINT ROOM	N/A	S	N/A	150	170	N/A	N/A	N/A	S	S	S	S	S	S	
13	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone1
14	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone8
15	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone9

Remark : NO.13,14,15 Deluge valve close to mcl-2 process bldg.
Zone 1, 8 ,9

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **18 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
16	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone2
17	INBAL 799DG-04A01 4.0	MCL-2 ware house	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone3
18	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone4
19	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone5
20	INBAL 799DG-04A01 4.0	MCL-2premelt	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone6

Remark :
**NO.16,17,18,19,20 Deluge valve close to mcl-2 process bldg.
Zone 2, 3, 4, 5, 6

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **18 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
21	INBAL 799DG-04A01 4.0	MCL-2entry	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone7
22	INBAL 799DG-04A01 4.0	MCL-2entry	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone14
23	INBAL 799DG-04A01 4.0	MCL-2entry	N/A	N/A	N/A	N/A	175	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone13
24	INBAL 799DG-04A01 4.0	MCL-2ingot	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone16
25	INBAL 799DG-04A01 4.0	MCL-2 worke shop	N/A	N/A	N/A	N/A	165	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone15

Remark :
**NO.21,22,23,24,25 Deluge valve close to mcl-2 process bldg.
Zone 7, 14, 13, 16, 15

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **18 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
26	INBAL 799DG-04A01 4.0	MCL-2 worke shop	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone12
27	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone11
28	INBAL 799DG-04A01 4.0	MCL-2 process	N/A	N/A	N/A	N/A	170	N/A	N/A	N/A	S	S	S	S	N/A	N/A	zone10
29	AV-LISTED 467A 4.0	MCL-2genarator	S	N/A	S	135	175	N/A	N/A	S	S	S	S	S	N/A	N/A	
30	AV-LISTED 467A 2.5	MCL-1genarator	S	N/A	N/A	N/A	N/A	N/A	N/A	S	S	S	S	S	N/A	N/A	

Remark : NO.26,27,28 Deluge valve close to mcl-2 process bldg.
Zone 12, 11, 10

* Alarm valve no. 30 pressure gauge ชำรุด 2 ตัว
(Pressure gauge บนเข็มไม่ตรง , Pressure gauge ล่างเข็มหลุด)

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
REF.Contract NO : **SC1000320**
Inspection Date : **18 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
31	AV-LISTED	MCL-1 fire pump room	S	N/A	S	150	170	N/A	N/A	S	S	S	S	S	N/A	N/A	
32	DV-LISTED	CRM-Mill housing	S	N/A	S	150	165	N/A	N/A	S	S	S	S	S	S	S	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM MILL MAIN MOTOR POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check selector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent quantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.59 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM,PIT#1 ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 25.84 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM,PIT#2 ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 25.93 vdc. (Use since 1/4/25)Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM,PIT#3 ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe the container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.31 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM-MILL HOUSING POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 27.32 vdc (Use since 30/4/24) Clean & check system control
control panel system normal
* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea
* หน้าจอเสื่อมสภาพ Display error

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1 MAIN EER.CABEL CELLA ROOM POTER TFC SERIES

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe the container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 26.84 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-1 MAIN EER.CABEL CELLA ROOM POTER TFC SERIES

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	cross zone detector discharge 30sec
2	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
3	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
4	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
5	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
6	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
7	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
8	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
9	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
10	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
11	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
12	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
13	MCL-1 main cabel cella	ZONE1	SMOKE DETECTOR	N/A	N/A	
14	MCL-1 main cabel cella	ZONE2	SMOKE DETECTOR	N/A	N/A	
15			MANUAL	N/A	N/A	to discharge
16			BELL	N/A	N/A	first alarm
17			HORN&STOBE	N/A	N/A	second alarm
18			Solenoid Valve	N/A	N/A	to discharge

S = Satisfactory US= Unsatisfactory N/A = Not Applicable

Remark : didn't perform function test on detector as it was production area

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STOR LOWER ROOM NOTIFIER RP-2002

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 checkthe container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 27.28 vdc. (Use since 06/2023) Clean & check system control
control panel system normal
* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STOR LOWER ROOM POTER TFC SERIES

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CPL-LOWER ROOM	ZONE1	FLAME DETECTOR	N/A	N/A	cross zone detector discharge 30sec
2	CPL-LOWER ROOM	ZONE2	FLAME DETECTOR	N/A	N/A	
3	CPL-LOWER ROOM	ZONE1	FLAME DETECTOR	N/A	N/A	
4	CPL-LOWER ROOM	ZONE2	FLAME DETECTOR	N/A	N/A	
5			MANUAL 1	N/A	N/A	30 sec to discharge
6			MANUAL 2	N/A	N/A	30 sec to discharge
7			BELL	N/A	N/A	first alarm
8			HORN&STOBE	N/A	N/A	second alarm
9			Solenoid Valve	N/A	N/A	to discharge
10			MANUAL 3	N/A	N/A	30 sec to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Didn't perfrom function test on detector as it was production area

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STORE UPPER NOTIFIER RP-2002

Description	Status	Function test Result	Remark
Electrical system			
1. Fire Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	N/A	N/A	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	N/A	N/A	
2.2 cross zone function test of detector	N/A	N/A	
2.3 Check condition of all manual pull station	N/A	N/A	
2.4 Check condition of solinoid and function test	N/A	N/A	
2.5 Check condition of all abort switch and function test	S	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	N/A	N/A	
2.8 Check condition of all alarm devise and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 checkthe the container pressure gauges for operation pressure.	N/A	N/A	
3.3 check agent guantity by weighing the container	N/A	N/A	
3.4 check condition of flexible hose	N/A	N/A	
3.5 check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Battery control panel 27.35 vdc. (Use since 06/2023) Clean & check system control
control panel system normal
* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO : SC1000320
Inspection Date : 18 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CPL.PAINT STORE UPPER POTER TFC SERIES

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	CPL.PAINT STORE UPPER RM.	ZONE1	FLAME DETECTOR	N/A	N/A	cross zone detector discharge 30sec
2	CPL.PAINT STORE UPPER RM.	ZONE2	FLAME DETECTOR	N/A	N/A	
3	CPL.PAINT STORE UPPER RM.	ZONE1	FLAME DETECTOR	N/A	N/A	
4	CPL.PAINT STORE UPPER RM.	ZONE2	FLAME DETECTOR	N/A	N/A	
5	CPL.PAINT STORE UPPER RM.		MANUAL 1	N/A	N/A	30 sec to discharge
6	CPL.PAINT STORE UPPER RM.		BELL	N/A	N/A	first alarm
7	CPL.PAINT STORE UPPER RM.		HORN&STOBE	N/A	N/A	second alarm
8	CPL.PAINT STORE UPPER RM.		Solenoid Valve	N/A	N/A	to discharge
9			MANUAL 2	N/A	N/A	30 sec to discharge
10			MANUAL 3	N/A	N/A	30 sec to discharge

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Didn't perfrom function test on detector as it was production area

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST AUTOMATIC SPRINKLER & ALARM VALVE SYSTEM

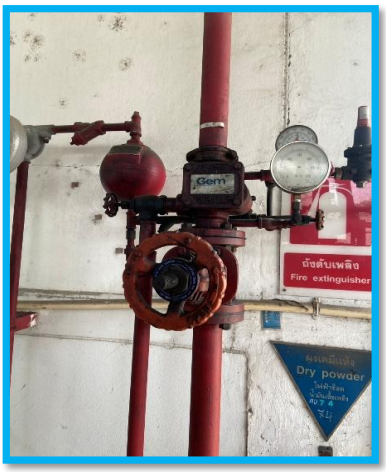


Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HYDRANT SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 18 June 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9	
		FIRE PUMP ROOM	*CPL-Pant Store)*	*CPL.BLDG*	*MCL-1*	*PKL-OP15*	*CHEMICAL STORE*	*CRM. Cooling fower*	*PKL-OP-18*	*PKL-OP-15*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: **no.5 and no.6 cancel this 2 points

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 18 June 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.10	NO.11	NO.12	NO.13	NO.14	NO.15	NO.16	NO.17	NO.18	
		Chemical Store	*STORE*	*PKL-OP05*	*CRM-OP/2*	*CANTEEN*	*MCL1-OP-53*	*CRM-OP-57*	*CRM-OP-61*	*ADMIN BLDG*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**US**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Fire hydrant no. 14 canteen ฝา cap แตกชำรุด 1 ea
* Test hydrant no. 18
* Test hydrant no. 10

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 18 June 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25	NO.26	NO.27	
		ADMIN BLDG	*MCL-2 OP-72*	*MCL-2 OP/74*	*mcl-2/op88*	*mcl-2/op89*	*mcl-2/hose 43*	*mcl-2/hose 44*	*mcl-2/hose 45*	*mcl-2/hose 46*	
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	-Cap	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 18 June 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.28	NO.29	NO.30	NO.31	NO.32	NO.33	NO.34	NO.35	NO.36	
		mcl-2/hose 47	*mcl-2/hose 48*	*mcl-2/hose 49*	*mcl-2/hose 50*	*mcl-2/hose 51*	*mcl-2/hose 52*	*mcl-2/hose 53*	*mcl-2/hose 54*	*mcl-2/hose 55*	
Flangs	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Gasket	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Bolt&Nut	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Piping	- Corrosion	S	S	S	S	S	S	S	S	S	
	- Thread	S	S	S	S	S	S	S	S	S	
	- Leakage	S	S	S	S	S	S	S	S	S	
Valve	- Handle	S	S	S	S	S	S	S	S	S	
	- Leakage	S	S	S	S	S	S	S	S	S	
	- Stem Packing	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	
Coupling	- Seal Condition	S	S	S	S	S	S	S	S	S	
	- Leakage	S	S	S	S	S	S	S	S	S	
	- Connector Locker	S	S	S	S	S	S	S	S	S	
	-Cap	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 18 June 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.37	NO.38								
		mcl-2/hose 56	*CRM*								
Flangs	- Corrosion	**N/A**	**N/A**								
	- Gasket	**N/A**	**N/A**								
	- Bolt&Nut	**N/A**	**N/A**								
Piping	- Corrosion	**S**	**S**								
	- Thread	**S**	**S**								
	- Leakage	**S**	**S**								
Valve	- Handle	**S**	**S**								
	- Leakage	**S**	**S**								
	- Stem Packing	**S**	**S**								
	- Corrosion	**S**	**S**								
Coupling	- Seal Condition	**S**	**S**								
	- Leakage	**S**	**S**								
	- Connector Locker	**S**	**S**								
	-Cap	**S**	**S**								

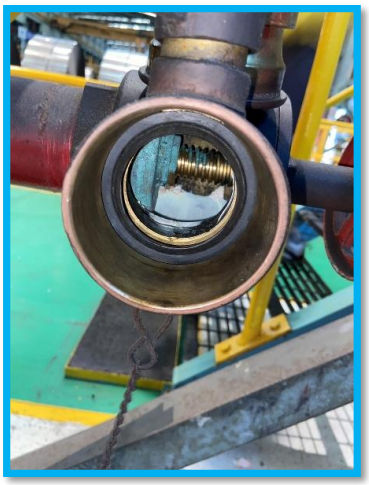
S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HYDRANT SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE CABINET AND HOSE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE CABINET AND FIRE HOSE

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel

Date : 18 June 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO,2	NO.3							
		STORE CHEMICAL	*STORE - Point*	*CRM*							
Cabinet	- Corrosion	**S**	**S**	**S**							
	- Door	**S**	**S**	**S**							
	- Key lock	**S**	**S**	**S**							
support	- Corrosion	**S**	**S**	**S**							
	Condition	**S**	**S**	**S**							
hose	Coupling	**S**	**S**	**S**							
	Connector Locker	**S**	**S**	**S**							
	Seal condition	**S**	**S**	**S**							
	Hydrostatic test 300 psi size 1.5"	**N/A**	**N/A**	**N/A**							
	Hydrostatic test 300 psi size 2.5"	**N/A**	**N/A**	**N/A**							
nozzel	- Leakage	**S**	**S**	**N/A**							
	- Condition	**S**	**S**	**N/A**							
	- Corrosion	**S**	**S**	**N/A**							

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: No. 1 สาย 1.5 จำนวน 2 เส้น หัวฉีด 1 หัว No. 2 สาย 1.5 จำนวน 2 เส้น หัวฉีด 1 หัว No. 3 สาย 1.5 จำนวน 2 เส้น ไม่มีหัวฉีด

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE CABINET AND HOSE SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 18 June 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9	
		MCL-1CHEMICAL	*CPL-PAINT STORE*	*CPL-.DOOR OP/46*	*CPL-.DOOR OP/44*	*CPL-.DOOR G2/13*	*CPL-.DOOR OP/43*	*CPL-PACKING*	*CPL-PACKING*	*CPL-PACKING*	
Cabinet	- Corrosion	S	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	S	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	S	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	S	S	S	S	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzel	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Test hose reel no. 2 29/4/26

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 18 June 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.10	NO.11	NO.12	NO.13	NO.14	NO.15	NO.16	NO.17	NO.18	
		MCL-1 SFIP-4	*MCL-1 N/32*	*MCL-1 N/39*	*MCL1-N/43*	*MCL2-PULPIT Room*	*CRM-OP/28*	*CRM-OP/21*	*PKL-EER ROOM*	*PKL-OP/16*	
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzle	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel

Date : 18 June 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25	NO.26	NO.27	
		PAINT SERVISES	*STORE W/HOP/9*	*PKL- OP/7*	*PKL-OP/5*	*PKL-OP/4*	*PKL-AH/4*	*CRM-OP/2*	*CRM-AH/51*	*CRM-OP/65*	
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	US	US	US	US	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzel	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * No. 26 ข้อต่อ 90° สำหรับท่อ fire hose reel ขนาด 1" ถูกกัดกร่อนเป็นสนิม

* No. 23, 24, 25 ท่อสำหรับ fire hose reel ขนาด 1" ด้าน ball valve เกลี่ยวถูกกัดกร่อนเป็นสนิม

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel

Date : 18 June 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.28	NO.29	NO.30	NO.31	NO.32	NO.33	NO.34	NO.35	NO.36	
		CRM-OP/64	*CRM-OP/62*	*CRM-OP/59*	*CRM-OP/57*	*MCL 1*	*MCL 1*	*MCL 1*	*MCL 1*	*MCL 1*	
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzel	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel

Date : 18 June 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.37	NO.38	NO.39	NO.40	NO.41	NO.42	NO.43	NO.44	NO.45	
		SUPPORT BLDG	*SAFETY*	*SUPPORT BLDG*	*SAFETY*	*ADMIN BLDG*	*ADMIN BLDG*	*MCL-2 ingot*	*MCL-2 INGOT*	*MCL-2 EAST ZONE*	
Cabinet	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**N/A**	
	- Door	**S**	**S**	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**N/A**	
	- Key lock	**S**	**S**	**S**	**S**	**S**	**S**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzel	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: * Test hose reel no. 41,42

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Date : 18 June 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.46	NO.47	NO.48	NO.49	NO.50	NO.51	NO.52	NO.53	NO.54	
		MCL-2 EAST ZONE	*MCL2-CENTRAL*	*MCL2-CENTRAL*	*MCL-2 WEST ZONE*	*MCL-2 WEST ZONE*	*MCL-2 WEST ZONE*	*MCL2-CENTRAL*	*MCL2-CENTRAL*	*MCL2-MAIN EER*	
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
Nozzle	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Project name: PM. Fire Protection System

Area : NS blue scope steel
Date : 18 June 2026
Site : Rayong

Description		Equipment No.								REMARKS
		NO.55	NO.56	NO.57	NO.58	NO.59	NO.60	NO.61		
		MCL-2 EAST ZONE	*MCL-2 EAST ZONE*	*CRM-EAST ZONE*	*MCL-1 Fl.3*	*MCL Fl.4*	*MCL Fl.5*	*CRM-CABLE CELLA*		
Cabinet	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**		
	- Door	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**		
	- Key lock	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**S**		
Support	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Component	Control valve condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Seal condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	Pipe system is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	all hose and hose valve is in good condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Nozzel	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**		

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

remark: * Test hose reel no. 41,42

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE REEL SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE PUMP

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ENGINE FIRE PUMP SYSTEM NO.1

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

ENGINE BRAND	**CUMMINS**	MODEL	**4BT39**	SERIAL No.	**21246806**
RATING	**-**	SPEED	**2900**	RPM.	
PUMP BRAND	**KSB AJAX PUMP**	MODEL	**MEGA-2000**	SERIAL N	
FLOW RATE	**750 GPM**	SUCTION DIA.	**6"**	DISCHARGE DIA.	**6"**
DESIGN PRESSURE	**120**	SPEED		RPM.	
CONTROL PANEL BRAND	**POWER CONTROL**	MODEL	**PC 1000**	SERIAL No.	**325-102007**
ELECTRICAL SYSTEM	**220**	VOLTS.	**NEG**	GROUND	.....

MONTHLY PREVENTATIVE MAINTENANCE

ENGINE

ITEM	DESCRIPTION		
1	WATER TEMPERATURE		63 ^{0}C
2	WATER LEVEL		Normal
3	OIL LEVEL		Normal
4	OIL PRESSURE		75
5	VOLTS. (CHARGING ALTERNATOR)		26.7, 26.8
6	AMP.(CHARGING ALTERNATOR)		Normal
7	SPEED RUNNING		2780
8	HOUR RUNNING	ก่อน test 1724.2	1725.5
9	FUEL LEVEL	3 / 4 OR 80%	90%
10	BATTERY ELECTROLYTE		Normal
11	CHECKED FOR WATER LEAK		Normal
12	CHECKED FOR FUEL LEAK		Normal
13	CHECKED FOR OIL LEAK		Normal
14	CLEANED		Normal

PUMP

ITEM	DESCRIPTION		
1	VISUAL CHECKED		Normal
2	BEARING TEMPERATURE		46/49 ^{0}C
3	DISCHARGE PRESSURE		145
4	SUCTION PRESSURE		0 Psi
5	NOISE		Normal
6	COUPLING		Normal
7	CHECKED FOR WATER LEAK	#	Normal
8	CHECKED PIPE & CONNECTOR		Normal
9	CHECKED PACKING SEAL	#	Normal
10	CHECKED FOR LUBRICATE		Normal
11	CHECKED FOR CORROSION		Normal
12	CLEANED		Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	CLEANED	Normal
2	LAMP TESTED	Normal
3	CHECKED POWER SUPPLY	Normal
4	BATTERY CHARGER	Normal

CONTROL PANEL(CONTINUE)

ITEM	DESCRIPTION	
5	VOLTS. (CHARGER) BATT.1 / BATT.2	28.0,28.0
6	AMP.(CHARGER) BATT.1 / BATT.2	0.5/0.2
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	90 Psi

RECOMMENDATION

Check condition of pump and cleaning

Function test pump manual / auto

The function system working properly

* เปลี่ยน spare part (3/7/24)

Start using battery 3/7/24

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ENGINE FIRE PUMP SYSTEM NO.2

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

ENGINE BRAND	**IVECO**	MODEL	**966819**	SERIAL No.	**8061SR1400D**
RATING	**-**	SPEED	**-**	RPM.	
PUMP BRAND	**IDEAL**	MODEL	**CPR 150-300 TAN**	SERIAL No.	**264183-05**
FLOW RATE	**1500 GPM**	SUCTION DIA.	**8"**	DISCHARGE DIA.	**8"**
DESIGN PRESSURE	**120**	SPEED	**-**	RPM.	
CONTROL PANEL BRAND	**Diesel Engine**	MODEL	**PC-1000**	SERIAL No.	**SIN519112021**
ELECTRICAL SYSTEM	**230**	VOLTS.	**NEG**	GROUND	.....

MONTHLY PREVENTATIVE MAINTENANCE

ENGINE

ITEM	DESCRIPTION		
1	WATER TEMPERATURE		73 ^{0}C
2	WATER LEVEL		Normal
3	OIL LEVEL		Normal
4	OIL PRESSURE		4.5 Bar
5	VOLTS. (CHARGING ALTERNATOR)		13.6 , 13.8
6	AMP.(CHARGING ALTERNATOR)		Normal
7	SPEED RUNNING		2840
8	HOUR RUNNING	ก่อน test	113.7
9	FUEL LEVEL	3 / 4 OR 80%	90%
10	BATTERY ELECTROLYTE		Normal
11	CHECKED FOR WATER LEAK		Normal
12	CHECKED FOR FUEL LEAK		Normal
13	CHECKED FOR OIL LEAK		Normal
14	CLEANED		Normal

PUMP

ITEM	DESCRIPTION		
1	VISUAL CHECKED		Normal
2	BEARING TEMPERATURE		56/55 ^{0}C
3	DISCHARGE PRESSURE		150
4	SUCTION PRESSURE		N/A
5	NOISE		Normal
6	COUPLING		Normal
7	CHECKED FOR WATER LEAK	#	Normal
8	CHECKED PIPE & CONNECTOR		Normal
9	CHECKED PACKING SEAL	#	Normal
10	CHECKED FOR LUBRICATE		Normal
11	CHECKED FOR CORROSION		Normal
12	CLEANED		Normal
13			
14			

CONTROL PANEL

ITEM	DESCRIPTION	
1	CLEANED	Normal
2	LAMP TESTED	Normal
3	CHECKED POWER SUPPLY	Normal
4	BATTERY CHARGER	Normal

CONTROL PANEL(CONTINUE)

ITEM	DESCRIPTION	
5	VOLTS. (CHARGER) BATT.1 / BATT.2	13.2 , 13.1
6	AMP.(CHARGER) BATT.1 / BATT.2	0.5 , 0.5
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	75 Psi

RECOMMENDATION

* Function test pump manual / auto running time in 30 mins.
* เปลี่ยน spare part (31/7/24)
* Battery start using 25/12/24
* Air vent สำหรับ pump no. 2 เสื่อมสภาพ มีน้ำรั่วซึม

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR FIRE PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	TECO ELECT & MACH	MODEL	EEB-UC002			SERIAL No.	C50132-1T
RATING		SPEED	2955			RPM.	
ELECTRICAL SYSTEM	380 VAC	VOLTS.	50	Hz.	150	AMP.	
PUMP BRAND	KSB PUMP	MODEL	B42670012P19820			SERIAL No.	9603128
FLOW RATE	HAED	SUCTION DIA.	6"			DISCHARGE DIA.	6"
DESIGN PRESSURE		SPEED				RPM.	
CONTROL PANEL BRAND	POWER CONTROL	MODEL	FC 3000			SERIAL No.	085-102007
ELECTRICAL SYSTEM	380 VAC	VOLTS.	NEG			GROUND	.....

MONTHLY PREVENTATIVE MAINTENANCE

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	30/31 °C
3	VOLTS	388, 387, 389
4	AMP.	123, 120, 116
5	SPEED RUNNING (RPM.)	2980 RPM
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	33/34 °C
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	100 Psi

RECOMMENDATION

Test auto run electric pump 10 Min

Cleaned to motor pump and check magnatic terminal

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR JOCKEY PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	**GRUNFOS**	MODEL	**TMG.112MB2-MB2-28FT130 C'**			SERIAL No.	**85815313**
RATING	**5.5 HP**	SPEED		**2900**		RPM.	
ELECTRICAL SYSTEM	**380-415**	VOLTS.	**50**	Hz.	**8**	AMP.	
PUMP BRAND	**GRUNFOS**	MODEL	**B42670012 P19820**			SERIAL No.	**9603217**
FLOW RATE	9.5 M3/H	SUCTION DIA.		**1 1/2"**		DISCHARGE DIA.	**1 1/2"**
DESIGN PRESSURE	99.9 M	SPEED		**2900**		RPM.	
CONTROL PANEL BRAND	**POWER CONTROL**	MODEL		FC 3000		SERIAL No.	058-102008
ELECTRICAL SYSTEM	**380-415**	VOLTS.		**NEG**		GROUND	.....

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	32 ^{0}C
3	VOLTS	395, 395, 397
4	AMP	7.7, 7.4, 7.4
5	SPEED RUNNING (RPM.)	2660
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	N/A
3	DISCHARGE PRESSURE	150
4	SUCTION PRESSURE	N/A
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	115 Psi
	CUT OFF	150 Psi

RECOMMENDATION

Cleaned to motor pump and check magnatic terminal

Function tes pump Auto/Manual normal

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE PUMP SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

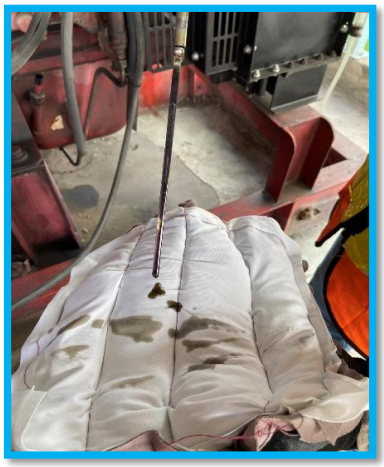
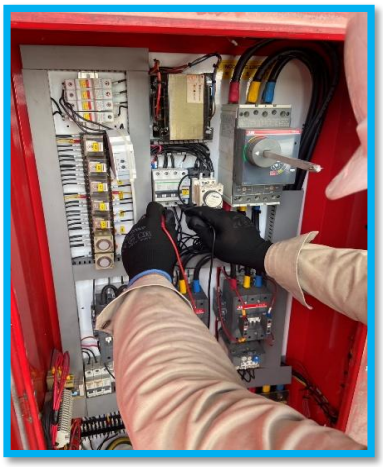

		

Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Standard Reference

For this project, our company will follow inspection and maintenance procedures of fire alarm system and fire fighting system by referring to these standards as detail below.

- NFPA 10 – Standard For Portable Fire Extinguishers
- NFPA 11 – Standard For Foam Extinguishers, Low Expansion
- NFPA 12 – Standard On Carbon Dioxide Extinguishers systems
- NFPA 13 – Standard For The Installation of Sprinkler systems
- NFPA 14 – Standard For Installation of Stand Pipe and Hose Systems
- NFPA 15 – Standard For Water Spray Fixed Systems For Fire Protection
- NFPA 20 – Standard For Installation of Centrifugal Fire Pumps
- NFPA 25 – Standard For The Inspection, Testing, and Maintenance of Water-Based Fire Protection System
- NFPA 30 – Flammable and Combustible Liquids Code
- NFPA 70 – National Electrical Code
- NFPA 72 – National Fire Alarm Code

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

NS BLUESCOPE (THAILAND) LIMITED (MCL3)

Preventive Maintenance for Fire Protection System

On June 2026

Takachiho Fire, Security & Services (Thailand) Limited
1858/110-111 25th Floor Interlink Tower Bangna , Debaratna Rd. Bangna Tai , Bangna , Bangkok 10260 Thailand
Tel. (66-2) 366 9000, Fax. (66-2) 366 9090 www.tkfs.co.th

NSBST (MCL3) Fire Alarm & Fire Suppression Summary Report : June 2026

Pervious month Outstanding update

June 2026 Result

Item	Inspection Description	Point / Device		Location		Recomment	Priority	Status
1	Fire alarm system							
	(Monthly)	Local power supply	Battery = 4 ea	MCL3	Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี	should replace	O Low ● Medium O High	TK เสนอราคา
2	Inergen and Inergen cylinder system							
	(Monthly)	Inergen no. 14104757	Inergen = 1 ถัง	PLC & COMPUTOR RM.	Low pressure	should hydro test and refill	O Low ● Medium O High	TK เสนอราคา
3	Automatic sprinkler & Deluge valve system							
	(Monthly)	Water spray	Battery = 2 ea (12V./18 Ah.)	MCL-3 Coater Room	Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี	should replace	O Low ● Medium O High	TK เสนอราคา
4	Fire Hydrant and Fire Hose Cabinet							
	(Monthly)	Fire hydrant no.6	ท่อ	MCL3	ท่อถูกกัดกร่อนเป็นสนิม	should replace	O Low ● Medium O High	TK เสนอราคา
5	Fire pump system							
	(Monthly)	Engine fire pump no. 1	จอ Display	MCL3	หน้าจอ Display สำหรับตู้ control engine fire pump อุปกรณ์เสีย (จอดำ)	should replace	O Low ● Medium O High	TK เสนอราคา
		Electric motor Jockey pump	Check valve 2"	MCL3	line discharge ข้อต่อเกลียวมีน้ำรั่วซึมถูกกัดกร่อนเป็นสนิม	should replace	O Low ● Medium O High	TK เสนอราคา

Reference report: TAKACHIHO's Inspection Monthly report for NS Bluescope Thailand : June 2026

Review By

Songpon Soontaros
PSV Senior Engineer

Date

Sign Off By

Plant Service & Engineering Project Manager

Date

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INSPECTION, TEST AND PREVENTIVE MAINTENANCE

FOR

Fire Protection and Fire Detection System

Customer : **NS Blue Scope Steel (Thailand) Ltd. (MCL 3)** **Report Date : 3 July 2026**

Inspector By :	1. Subin	Karnna	Service Leader
	2. Pattanasit	Ratanapatarakorn	Technician Service
	3. Somkhid	Khamlai	Technician Service
	4. Anuchit	Phoomee	Technician Service
	5. Perakant	Kumwong	Technician Service

Takachiho Fire, Security & Services (Thailand) Ltd.

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE ALARM SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 29 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

Description	Result	Remark
1. Fire Alarm Control Panel		
1.1 Check condition of fuse control	S	
1.2 Check condition of Lamp & LEDs	S	
1.3 Check power supply for FCP	S	
1.4 Check cable connection / terminal	S	
1.5 Check Alarm Condition / Functio .nn	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
2. Annunciator Panel		
2.1 Check condition of fuse control	S	
2.2 Check condition of Lamp & LEDs	S	
2.3 Check power supply for FCP	S	
2.4 Check cable connection / terminal	S	
2.5 Check Alarm Condition / Function Test	S	
2.6 Visual check condition of battery and housing of battery	S	
2.7 Cleaning of Annunciator Panel	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC POWER 229.9 VAC

Charger control panel 27.43 VDC

Battery back up 27.41 VDC (start 27/6/24)

* Power supply panel box no.1			* Power supply panel box no.2		
AC power supply	:	229.8 VAC	AC power supply	:	229.7 VAC
Battery back up	:	26.59 Vdc. (Start 3/8/23)	Battery back up	:	27.23 Vdc. (Start 3/8/23)
Charge control	:	26.57 Vdc.	Charge control	:	27.21 Vdc.

* Battery back up สำหรับตู้ local power supply อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 4 ลูก

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 29 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	MCL-3 PLC EER. Z1. INERGEN	M3-76	IAM(Inergen Alarm)	S	S	
2	MCL-3 PLC EER. INERGEN DISCHARGE	M3-77	IAM(Inergen Discharge)	S	S	
3	MCL-3 PLC EER. INERGEN TROUBLE	M3-78	IAM(Inergen Trouble)	S	S	
4	MCL-3 EXIT EER. Z1. INERGEN	M3-71	IAM(Inergen Alarm)	S	S	
5	MCL-3 EXIT EER. Z1. INERGEN	M3-72	IAM(Inergen Discharge)	S	S	
6	MCL-3 EXIT EER. Z1. INERGEN	M3-73	IAM(Inergen Trouble)	S	S	
7	MCL-3 MV EER. Z1 INERGEN ALARM	M3-83	IAM(Inergen Alarm)	S	S	
8	MCL-3 MV EER. Z1. INERGEN DISCHARGE	M3-84	IAM(Inergen Discharge)	S	S	
9	MCL-3 MV EER. Z1. INERGEN TROUBLE	M3-85	IAM(Inergen Trouble)	S	S	
10	MCL-3 MV EER. Z1.	M3-79	MANUAL	S	S	
11	MCL-3 MV EER. Z1. NO. 1	M3-81	SMOKE	S	S	
12	MCL-3 MV EER. Z1. NO. 2	M3-82	SMOKE	S	S	
13	MCL-3 EXIT EER. Z1. NO. 2	M3-66	MANUAL	S	S	
14	MCL-3 EXIT EER. Z1. NO. 3	M3-65	SMOKE	S	S	
15	MCL-3 EXIT EER. Z1. NO. 2	M3-64	SMOKE	S	S	
16	MCL-3 EXIT EER. Z1. NO. 1	M3-63	SMOKE	S	S	
17	MCL-3 EXIT EER. Z1. NO. 4	M3-68	SMOKE	S	S	
18	MCL-3 EXIT EER. Z1. NO. 1	M3-61	MANUAL	S	S	
19	MCL-3 EXIT EER. Z1. NO. 5	M3-69	SMOKE	S	S	
20	MCL-3 PLC EER. Z1. NO. 2	M3-75	SMOKE	S	S	
21	MCL-3 PLC EER. Z1. NO. 1	M3-74	SMOKE	S	S	
22	MCL-3 POT EER. Z7. INERGEN	M3-48	IAM(Inergen Trouble)	S	S	
23	MCL-3 POT EER. Z7. INERGEN	M3-46	IAM(Inergen Alarm)	S	S	
24	MCL-3 POT EER. Z7. INERGEN	M3-47	IAM(Inergen Discharge)	S	S	
25	MCL-3 POT EER. Z7. NO.2	M3-45	SMOKE	S	S	
26	MCL-3 POT EER. Z7. NO.1	M3-44	SMOKE	S	S	
27	MCL-3 POT EER. Z7.	M3-42	MANUAL	S	S	
28	MCL-3 ENTRY EER. Z2.	M3-31	IAM(Inergen Alarm)	S	S	
29	MCL-3 ENTRY EER. Z2.	M3-32	IAM(Inergen Discharge)	S	S	
30	MCL-3 ENTRY EER. Z2.	M3-33	IAM(Inergen Trouble)	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 29 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
31	MCL-3 ENTRY EER. Z2. NO.2	M3-29	MANUAL	S	S	
32	MCL-3 ENTRY EER. Z2. NO.1	M3-21	SMOKE DETECTOR	S	S	
33	MCL-3 ENTRY EER. Z2. NO.2	M3-22	SMOKE DETECTOR	S	S	
34	MCL-3 ENTRY EER. Z2. NO.3	M3-23	SMOKE DETECTOR	S	S	
35	MCL-3 WATER TREATMENT Z8.	M3-19	MANUAL	S	S	
36	MCL-3 WATER TREATMENT Z8.	M3-8	MANUAL	S	S	
37	MCL-3 Z6 MANUAL (GRID 34/BC)	M1-1	MANUAL	S	S	
38	MCL-3 Z6 MANUAL (GRID 31/BC)	M1-10	MANUAL	S	S	
39	MCL-3 Z6 MANUAL (GRID 31/BC)	M1-49	MANUAL	S	S	
40	MCL-3 Z6 MANUAL (GRID 34/BC)	M1-45	MANUAL	S	S	
41	MCL-3 Z6 MANUAL (GRID 26/BC)	M1-19	MANUAL	S	S	
42	MCL-3 Z6 MANUAL (GRID 21/BC)	M1-23	MANUAL	S	S	
43	MCL-3 Z5 MANUAL (GRID 18/BC)	M1-29	MANUAL	S	S	
44	MCL-3 Z7 MANUAL (GRID 17/BC)	M3-118	MANUAL	S	S	
45	MCL-3 Z5 MANUAL (GRID 13/BC)	M1-39	MANUAL	S	S	
46	MCL-3 POT PUPIT Z5.	M3-86	MANUAL	S	S	
47	MCL-3 POT PUPIT Z5.	M3-60	SMOKE DETECTOR	S	S	
48	MCL-3 POT PUPIT Z5.	M3-59	SMOKE DETECTOR	S	S	
49	MCL-3 POT PUPIT Z5.	M1-77	MANUAL	S	S	
50	MCL-3 POT PUPIT Z5.	M1-75	MANUAL	S	S	
51	MCL-3 POT PUPIT Z5.	M1-41	MANUAL	S	S	
52	MCL-3 CHEMICAL AREA	M3-100	MANUAL	S	S	
53	MCL-3 COATING OP114	M2-1	MANUAL	S	S	
54	MCL-3 MANUAL Z. 4	M2-22	MANUAL	S	S	
55	MCL-3 MANUAL Z. 4	M2-10	MANUAL	S	S	
56	MCL-3 MANUAL Z. 4	M2-14	MANUAL	S	S	
57	MCL-3 EXIT PULPIT Z. 4	M2-60	MANUAL	S	S	
58	MCL-3 EXIT PULPIT Z. 4	M2-61	SMOKE DETECTOR	S	S	
59	MCL-3 MANUAL Z. 4	M2-30	MANUAL	S	S	
60	MCL-3 MANUAL Z. 4	M2-38	MANUAL	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 29 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
61	MCL-3 MANUAL Z. 5	M2-44	MANUAL	S	S	
62	MCL-3 WET LAB Z. 5	M2-41	SMOKE DETECTOR	S	S	
63	MCL-3 WET LAB Z. 5	M2-40	MANUAL	S	S	
64	MCL-3 MANUAL Z. 5	M1-83	MANUAL	S	S	
65	MCL-3 PIT 6 Z. 11	M3-57	MANUAL	S	S	
66	MCL-3 PIT 6 Z. 11	M3-55	MANUAL	S	S	
67	MCL-3 MANUAL Z. 6	M1-12	MANUAL	S	S	
68	MCL-3 MAMUAL Z. 6	M1-53	MANUAL	S	S	
69	MCL-3 ENTRY PULPIT Z. 6	M1-55	MANUAL	S	S	
70	MCL-3 ENTRY PULPIT Z. 6	M1-56	SMOKE DETECTOR	S	S	
71	MCL-3 MANUAL Z. 6	M1-65	MANUAL	S	S	
72	MCL-3 MANUAL Z. 6	M1-67	MANUAL	S	S	
73	MCL-3 PAINT COATER FL.1	M2-56	MANUAL	S	S	
74	MCL-3 PAINT COATER FL.1	M2-57	SMOKE DETECTOR	S	S	
75	MCL-3 PAINT COATER FL.2	M2-58	MANUAL	S	S	
76	MCL-3 PAINT COATER FL.2	M2-59	SMOKE DETECTOR	S	S	
77	MCL-3 PIT 7 Z. 12	M2-54	MANUAL	S	S	
78	MCL-3 PIT 7 Z. 12	M2-50	MANUAL	S	S	
79	MCL-3 packing pulpit	M2-28	MANUAL	S	S	
80	MCL-3 packing pulpit	M2-29	SMOKE DETECTOR	S	S	
81	MCL-3 Meeting room	M1-63	SMOKE DETECTOR	S	S	
82	MCL-3 Meeting room	M1-64	SMOKE DETECTOR	S	S	
83	MCL-3 pit 6 somke 1	M3-53	SMOKE DETECTOR	S	S	
84	MCL-3 pit 6 somke 2	M3-54	SMOKE DETECTOR	S	S	
85	MCL-3 pit 7 somke 1	M2-52	SMOKE DETECTOR	S	S	
86	MCL-3 pit 7 somke 2	M2-53	SMOKE DETECTOR	S	S	
87	Wast water treatment 4	M3-4	HEAT DETECTOR	S	S	Led ไม่โชว์ (not work)
88	Wast water treatment 5	M3-5	HEAT DETECTOR	S	S	
89	Wast water treatment 9	M3-11	HEAT DETECTOR	S	S	
90	Wast water treatment 10	M3-12	HEAT DETECTOR	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

_____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 29 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
91	Wast water treatment 11	M3-13	HEAT DETECTOR	S	S	
92	Wast water treatment 12	M3-16	HEAT DETECTOR	S	S	
93	WWT LAB pulpit	M3-124	SMOKE DETECTOR	S	S	
94	WWT LAB pulpit	M3-125	MANUAL	S	S	
95	WWT LAB CTRL pulpit	M3-126	SMOKE DETECTOR	S	S	
96	WWT LAB CTRL pulpit	M3-127	MANUAL	S	S	
97	Wast water treatment	M3-7	HEAT DETECTOR	S	S	
98	Wast water treatment	M3-3	HEAT DETECTOR	S	S	
99	Wast water treatment	M3-17	HEAT DETECTOR	S	S	
100	Wast water treatment	M3-18	HEAT DETECTOR	S	S	
101	MCL-3 pit 5 Zone 10 manual	M1-87	MANUAL	S	S	
102	MCL-3 pit 5 Zone 10 manual	M1-90	MANUAL	S	S	
103	MCL-3 Generator z. 7 heat 1	M3-49	HEAT DETECTOR	S	S	
104	MCL-3 Generator z. 7 heat 2	M3-50	HEAT DETECTOR	S	S	
105	MCL-3 Chemical area	M3-94	HEAT DETECTOR	S	S	
106	MCL-3 Chemical area	M3-95	HEAT DETECTOR	S	S	
107	MCL-3 Chemical area	M3-96	HEAT DETECTOR	S	S	
108	MCL-3 Chemical area	M3-97	HEAT DETECTOR	S	S	
109	MCL-3 Chemical area	M3-98	HEAT DETECTOR	S	S	
110	MCL-3 Chemical area	M3-99	HEAT DETECTOR	S	S	
111	MCL3 Fire pump house	M3-87	HEAT DETECTOR	S	S	
112	MCL3 Fire pump house	M3-88	HEAT DETECTOR	S	S	
113	MCL3 Fire pump house	M3-89	HEAT DETECTOR	S	S	
114	MCL3 Fire pump house	M3-90	MANUAL	S	S	
115	MCL3 Toilet 1	M1-57	HEAT DETECTOR	S	S	
116	MCL3 Toilet 1	M1-58	HEAT DETECTOR	S	S	
117	MCL3 Toilet 2	M2-48	HEAT DETECTOR	S	S	
118	MCL3 Toilet 2	M2-49	HEAT DETECTOR	S	S	
119	MCL3 Toilet 3	M2-24	HEAT DETECTOR	S	S	
120	MCL3 Toilet 3	M2-25	HEAT DETECTOR	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 29 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
121	MCL3 DV-LISTED ZONE 1	M1-5	Supervisory valve	S	S	
122	MCL3 DV-LISTED ZONE 2	M1-48	Supervisory valve	S	S	
123	MCL3 DV-LISTED ZONE 3	M1-9	Supervisory valve	S	S	
124	MCL3 DV-LISTED ZONE 4	M1-52	Supervisory valve	S	S	
125	MCL3 DV-LISTED ZONE 5	M1-15	Supervisory valve	S	S	
126	MCL3 DV-LISTED ZONE 6	M1-62	Supervisory valve	S	S	
127	MCL3 DV-LISTED ZONE 7	M1-26	Supervisory valve	S	S	
128	MCL3 DV-LISTED ZONE 8	M1-70	Supervisory valve	S	S	
129	MCL3 DV-LISTED ZONE 9	M1-28	Supervisory valve	S	S	
130	MCL3 DV-LISTED ZONE 10	M1-74	Supervisory valve	S	S	
131	MCL3 DV-LISTED ZONE 11	M1-38	Supervisory valve	S	S	
132	MCL3 DV-LISTED ZONE 12	M1-82	Supervisory valve	S	S	
133	MCL3 DV-LISTED ZONE 13	M1-44	Supervisory valve	S	S	
134	MCL3 DV-LISTED ZONE 14	M2-86	Supervisory valve	S	S	
135	MCL3 DV-LISTED ZONE 15	M2-9	Supervisory valve	S	S	
136	MCL3 DV-LISTED ZONE 16	M2-37	Supervisory valve	S	S	
137	MCL3 DV-LISTED ZONE 17	M2-13	Supervisory valve	S	S	
138	MCL3 DV-LISTED ZONE 18	M2-35	Supervisory valve	S	S	
139	MCL3 DV-LISTED ZONE 19	M2-17	Supervisory valve	S	S	
140	MCL3 DV-LISTED ZONE 20	M2-33	Supervisory valve	S	S	
141	MCL3 DV-LISTED ZONE 21	M2-21	Supervisory valve	S	S	
142	MCL3 DV-LISTED ZONE 22	M3-121	Supervisory valve	S	S	
143	MCL3 DV-LISTED ZONE 23	M3-123	Supervisory valve	S	S	
144	MCL3 AV-LISLED 01	M3-15	Supervisory valve	S	S	
145	MCL3 AV-LISLED 02	M3-52	Supervisory valve	S	S	
146	MCL3 AV-LISLED 03	M3-129	Supervisory valve	S	S	
147	MCL-3 ENTRY EER. Z2. NO.1	M3-24	MANUAL	S	S	
148	MCL-3 ENTRY EER. Z2. NO.4	M3-26	SMOKE DETECTOR	S	S	
149	MCL-3 ENTRY EER. Z2. NO.5	M3-27	SMOKE DETECTOR	S	S	
150	MCL-3 ENTRY EER. Z2. NO.6	M3-28	SMOKE DETECTOR	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 29 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL 3 , SIMPLEX 4100 ES [NODE 5]

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
151	MCL3 AV-LISLED 04	M2-5	Supervisory valve	S	S	
152	MCL3 AV-LISLED 05	M2-63	Supervisory valve	S	S	
153	MCL3 AV-LISLED 06	M1-60	Supervisory valve	S	S	
154	MCL3 AV-LISLED 07	M2-43	Supervisory valve	S	S	
155	MCL3 AV-LISLED 08	M2-27	Supervisory valve	S	S	
156	MCL3 AV-LISLED 09	M3-132	Supervisory valve	S	S	
157	MCL3 TOILET 1-Z6	M1-58	HEAT DETECTOR	S	S	
158	MCL3 PUMP HOUSE M/V	M3-131	Supervisory valve	S	S	
159	MCL3 PUMP HOUSE M/V	M3-117	Supervisory valve	S	S	
160	MCL3 PUMP HOUSE SUP/SW	M3-110	Supervisory valve	S	S	
161	MCL3 PUMP HOUSE SUP/SW	M3-109	Supervisory valve	S	S	
162	MCL3 PUMP HOUSE SUP/SW	M3-111	Supervisory valve	S	S	
163	MCL3 PUMP HOUSE SUP/SW	M3-114	Supervisory valve	S	S	
164	WAST WATER TREATMENT 14	M3-1	HEAT DETECTOR	S	S	
165	WAST WATER TREATMENT 14	M3-2	HEAT DETECTOR	S	S	
166	MCL3 POT PUPIT 2.5	M3-137	SMOKE DETECTOR	S	S	
167	WAST WATER TREATMENT	M3-6	HEAT DETECTOR	S	S	
168	WAST WATER TREATMENT	M3-10	HEAT DETECTOR	S	S	
169	MCL3 (Grid-26-8/BC)	M1-16	Linear heat	S	S	
170	MCL3 (Grid-9/BC)	M2-2	Linear heat	S	S	
171	MCL3 (Grid-34/B)	M1-2	Linear heat	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet (Monthly/Quarterly)
Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 29 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 GAMLING, NOTIFIER (RP-1001)

Description	Normal Status	Result	Remark
1. Fire Alarm Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Annunciator Panel			
2.1 Check condition of fuse control	N/A	N/A	
2.2 Check condition of Lamp & LEDs	N/A	N/A	
2.3 Check power supply for FCP	N/A	N/A	
2.4 Check cable connection / terminal	N/A	N/A	
2.5 Check Alarm Condition / Function Test	N/A	N/A	
2.6 Visual check condition of battery and housing of battery	N/A	N/A	
2.7 Cleaning of Annunciator Panel	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 229.9 VAC
Charger control panel 26.64 Vdc (Start 27/6/25)
Battery back up 26.62 Vdc

* แนะนำ ควรเพิ่ม signal alarm module เพื่อส่งสัญญาณ alarm เข้า main control panel fire alarm

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire Detection and Alarm System

Subject : PM. FIRE ALARM SYSTEM
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 29 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 GAMLING, NOTIFIER (RP-1001)

item	Location	LOOP/ Zone.Number	Type	Inspection Result	Test Result	Remark
1	Manual No.1	Zone 1	Manual	S	S	
2	Manual No.2	Zone 1	Manual	S	S	
3	Manual No.3	Zone 1	Manual	S	S	
4	Manual No.4	Zone 1	Manual	S	S	
5	Manual No.5	Zone 1	Manual	S	S	
6	Manual No.6	Zone 1	Manual	S	S	
7	Manual No.7	Zone 1	Manual	S	S	
8	Manual No.8	Zone 1	Manual	S	S	

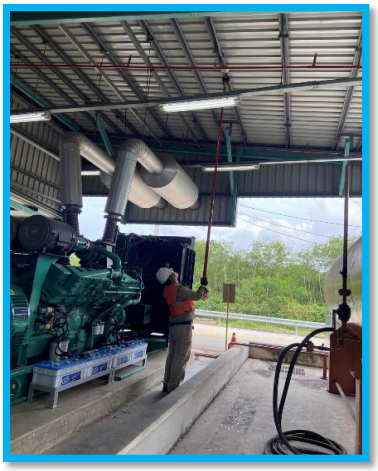
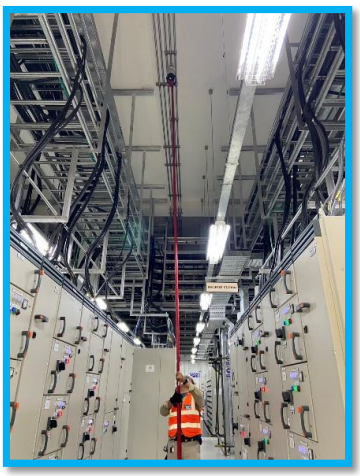
S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: _____

_____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE ALARM SYSTEM

		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INERGEN SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 ENTRY EER. ROOM AUTOPLUS 542R (RCP-01)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel	S	S	
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.3 VAC
Charger control panel 27.22 V.dc
Battery back up 27.19 V.dc (Start using 28/3/26)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 ENTRY EER. ROOM AUTOPLUS 542R (RCP-01)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector to discharge 60 sec.
2	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
3	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
4	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
5	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
6	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
7	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
8	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
9	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
10	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
11	ENTRY EER. ROOM	ZONE.1	SMOKE.1	S	S	
12	ENTRY EER. ROOM	ZONE.2	SMOKE.2	S	S	
13	ENTRY EER. ROOM	ZONE.3	MANUAL.1	S	S	Immediately
14	ENTRY EER. ROOM	ZONE.3	MANUAL.2	S	S	"
15	ENTRY EER. ROOM	ZONE.3	MANUAL.3	S	S	"
16	ENTRY EER. ROOM	ZONE.4	ABORT SW.1	S	S	Original time
17	ENTRY EER. ROOM	ZONE.4	ABORT SW.2	S	S	"
18	ENTRY EER. ROOM	ZONE.4	ABORT SW.3	S	S	"
19	ENTRY EER. ROOM	NAC.1	KEY SW.	S	S	
20	ENTRY EER. ROOM	NAC.2	ALARM BELL	S	S	
21	ENTRY EER. ROOM	NAC.3	STROBE/HORN	S	S	
22	ENTRY EER. ROOM	ZONE.5	PRESSURE SW.	S	S	
23	ENTRY EER. ROOM	NAC.1	SOLENOID VALVE	S	S	
24	ENTRY EER. ROOM		SHUTDOWN AIR	S	S	First alarm to shutdown air

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to immediately

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 POT EER. ROOM AUTOPLUS 542R (RCP-02)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.6 VAC
Charger control panel 27.44 VDC
Battery back up 27.41 VDC (Start using 28/3/26)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 POT EER. ROOM AUTOPLUS 542R (RCP-02)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	POT EER. ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	POT EER. ROOM	ZONE.2	SMOKE.2	S	S	
3	POT EER. ROOM	ZONE.1	SMOKE.1	S	S	
4	POT EER. ROOM	ZONE.2	SMOKE.2	S	S	
5	POT EER. ROOM	ZONE.3	MANUAL.1	S	S	Immediately
6	POT EER. ROOM	ZONE.3	MANUAL.2	S	S	Immediately
7	POT EER. ROOM	ZONE.4	ABORT SW.1	S	S	Original time 60 sec.
8	POT EER. ROOM	ZONE.4	ABORT SW.2	S	S	"
9	POT EER. ROOM	NAC.1	KEY SW.	S	S	
10	POT EER. ROOM	NAC.2	ALARM BELL	S	S	
11	POT EER. ROOM	NAC.3	STROBE/HORN	S	S	
12	POT EER. ROOM	ZONE.5	PRESSURE SW.	S	S	
13	POT EER. ROOM	NAC.1	SOLENOID VALVE	S	S	
14	POT EER. ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown air

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 EXIT EER. ROOM AUTOPLUS 542R (RCP-03)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 227.8 VAC
Charger control panel 27.51 VDC
Battery back up 27.48 VDC (Start using 28/7/25)

*

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 EXIT EER. ROOM AUTOPLUS 542R (RCP-03)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	
3	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	
4	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	
5	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	
6	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	
7	EXIT EER.ROOM	ZONE.3	MANUAL 1	S	S	Immediately
8	EXIT EER.ROOM	ZONE.3	MANUAL 2	S	S	Immediately
9	EXIT EER.ROOM	ZONE.3	MANUAL 3	S	S	"
10	EXIT EER.ROOM	ZONE.4	ABORT.SW 1	S	S	original time 60 sec.
11	EXIT EER.ROOM	ZONE.4	ABORT.SW 2	S	S	"
12	EXIT EER.ROOM	ZONE.4	ABORT.SW 3	S	S	"
13	EXIT EER.ROOM	NAC.1	KEY SW.	S	S	
14	EXIT EER.ROOM	NAC.2	ALARM BELL	S	S	Alarm 2
15	EXIT EER.ROOM	NAC.3	STROBE/HORN	S	S	Alarm 1
16	EXIT EER.ROOM	ZONE.5	PRESSURE SW.	S	S	
17	EXIT EER.ROOM	NAC.1	SOLENOID VALVE	S	S	
18	EXIT EER.ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown
19	EXIT EER.ROOM	ZONE.1	SMOKE.1	S	S	
20	EXIT EER.ROOM	ZONE.2	SMOKE.2	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 PLC EER. ROOM AUTOPLUS 542R (RCP-04)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

Y = Satisfactory N = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.2 VAC
Charger control panel 27.55 Vdc.
Battery back up 27.49 Vdc. (Start using 28/7/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 PLC EER. ROOM AUTOPLUS 542R (RCP-04)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	PLC EER.ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	PLC EER.ROOM	ZONE.2	SMOKE.2	S	S	
3	PLC EER.ROOM	ZONE.1	SMOKE.1	S	S	
4	PLC EER.ROOM	ZONE.2	SMOKE.2	S	S	
5	PLC EER.ROOM	ZONE.3	MANUAL.	S	S	Immediately
6	PLC EER.ROOM	ZONE.4	ABORT.SW	S	S	original time 60 sec.
7	PLC EER.ROOM	NAC.1	KEY SW.	S	S	
8	PLC EER.ROOM	NAC.2	ALARM BELL	S	S	Alarm 2
9	PLC EER.ROOM	NAC.3	STROBE/HORN	S	S	Alarm 1
10	PLC EER.ROOM	ZONE.5	PRESSURE SW.	S	S	
11	PLC EER.ROOM	NAC.1	SOLENOID VALVE	S	S	
12	PLC EER.ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 MV switch ROOM. AUTOPLUS 542R (RCP-05)

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for RCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of RCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	S	S	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check condition of cylinder	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.5 VAC
Charger control panel 27.38 Vdc.
Battery back up 27.32 Vdc. (Start using 28/7/25)

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Inergen)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : MCL-3 MV SWITCH ROOM AUTOPLUS 542R (RCP-05)

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	MV SWITCH ROOM	ZONE.1	SMOKE.1	S	S	cross zone detector discharge 60 sec.
2	MV SWITCH ROOM	ZONE.2	SMOKE.2	S	S	
3	MV SWITCH ROOM	ZONE.1	SMOKE.1	S	S	
4	MV SWITCH ROOM	ZONE.2	SMOKE.2	S	S	
5	MV SWITCH ROOM	ZONE 3	MANUAL	S	S	Immediately
6	MV SWITCH ROOM	ZONE 3	MANUAL	S	S	"
7	MV SWITCH ROOM	ZONE 4	ABORT.SW	S	S	original time 60 sec.
8	MV SWITCH ROOM	ZONE 4	ABORT.SW	S	S	"
9	MV SWITCH ROOM	NAC.1	KEY SW.	S	S	
10	MV SWITCH ROOM	NAC.2	ALARM BELL	S	S	
11	MV SWITCH ROOM	NAC.3	STROBE/HORN	S	S	
12	MV SWITCH ROOM	ZONE.5	PRESSURE SW.	S	S	
13	MV SWITCH ROOM	NAC.1	SOLENOID VALVE	S	S	
14	MV SWITCH ROOM		SHUTDOWN AIR.	S	S	First alarm to shutdown

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : The function test detector system working is properly
* Somke detector cross zone delay times 60 sec.
* Abort switch push to original time 60 sec.
* Manual release push to discharge.

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

INERGEN CYLINDER SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Entry EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL-3 ENTRY EER ROOM	14104043	S	4350 Psi	Aug-17	Oct-25	
2	MCL-3 ENTRY EER ROOM	14103949	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL-3 ENTRY EER ROOM	14103933	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL-3 ENTRY EER ROOM	14104537	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL-3 ENTRY EER ROOM	14104168	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL-3 ENTRY EER ROOM	14103957	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL-3 ENTRY EER ROOM	14104026	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
8	MCL-3 ENTRY EER ROOM	14104020	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL-3 ENTRY EER ROOM	14104100	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL-3 ENTRY EER ROOM	14104196	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL-3 ENTRY EER ROOM	14103998	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL-3 ENTRY EER ROOM	14104014	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL-3 ENTRY EER ROOM	14104015	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL-3 ENTRY EER ROOM	14104108	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL-3 ENTRY EER ROOM	14104013	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
16	MCL-3 ENTRY EER ROOM	14104240	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
17	MCL-3 ENTRY EER ROOM	14104215	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
18	MCL-3 ENTRY EER ROOM	14104202	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
19	MCL-3 ENTRY EER ROOM	14104188	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
20	MCL-3 ENTRY EER ROOM	14104126	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
21	MCL-3 ENTRY EER ROOM	14104008	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
22	MCL-3 ENTRY EER ROOM	14104754	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
23	MCL-3 ENTRY EER ROOM	14103987	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
24	MCL-3 ENTRY EER ROOM	14104110	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
25	MCL-3 ENTRY EER ROOM	14103951	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
26	MCL-3 ENTRY EER ROOM	14104079	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
27	MCL-3 ENTRY EER ROOM	14104129	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
28	MCL-3 ENTRY EER ROOM	14104124	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
29	MCL-3 ENTRY EER ROOM	14104166	S	4350 Psi	Aug-17	Aug-24	
30	MCL-3 ENTRY EER ROOM	14103941	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Entry EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL-3 ENTRY EER ROOM	14183954	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
32	MCL-3 ENTRY EER ROOM	14104569	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
33	MCL-3 ENTRY EER ROOM	14104529	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
34	MCL-3 ENTRY EER ROOM	14104583	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
35	MCL-3 ENTRY EER ROOM	14104568	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
36	MCL-3 ENTRY EER ROOM	14104016	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
37	MCL-3 ENTRY EER ROOM	14103981	S	4350 Psi	Aug-17	Oct-22	
38	MCL-3 ENTRY EER ROOM	14104252	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
39	MCL-3 ENTRY EER ROOM	14104294	S	4350 Psi	Aug-17	Aug-24	
40	MCL-3 ENTRY EER ROOM	14104084	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
41	MCL-3 ENTRY EER ROOM	14104786	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
42	MCL-3 ENTRY EER ROOM	141071912	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
43	MCL-3 ENTRY EER ROOM	14104160	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
44	MCL-3 ENTRY EER ROOM	14104273	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
45	MCL-3 ENTRY EER ROOM	14104268	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
46	MCL-3 ENTRY EER ROOM	14104024	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
47	MCL-3 ENTRY EER ROOM	14104253	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
48	MCL-3 ENTRY EER ROOM	14104101	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
49	MCL-3 ENTRY EER ROOM	14104247	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
50	MCL-3 ENTRY EER ROOM	14104035	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
51	MCL-3 ENTRY EER ROOM	14104142	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
52	MCL-3 ENTRY EER ROOM	14104032	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
53	MCL-3 ENTRY EER ROOM	14104138	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
54	MCL-3 ENTRY EER ROOM	14104157	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
55	MCL-3 ENTRY EER ROOM	14104264	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
56	MCL-3 ENTRY EER ROOM	14104002	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
57	MCL-3 ENTRY EER ROOM	14103977	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
58	MCL-3 ENTRY EER ROOM	13607784	S	112 Psi (Pilot)	Aug-17		over pressure, ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Port EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 PORT EER ROOM	14104037	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 PORT EER ROOM	14104036	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 PORT EER ROOM	14104270	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL 3 PORT EER ROOM	14104281	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 PORT EER ROOM	14103980	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 PORT EER ROOM	14104081	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL 3 PORT EER ROOM	14104287	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
8	MCL 3 PORT EER ROOM	14104544	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL 3 PORT EER ROOM	14104210	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL 3 PORT EER ROOM	14104284	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL 3 PORT EER ROOM	14104254	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL 3 PORT EER ROOM	14104164	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL 3 PORT EER ROOM	14104012	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL 3 PORT EER ROOM	14104060	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL 3 PORT EER ROOM	14104139	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
16	MCL 3 PORT EER ROOM	14104000	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
17	MCL 3 PORT EER ROOM	14104010	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
18	MCL 3 PORT EER ROOM	14104004	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
19	MCL 3 PORT EER ROOM	14104080	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
20	MCL 3 PORT EER ROOM	14104752	S	4350 Psi	Aug-17	Oct-25	
21	MCL 3 PORT EER ROOM	14103915	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
22	MCL 3 PORT EER ROOM	14104785	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
23	MCL 3 PORT EER ROOM	13688607	S	100 bar (Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Exit EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 EXIT EER ROOM	14104149	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 EXIT EER ROOM	14104091	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 EXIT EER ROOM	14104099	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL 3 EXIT EER ROOM	14104007	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 EXIT EER ROOM	14104262	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 EXIT EER ROOM	14104289	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL 3 EXIT EER ROOM	14103949	S	4350 Psi	Aug-17	Oct-25	
8	MCL 3 EXIT EER ROOM	14104293	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL 3 EXIT EER ROOM	14104028	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL 3 EXIT EER ROOM	14104031	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL 3 EXIT EER ROOM	14104019	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL 3 EXIT EER ROOM	14071139	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL 3 EXIT EER ROOM	14056469	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL 3 EXIT EER ROOM	14056611	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL 3 EXIT EER ROOM	14104577	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
16	MCL 3 EXIT EER ROOM	14071800	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
17	MCL 3 EXIT EER ROOM	14104797	S	4350 Psi	Aug-17	Mar-24	
18	MCL 3 EXIT EER ROOM	14104905	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
19	MCL 3 EXIT EER ROOM	14104909	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
20	MCL 3 EXIT EER ROOM	14056837	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
21	MCL 3 EXIT EER ROOM	14071192	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
22	MCL 3 EXIT EER ROOM	14071148	S	4350 Psi	Aug-17	Oct-22	
23	MCL 3 EXIT EER ROOM	14104034	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
24	MCL 3 EXIT EER ROOM	14104027	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
25	MCL 3 EXIT EER ROOM	14104025	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
26	MCL 3 EXIT EER ROOM	14103193	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
27	MCL 3 EXIT EER ROOM	14104045	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
28	MCL 3 EXIT EER ROOM	14104130	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
29	MCL 3 EXIT EER ROOM	14104111	S	4350 Psi	Aug-17	Mar-24	
30	MCL 3 EXIT EER ROOM	14104235	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Exit EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
31	MCL 3 EXIT EER ROOM	14104192	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
32	MCL 3 EXIT EER ROOM	14104083	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
33	MCL 3 EXIT EER ROOM	14104001	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
34	MCL 3 EXIT EER ROOM	14104552	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
35	MCL 3 EXIT EER ROOM	14071980	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
36	MCL 3 EXIT EER ROOM	14104017	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
37	MCL 3 EXIT EER ROOM	14104211	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
38	MCL 3 EXIT EER ROOM	14104216	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
39	MCL 3 EXIT EER ROOM	14104230	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
40	MCL 3 EXIT EER ROOM	14104255	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
41	MCL 3 EXIT EER ROOM	14104259	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
42	MCL 3 EXIT EER ROOM	14071913	S	4350 Psi	Aug-17	Oct-25	
43	MCL 3 EXIT EER ROOM	14104267	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
44	MCL 3 EXIT EER ROOM	14103922	S	4350 Psi	Aug-17	Oct-22	
45	MCL 3 EXIT EER ROOM	13607776	S	100 (Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL THAILAND(MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 MV EER Inergen Room

item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 MV EER ROOM	14103923	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 MV EER ROOM	14103928	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 MV EER ROOM	14103950	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
4	MCL 3 MV EER ROOM	14104102	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 MV EER ROOM	14103934	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 MV EER ROOM	14103929	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
7	MCL 3 MV EER ROOM	14071861	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
8	MCL 3 MV EER ROOM	14071493	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
9	MCL 3 MV EER ROOM	14104557	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
10	MCL 3 MV EER ROOM	14104542	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
11	MCL 3 MV EER ROOM	14104561	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
12	MCL 3 MV EER ROOM	14056466	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
13	MCL 3 MV EER ROOM	14104517	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
14	MCL 3 MV EER ROOM	14056636	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
15	MCL 3 MV EER ROOM	14104248	S	4350 Psi	Aug-17	Oct-22	
16	MCL 3 MV EER ROOM	U8/1UT	S	100 bar(Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK:

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Inergen system
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 20 June 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 PLC & Computor Inergen Room

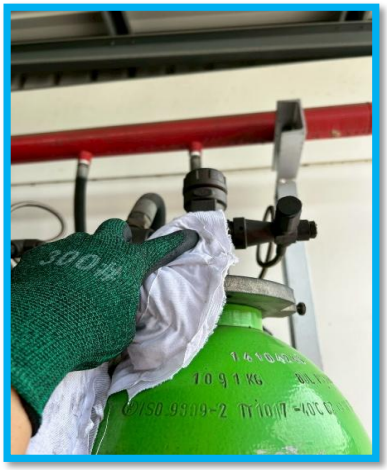
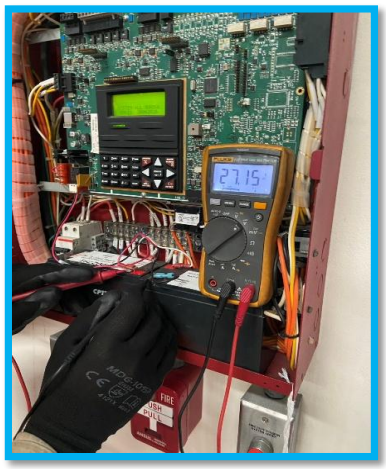
item	Location	Tank no.	Inspect result	Pressure tank	Date of Manufacture	Date of Hydro Test	Remark
1	MCL 3 PLC & COMPUTOR ROOM	14103988	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
2	MCL 3 PLC & COMPUTOR ROOM	14104766	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
3	MCL 3 PLC & COMPUTOR ROOM	14104757	US	0 Psi	Aug-17		ควรนำไป Hydro test และ Refill, low pressure
4	MCL 3 PLC & COMPUTOR ROOM	14104907	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
5	MCL 3 PLC & COMPUTOR ROOM	14104758	S	4350 Psi	Aug-17		ควรนำไป Hydro test และ Refill
6	MCL 3 PLC & COMPUTOR ROOM	U8/2UT	S	100 bar(Pilot)	Aug-17		ควรนำไป Hydro test และ Refill

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

REMARK: No. 14104757 low pressure = 1 ถัง

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST INERGEN SYSTEM

		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DELUGE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

SYSTEM COMPONENTS

[redacted]

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR DELUGE SYSTEM

1 Spray Nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. Pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "

4 Gauges : Note condition of gauges. Record water pressure (PSI)

5 Flow Test : Conduct full flow test. Assure system operates properly and record operation time.

6 Deluge Valve : Internal inspect deluge or preaction valve. Verify that all components operate, properly, move freely and in good condition. If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe un der " Remark "

7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

8 Deluge Supervisory Panel and equipments appear operation. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

AUTOMATIC SPRINKLER SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

DESCRIPTION OF INSPECTION AND TEST FOR AUTOMATIC SPRINKLER SYSTEM(WET PIPE)

1 Sprinkler nozzle : Note condition of all nozzles. If there is no physical damage, no corrosion, and no obstructions, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
2 Piping : Note condition of all piping. If there is no physical damage, no corrosion, no misaligned. pipes and there are no external loads, mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
3 Piping Hangers : Note all pipe hangers. If there is no damage and corrosion, Mark " S " in block of yes. If not, assure corrections are made and briefly describe under " Remark "	S
4 Gauges : Note condition of gauges. Record water pressure (PSI)	
5 Flow Test : Conduct full flow test at test valve for ensure alarm gong or pressure switch work properly in alarm function	
6 Alarm Valve: Internal inspect alarm valve. Verify that all components to proper operate ,move freely and in good condition If so, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under "remark"	S
7 Control Valve : Operate cach control valve through its full range and return to its normal position. (Seal or relock if appropricate) If valve operates properly, mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S
8 Main drain valve: check main drain valve are in close position and no leak	
9 Control Valve Lubrication : Lubricate all valve systems with graphite in oil. Mark " S " in block of yes. If not, assure valve is repaired and briefly describe under " Remark "	S

Inspector By: _____

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **29 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL-3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
1	DV-LISTED ZONE. 1	MCL 3 . BC33	N/A	N/A	S	155	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
2	DV-LISTED ZONE. 2	MCL 3. BE33	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
3	DV-LISTED ZONE. 3	MCL 3 .BC31	N/A	N/A	S	155	150	N/A	N/A	N/A	S	S	S	S	S	N/A	
4	DV-LISTED ZONE. 4	MCL 3 .BE29	N/A	N/A	S	160	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
5	DV-LISTED ZONE. 5	MCL 3 .BC27	N/A	N/A	S	165	170	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-1 Pressure gauge ด้านบนรั่วซึม ด้านล่างรั่วซึม
DV-2 Pressure gauge ด้านบนรั่วซึม ด้านล่างรั่วซึม
DV-5 Pressure gauge ด้านล่างรั่วซึม
DV-3 Pressure gauge ด้านล่างรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **29 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL-3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
6	DV-LISTED ZONE. 6	MCL 3 .BE26	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
7	DV-LISTED ZONE. 7	MCL 3 .BC21	N/A	N/A	S	150	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
8	DV-LISTED ZONE. 8	MCL 3 .BE21	N/A	N/A	S	155	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
9	DV-LISTED ZONE. 9	MCL 3 .BC19	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
10	DV-LISTED ZONE. 10	MCL 3 .BE19	N/A	N/A	S	150	165	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-6 Pressure gauge ด้านล่างรั่วซึม
DV-8 Pressure gauge ด้านล่างรั่วซึม
DV-7 Pressure gauge ด้านล่างรั่วซึม ด้านบนรั่วซึม
DV-9 Pressure gauge ด้านล่างรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **29 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL 3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Lock	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
11	DV-LISTED ZONE. 11	MCL 3 .BC13	N/A	N/A	S	150	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
12	DV-LISTED ZONE. 12	MCL 3 .BE12	N/A	N/A	S	145	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
13	DV-LISTED ZONE. 13	MCL 3 .BC10	N/A	N/A	S	155	165	N/A	N/A	N/A	S	S	S	S	S	N/A	
14	DV-LISTED ZONE. 14	MCL 3 .BE10	N/A	N/A	S	150	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
15	DV-LISTED ZONE. 15	MCL 3 .BC5	N/A	N/A	S	160	155	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-11 Pressure gauge ด้านบนรั่วซึม
DV-12 Pressure gauge ด้านบนรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **29 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : MCL 3

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
16	DV-LISTED ZONE. 16	MCL 3 .BF5	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
17	DV-LISTED ZONE. 17	MCL 3 .BD4	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
18	DV-LISTED ZONE. 18	MCL 3 .BH5	N/A	N/A	S	145	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
19	DV-LISTED ZONE. 19	MCL 3 .BH4	N/A	N/A	S	145	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
20	DV-LISTED ZONE. 20	MCL 3 .BI5	N/A	N/A	S	150	150	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :
DV-18 Pressure gauge ด้านล่างรั่วซึม
DV-20 Pressure gauge ด้านล่างรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **29 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
21	DV-LISTED ZONE. 21	MCL 3 .BI4	N/A	N/A	S	150	160	N/A	N/A	N/A	S	S	S	S	S	N/A	
22	DV-LISTED ZONE. 22	MCL 3 .OP105	N/A	N/A	S	150	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
23	DV-LISTED ZONE. 23	MCL 3 .OP109	N/A	N/A	S	150	155	N/A	N/A	N/A	S	S	S	S	S	N/A	
24	AV-LISLED NO.1	WEST WATER	N/A	N/A	S	145	160	N/A	N/A	S	S	S	S	S	S	N/A	
25	AV-LISLED NO.2	EGD.& POT PULPIT	N/A	N/A	S	150	170	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :
DV-21 Pressure gauge ด้านล่างรั่วซึม
DV-23 Pressure gauge ด้านบนรั่วซึม

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **29 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
26	AV-LISTED NO. 3	COATOR PULPIT	N/A	N/A	S	150	160	N/A	N/A	S	S	S	S	S	S	N/A	
27	AV-LISTED NO. 4	Gamling area	N/A	N/A	S	140	165	N/A	N/A	S	S	S	S	S	S	N/A	
28	AV-LISTED NO. 5	Gamling area	N/A	N/A	S	150	160	N/A	N/A	S	S	S	S	S	S	N/A	
29	AV-LISTED NO. 6	ENTRY WASH	N/A	N/A	S	155	180	N/A	N/A	S	S	S	S	S	S	N/A	
30	AV-LISTED NO. 7	LAB&PROCESS	N/A	N/A	S	150	180	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **29 June 2026**
Inspector : **Subin, Pattanasit, Somkid, Anuchit, Perakant**
Witness : **Khun Songpon, Khun Sonthaya**

Location : Reserve Unit

Item	Description	Location	Previous Test	supervisory system of Main Valve		Pressure Reading (Psi)				Alarm Valve	Control Valve		Piping	Spray Nozzie	Control Panel	Detector Condition	Remark
				Locke	Temper Switch	Water Pressure		Air Pressure			Operation	Lubrication					
						below	above										
31	AV-LISTED NO. 8	MCL 3 .OP 122	N/A	N/A	S	150	185	N/A	N/A	S	S	S	S	S	S	N/A	ไม่มี Relief Valve
32	AV-LISTED NO. 9	MCL 3 .Fire Pump	N/A	N/A	S	160	165	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :

Comment :

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet
Fire suppression system

Subject : PM. Fire Suppression System (Water spray)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 1July 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Coater Room / Local / Fire Fighting System Control Panal

Description	Status	Function test Result	Remark
Electrical system			
1. Releasing Control Panel			
1.1 Check condition of fuse control	S	S	
1.2 Check condition of Lamp & LEDs	S	S	
1.3 Check power supply for FCP and battery	S	S	
1.4 Check cable connection / terminal	S	S	
1.5 Check Alarm Condition / Function Test	S	S	
1.6 Visual check condition of battery and housing of battery	S	S	
1.7 Cleaning of FCP	S	S	
2. Equipment			
2.1 Check condition of all detector and function test zone by zone	S	S	
2.2 Cross zone function test of detector	S	S	
2.3 Check condition of all manual release	S	S	
2.4 Check condition of solenoid and function test	S	S	
2.5 Check condition of all abort switch and function test	N/A	N/A	
2.6 Check cable connection / terminal	S	S	
2.7 Visual check slector valve and function test	S	S	
2.8 Check condition of all alarm device and tested	S	S	
3.Mechanical			
3.1 Check pipe system and nozzle for physical damage.	S	S	
3.2 Check condition of flexible hose	S	S	
3.3 Check the container pressure gauges for operation pressure.	N/A	N/A	
3.4 Check condition of cylinder	N/A	N/A	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : Power supply 232.3 VAC.
Charger 27.39 VDC.
Battery 27.35 VDC. (Start 27/6/24 12V./18 Ah.)

* Function test manual ไม่มีสัญญาณ alarm ส่งไปที่ตู้ control fire alarm

* Battery back up อายุการใช้งานเกิน 2 ปี จำนวน 2 ea

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Preventive Maintenance Check Sheet

Fire suppression system

Subject : PM. Fire Suppression System (Water spray)
Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO : 24 time / 2 year
Inspection Date : 1July 2026
Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Coater Room / Local / Fire Fighting System Control Panal

item	Location	Zone.Number	Type	Test Result	Test trouble signal FCP	Remark
1	Coater Room Fl.1	ZONE.2-1	Flame Detector	S	S	
2	Coater Room Fl.1	ZONE.2-1	Flame Detector	S	S	
3	Coater Room Fl.1	ZONE.2-1	Flame Detector	S	S	
4	Coater Room Fl.1	ZONE.2-1	Flame Detector	S	S	
5	Coater Room Fl.1	ZONE.2-1	Manual Release	S	S	
6	Coater Room Fl.1	ZONE.2-1	Manual Release	S	S	
7	Coater Room Fl.1	ZONE.2-1	Manual Release	S	S	
8	Coater Room Fl.1	ZONE.2-1	Pressure SW.	S	S	
9	Coater Room Fl.1	ZONE.2-1	Alarm Horn	S	S	
10	Coater Room Fl.1	ZONE.2-1	Section Valve	S	S	
11	Coater Room Fl.2	ZONE.2-2	Flame Detector	S	S	Pressure Sw. ทำงานไฟป้ายถึงดัด
12	Coater Room Fl.2	ZONE.2-2	Flame Detector	S	S	
13	Coater Room Fl.2	ZONE.2-2	Flame Detector	S	S	
14	Coater Room Fl.2	ZONE.2-2	Flame Detector	S	S	
15	Coater Room Fl.2	ZONE.2-2	Manual Release	S	S	
16	Coater Room Fl.2	ZONE.2-2	Manual Release	S	S	
17	Coater Room Fl.2	ZONE.2-2	Manual Release	S	S	
18	Coater Room Fl.2	ZONE.2-2	Pressure SW.	S	S	
19	Coater Room Fl.2	ZONE.2-2	Alarm Horn	S	S	
20	Coater Room Fl.2	ZONE.2-2	Section Valve	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark : - Flame detector (Mode auto) Alarm 1 ตัว section valve ทำงานทันที ระบบ shut down ทำงาน
- Flame detector (Mode auto) Alarm 1 ตัว section valve ไม่ทำงาน pump ไม่ทำงาน ระบบ shut down ทำงานปกติ
- Manual release (Mode auto) Alarm section valve ทำงาน pump ทำงาน ระบบ shut down ไม่ทำงาน
- Manual release (Mode manual) Alarm section valve ทำงาน pump ทำงาน ระบบ shut down ไม่ทำงาน

TAKACHIHO

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST AUTOMATIC SPRINKLER SYSTEM

Figure 1.
Remark :

Figure 2.
Remark :

Figure 3.
Remark :

Figure 4.
Remark :

Figure 5.
Remark :

Figure 6.
Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand)
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HYDRANT SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
Date : 29 June 2026
Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8		
		MCL-3	*MCL-3*	*MCL-3*	*MCL-3*	*MCL-3*	*MCL-3*	*MCL-3 Gamling*	*MCL-3 Gamling*		
Flangs	- Corrosion	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		
	- Gasket	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		
	- Bolt&Nut	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		
Piping	- Corrosion	**S**	**S**	**S**	**S**	**S**	**US**	**S**	**S**		
	- Thread	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Valve	- Handle	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Stem Packing	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Corrosion	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
Coupling	- Seal Condition	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Leakage	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	- Connector Locker	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		
	-Cap	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**		

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark: 1. Fire hydrant no.6 ท่อถูกกัดกร่อนเป็นสนิม

2. Fire hydrant no. 5 ยังไม่ได้เปิด main valve ใช้งาน

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HYDRANT SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand)
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE CABINET

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE CABINET

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Contractor Name: PM. Fire Protection System

Area : NS blue scope steel

Date : 29 June 2026

Site : Rayong

Description		Equipment No.									REMARKS
		NO.4	NO.5								
		MCL-3	*MCL-3*								
Cabinet	- Corrosion	**S**	**S**								
	- Door	**S**	**S**								
	- Key lock	**S**	**S**								
support	- Corrosion	**S**	**S**								
	Condition	**S**	**S**								
hose	Coupling	**S**	**S**								
	Connector Locker	**S**	**S**								
	Seal condition	**S**	**S**								
	Hydrostatic test 300 psi size 1.5"	**N/A**	**N/A**								
	Hydrostatic test 300 psi size 2.5"	**มีสาย2เส้นหัวฉีด1**	**มีสาย2เส้นหัวฉีด1**								
nozzel	- Leakage	**S**	**S**								
	- Condition	**S**	**S**								
	- Corrosion	**S**	**S**								

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE CABINET SYSTEM

Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand)
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 29 June 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9	
		MCL-3 BC30	*MCL-3 BC25*	*MCL-3 BC20*	*MCL-3 BC13*	*MCL-3 BC8*	*MCL-3 BC4*	*MCL-3 BI4*	*MCL-3 BE8*	*MCL-3 BE16*	
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	S	S	S	S	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzel	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 29 June 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.10	NO.11	NO.12	NO.13	NO.14	NO.15	NO.16	NO.17	NO.18	
		MCL-3 BE25	*MCL-3 BE34*	*MCL-3 West water*	*MCL-3 west water*	*MCL-3 Gamling*	*MCL-3 gamling*	*MCL-3 Gamling*	*MCL-3 Gamling*	*MCL-3 Gamling*	
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Support	- Corrosion	S	S	S	S	S	S	S	S	S	
	Condition	S	S	S	S	S	S	S	S	S	
Component	Control valve condition	S	S	S	S	S	S	S	S	S	
	Connector Locker	S	S	S	S	S	S	S	S	S	
	Seal condition	S	S	S	S	S	S	S	S	S	
	Pipe system is in good condition	S	S	S	S	S	S	S	S	S	
	all hose and hose valve is in good condition	S	S	S	S	S	S	S	S	S	
Nozzle	- Leakage	S	S	S	S	S	S	S	S	S	
	- Condition	S	S	S	S	S	S	S	S	S	
	- Corrosion	S	S	S	S	S	S	S	S	S	

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 29 June 2026

Project name: PM. Fire Protection System

Site : Rayong

Description		Equipment No.									REMARKS
		NO.19	NO.20	NO.21	NO.22	NO.23	NO.24	NO.25			
		MCL-3 FL.1	*MCL-3 FL.2*	*MCL-3 FL.3*	*MCL-3 FL.4*	*MCL-3 FL.5*	*MCL-3 FL.6*	*MCL-3 FL.7*			
Cabinet	- Corrosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	- Door	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	- Key lock	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Support	- Corrosion	S	S	S	S	S	S	S			
	Condition	S	S	S	S	S	S	S			
Component	Control valve condition	S	S	S	S	S	S	S			
	Connector Locker	S	S	S	S	S	S	S			
	Seal condition	S	S	S	S	S	S	S			
	Pipe system is in good condition	S	S	S	S	S	S	S			
	all hose and hose valve is in good condition	S	S	S	S	S	S	S			
Nozzle	- Leakage	S	S	S	S	S	S	S			
	- Condition	S	S	S	S	S	S	S			
	- Corrosion	S	S	S	S	S	S	S			

S = Satisfactory US = Unsatisfactory N/A = Not Applicable

Remark:

Checked by : *Subin, Pattanasit, Somkid, Anuchit, Perakant*

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE HOSE REEL SYSTEM

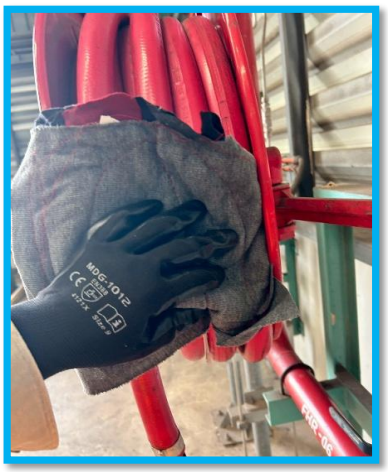


Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Tel : 02-366 -9000 , FAX : 02-366-9090
www.tkfs.co.th

FIRE PUMP

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ENGINE FIRE PUMP SYSTEM NO.1

PROJECT NAME : BLUE SCOPE STEEL THAILAND (MCL 3) **LOCATION :** RAYONG ,THAILAND.

ENGINE BRAND	**JOHN DEERE**	MODEL	**6090HFC47**	SERIAL No.	**RG6090L130015**
RATING	**-**	SPEED	**1760**	RPM.	
PUMP BRAND	**PENTAIR**	MODEL	**8-491-18A**	SERIAL No.	**17-2508720**
FLOW RATE	**3000 GPM**	SUCTION DIA.	**12"**	DISCHARGE DIA.	**8"**
DESIGN PRESSURE	**125**	SPEED	**1760**	RPM.	
CONTROL PANEL BRAND	**FIRE TROL**	MODEL	**FTA1100-JL12N**	SERIAL No.	**1546968-01RE**
ELECTRICAL SYSTEM	**AC**	VOLTS.	**220**	GROUND	NEG

MONTHLY PREVENTATIVE MAINTENANCE

ENGINE

ITEM	DESCRIPTION	
1	WATER TEMPERATURE	172 °F
2	WATER LEVEL	Normal
3	OIL LEVEL	Normal
4	OIL PRESSURE	42 Psi
5	VOLTS. (CHARGING ALTERNATOR)	13.8 / 14.0
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	1748
8	HOUR RUNNING	41.5
9	FUEL LEVEL 3 / 4 OR 80%	85%
10	BATTERY ELECTROLYTE	Normal
11	CHECKED FOR WATER LEAK	Normal
12	CHECKED FOR FUEL LEAK	Normal
13	CHECKED FOR OIL LEAK	Normal
14	CLEANED	Normal

PUMP

ITEM	DESCRIPTION		
1	VISUAL CHECKED		Normal
2	BEARING TEMPERATURE		42/60 °C
3	DISCHARGE PRESSURE		150 Psi
4	SUCTION PRESSURE		0.5 Psi
5	NOISE		Normal
6	COUPLING		Normal
7	CHECKED FOR WATER LEAK	#	Normal
8	CHECKED PIPE & CONNECTOR		Normal
9	CHECKED PACKING SEAL	#	Normal
10	CHECKED FOR LUBRICATE		Normal
11	CHECKED FOR CORROSION		Normal
12	CLEANED		Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	CLEANED	Normal
2	LAMP TESTED	Normal
3	CHECKED POWER SUPPLY	Normal
4	BATTERY CHARGER	Normal

CONTROL PANEL(CONTINUE)

ITEM	DESCRIPTION	
5	VOLTS. (CHARGER) BATT.1 / BATT.2	N/A
6	AMP.(CHARGER) BATT.1 / BATT.2	N/A
7	CHECKED FOR CORROSION	Abnormal
8	START AT PRESSURE	120 Psi

RECOMMENDATION

*Check condition of pump and cleaning

*function test manual/auto the pump is working properly

* Replace spare part 27/6/24

Start using battery 2/7/24

* จอ Display สำหรับตู้ control engine fire pump อุปกรณ์เสีย (จอดำ)

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR FIRE PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND (MCL3) **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	**MARATHON**	MODEL	**SF 449TSTFS14542AA W.**			SERIAL No.	**WAA111229**
RATING		SPEED	**1485**			RPM.	
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**	Hz.	**50**	AMP.	410
PUMP BRAND	**PENTAIR**	MODEL	**10-471-20B**			SERIAL No.	**17-2517080**
FLOW RATE	**3000 GPM**	SUCTION DIA.	**12"**			DISCHARGE DIA.	**10"**
DESIGN PRESSURE		SPEED				RPM.	
CONTROL PANEL BRAND	**FIRE TROL**	MODEL	**FTA1300-AM300FZ**			SERIAL No.	**1547587-01RE**
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**			GROUND	NEG.

MONTHLY PREVENTATIVE MAINTENANCE

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	Normal
3	VOLTS	385 / 381 / 385
4	AMP.	257 / 276 / 259
5	SPEED RUNNING (RPM.)	1493
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	34/34 °C
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0.2 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	130 Psi

RECOMMENDATION

Check condition of pump and cleaning

*function test manual/auto the pump is working properly

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

MAINTENANCE & INSPECTION CHECKLIST
ELECTRIC MOTOR JOCKEY PUMP SYSTEM

PROJECT NAME : BLUE SCOPE STEEL THAILAND (MCL 3) **LOCATION :** RAYONG ,THAILAND.

MOTOR BRAND	**WEG**	MODEL	**W21-AL112M-02**			SERIAL No.	**1035756327**
RATING		SPEED	**2870**			RPM.	
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**	Hz.	**50**	AMP.	**8.18**
PUMP BRAND	**PENTAIR**	MODEL	**PVMI5-22-F-TI1-50**			SERIAL No.	**211000275-1/1**
FLOW RATE	**2.5-8.5 m3/h**	SUCTION DIA.	**1 1/2"**			DISCHARGE DIA.	**1 1/2"**
DESIGN PRESSURE	**142-69 m**	SPEED	**2900**			RPM.	
CONTROL PANEL BRAND	**FIRE TROL**	MODEL				SERIAL No.	
ELECTRICAL SYSTEM	**AC**	VOLTS.	**380**			GROUND	**NEG**

MOTOR

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	34 °C
3	VOLTS	399 / 390 / 394
4	AMP	6.1 / 6.3 / 5.3
5	SPEED RUNNING (RPM.)	2930
6	MOTOR VENTILATION	Normal
7	LUBRICATING	Normal
8	CORROSION	Normal
9	NOISE	Normal
10	ANTIVIBRATION MOUNTING	Normal
11	CLEANED	Normal
12		

PUMP

ITEM	DESCRIPTION	
1	VISUAL CHECKED	Normal
2	BEARING TEMPERATURE	Normal
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0.4 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK	Normal
8	CHECKED PIPE & CONNECTOR	Normal
9	CHECKED PACKING SEAL	Normal
10	CHECKED FOR LUBRICATE	Normal
11	CHECKED FOR CORROSION	Normal
12	CLEANED	Normal

CONTROL PANEL

ITEM	DESCRIPTION	
1	VISUAL CHECK	Normal
2	CLEANED	Normal
3	CHECKED POWER SUPPLY	Normal
4	CHECKED SIGNAL LAMP	Normal

CONTROL PANEL (CONTINUE)

ITEM	DESCRIPTION	
5	CONTROL SIGNAL TESTED	Normal
6	MAGNATIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	135 Psi
	CUT OFF	150 Psi

RECOMMENDATION

Check condition of pump and cleaning

*function test manual/auto the pump is working properly

* Check valve ขนาด 2" line discharge ข้อต่อเกลียวมีน้ำรั่วซึมถูกกัดกร่อนเป็นสนิม

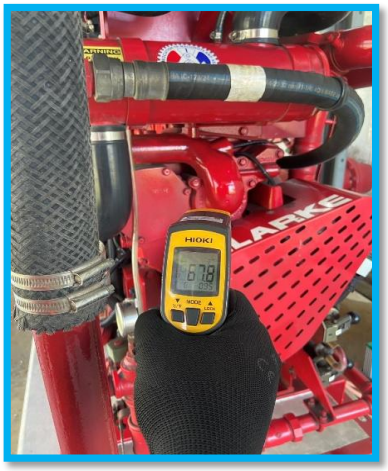
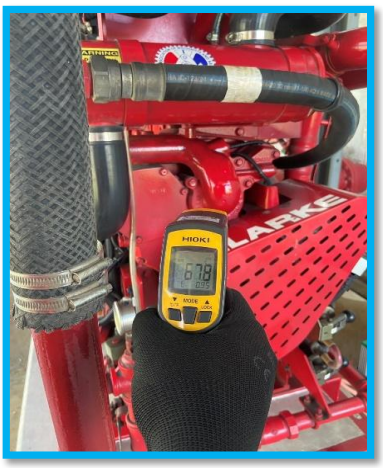
Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jun-26

Takachiho Fire, Security & Services (Thailand) Limited

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

FUNCTION TEST FIRE PUMP SYSTEM

		
Figure 1.	Figure 2.	Figure 3.
Remark :	Remark :	Remark :
		
Figure 4.	Figure 5.	Figure 6.
Remark :	Remark :	Remark :
Figure 7.	Figure 8.	Figure 9.
Remark :	Remark :	Remark :

TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

Takachiho Fire, Security & Services (Thailand) Ltd.
1858/110-111 Interlink Tower Bangna 25 Fl.,
Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.
Telephone no. : 02-366 -9000
Facsimile no. : 02-366-9090
www.tkfs.co.th

Standard Reference

For this project, our company will follow inspection and maintenance procedures of fire alarm system and fire fighting system by referring to these standards as detail below.

- NFPA 10 – Standard For Portable Fire Extinguishers
- NFPA 11 – Standard For Foam Extinguishers, Low Expansion
- NFPA 12 – Standard On Carbon Dioxide Extinguishers systems
- NFPA 13 – Standard For The Installation of Sprinkler systems
- NFPA 14 – Standard For Installation of Stand Pipe and Hose Systems
- NFPA 15 – Standard For Water Spray Fixed Systems For Fire Protection
- NFPA 20 – Standard For Installation of Centrifugal Fire Pumps
- NFPA 25 – Standard For The Inspection, Testing, and Maintenance of Water-Based Fire Protection System
- NFPA 30 – Flammable and Combustible Liquids Code
- NFPA 70 – National Electrical Code
- NFPA 72 – National Fire Alarm Code