

ภาคผนวกที่ 36-1

เอกสารการตรวจสอบอุปกรณ์ดับเพลิง

NS BLUESCOPE (THAILAND) LIMITED

Preventive Maintenance for Fire Protection System

On January 2026

Takachiho Fire, Security & Services (Thailand) Limited

1858/110-111 25th Floor Interlink Tower Bangna , Debaratna Rd. Bangna Tai , Bangna , Bangkok 10260 Thailand
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INSPECTION, TEST AND PREVENTIVE MAINTENANCE

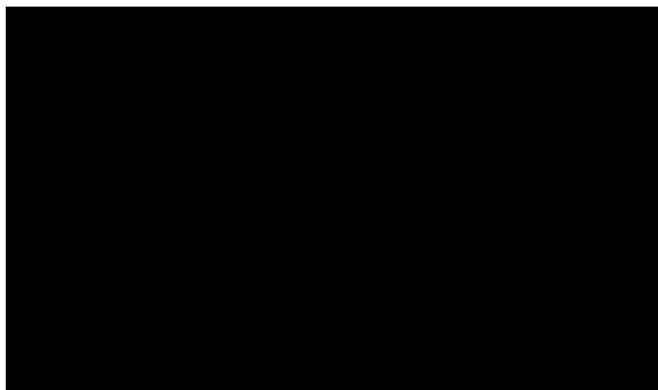
FOR

Fire Protection and fire Detection System

Customer : NS Blue Scope Steel Thailand

Report Date : 3 February 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 Fire Alarm & Fire Suppression Summary Report : January 2026
Pervious month Outstanding update
January 2026 Result

Item	Inspection Description	Point / Device		Location	Problem	Recomment	Priority			Status
1	Fire alarm system (Monthly)	Function system is working normally.								
2	Inergen system (Monthly)	Inergen cylinder	Inergen = 61 ตั้ง	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 ตั้ง	PKL EER RM.	Low pressure	should hydro test and refill	☐ 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	TK เสนอราคา
4	CO2 system (Monthly)	Function system is working normally.								
5	Nitrogen system (Monthly)	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 ตั้ง	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	
		N2 cylinder (NCP no. 1,2, 6)	Smoke detector = 7 ea	Main EER server & computer room, Entry main EER room (MCL2)	Test ไม่ส่ง alarm (เสีย)	Should replace	☐ Low	☒ Medium	☐ High	
6	Automatic sprinkler & Deluge valve system (Monthly)	Deluge valve	Battery = 4 ea	CPL plant store lower , CPL plant store upper	อายุการใช้งานเกินมาตรฐาน 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
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	☐ Low	☒ Medium	☐ 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	☐ Low	☒ Medium	☐ High	
		Fire hydrant No.14	ฝา cap	canteen	ฝา cap แตกชำรุด 1 ea	Should replace	☐ Low	☒ Medium	☐ High	
8	Fire pump system (Monthly)	Enging pump no.2	หม้อน้ำ	enging pump	แผนระบุความร้อนหม้อน้ำมีน้ำรั่วซึมขณะทดสอบเครื่องยนต์	Should replace	☐ Low	☒ Medium	☐ High	แก้ไขแล้ว



NSBST Fire Alarm & Fire Suppression Summary Report : January 2026
Pervious month Outstanding update
January 2026 Result

Item	Inspection Description	Point / Device	Location	Problem	Recommment	Priority	Status
9	Emergency light & Exit light (Every One Months)	Emergency Light					
		No. 3, 21, 44, 48, 91, 136	อุปกรณ์เสีย = 6 ea	All area	อุปกรณ์เสีย	should replace	TK เสนอราคา
		No. 12, 23, 74, 84, 123, 133, 134, 135, 146, 153, 169	Back-up batteries = 11 ea (12 V. / 7.5 Ah.)	All area	Battery deterioration	should replace	TK เสนอราคา
		Emergency Exit Light					
		No. 4, 5, 6, 9, 16, 20, 25, 31, 34, 35, 36, 38, 39, 40, 41, 43, 46, 49, 50, 60, 64, 69, 71, 72, 75, 78, 88, 91, 92, 93	Back-up batteries = 30 ea (3.6 V. / 1800 mAh.)	All area		should replace	TK เสนอราคา
10	Portable Extinguisher (Every Three Months)	No. 83	อุปกรณ์เสีย = 1 ea	All area	Battery deterioration	should replace	TK เสนอราคา
		Dry No. 104	Dry chemical	MCL-1	position's sign is not install	Should install	TK เสนอราคา
		Dry No. 141, 205	Dry chemical	MCL-2 OP/81, MCL-2 Cooling Tower	ถังเป็นสนิม	Should replace	TK เสนอราคา
		Dry Chemical	Dry chemical = 53 ถัง		อายุการใช้งานเกิน 5 ปี	Should replace	TK เสนอราคา
		Dry no. 3	Pressure gauge	Work shop OP08	Pressure gauge ชำรุด	Should replace	TK เสนอราคา
		Dry no. 23, 38	Dry chemical	CELA UNDER GROUND OPERATION BLDG.	Low pressure	Should replace	TK เสนอราคา
		CO2 No. 22	CO2	CRM Exit Door OP35	position's sign is break	should replace	
		CO2 No. 96	CO2	MCL-1	position's sign is not install	Should install	
		CO2 No. 13, 17	CO2	PKL EER rm., PKL ExitDoor	มีฉนวนถังเป็นสนิม	Should replace	TK เสนอราคา
		CO2	CO = 36 ถัง		อายุการใช้งานเกิน 5 ปี	Should replace	TK เสนอราคา
		Foam No. 237	Pressure gauge	CPL Store Chemical	Pressure gauge แตกชำรุด	Should replace	TK เสนอราคา

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

Review By

Date

Sign Off By

Date

Songpon Soontaros
PSV Senior Engineer

Plant Service & Engineering Project Manager

FIRE ALARM SYSTEM

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 January 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
<u>1. Fire Alarm Control Panel</u>		
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	
<u>2. Annunciator Panel</u>		
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 27.21 VDC

Battery back up 27.19 VDC (start 26/6/25) 12V 18Ah

TAKACHIHO

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 January 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 training 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: * เปลี่ยน module signal point M1-20 = 1 ea (24/6/25)

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 January 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]

[illegible]

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

Remark: _____

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 January 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 27.35 VDC

Battery back up 27.30 VDC (start 26/6/25) 12V 18Ah

Local Power Supply Support Building

AC POWER : 228.7 VAC

Charger control panel : 27.15 VDC

Battery Back Up : 27.11 VDC

Battery Start : 26/6/25

TAKACHIHO

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 January 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: _____

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 January 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: _____

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 22 January 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]

[illegible]

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

Remark: _____

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 January 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	MCI. 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 (เก้าอี้)	M3-96	MANUAL	S	S	
26	Canteen (เก้าอี้)	M3-96	MANUAL	S	S	
27	Canteen (เก้าอี้)	M3-97	HEAT	S	S	
28	Canteen (เก้าอี้)	M3-97	HEAT	S	S	
29	Canteen (เก้าอี้)	M3-97	HEAT	S	S	
30	Canteen (เก้าอี้)	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)

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REF.Contract NO : SC1000320

Inspection Date : 22 January 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]

[illegible]

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

Remark:

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 January 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	ห้อง 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:

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 22 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

Remark:

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 January 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 27.18 VDC

Battery back up 27.16 VDC

* Battery start 26/6/25 12V 18Ah

TAKACHIHO

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 January 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 compreser- mac	M2-8	MANUAL	S	S	
15	Air compreser- mac	M2-8	MANUAL	S	S	
16	Air compreser- 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: _____

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 January 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: _____

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 January 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 Supervisory	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 แห้ง	S	S	
72	SOLID WASTE	M2-12	HEAT แห้ง	S	S	
73	SOLID WASTE	M2-12	HEAT แห้ง	S	S	
74	SOLID WASTE	M2-12	HEAT แห้ง	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 แห้ง	S	S	
87	CPL PAINT STORE	M1-25	HEAT แห้ง	S	S	
88	CPL PAINT STORE	M1-25	HEAT แห้ง	S	S	
89	CPL PAINT STORE	M1-25	HEAT แห้ง	S	S	

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

Remark: _____

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 January 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 storage wast zone 6	M3-34	MANUAL	S	S	
2	Mcl-2 coil and storage wast zone 6	M3-35	MANUAL	S	S	
3	Mcl-2 coil and storage wast zone 6	M3-36	MANUAL	S	S	
4	Mcl-2 coil and storage wast zone 6	M3-37	MANUAL	S	S	
5	Mcl-2 coil and storage central zone 5	M3-33	MANUAL	S	S	
6	Mcl-2 coil and storage central zone 5	M3-29	MANUAL	S	S	
7	Mcl-2 coil and storage east zone 4	M3-23	MANUAL	S	S	
8	Mcl-2 coil and storage east zone 4	M3-24	MANUAL	S	S	
9	Mcl-2 coil and storage 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 storage east zone 4	M3-27	MANUAL	S	S	
12	Mcl-2 coil and storage east zone 4	M3-28	MANUAL	S	S	
13	Mcl-2 Ingot storage Zone 3	M3-16	MANUAL	S	S	
14	Mcl-2 Ingot storage Zone 3	M3-17	MANUAL	S	S	
15	Mcl-2 Ingot storage Zone 3	M3-18	MANUAL	S	S	
16	Mcl-2 coil and storage 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 storage 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 storage central zone 5	M3-31	MANUAL	S	S	
21	Mcl-2 coil and storage 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 :

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 22 January 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

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

Remark :

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 January 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 229.6 VAC

Charger control panel 27.30 V.dc

Battery back up 27.28 V.dc start using 26/6/25

TAKACHIHO

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 January 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

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 January 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
<u>1. Fire Alarm Control Panel</u>			
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	
<u>2. Annunciator Panel</u>	S	S	
2.1 Check condition of fuse control			
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 229.5 VAC

Charger control panel 27.46 Vdc.

Battery back up 27.41 Vdc. (Start 26/6/25) 12V 7.5 Ah.

TAKACHIHO

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 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

FUNCTION TEST FIRE ALARM SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

INERGEN SYSTEM

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 January 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>	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	
<u>2. Equipment</u>			
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	
<u>3. Mechanical</u>			
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 27.05 Vdc.

Battery back up 27.02 Vdc. (start using 5/3/24)

TAKACHIHO

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 January 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

[illegible]

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

Remark : clean and test detector function test o.k

* 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 horn တံဘဲ, Alarm 2 stobe light တံဘဲ

* Manual release strobe horn active

TAKACHIHO

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 January 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 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 27.16 VDC

Battery back up 27.14 VDC (start using 20/11/24)

TAKACHIHO

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 January 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

[illegible]

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

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 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM SAVER COMPUTER 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 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 227.8 VAC

Charger control panel 27.19 VDC

Battery back up 27.09 VDC (start using 20/11/24)

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 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

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

Remark : clean and test detector function test normal

* Smoke detector cross zone delay times 30 sec.

* Abort switch push to remain 10 sec.

* Manual release push to delay times 30 sec.

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 January 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 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 230.6 VAC

Charger control panel 27.35 V.dc

Battery back up 27.32 V.dc Start using (20/11/24)

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 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

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

Remark : clean and test detector function test normal

* Smoke detector cross zone delay times 30 sec.

* Abort switch push to remain 10 sec.

* Manual release push to delay times 30 sec.

TAKACHIHO

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 January 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 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 231.4 VAC

Charger control panel 27.18 V.dc

Battery back up 27.15 VDC (start using 20/11/24)

TAKACHIHO

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 January 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

[illegible]

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

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 January 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 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 229.2 VAC
Charger control panel 27.63 V.dc
Battery back up 27.61 Vdc (start using 27/01/25)

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

TAKACHIHO

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 January 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

[illegible]

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

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 January 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 condition of 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 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 227.5 VAC

Charger control panel 26.84 Vdc.

Battery back up 26.81 Vdc. (Start using 27/01/25)

TAKACHIHO

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 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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 : Strobe ดังเป็น pulse

* Alarm 1 : Stobe ตั้งเป็น pulse / bell ดังยาว

* Discharge : Stobe ตั้งยาว / bell ตั้งยาว

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 January 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	ควรมานำไป Hydro test และ Refill
2	CRM EER Room	661141	S	160 bar	Mar-97	Jul-18	ควรมานำไป Hydro test และ Refill
3	CRM EER Room	661362	S	175 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
4	CRM EER Room	661130	S	150 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
5	CRM EER Room	661240	S	170 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
6	CRM EER Room	661300	S	160 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
7	CRM EER Room	661330	S	160 bar	Mar-97	Jul-18	ควรมานำไป Hydro test และ Refill
8	CRM EER Room	661270	S	160 bar	Mar-97	Jul-18	ควรมานำไป 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	ควรมานำไป Hydro test และ Refill
11	CRM EER Room (Master)	661136	S	170 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
12	PKL EER Room	661100	S	155 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
13	PKL EER Room (Master)	661123	S	175 bar	Mar-97	Dec-13	ควรมานำไป 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	ควรมานำไป Hydro test และ Refill
16	PKL EER Room	661218	S	171 bar	Mar-97	Jul-18	ควรมานำไป Hydro test และ Refill
17	PKL EER Room	661131	S	175 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
18	PKL EER Room	661111	S	165 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
19	PKL EER Room	661091	S	169 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
20	PKL EER Room	661160	S	170 bar	Mar-97	Dec-13	ควรมานำไป 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	ควรมานำไป Hydro test และ Refill
24	EER Room (Computer CRM RM)	661404	S	170 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
25	EER Room (Computer CRM RM)	661067	S	170 bar	Mar-97	Dec-13	ควรมานำไป 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: ควรมานำไป 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

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 January 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	ควรนำใบ 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	ควรนำใบ Hydro test และ Refill
17	MCL1 EER ROOM	661367	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
18	MCL1 EER ROOM	661172	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
19	MCL1 EER ROOM	661166	S	160 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
20	MCL1 EER ROOM	661150	S	153 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
21	MCL1 EER ROOM	661337	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
22	MCL1 EER ROOM	661299	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
23	MCL1 EER ROOM	661147	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
24	MCL1 EER ROOM	661225	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
25	MCL1 EER ROOM	661226	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
26	MCL1 EER ROOM	661315	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
27	MCL1 EER ROOM	661207	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
28	MCL1 EER ROOM	661265	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
29	MCL1 EER ROOM	661377	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
30	MCL1 EER ROOM	661291	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill

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

REMARK: **ควรนำใบ Hydro test และ Refill ในจำนวน 16 ถัง**

Fire suppression system

Location : INERGEN SUB 115KV

[illegible]

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

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

Fire suppression system

Location : INERGEN Server | Support Building

[illegible]

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

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

FM-200 SYSTEM

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 January 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>			
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	
<u>2. Equipment</u>			
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	
<u>3. Mechanical</u>			
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 27.54 V.dc

Battery back up 27.52 V.dc (strt using 23/7/25)

* Smoke detector zone 2 อุปกรณ์เสีย 1 ea

TAKACHIHO

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 January 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

[illegible]

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 ၁၁၁၁၁, Alarm 2 stobe horn ၁၁၁၁၁, Release stobe horn, Stobe light ၁၁၁၁၁

* Manual stobe horn, stobe light ทางรถ

* ควรติดตั้ง horn&strobe ภายในห้อง EER room (PKL)

TAKACHIHO

FUNCTION TEST FM-200 SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :

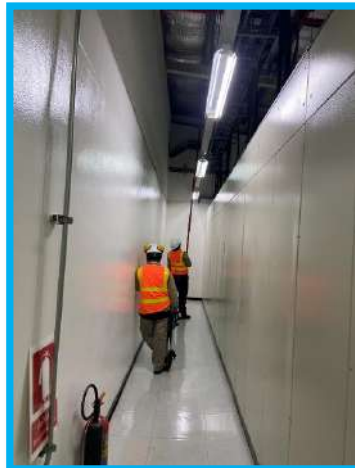


Figure 5.

Remark :



Figure 6.

Remark :

CO2 SYSTEM

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 January 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>			
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	
<u>2. Equipment</u>			
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	
<u>3.Mechanical</u>			
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 27.03 VDC
 Battery back up 27.01 VDC (Start Using 22/10/25)

Subject : PM. Fire Suppression CO2 System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 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

[illegible]

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 တံခွန်, Alarm 2 bell တံခွန်

* Discharge stobe horn, bell ทำงาน

* Discharge stobe horn, bell ทำงาน



DATE : 21 January 2026

[illegible]

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 : _____

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

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

FUNCTION TEST CO2 SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

NITROGEN FIRE SUPPRESSION SYSTEM

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 January 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 229.3 VAC
Charger control panel 26.65 VDC
Battery back up 26.62 VDC (Replace Battery 26/2/24)
* Smoke detector zone 1 อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 1 ea
TAKACHIHO

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 January 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

[illegible]

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)

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 January 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 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 228.4 VAC

Charger control panel 26.59 VDC

Battery back up 26.55 VDC (Replace Battery 26/2/24)

* 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

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 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

[illegible]

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

* Strobe/horn alarm 2 ดังเป็นแพร์

* Stobe/horn discharge ดังเร็วถี่ขึ้น (OP84)

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 January 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 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 26.74 VDC

Battery back up 26.69 VDC (Replace Battery 26/2/24)

**By pass pressure gauge by tank no. 1,2,3,10,11,15

TAKACHIHO

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 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

[illegible]

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

* Strobe/horn alarm 2 ดังเป็นแพทช์

* Stobe/horn discharge ดังเร็วถี่ขึ้น

TAKACHIHO

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 January 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 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 26.73 VDC

Battery back up 26.71 VDC (Replace Battery 26/2/24)

TAKACHIHO

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 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

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 ดังเป็นพาดัง
- * Discharge stobe/horn ดังเร็วถี่ขึ้น

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 January 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>			
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	
<u>2. Equipment</u>			
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	
<u>3.Mechanical</u>			
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 27.35 VDC

Battery back up 27.32 VDC (Start using 22/10/25)

TAKACHIHO

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 January 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

[illegible]

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

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 January 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 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 27.32 VDC
Battery back up 27.30 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

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 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

[illegible]

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.

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (COATING PORT EER ROOM)

[illegible]

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

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

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

REMARK: คำนวณไป Hydro test และ Refill ใหม่ จำนวน 8 ถัง

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PLC & COMPUTOR ROOM)

[illegible]

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

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

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PREMALT ROOM)

[illegible]

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

REMARK: คำนวณไป Hydro test และ Refill ใหม่ จำนวน 4 ถัง

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 January 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		ควรมานำไป Hydro test และ Refill
2	MCL 2 EER ROOM	1573249 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
3	MCL 2 EER ROOM	1573088 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
4	MCL 2 EER ROOM	1559588 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
5	MCL 2 EER ROOM	1573348 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
6	MCL 2 EER ROOM	1559993 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
7	MCL 2 EER ROOM	1560025 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
8	MCL 2 EER ROOM	1559959 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
9	MCL 2 EER ROOM	1573333 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
10	MCL 2 EER ROOM	1573259 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
11	MCL 2 EER ROOM	1573145 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
12	MCL 2 EER ROOM	1573188 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
13	MCL 2 EER ROOM	1573205 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
14	MCL 2 EER ROOM	1573087 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
15	MCL 2 EER ROOM	1573204 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
16	MCL 2 EER ROOM	1573199 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
17	MCL 2 EER ROOM	1560141 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
18	MCL 2 EER ROOM	1559946 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
19	MCL 2 EER ROOM	1560058 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
20	MCL 2 EER ROOM	1559915 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
21	MCL 2 EER ROOM	1559651 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
22	MCL 2 EER ROOM	1573374 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
23	MCL 2 EER ROOM	1573355 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
24	MCL 2 EER ROOM	1573271 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
25	MCL 2 EER ROOM	1573220 UT	S	240 bar	Dec-03		ควรมานำไป Hydro test และ Refill
26	MCL 2 EER ROOM	1559934 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
27	MCL 2 EER ROOM	1560119 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
28	MCL 2 EER ROOM	1573247 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
29	MCL 2 EER ROOM	1573331 UT	S	215 bar	Dec-03		ควรมานำไป Hydro test และ Refill
30	MCL 2 EER ROOM	1560070 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill

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

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

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

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 January 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

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 January 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

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

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

FUNCTION TEST NITROGEN SYSTEM



Figure 1.

Remark :

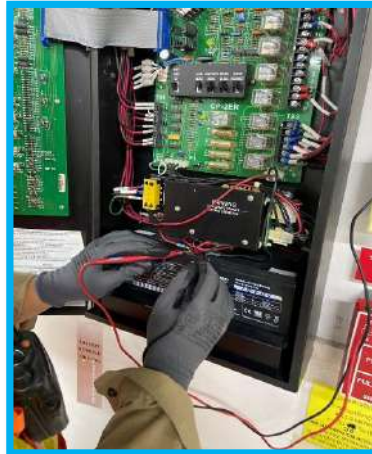


Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :

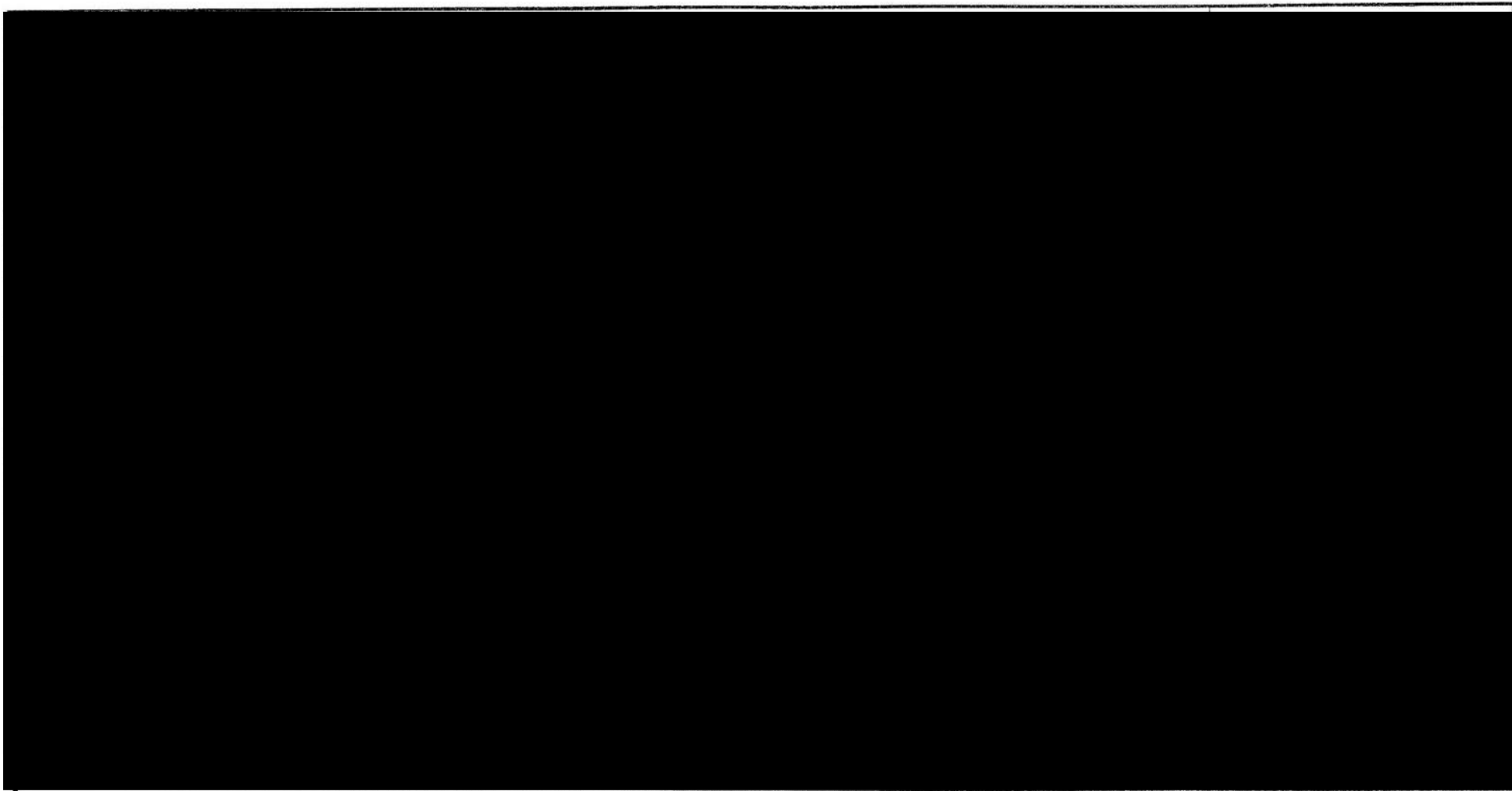


Figure 6.

Remark :

DELUGE SYSTEM

SYSTEM COMPONENTS



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 under " Remark "
- 7 Control Valve : Operate each control valve through its full range and return to its normal position.
(Seal or relock if appropriate) 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 "

AUTOMATIC SPRINKLER SYSTEM

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 each control valve through its full range and return to its normal position. (Seal or relock if appropriate) 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

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **22 January 2025**

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	Remarks
				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	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	165	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	165	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 : _____

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **22 January 2025**

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	160	165	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	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	160	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	150	170	N/A	N/A	N/A	S	S	S	S	S	S	

Remark : _____

Comment : _____

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **22 January 2025**

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	Remarks
				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	165	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **22 January 2025**

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	175	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	175	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **22 January 2025**

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	175	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	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	175	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **22 January 2025**

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-2generator	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-1generator	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 ขาด 2 ตัว

(Pressure gauge บนเข็มไม่ตรง , Pressure gauge ล่างเข็มหลุด)

Comment :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **22 January 2025**

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	165	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 : _____

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 January 2025
 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	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 pull station	S	S	
2.4 Check condition of solinoid 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 selector valve and function test	S	N/A	
2.8 Check condition of all alarm devise and testing	S	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	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 26.49 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

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 January 2025
 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	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	N/A	
2.2 cross zone function test of detector	S	N/A	
2.3 Check condition of all manual pull station	S	N/A	
2.4 Check condition of solinoid 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 selector valve and function test	S	N/A	
2.8 Check condition of all alarm devise and testing	S	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check the 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 26.35 vdc. (Use since 1/25) Clean & check system control
control panel system normal

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 January 2025
 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	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	N/A	
2.2 cross zone function test of detector	S	N/A	
2.3 Check condition of all manual pull station	S	N/A	
2.4 Check condition of solinoid and function test	S	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 selector valve and function test	S	N/A	
2.8 Check condition of all alarm devise and testing	S	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check the 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

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 January 2025
 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	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	N/A	
2.2 cross zone function test of detector	S	N/A	
2.3 Check condition of all manual pull station	S	N/A	
2.4 Check condition of solinoid 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	S	
2.7 Visual check selector valve and function test	S	N/A	
2.8 Check condition of all alarm devise and testing	S	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	N/A	
3.2 check the 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 26.28 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

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 January 2025
 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	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	N/A	
2.2 cross zone function test of detector	S	N/A	
2.3 Check condition of all manual pull station	S	N/A	
2.4 Check condition of solinoid 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	S	
2.7 Visual check selector valve and function test	S	N/A	
2.8 Check condition of all alarm devise and testing	S	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	N/A	
3.2 check the 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 27.43 vdc (Use since 30/4/24) Clean & check system control
control panel system normal

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 January 2025
 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	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	N/A	
2.2 cross zone function test of detector	S	N/A	
2.3 Check condition of all manual pull station	S	N/A	
2.4 Check condition of solinoid and function test	S	N/A	
2.5 Check condition of all abort switch and function test	S	N/A	
2.6 Check cable connection / terminal	N/A	N/A	
2.7 Visual check selector valve and function test	S	N/A	
2.8 Check condition of all alarm devise and testing	S	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check the 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 26.75 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

Preventive Maintenance Check Sheet

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 22 January 2025

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

[illegible]

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

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

TAKACHIHO

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 January 2025
 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	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 solinoid 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 the 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 27.24 vdc. (Use since 06/2023) Clean & check system control
control panel system normal

* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 22 January 2025

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

[illegible]

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

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

TAKACHIHO

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 January 2025
 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	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 solinoid 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 the 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 27.38 vdc. (Use since 06/2023) Clean & check system control
control panel system normal

* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 22 January 2025

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

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

FUNCTION TEST AUTOMATIC SPRINKLER & ALARM VALVE SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

FIRE HYDRANT SYSTEM

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
 Date : 22 January 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 tower	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

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Contractor Name: PM. Fire Protection System

Area : NS blue scope steel

Date : 22 January 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

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

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Contractor Name: PM. Fire Protection System

Area : NS blue scope steel

Date : 22 January 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

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
Date : 22 January 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

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
 Date : 22 January 2026
 Site : Rayong

Description		Equipment No.								REMARKS
		NO.37	NO.38							
		<i>mcl-2/hose 56</i>	<i>CRM</i>							
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

FUNCTION TEST FIRE HYDRANT SYSTEM



Figure 1.



Figure 2.



Figure 3.

Remark :

Remark :

Remark :

FIRE HOSE CABINET AND HOSE SYSTEM

Inspection Report

FIRE HOSE CABINET AND FIRE HOSE

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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

FUNCTION TEST FIRE HOSE CABINET AND HOSE SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :

**FIRE HOSE REEL OR STANDPIPE
AND HOSE SYSTEM**

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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: _____

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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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	
		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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

 OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

 Area : NS blue scope steel

 Project name: PM. Fire Protection System

 Date : 22 January 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 SERVICES	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 เกลี่ยถูกกัดกร่อนเป็นสนิม

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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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: _____

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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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 FI.3	MCL FI.4	MCL FI.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: _____

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

FUNCTION TEST FIRE HOSE REEL SYSTEM



Figure 1.



Figure 2.



Figure 3.

Remark :

Remark :

Remark :

FIRE PUMP

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 I	
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	75 °C
2	WATER LEVEL	Normal
3	OIL LEVEL	Normal
4	OIL PRESSURE	75
5	VOLTS. (CHARGING ALTERNATOR)	26.83, 26.87
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	2560
8	HOUR RUNNING ก่อน test 1720.5	1720.9
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	45/50 °C
3	DISCHARGE PRESSURE	145
4	SUCTION PRESSURE	0 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAKE #	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	1.5/0
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	90 Psi

RECOMMENDATION

Check condition of pump and cleaning

Function test pump manual / auto running time in 30 mins.

The function system working properly

* เปลี่ยน spare part (3/7/24)

Start using battery 3/7/24

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jan-26

Takachiho Fire, Security & Services (Thailand) Limited

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	72 °C
2	WATER LEVEL	Normal
3	OIL LEVEL	Normal
4	OIL PRESSURE	4.5 Bar
5	VOLTS. (CHARGING ALTERNATOR)	13.79, 13.63
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	2863
8	HOUR RUNNING ก่อน test	110.4
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	54/56 °C
3	DISCHARGE PRESSURE	150
4	SUCTION PRESSURE	N/A
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAKE #	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

- * Fire pump in 30 minutes
- * เปลี่ยน spare part (31/7/24)
- * Battery start using 25/12/24

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jan-26

Takachiho Fire, Security & Services (Thailand) Limited

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
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	31/32 °C
3	VOLTS	393, 395, 395
4	AMP.	154, 151, 153
5	SPEED RUNNING (RPM.)	2986 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	35/35 °C
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0 Psi
5	NOISE	Normal
6	CLOUPLING	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	MAGNETIC 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 magnetic terminal

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jan-26

Takachiho Fire, Security & Services (Thailand) Limited

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
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	33 °C
3	VOLTS	401, 402, 402
4	AMP	7.1, 6.9, 7.0
5	SPEED RUNNING (RPM.)	2691
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	CLOUPLING	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	170 Psi

RECOMMENDATION

Cleaned to motor pump and check magnatic terminal

Function tes pump Auto/Manual normal

Subin, Pattanasit, Somkid, Anuchit, Perakant

30-Jan-26

Takachiho Fire, Security & Services (Thailand) Limited

FUNCTION TEST FIRE PUMP SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :



Figure 7.

Remark :



Figure 8.

Remark :



Figure 9.

Remark :

Emergency light

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 29 January 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	เปลี่ยนแบตเตอรี่ 29/1/26
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	
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	เปลี่ยนแบตเตอรี่ 29/1/26
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	US	US	US	US	US	อุปกรณ์เสีย
22	EML 022	Emergency Lighting	pkl-exit pulpit	S	S	S	S	S	
23	EML 023	Emergency Lighting	pkl corri door	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
24	EML 024	Emergency Lighting	pkl corri door	S	S	S	S	S	
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. 012, 023 แบตเตอรี่ 12 V / 7.5 Ah. = 2 ea

* Emergency Light No. 003, 021 อุปกรณ์เสีย = 2 ea

Emergency Lighting

 Client : NS BLUE SCOPE STEEL THAI LAND

 REF.Contract NO : 6 times/year

 Inspection Date : 29 January 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	
35	EML 0035	Emergency Lighting	crm-corri door	N/A	N/A	N/A	N/A	N/A	อุปกรณ์ฉุกเฉิน
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	เปลี่ยนแบตเตอรี่ 29/1/26
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	S	S	S	S	S	
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	
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	
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, 048 อุปกรณ์เสีย = 2 ea

Emergency Lighting

 Client : NS BLUE SCOPE STEEL THAI LAND

 REF.Contract NO : 6 times/year

 Inspection Date : 29 January 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	เปลี่ยนแบตเตอรี่ 29/1/26
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 computer 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	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
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	เปลี่ยนแบตเตอรี่ 29/1/26
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	แบตเตอรี่ 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. 074, 084 แบตเตอรี่ 12 V / 7.5 Ah. = 2 ea

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 29 January 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	US	US	US	US	US	อุปกรณ์เสีย
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	เปลี่ยนแบตเตอรี่ 29/1/26
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	เปลี่ยนแบตเตอรี่ 29/1/26
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	เปลี่ยนแบตเตอรี่ 29/1/26
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	เปลี่ยนแบตเตอรี่ 29/1/26
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

* Emergency Light No. 091 อุปกรณ์เสีย = 1 ea

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 29 January 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	
122	EML 0122	Emergency Lighting	mcl-2เสา p 3	S	S	S	S	S	
123	EML 0123	Emergency Lighting	mcl-2เสา r-1	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
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	เปลี่ยนแบตเตอรี่ 29/1/26
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	S	S	S	S	S	
133	EML 0133	Emergency Lighting	mcl-2เสา op/81	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
134	EML 0134	Emergency Lighting	mcl-2เสา ทางลง pot eer	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
135	EML 0135	Emergency Lighting	mcl-2เสา op/77-78	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
136	EML 0136	Emergency Lighting	mcl-2เสา op/75,76	US	US	US	US	US	อุปกรณ์เสีย
137	EML 0137	Emergency Lighting	mcl-2เสา op/75	S	S	S	S	S	
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 ห้องนำหญิง	N/A	N/A	N/A	N/A	N/A	ปรับปรุงพื้นที่
145	EML 0145	Emergency Lighting	operation ห้องนำชาย	N/A	N/A	N/A	N/A	N/A	ปรับปรุงพื้นที่
146	EML 0146	Emergency Lighting	operation ห้อง k.ปีเตอร์	N/A	N/A	US	N/A	N/A	แบตเตอรี่ 12 V/7.5 Ah เข้าไม่ได้อ
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. 123, 133, 134, 135, 146 แบตเตอรี่ 12 V / 7.5 Ah. = 5 ea

* Emergency Light No. 136 อุปกรณ์เสีย = 1 ea

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 29 January 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	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
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	เปลี่ยนแบตเตอรี่ 29/1/26
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	แบตเตอรี่ 12 V/7.5 Ah
170	EML 0170	Emergency Lighting	Training Center Bld.	S	S	S	S	S	
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. 153, 169 แบตเตอรี่ 12 V / 7.5 Ah. = 2 ea

Exit Light system

Emergency Exit Indicator

 Client : NS BLUE SCOPE STEEL THAI LAND

 REF.Contract NO : 6 times/year

 Inspection Date : 29 January 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	เปลี่ยนอุปกรณ์ 29/1/26
3	EXL003	Emergency Exit Lighting	work shop op/12	S	S	S	S	S	เปลี่ยนอุปกรณ์ 29/1/26
4	EXL004	Emergency Exit Lighting	work shop op/08	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
5	EXL005	Emergency Exit Lighting	pkl-op/15	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
6	EXL006	Emergency Exit Lighting	pkl-op/exit	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	แบตเตอรี่ 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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	แบตเตอรี่ 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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	S	S	S	S	
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. 4, 5, 6, 9, 11, 16, 20, 25 แบตเตอรี่ 3.6 V / 1800 mAh. = 8 ea

Emergency Exit Inditicator

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 29 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Ite m	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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
32	EXL032	Emergency Exit Lighting	zal-op/60	S	S	S	S	S	เปลี่ยนอุปกรณ์ 29/1/26
33	EXL033	Emergency Exit Lighting	zal-op/57	S	S	S	S	S	
34	EXL034	Emergency Exit Lighting	mcl-1 op/56	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
35	EXL035	Emergency Exit Lighting	mcl-1 op/54	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
36	EXL036	Emergency Exit Lighting	mcl-1 eer exit door	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
37	EXL037	Emergency Exit Lighting	mcl-1 eer exit door computer room	S	S	S	S	S	
38	EXL038	Emergency Exit Lighting	mcl-1 eer exit door computer room	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
39	EXL039	Emergency Exit Lighting	mcl-1 eer exit door	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
40	EXL040	Emergency Exit Lighting	mcl-1 eer room op/51	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
41	EXL041	Emergency Exit Lighting	mcl-1 eer room op/52	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
50	EXL050	Emergency Exit Lighting	cpl-op/42	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	US	S	S	แบตเตอรี่ 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. 31, 34, 35, 36, 38, 39, 40, 41, 43, 46, 49, 50, 60 แบตเตอรี่ 3.6 V / 1800 mAh. = 13 ea

Emergency Exit Inditicator

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 29 January 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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
72	EXL072	Emergency Exit Lighting	mcl-2 op/76	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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-2 หน้าห้อง entry eer	S	S	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	N/A	N/A	N/A	N/A	N/A	ปรับปรุงพื้นที่
82	EXL082	Emergency Exit Lighting	office operation exit door	S	S	S	S	S	
83	EXL083	Emergency Exit Lighting	support ห้องพยาบาล	US	US	US	US	US	อุปกรณ์เสียไม่มี power
84	EXL084	Emergency Exit Lighting	support exit door	S	S	S	S	S	ติดตั้งแล้ว
85	EXL085	Emergency Exit Lighting	support exit door	S	S	S	S	S	ติดตั้งแล้ว
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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
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	US	S	S	แบตเตอรี่ 3.6 V/1800 mAh
92	EXL092	Emergency Exit Lighting	Training Center Bld.	S	S	US	S	S	แบตเตอรี่ 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. 64, 69, 71, 72, 75, 78, 88, 91, 92 แบตเตอรี่ 3.6 V / 1800 mAh. = 9 ea

* Emergency Exit Light No. 83 อุปกรณ์เสียไม่มี power = 1 ea

Emergency Exit Indicator

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 29 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

[illegible]

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. 93 แบตเตอรี่ 3.6 V / 1800 mAh. = 1 ea

FUNCTION TEST EMERGENCY LIGHT



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

**PORTABLE FIRE
EXTINGUISHERS SYSTEM**

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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 ขาด
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	ไม่มีอุปกรณ์
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

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	195 PSI	24/06/2023		2	
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

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurer eading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	0 PSI	Sep-23		2	Low pressure
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	
43	43	Dry chemical / 10 lbs	Hatron	SUPPORT.TOILET	S	S	S	N/A	S	195 PSI	Sep-23		2	
44	44	Dry chemical / 10 lbs	Saturn	SUPPORT.FIRST AID	S	S	S	N/A	S	195 PSI	Sep-23		2	
45	45	Dry chemical / 10 lbs	Topaz	SUPPORT.(CANTEEN)	S	S	S	N/A	S	195 PSI	Sep-23		2	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurer eading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurer eading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	May-24		1	
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	
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurer eading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 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										
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 ACCUMULATOR 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	ไม่มีป้ายสัญลักษณ์
105	105	Dry chemical / 10 lbs	Alaert	MCL 1 PORT F# 6R	S	S	S	N/A	S	195 PSI	May-24		1	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	-		-	
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	-		-	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 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		5	
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

 Client : NS BLUE SCOPE STEEL THAILAND

 Inspection Date : 28 January 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										
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

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

 Client : NS BLUE SCOPE STEEL THAILAND

 Inspection Date : 28 January 2026

 Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

 Client : NS BLUE SCOPE STEEL THAILAND

 Inspection Date : 28 January 2026

 Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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 TRANSFORMER 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	TRANSFORMER 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-23		2	
195	199	Dry chemical / 10 lbs	Dab fire	PKL-XFHV-15 (OUT SIZE)	S	S	S	N/A	S	195 PSI	04/09/2552		16	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
196	200	Dry chemical / 10 lbs	Dab fire	CRM-XFHV-16 (OUT SIZE)	S	S	S	N/A	S	195 PSI	31/05/2554		114	
197	201	Dry chemical / 10 lbs	Dab fire	CRM-XFHV-17 (OUT SIZE)	S	S	S	N/A	S	195 PSI	04/09/2552		16	
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 ACCEMMUTTORT F#1	S	S	S	N/A	S	195 PSI	2021		4	
200	204	Dry chemical / 10 lbs	Santo	MCL-1 ACCEMMUTTORT 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-11		14	
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

 Client : NS BLUE SCOPE STEEL THAILAND

 Inspection Date : 28 January 2026

 Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	-		-	
218	222	Dry chemical / 10 lbs	-	BLUE SCOPE TRAIING CENTER	S	S	S	N/A	S	195 PSI	-		-	
219	223	Dry chemical / 10 lbs	-	BLUE SCOPE TRAIING CENTER	S	S	S	N/A	S	195 PSI	-		-	
220	224	Dry chemical / 10 lbs	-	BLUE SCOPE TRAIING 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	
225	229	Dry chemical / 10 lbs	Saturn	Workshop OP 8	S	S	S	N/A	S	195 PSI	Jan-23		2	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	-		-	
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

 Client : NS BLUE SCOPE STEEL THAILAND

 Inspection Date : 28 January 2026

 Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Item	Ext.No.	Type	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	dry powder	Pressurereading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	

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Remark:

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

REF. Contract NO : SC1000320

Inspection Date : 28 January 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										
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	15.39	0%	Nov-22		3	
3	Co2 / 10 lbs.	SATURN	Worke shop OP.08	S	S	S	14.00	11.84	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	15.20	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	15.42	0%	Nov-22		3	มือจับเป็นสนิม
18	Co2 / 10 lbs.	SATURN	PKL 05/OP.03	S	S	S	14.00	15.23	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	

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CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

REF. Contract NO : SC1000320

Inspection Date : 28 January 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	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	13.62	0%	Oct-24		1	สังเกต
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	สังเกต
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	N/A	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	14.61	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

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

REF. Contract NO : SC1000320

Inspection Date : 28 January 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	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	14.75	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	14.23	0%	May-24		1	
70	Co2 / 10 lbs.	SATURN	MCL-1 OP/49	S	S	S	14.00	14.73	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	14.34	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	14.28	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	14.78	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		26	
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	15.03	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

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

REF. Contract NO : SC1000320

Inspection Date : 28 January 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	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	14.71	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	ไม่พ่นยา
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	14.46	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	14.88	0%	Jul-24		1	

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

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

REF. Contract NO : SC1000320

Inspection Date : 28 January 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	Cylinder Weight (Kg)	Actual Gross Weight (Kg)	% Lost Weight	Date of Manufacture	Date of Hydro Test	Total Year	Remark
			Building Area										
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 PREMETS 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

CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

REF. Contract NO : SC1000320

Inspection Date : 28 January 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										
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 COATING POT EER ROOM	S	S	S	14.10	14.60	0%	-		-	
157	Co2 / 10 lbs.	IMPACT	MCL-2 COATING 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 ACCEMMUTTUT F#2	S	S	S	12.57	12.80	0%	Dec-06		19	
171	Co2 / 10 lbs.	IMPACT	MCL1 ACCEMMUTTUT 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	13.19	0%	Apr-20		5	
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

Client : NS BLUE SCOPE STEEL THAILAND

REF. Contract NO : SC1000320

Inspection Date : 28 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

[illegible]

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

FUNCTION TEST PORTABLE FIRE EXTINGUISHERS SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

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

NS BLUESCOPE (THAILAND) LIMITED (MCL3)

Preventive Maintenance for Fire Protection System

On January 2026

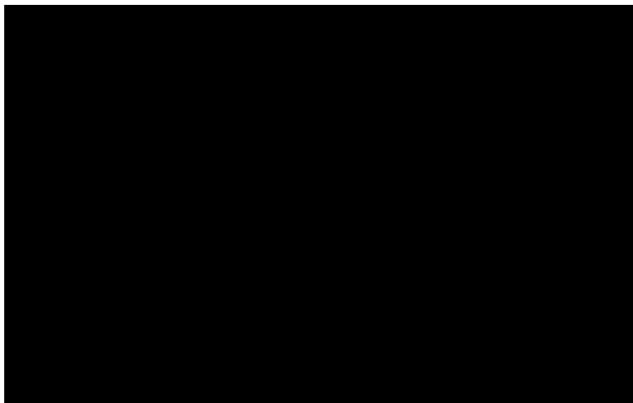
INSPECTION, TEST AND PREVENTIVE MAINTENANCE FOR

Fire Protection and Fire Detection System

Customer : NS Blue Scope Steel (Thailand) Ltd. (MCL 3)

Report Date : 3 February 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 (MCL3) Fire Alarm & Fire Suppression Summary Report : January 2026
Pervious month Outstanding update
January 2026 Result

Item	Inspection Description	Point / Device		Location		Recomment	Priority			Status
1	Fire alarm system	M3-10	Heat detector	WAST WATER TREATMENT	อุปกรณ์เสีย	should replace	☐ Low	☒ Medium	☐ High	แก้ไขแล้ว
		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)	RCP 2	Battery = 2 ea	Pot EER	Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี	should replace	☐ 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. 18, 42, 55, 67, 69	อุปกรณ์เสีย = 5 ea	BE31, BG4, Pit7, Exit pulpit, cable cella	อุปกรณ์เสีย (Max 12 V/7.5 Ah)	Should replace	☐ Low	☒ Medium	☐ High	
		No. 13, 37, 70	Back-up batteries = 3 ea (12 V/7.5 Ah)	BE23, coator room fl.1, cable cella	Battery deterioration	Should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา
		Exit Light								
		No. 2, 24, 36	อุปกรณ์เสีย = 3 ea	BC5, BC20, BH4	อุปกรณ์เสีย (Max 3.6 V/1800 Ah)	Should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา
7	Portable Extinguisher (Every Three Months)	Foam No. 1	Foam	Chemical storage	Low Pressure	should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา
		Dry chemical No.1 - No. 107	Dry chemical = 107 ถัง	MCL3	อายุการใช้งานเกิน 5 ปี	ควรนำไปตรวจเช็คสภาพภายใน	☐ Low	☒ Medium	☐ High	TK เสนอราคา
		CO2 No.1 - No. 113	CO2 = 113 ถัง	MCL3	อายุการใช้งานเกิน 5 ปี	ควรนำไปตรวจเช็คสภาพภายใน	☐ Low	☒ Medium	☐ High	TK เสนอราคา
		CO2 No. 111	CO2	MCL3	น้ำหนักต่ำกว่าเกณฑ์	ควรนำไป refill	☐ Low	☒ Medium	☐ High	TK เสนอราคา

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

Review By

Date

Sign Off By

Date

Songpon Soontaros
PSV Senior Engineer

Plant Service & Engineering Project Manager

FIRE ALARM SYSTEM

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 : 24 January 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 / Function	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 231.2 VAC

Charger control panel 27.32 VDC

Battery back up 27.27 VDC (start 27/6/24)

* Power supply panel box no.1

* Power supply panel box no.2

AC power supply : 231.4 VAC

AC power supply : 231.4 VAC

Battery back up : 26.82 Vdc. (Start 3/8/23)

Battery back up : 27.28 Vdc. (Start 3/8/23)

Charge control : 26.80 Vdc.

Charge control : 27.23 Vdc.

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

TAKACHIHO

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 : 24 January 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: _____

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 : 24 January 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: _____

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 : 24 January 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 ไม่ทำงาน (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: _____

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 : 24 January 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	

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Remark: _____

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 : 24 January 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: _____

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 : **24 January 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	แก้ไขเปลี่ยนอุปกรณ์แล้ว
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: _____

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 : 24 January 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 230.5 VAC

Charger control panel 26.94 Vdc (Start 27/6/25)

Battery back up 26.92 Vdc

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

TAKACHIHO

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 24 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

Remark: _____

FUNCTION TEST FIRE ALARM SYSTEM

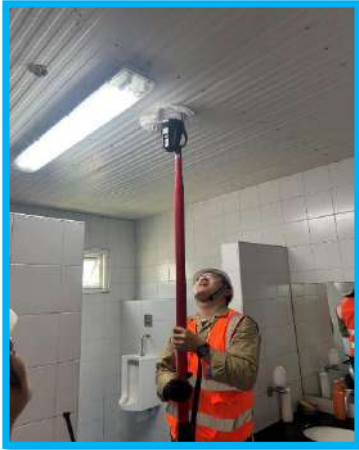


Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

INERGEN SYSTEM

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 : 24 January 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 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 232.4 VAC

Charger control panel 26.99 V.dc

Battery back up 26.95 V.dc (Start using 29/2/24)

TAKACHIHO

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 : 24 January 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

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 : 24 January 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 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 227.3 VAC

Charger control panel 27.54 VDC

Battery back up 27.52 VDC (Start using 30/5/66)

* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 24 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthava

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

[illegible]

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

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 : 24 January 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 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 227.2 VAC

Charger control panel 27.20 VDC

Battery back up 27.18 VDC (Start using 28/7/25)

*

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 24 January 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)

[illegible]

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

Remark : The function test detector system working is properly

* Smoke detector cross zone delay times 60 sec.

* Abort switch push to original time 60 sec.

* Manual release push to discharge.

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 : 24 January 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 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	

Y = Satisfactory N = Unsatisfactory N/A = Not Applicable

Remark : AC Power 229.2 VAC

Charger control panel 27.13 Vdc.

Battery back up 26.82 Vdc. (Start using 28/7/25)

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 24 January 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)

[illegible]

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

Remark : The function test detector system working is properly

* Smoke detector cross zone delay times 60 sec.

* Abort switch push to original time 60 sec.

* Manual release push to discharge.

TAKACHIHO

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 : 24 January 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 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 27.52 Vdc.

Battery back up 27.46 Vdc. (Start using 28/7/25)

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 24 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthava

Location of fire alarm control panel : MCL-3 MV SWITCH ROOM AUTOPLUS 542R (RCP-05)

[illegible]

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

INERGEN CYLINDER SYSTEM

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 : 24 January 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		ควรมี Hydro test และ Refill
3	MCL-3 ENTRY EER ROOM	14103933	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
4	MCL-3 ENTRY EER ROOM	14104537	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
5	MCL-3 ENTRY EER ROOM	14104168	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
6	MCL-3 ENTRY EER ROOM	14103957	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
7	MCL-3 ENTRY EER ROOM	14104026	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
8	MCL-3 ENTRY EER ROOM	14104020	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
9	MCL-3 ENTRY EER ROOM	14104100	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
10	MCL-3 ENTRY EER ROOM	14104196	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
11	MCL-3 ENTRY EER ROOM	14103998	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
12	MCL-3 ENTRY EER ROOM	14104014	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
13	MCL-3 ENTRY EER ROOM	14104015	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
14	MCL-3 ENTRY EER ROOM	14104108	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
15	MCL-3 ENTRY EER ROOM	14104013	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
16	MCL-3 ENTRY EER ROOM	14104240	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
17	MCL-3 ENTRY EER ROOM	14104215	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
18	MCL-3 ENTRY EER ROOM	14104202	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
19	MCL-3 ENTRY EER ROOM	14104188	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
20	MCL-3 ENTRY EER ROOM	14104126	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
21	MCL-3 ENTRY EER ROOM	14104008	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
22	MCL-3 ENTRY EER ROOM	14104754	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
23	MCL-3 ENTRY EER ROOM	14103987	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
24	MCL-3 ENTRY EER ROOM	14104110	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
25	MCL-3 ENTRY EER ROOM	14103951	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
26	MCL-3 ENTRY EER ROOM	14104079	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
27	MCL-3 ENTRY EER ROOM	14104129	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
28	MCL-3 ENTRY EER ROOM	14104124	S	4350 Psi	Aug-17		ควรมี 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		ควรมี Hydro test และ Refill

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

REMARK:

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 : 24 January 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		ควรมี Hydro test และ Refill
32	MCL-3 ENTRY EER ROOM	14104569	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
33	MCL-3 ENTRY EER ROOM	14104529	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
34	MCL-3 ENTRY EER ROOM	14104583	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
35	MCL-3 ENTRY EER ROOM	14104568	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
36	MCL-3 ENTRY EER ROOM	14104016	S	4350 Psi	Aug-17		ควรมี 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		ควรมี 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		ควรมี Hydro test และ Refill
41	MCL-3 ENTRY EER ROOM	14104786	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
42	MCL-3 ENTRY EER ROOM	141071912	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
43	MCL-3 ENTRY EER ROOM	14104160	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
44	MCL-3 ENTRY EER ROOM	14104273	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
45	MCL-3 ENTRY EER ROOM	14104268	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
46	MCL-3 ENTRY EER ROOM	14104024	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
47	MCL-3 ENTRY EER ROOM	14104253	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
48	MCL-3 ENTRY EER ROOM	14104101	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
49	MCL-3 ENTRY EER ROOM	14104247	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
50	MCL-3 ENTRY EER ROOM	14104035	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
51	MCL-3 ENTRY EER ROOM	14104142	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
52	MCL-3 ENTRY EER ROOM	14104032	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
53	MCL-3 ENTRY EER ROOM	14104138	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
54	MCL-3 ENTRY EER ROOM	14104157	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
55	MCL-3 ENTRY EER ROOM	14104264	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
56	MCL-3 ENTRY EER ROOM	14104002	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
57	MCL-3 ENTRY EER ROOM	14103977	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
58	MCL-3 ENTRY EER ROOM	13607784	S	112 Psi (Pilot)	Aug-17		over pressure, ควรมี Hydro test และ Refill

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

REMARK:

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 : 24 January 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		ควมไม่ Hydro test และ Refill
2	MCL 3 PORT EER ROOM	14104036	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
3	MCL 3 PORT EER ROOM	14104270	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
4	MCL 3 PORT EER ROOM	14104281	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
5	MCL 3 PORT EER ROOM	14103980	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
6	MCL 3 PORT EER ROOM	14104081	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
7	MCL 3 PORT EER ROOM	14104287	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
8	MCL 3 PORT EER ROOM	14104544	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
9	MCL 3 PORT EER ROOM	14104210	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
10	MCL 3 PORT EER ROOM	14104284	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
11	MCL 3 PORT EER ROOM	14104254	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
12	MCL 3 PORT EER ROOM	14104164	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
13	MCL 3 PORT EER ROOM	14104012	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
14	MCL 3 PORT EER ROOM	14104060	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
15	MCL 3 PORT EER ROOM	14104139	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
16	MCL 3 PORT EER ROOM	14104000	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
17	MCL 3 PORT EER ROOM	14104010	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
18	MCL 3 PORT EER ROOM	14104004	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
19	MCL 3 PORT EER ROOM	14104080	S	4350 Psi	Aug-17		ควมไม่ 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		ควมไม่ Hydro test และ Refill
22	MCL 3 PORT EER ROOM	14104785	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
23	MCL 3 PORT EER ROOM	13688607	S	100 bar (Pilot)	Aug-17		ควมไม่ Hydro test และ Refill

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

REMARK:

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 : 24 January 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		ควมไม่ Hydro test และ Refill
2	MCL 3 EXIT EER ROOM	14104091	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
3	MCL 3 EXIT EER ROOM	14104099	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
4	MCL 3 EXIT EER ROOM	14104007	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
5	MCL 3 EXIT EER ROOM	14104262	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
6	MCL 3 EXIT EER ROOM	14104289	S	4350 Psi	Aug-17		ควมไม่ 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		ควมไม่ Hydro test และ Refill
9	MCL 3 EXIT EER ROOM	14104028	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
10	MCL 3 EXIT EER ROOM	14104031	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
11	MCL 3 EXIT EER ROOM	14104019	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
12	MCL 3 EXIT EER ROOM	14071139	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
13	MCL 3 EXIT EER ROOM	14056469	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
14	MCL 3 EXIT EER ROOM	14056611	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
15	MCL 3 EXIT EER ROOM	14104577	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
16	MCL 3 EXIT EER ROOM	14071800	S	4350 Psi	Aug-17		ควมไม่ 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		ควมไม่ Hydro test และ Refill
19	MCL 3 EXIT EER ROOM	14104909	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
20	MCL 3 EXIT EER ROOM	14056837	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
21	MCL 3 EXIT EER ROOM	14071192	S	4350 Psi	Aug-17		ควมไม่ 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		ควมไม่ Hydro test และ Refill
24	MCL 3 EXIT EER ROOM	14104027	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
25	MCL 3 EXIT EER ROOM	14104025	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
26	MCL 3 EXIT EER ROOM	14103193	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
27	MCL 3 EXIT EER ROOM	14104045	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
28	MCL 3 EXIT EER ROOM	14104130	S	4350 Psi	Aug-17		ควมไม่ 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		ควมไม่ Hydro test และ Refill

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

REMARK:



Subject :	PM. Inergen system
Client :	NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO :	24 time / 2 year
Inspection Date :	24 January 2026
Inspector :	Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness :	Khun Songpon, Khun Sonthaya
Location :	MCL-3 Exit EER Inergen Room

[illegible]

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

REMARK:



Subject : PM. Inergen system

Client : NS BLUE SCOPE STEEL THAILAND(MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 24 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 MV EER Inergen Room

[illegible]

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

REMARK:



REMARK:

FUNCTION TEST INERGEN SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :

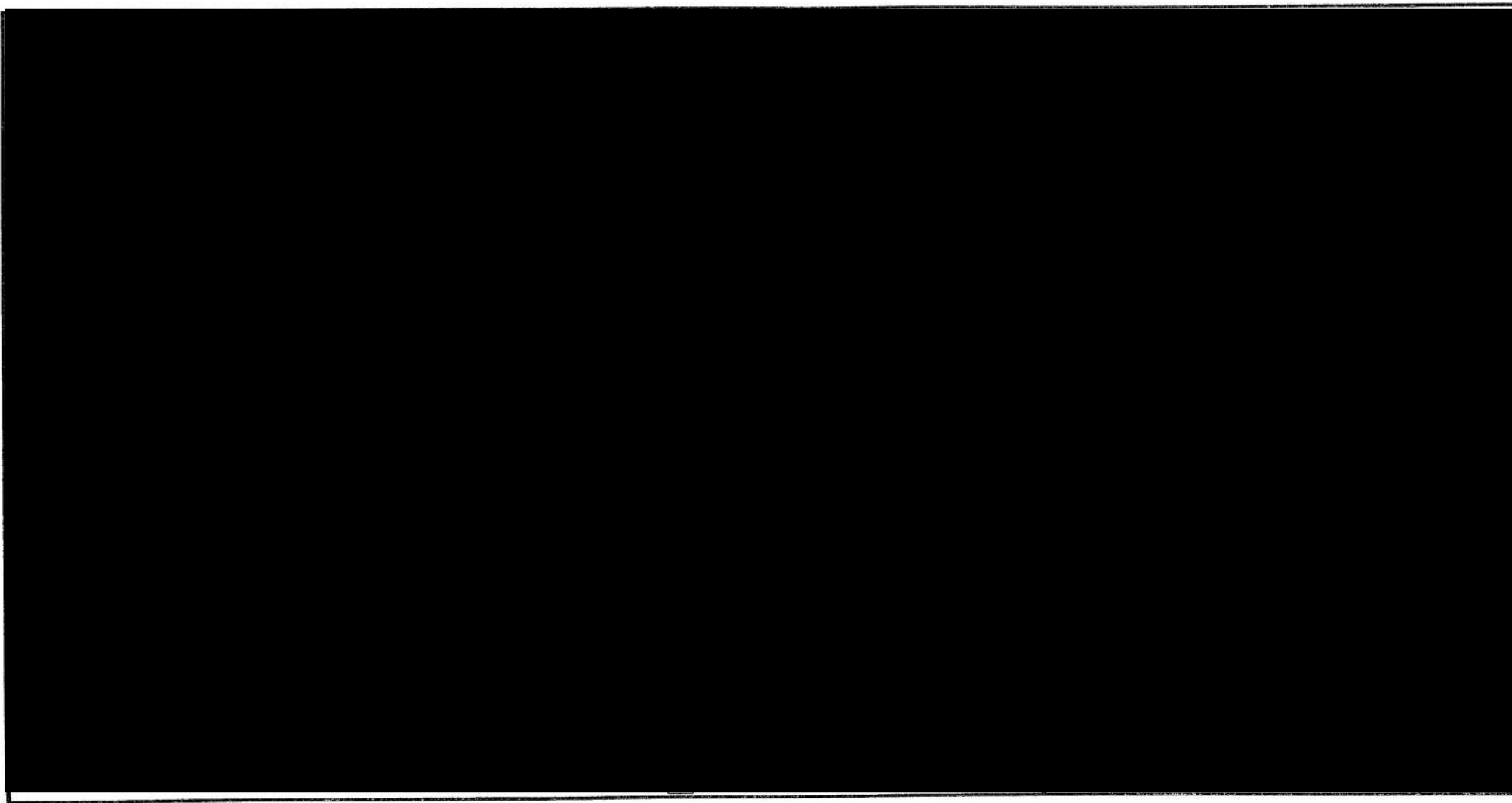


Figure 6.

Remark :

DELUGE SYSTEM

SYSTEM COMPONENTS



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 under " Remark "
- 7 Control Valve : Operate each control valve through its full range and return to its normal position. (Seal or relock if appropriate) 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 "

AUTOMATIC SPRINKLER SYSTEM

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 each control valve through its full range and return to its normal position. (Seal or relock if appropriate) 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: _____	

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **24 January 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	160	155	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	160	155	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	160	170	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	165	170	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	175	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :

DV-1 Pressure gauge ด้านบนรั้วซึม

DV-2 Pressure gauge ด้านบนรั้วซึมม ด้านล่างรั้วซึม

DV-5 Pressure gauge ด้านล่างรั้วซึม

Comment :

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

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **24 January 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	160	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	165	165	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	165	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	160	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	165	175	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :

DV-6 Pressure gauge ด้านล่างรั้วซึม

DV-ค Pressure gauge ด้านล่างรั้วซึม

DV-ต Pressure gauge ด้านล่างรั้วซึม

Comment :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **24 January 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	165	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	165	175	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	170	175	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	160	170	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	170	175	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark : _____

Comment : _____

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

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **24 January 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	165	170	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	165	170	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	160	170	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	160	175	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	165	175	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :

DV-18 Pressure gauge ด้านล่างรั่วซึม

Comment :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **24 January 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	165	170	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	165	170	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	175	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	160	175	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	170	N/A	N/A	S	S	S	S	S	S	N/A	

Remark :

DV-23 Pressure gauge ด้านบนรั่วซึม

Comment :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **24 January 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	160	170	N/A	N/A	S	S	S	S	S	S	N/A	
27	AV-LISTED NO. 4	Gamling area	N/A	N/A	S	160	170	N/A	N/A	S	S	S	S	S	S	N/A	
28	AV-LISTED NO. 5	Gamling area	N/A	N/A	S	165	170	N/A	N/A	S	S	S	S	S	S	N/A	
29	AV-LISTED NO. 6	ENTRY WASH	N/A	N/A	S	160	185	N/A	N/A	S	S	S	S	S	S	N/A	
30	AV-LISTED NO. 7	LAB&PROCESS	N/A	N/A	S	160	175	N/A	N/A	S	S	S	S	S	S	N/A	

Remark : _____

Comment : _____

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **24 January 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	160	180	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	175	N/A	N/A	S	S	S	S	S	S	N/A	

Remark : _____

Comment : _____

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 : 24 January 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 selector 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 231.5 VAC.

Charger 27.86 VDC.

Battery 27.83 VDC.

* Function test manual ไม่มีสัญญาณ alarm ส่งไปที่ตู้ control fire alarm

Subject : PM. Fire Suppression System (Water spray)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 24 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Coater Room / Local / Fire Fighting System Control Panel

[illegible]

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

FUNCTION TEST AUTOMATIC SPRINKLER SYSTEM



Figure 1.



Figure 2.



Figure 3.

Remark :

Remark :

Remark :



FIRE HYDRANT SYSTEM

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
 Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
 Date : 24 January 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**

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

FUNCTION TEST FIRE HYDRANT SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

FIRE HOSE CABINET

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 : 24 January 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

FUNCTION TEST FIRE HOSE CABINET SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :

Figure 4.

Remark :

Figure 5.

Remark :

Figure 6.

Remark :

**FIRE HOSE REEL OR
STANDPIPE AND HOSE
SYSTEM**

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 24 January 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-3 BC30	MCL-3 BC25	MCL-3 BC20	MCL-3 BC13	MCL-3 BC8	MCL-3 BC4	MCL-3 B14	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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 24 January 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Date : 24 January 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

FUNCTION TEST FIRE HOSE REEL SYSTEM



Figure 1.



Figure 2.



Figure 3.

Remark :

Remark :

Remark :

FIRE PUMP

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)	14.16 / 14.12
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	1762
8	HOUR RUNNING	39.3
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	68/42 °C
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0.4 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAKE #	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-Jan-26

Takachiho Fire, Security & Services (Thailand) Limited

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	386 / 384 / 385
4	AMP.	264 / 277 / 261
5	SPEED RUNNING (RPM.)	1496
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	26/26 °C
3	DISCHARGE PRESSURE	150 Psi
4	SUCTION PRESSURE	0.2 Psi
5	NOISE	Normal
6	CLOUPLING	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	MAGNETIC 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-Jan-26

Takachiho Fire, Security & Services (Thailand) Limited

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-T11-50	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	26 °C
3	VOLTS	397 / 395 / 397
4	AMP	5.7 / 5.8 / 5.7
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	160 Psi
4	SUCTION PRESSURE	0.4 Psi
5	NOISE	Normal
6	CLOUPLING	Normal
7	CHECKED FOR WATER LEAKE	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	MAGNETIC 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-Jan-26

Takachiho Fire, Security & Services (Thailand) Limited

FUNCTION TEST FIRE PUMP SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :

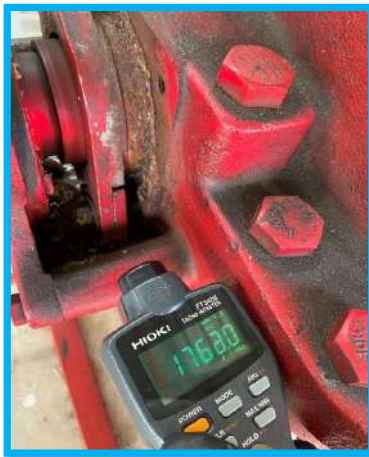


Figure 5.

Remark :



Figure 6.

Remark :



Figure 7.

Remark :



Figure 8.

Remark :



Figure 9.

Remark :

EMERGENCY LIGHT

Emergency Lighting

 Client : NS BLUE SCOPE STEEL THAILAND(MCL3)

 REF.Contract NO : 6/year

 Inspection Date : 26 January 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	EML 1	MAX	MCL3 OP126/BJ 5	S	S	S	S	S	แก้ไขแล้ว
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	S	S	S	S	S	
8	EML 8	Sunny	MCL3 BE 13	S	S	S	S	S	
9	EML 9	Sunny	MCL3 BE 15	S	S	S	S	S	
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	เปลี่ยนอุปกรณ์ใหม่
13	EML 13	MAX	MCL3 BE 23	S	S	US	S	S	แบตเตอรี่ 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	เปลี่ยนอุปกรณ์ใหม่
17	EML 17	Sunny	MCL3 BE 29	S	S	S	S	S	
18	EML 18	MAX	MCL3 BE 31	US	US	US	US	US	เสีย
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	S	S	S	S	S	
26	EML 26	MAX	MCL3 BC 24	S	S	S	S	S	เปลี่ยนแบตเตอรี่ใหม่
27	EML 27	Sunny	MCL3 BC 22	S	S	S	S	S	
28	EML 28	Sunny	MCL3 BC 20	S	S	S	S	S	เปลี่ยนอุปกรณ์ใหม่
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

Emergency Lighting

 Client : NS BLUE SCOPE STEEL THAILAND(MCL3)

 REF.Contract NO : 6/year

 Inspection Date : 26 January 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	แบตเตอรี่ 12 V/7.5 Ah.
38	EML 38	Sunny	MCL3 BC 6	S	S	S	S	S	เปลี่ยนอุปกรณ์ใหม่
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	เปลี่ยนอุปกรณ์ใหม่
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	เปลี่ยนแบตเตอรี่ใหม่
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	เปลี่ยนอุปกรณ์ใหม่
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.	S	S	S	S	S	
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	

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TAKACHIHO
FIRE, SECURITY & SERVICES (THAILAND) LTD.

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Debaratna Road, Bangna Tai, Bangna,
Bangkok 10260, Thailand.

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 January 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

[illegible]

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

EXIT LIGHT

Emergency Exit Indicator

Client : NS BLUE SCOPE STEEL THAILAND(MCL3)

REF.Contract NO : 6/year

Inspection Date : 26 January 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 (ขึ้นทางขวา)
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	

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Witness : Khun Songpon, Khun Sonthaya

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

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 :

**PORTABLE FIRE
EXTINGUISHERS SYSTEM**

INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

 Client : NS BLUE SCOPE STEEL THAILAND

 Inspection Date : 25 January 2025

 Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location	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
				Building Area										
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	195 PSI	2018/01		8	
15	15	Dry chemical/10 lb	Sunto	MCL3 POT CELLAR	S	S	S	N/A	S	195 PSI	2018/01		8	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

 Client : NS BLUE SCOPE STEEL THAILAND

 Inspection Date : 25 January 2025

 Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location	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
				Building Area										
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 25 January 2025

Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location	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
				Building Area										
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 25 January 2025

Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressure ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	ป้ายขาด
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 25 January 2025

Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location	Hose ,Nozzle	fill cap	handle,shell	Gas cartridge	Dry Powder or Water Foam	Pressure ading	Date of Manufacture	Date of Hydro Test	Total Year	Remark
				Building Area										
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 25 January 2025

Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location	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
				Building Area										
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

 Client : NS BLUE SCOPE STEEL THAILAND

 Inspection Date : 25 January 2025

 Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location	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
				Building Area										
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	

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INSPECTION PORTABLE FIRE EXTINGUISHERS

Dry Chemical Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

Inspection Date : 25 January 2025

Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Item	Ext.No.	Type/lb	Brand	Location	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
				Building Area										
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	-		-	

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CO2 Portable Fire Extinguisher

Client : NS BLUE SCOPE STEEL THAILAND

REF. Contract NO : SC1000320

Inspection Date : 25 January 2025

Inspector : Subin, Pattanasit, Somkid, Anuchit, Kittiphop

Witness : Khun Songpon, Khun Sonthaya

Item	Type CO2 (Kg)	Brand	Location Building Area	Nozzle 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	12.49 Kg	0%	Jan-18		8	
2	Co2/4.5	Sunto	MCL3 BHG 4	S	S	S	12.5 Kg	12.58 Kg	0%	Jan-18		8	
3	Co2/4.5	Sunto	MCL3 BE 4	S	S	S	12.5 Kg	12.59 Kg	0%	Jan-18		8	
4	Co2/4.5	Sunto	MCL3 BH 4	S	S	S	12.5 Kg	12.61 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	ไม่พียง
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	12.20 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	12.71 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	12.60 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	12.60 Kg	0%	Jan-18		8	
25	Co2/4.5	Sunto	MCL3 BE 32	S	S	S	12.5 Kg	12.40 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	12.50 Kg	0%	Jan-18		8	
28	Co2/4.5	Sunto	MCL3 BC 34 / OP 95	S	S	S	12.5 Kg	12.80 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

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REF. Contract NO : SC1000320

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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	Co2/4.5	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	12.20 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	12.40 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	12.50 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	11.70 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	12.75 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	12.61 Kg	0%	Jan-18		8	ป้ายขาด / ถึงเป็นสนิม
55	Co2/4.5	Sunto	MCL3 IN GOT/OP 109	S	S	S	12.5 Kg	12.61 Kg	0%	Jan-18		8	
56	Co2/4.5	Sunto	MCL3 IN GOT/OP 106	S	S	S	12.5 Kg	12.76 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	

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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	Co2/4.5	Sunto	MCL3 Pot EER Room.	S	S	S	12.5 Kg	12.77 Kg	0%	Jan-18		8	ไม่พบ
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	12.66 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	12.98 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	12.42 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	12.18 Kg	0%	Jan-18		8	
76	Co2/4.5	Sunto	MCL3 OP 116	S	S	S	12.5 Kg	12.53 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	12.81 Kg	0%	Jan-18		8	
79	Co2/4.5	Sunto	MCL3 Exit EER	S	S	S	12.5 Kg	12.64 Kg	0%	Jan-18		8	
80	Co2/4.5	Sunto	MCL3 OP 118	S	S	S	12.5 Kg	12.57 Kg	0%	Jan-18		8	
81	Co2/4.5	Sunto	MCL3 Exit PLC room	S	S	S	12.5 Kg	12.41 Kg	0%	Jan-18		8	
82	Co2/4.5	Sunto	MCL3 Exit PLC room	S	S	S	12.5 Kg	12.63 Kg	0%	Jan-18		8	
83	Co2/4.5	Sunto	MCL3 Exit PLC room	S	S	S	12.5 Kg	12.53 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	12.34 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	12.50 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	

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REF. Contract NO : SC1000320

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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	Co2/4.5	Sunto	MCL3 APC Section FL.4	S	S	S	12.5 Kg	12.52 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	12.64 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	12.20 Kg	0%	Jan-18		8	
104	Co2/4.5	Sunto	MCL3 CLEANING FL.1	S	S	S	12.5 Kg	12.10 Kg	0%	Jan-18		8	
105	Co2/4.5	Sunto	MCL3 ENTRY Section	S	S	S	12.5 Kg	12.40 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	12.40 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	12.60 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	10.68 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	-	-			

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FUNCTION TEST PORTABLE FIRE EXTINGUISHERS SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

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

NS BLUESCOPE (THAILAND) LIMITED

Preventive Maintenance for Fire Protection System

On February 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

INSPECTION, TEST AND PREVENTIVE MAINTENANCE

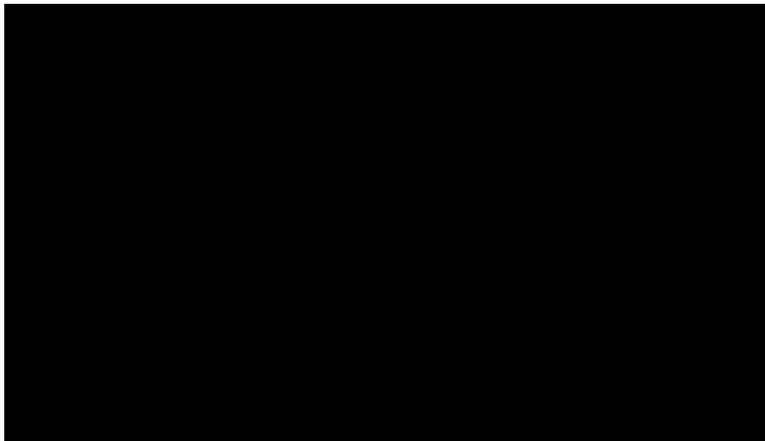
FOR

Fire Protection and fire Detection System

Customer : NS Blue Scope Steel Thailand

Report Date : 4 March 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 Fire Alarm & Fire Suppression Summary Report : February 2026
Pervious month Outstanding update
February 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 เสียสภาพ	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
3	FM-200 system (Monthly)	FM-200	Smoke detector = 1 ea	PKL- MAIN EER. ROOM	Damage	Should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา
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	อายุการใช้งานเกินมาตรฐาน 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



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Pervious month Outstanding update
February 2026 Result

Item	Inspection Description	Point / Device		Location	Problem	Recommment	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	☐ Low ☒ Medium ☐ 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 เกสยวถูกกัดกร่อนเป็นสนิม	Should replace	☐ Low ☒ Medium ☐ High	
		Fire hydrant No.14	ฝา cap	canteen	ฝา cap แตกชำรุด 1 ea	Should replace	☐ Low ☒ Medium ☐ High	
8	Fire pump system (Monthly)							
		Engine pump no.1	Discharge pressure	MCL-1	ไม่สามารถทดสอบ engine pump ในเวลา 30 นาทีได้เนื่องจากท่อตัน discharge pressure มีรอยรั่วตามด	Should replace	☐ Low ☒ Medium ☐ High	TK เสนอราคา

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

Review By

Date

Sign Off By

Date

Songpon Soontaros
PSV Senior Engineer

Plant Service & Engineering Project Manager

FIRE ALARM SYSTEM

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 : 23 February 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
<u>1. Fire Alarm Control Panel</u>		
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	
<u>2. Annunciator Panel</u>		
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 228.7 VAC

Charger control panel 27.28 VDC

Battery back up 27.25 VDC (start 26/6/25) 12V 18Ah

TAKACHIHO

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 : 23 February 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 training 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: _____

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 23 February 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]

[illegible]

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

Remark: _____

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 : 23 February 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 229.3 VAC

Charger control panel 27.34 VDC

Battery back up 27.33 VDC (start 26/6/25) 12V 18Ah

Local Power Supply Support Building

AC POWER : 229.2 VAC

Charger control panel : 27.35 VDC

Battery Back Up : 27.33 VDC

Battery Start : 26/6/25

TAKACHIHO

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 : 23 February 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: _____

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 : 23 February 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: _____

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 : 23 February 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]

[illegible]

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

Remark: _____

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 : 23 February 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	MCI. 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 (เก้าอี้)	M3-96	MANUAL	S	S	
26	Canteen (เก้าอี้)	M3-96	MANUAL	S	S	
27	Canteen (เก้าอี้)	M3-97	HEAT	S	S	
28	Canteen (เก้าอี้)	M3-97	HEAT	S	S	
29	Canteen (เก้าอี้)	M3-97	HEAT	S	S	
30	Canteen (เก้าอี้)	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)

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 23 February 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]

[illegible]

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

Remark:

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 : **23 February 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	ห้อง 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:

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 23 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

Remark:

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 : 23 February 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 228.9 VAC

Charger control panel 27.31 VDC

Battery back up 27.30 VDC

* Battery start 26/6/25 12V 18Ah

TAKACHIHO

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 : 23 February 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 compreser- mac	M2-8	MANUAL	S	S	
15	Air compreser- mac	M2-8	MANUAL	S	S	
16	Air compreser- 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)**

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 : 23 February 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: _____

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 : **23 February 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 Supervisory	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 แห้ง	S	S	
72	SOLID WASTE	M2-12	HEAT แห้ง	S	S	
73	SOLID WASTE	M2-12	HEAT แห้ง	S	S	
74	SOLID WASTE	M2-12	HEAT แห้ง	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 แห้ง	S	S	
87	CPL PAINT STORE	M1-25	HEAT แห้ง	S	S	
88	CPL PAINT STORE	M1-25	HEAT แห้ง	S	S	
89	CPL PAINT STORE	M1-25	HEAT แห้ง	S	S	

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

Remark: _____

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 : **23 February 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 storage wast zone 6	M3-34	MANUAL	S	S	
2	Mcl-2 coil and storage wast zone 6	M3-35	MANUAL	S	S	
3	Mcl-2 coil and storage wast zone 6	M3-36	MANUAL	S	S	
4	Mcl-2 coil and storage wast zone 6	M3-37	MANUAL	S	S	
5	Mcl-2 coil and storage central zone 5	M3-33	MANUAL	S	S	
6	Mcl-2 coil and storage central zone 5	M3-29	MANUAL	S	S	
7	Mcl-2 coil and storage east zone 4	M3-23	MANUAL	S	S	
8	Mcl-2 coil and storage east zone 4	M3-24	MANUAL	S	S	
9	Mcl-2 coil and storage 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 storage east zone 4	M3-27	MANUAL	S	S	
12	Mcl-2 coil and storage east zone 4	M3-28	MANUAL	S	S	
13	Mcl-2 Ingot storage Zone 3	M3-16	MANUAL	S	S	
14	Mcl-2 Ingot storage Zone 3	M3-17	MANUAL	S	S	
15	Mcl-2 Ingot storage Zone 3	M3-18	MANUAL	S	S	
16	Mcl-2 coil and storage 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 storage 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 storage central zone 5	M3-31	MANUAL	S	S	
21	Mcl-2 coil and storage 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 :

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 23 February 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

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

Remark :

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 : 23 February 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 229.7 VAC

Charger control panel 27.35 V.dc

Battery back up 27.31 V.dc start using 26/6/25

TAKACHIHO

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 : 23 February 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

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 : 23 February 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
<u>1. Fire Alarm Control Panel</u>			
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	
<u>2. Annunciator Panel</u>			
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 229.3 VAC

Charger control panel 27.49 Vdc.

Battery back up 27.42 Vdc. (Start 26/6/25) 12V 7.5 Ah.

TAKACHIHO

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 23 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

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

FUNCTION TEST FIRE ALARM SYSTEM

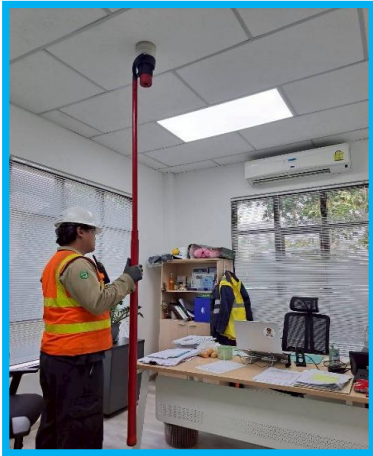


Figure 1.

Remark :

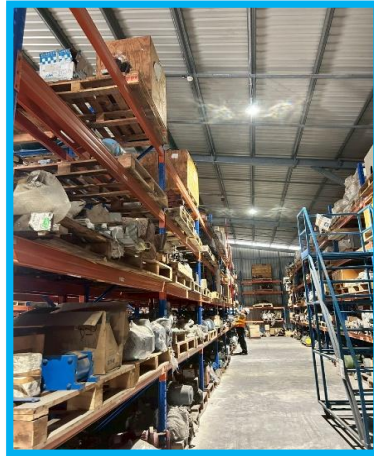


Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :

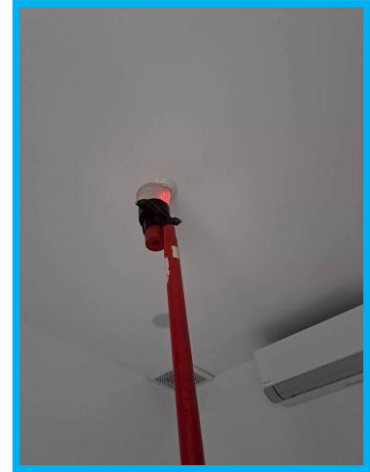


Figure 6.

Remark :

INERGEN SYSTEM

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 : 20 February 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>	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	
<u>2. Equipment</u>			
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	
<u>3. Mechanical</u>			
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 27.05 Vdc.

Battery back up 27.01 Vdc. (start using 5/3/24)

TAKACHIHO

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 : 20 February 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

[illegible]

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

Remark : clean and test detector function test o.k

* 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 horn တံဘဲ, Alarm 2 stobe light တံဘဲ

* Manual release strobe horn active

TAKACHIHO

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 : 20 February 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 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 228.4 VAC

Charger control panel 27.15 VDC

Battery back up 27.13 VDC (start using 20/11/24)

TAKACHIHO

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 : 20 February 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

[illegible]

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

Remark : clean and test detector function test normal

* Smoke 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

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 : 20 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM SAVER COMPUTER 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 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 227.8 VAC

Charger control panel 27.20 VDC

Battery back up 27.10 VDC (start using 20/11/24)

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

[illegible]

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

Remark : clean and test detector function test normal

* Some detector cross zone delay times 30 sec.

* Abort switch push to remain 10 sec.

* Manual release push to delay times 30 sec.

TAKACHIHO

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 : 20 February 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>			
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	
<u>2. Equipment</u>			
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	
<u>3. Mechanical</u>			
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 230.5 VAC

Charger control panel 27.32 V.dc

Battery back up 27.30 V.dc Start using (20/11/24)

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 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

[illegible]

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

Remark : clean and test detector function test normal

* Smoke detector cross zone delay times 30 sec.

* Abort switch push to remain 10 sec.

* Manual release push to delay times 30 sec.

TAKACHIHO

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 : 20 February 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 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 230.4 VAC

Charger control panel 27.20 V.dc

Battery back up 27.19 VDC (start using 20/11/24)

TAKACHIHO

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 : 20 February 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

[illegible]

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

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 : 20 February 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 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 230.4 VAC
Charger control panel 27.65 V.dc
Battery back up 27.62 Vdc (start using 27/01/25)

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

TAKACHIHO

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 : 20 February 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

[illegible]

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

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 : 20 February 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 condition of 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 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 26.83 Vdc.

Battery back up 26.81 Vdc. (Start using 27/01/25)

TAKACHIHO

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 : 20 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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 : Strobe ดังเป็น pulse

* Alarm 1 : Strobe ดังเป็น pulse / bell ดังยาว

* Discharge : Stobe ตั้งยาว / bell ตั้งยาว

TAKACHIHO

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 : 20 February 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	ควรมานำไป Hydro test และ Refill
2	CRM EER Room	661141	S	160 bar	Mar-97	Jul-18	ควรมานำไป Hydro test และ Refill
3	CRM EER Room	661362	S	175 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
4	CRM EER Room	661130	S	150 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
5	CRM EER Room	661240	S	170 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
6	CRM EER Room	661300	S	160 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
7	CRM EER Room	661330	S	160 bar	Mar-97	Jul-18	ควรมานำไป Hydro test และ Refill
8	CRM EER Room	661270	S	160 bar	Mar-97	Jul-18	ควรมานำไป 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	ควรมานำไป Hydro test และ Refill
11	CRM EER Room (Master)	661136	S	170 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
12	PKL EER Room	661100	S	155 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
13	PKL EER Room (Master)	661123	S	175 bar	Mar-97	Dec-13	ควรมานำไป 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	ควรมานำไป Hydro test และ Refill
16	PKL EER Room	661218	S	171 bar	Mar-97	Jul-18	ควรมานำไป Hydro test และ Refill
17	PKL EER Room	661131	S	175 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
18	PKL EER Room	661111	S	165 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
19	PKL EER Room	661091	S	169 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
20	PKL EER Room	661160	S	170 bar	Mar-97	Dec-13	ควรมานำไป 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	ควรมานำไป Hydro test และ Refill
24	EER Room (Computer CRM RM)	661404	S	170 bar	Mar-97	Dec-13	ควรมานำไป Hydro test และ Refill
25	EER Room (Computer CRM RM)	661067	S	170 bar	Mar-97	Dec-13	ควรมานำไป 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: ควรมานำไป 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

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 : 20 February 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	ควรนำใบ 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	ควรนำใบ Hydro test และ Refill
17	MCL1 EER ROOM	661367	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
18	MCL1 EER ROOM	661172	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
19	MCL1 EER ROOM	661166	S	160 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
20	MCL1 EER ROOM	661150	S	153 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
21	MCL1 EER ROOM	661337	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
22	MCL1 EER ROOM	661299	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
23	MCL1 EER ROOM	661147	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
24	MCL1 EER ROOM	661225	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
25	MCL1 EER ROOM	661226	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
26	MCL1 EER ROOM	661315	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
27	MCL1 EER ROOM	661207	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
28	MCL1 EER ROOM	661265	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
29	MCL1 EER ROOM	661377	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
30	MCL1 EER ROOM	661291	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill

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

REMARK: **ควรนำใบ Hydro test และ Refill ในจำนวน 16 ถัง**



No. 661211, 661260, 661372, 661303 ไม่มี pressure gauge จำนวน 4 ถัง

Fire suppression system

Location : INERGEN SUB 115KV

[illegible]

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

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

Subject :	PM. Fire Suppression System
Client :	NS BLUE SCOPE STEEL (THAILAND) LTD.
Contract NO :	SC1000320
Issuance Date :	20 February 2026
Inspector :	Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness :	Khun Songpon, Khun Sonthaya

Location : INERGEN Server | Support Building

[illegible]

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

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

FUNCTION TEST INERGEN SYSTEM



Figure 1.

Remark :

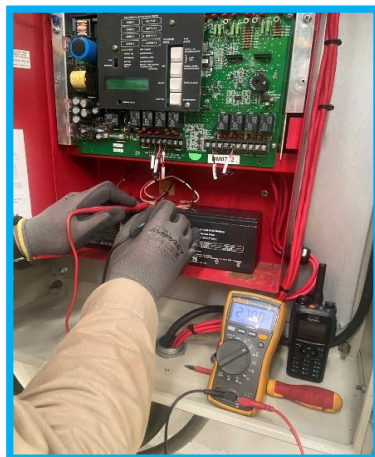


Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

FM-200 SYSTEM

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 : 20 February 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 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 229.9 VAC

Charger control panel 27.52 V.dc

Battery back up 27.51 V.dc (strt using 23/7/25)

* Smoke detector zone 2 อุปกรณ์เสีย 1 ea

TAKACHIHO

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 : 20 February 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

[illegible]

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 တံခွန်, Alarm 2 stobe horn တံခွန်, Release stobe horn, Stobe light တံခွန်

* Manual stobe horn, stobe light ทำงาน

* ควรติดตั้ง horn&strobe ภายในห้อง EER room (PKL)

TAKACHIHO

FUNCTION TEST FM-200 SYSTEM



Figure 1.

Remark :

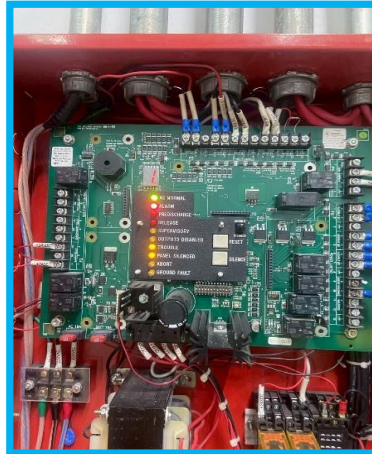


Figure 2.

Remark :

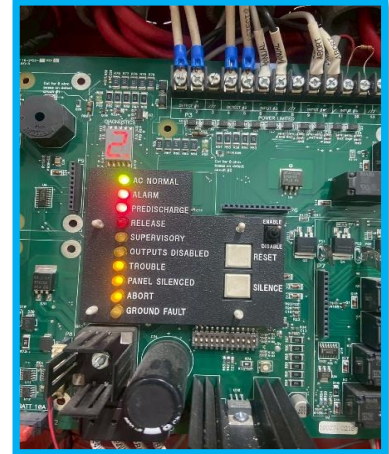


Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

CO2 SYSTEM

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 : 20 February 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>			
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	
<u>2. Equipment</u>			
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	
<u>3.Mechanical</u>			
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 27.21 VDC
 Battery back up 27.18 VDC (Start Using 22/10/25)

Subject : PM. Fire Suppression CO2 System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 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

[illegible]

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 တံခွန်, Alarm 2 bell တံခွန်

* Discharge stobe horn, bell ทำงาน



AREA : Transformer XFHV-12

DATE : 20 February 2026

[illegible]

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 : _____

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

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

FUNCTION TEST CO2 SYSTEM

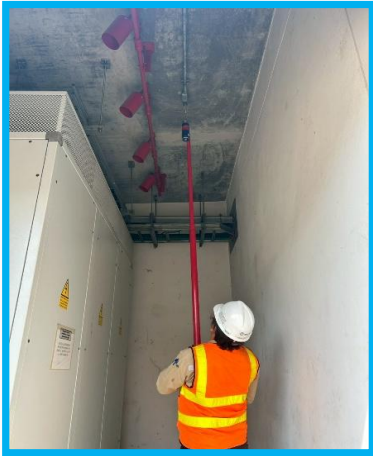


Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

NITROGEN FIRE SUPPRESSION SYSTEM

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 : 20 February 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 230.2 VAC

Charger control panel 26.69 VDC

Battery back up 26.57 VDC (Replace Battery 26/2/24)

* Smoke detector zone 1 อุปกรณ์เสีย test ไม่ส่ง alarm จำนวน 1 ea

TAKACHIHO

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 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

[illegible]

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)

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 : 20 February 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 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 230.1 VAC

Charger control panel 26.41 VDC

Battery back up 26.29 VDC (Replace Battery 26/2/24)

* 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

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 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

[illegible]

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

* Strobe/horn alarm 2 ดังเป็นแพร์

* Stobe/horn discharge ดังเร็วถี่ขึ้น (OP84)

TAKACHIHO

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 : 20 February 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 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 230.4 VAC

Charger control panel 26.64 VDC

Battery back up 26.50 VDC (Replace Battery 26/2/24)

**By pass pressure gauge by tank no. 1,2,3,10,11,15

TAKACHIHO

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 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

[illegible]

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

* Strobe/horn alarm 2 ดังเป็นแพทช์

* Stobe/horn discharge ดังเร็วถี่ขึ้น

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 : 20 February 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 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 229.4 VAC

Charger control panel 26.51 VDC

Battery back up 26.43 VDC (Replace Battery 26/2/24)

TAKACHIHO

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 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

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 ดังเป็นพัลลภ
- * Discharge stobe/horn ดังเร็กซีขึ้น

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 : 20 February 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 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 229.1 VAC

Charger control panel 27.21 VDC

Battery back up 27.14 VDC (Start using 22/10/25)

* Smoke detector zone 2 อุปกรณ์เสีย 1 ea

TAKACHIHO

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 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

[illegible]

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

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 : 20 February 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 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 230.4 VAC

Charger control panel 27.25 VDC

Battery back up 27.18 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

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 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

[illegible]

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.

Location : NITROGEN MCL 2 (COATING PORT EER ROOM)

S = Satisfactory US = Unsatisfactory N/A = Not Applicable
REMARK: <u>ควรนำไป Hydro test และ Refill ใหม่ จำนวน 15 ถัง</u>

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

REMARK: คำนวณไป Hydro test และ Refill ใหม่ จำนวน 8 ถัง

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PLC & COMPUTOR ROOM)

[illegible]

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

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

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 20 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PREMALT ROOM)

[illegible]

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

REMARK: คำนวณไป Hydro test และ Refill ใหม่ จำนวน 4 ถัง

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 : 20 February 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		ควรมานำไป Hydro test และ Refill
2	MCL 2 EER ROOM	1573249 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
3	MCL 2 EER ROOM	1573088 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
4	MCL 2 EER ROOM	1559588 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
5	MCL 2 EER ROOM	1573348 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
6	MCL 2 EER ROOM	1559993 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
7	MCL 2 EER ROOM	1560025 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
8	MCL 2 EER ROOM	1559959 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
9	MCL 2 EER ROOM	1573333 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
10	MCL 2 EER ROOM	1573259 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
11	MCL 2 EER ROOM	1573145 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
12	MCL 2 EER ROOM	1573188 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
13	MCL 2 EER ROOM	1573205 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
14	MCL 2 EER ROOM	1573087 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
15	MCL 2 EER ROOM	1573204 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
16	MCL 2 EER ROOM	1573199 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
17	MCL 2 EER ROOM	1560141 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
18	MCL 2 EER ROOM	1559946 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
19	MCL 2 EER ROOM	1560058 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
20	MCL 2 EER ROOM	1559915 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
21	MCL 2 EER ROOM	1559651 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
22	MCL 2 EER ROOM	1573374 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
23	MCL 2 EER ROOM	1573355 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
24	MCL 2 EER ROOM	1573271 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
25	MCL 2 EER ROOM	1573220 UT	S	240 bar	Dec-03		ควรมานำไป Hydro test และ Refill
26	MCL 2 EER ROOM	1559934 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
27	MCL 2 EER ROOM	1560119 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
28	MCL 2 EER ROOM	1573247 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
29	MCL 2 EER ROOM	1573331 UT	S	215 bar	Dec-03		ควรมานำไป Hydro test และ Refill
30	MCL 2 EER ROOM	1560070 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill

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

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

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

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 : 20 February 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

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 : 20 February 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

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 : 20 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

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

FUNCTION TEST NITROGEN SYSTEM

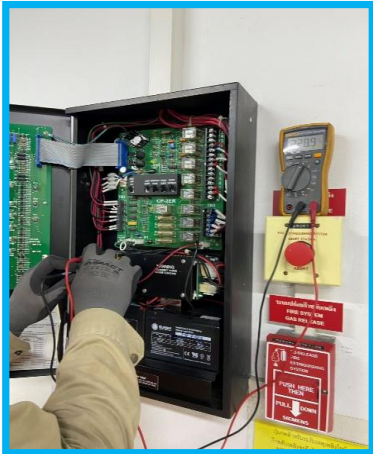


Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :

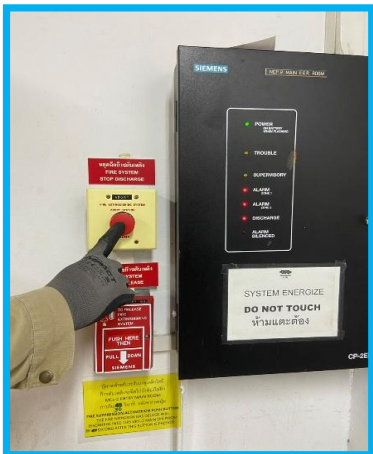


Figure 4.

Remark :

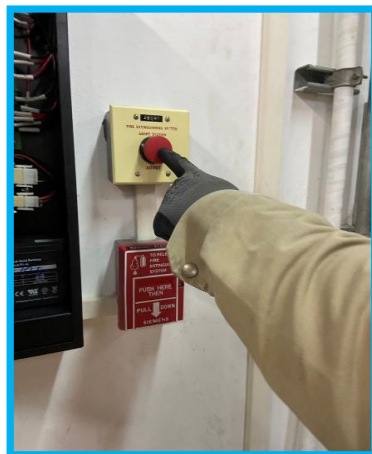


Figure 5.

Remark :



Figure 6.

Remark :

DELUGE SYSTEM

SYSTEM COMPONENTS



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 under " Remark "
- 7 Control Valve : Operate each control valve through its full range and return to its normal position.
(Seal or relock if appropriate) 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 "

AUTOMATIC SPRINKLER SYSTEM

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 each control valve through its full range and return to its normal position. (Seal or relock if appropriate) 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

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **21 February 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	165	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	165	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	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 : _____

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **21 February 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	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	160	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	150	175	N/A	N/A	N/A	S	S	S	S	S	S	

Remark : _____

Comment : _____

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **21 February 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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **21 February 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	175	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	175	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **21 February 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	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	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	175	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **21 February 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-2generator	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-1generator	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 ขาด 2 ตัว

(Pressure gauge บนเข็มไม่ตรง , Pressure gauge ล่างเข็มหลุด)

Comment :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **21 February 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	165	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 : _____

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 : 21 February 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 26.50 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

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 : 21 February 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 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 check the 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 26.38 vdc. (Use since 1/25) Clean & check system control
control panel system normal

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 : 21 February 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 solenoid 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 selector valve and function test	N/A	N/A	
2.8 Check condition of all alarm device and testing	N/A	N/A	
3. Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 check the 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 26.62 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

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 : 21 February 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 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 check the 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 26.27 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

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 : 21 February 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 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 check the 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 27.43 vdc (Use since 30/4/24) Clean & check system control
control panel system normal

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 : 21 February 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 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 check the 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 26.78 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

Subject : **PM. FIRE PROTECTION SYSTEM (Deluge Valve)**
 Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**
 Contract NO : **SC1000320**
 Installation Date : **21 February 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

[illegible]

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

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

TAKACHIHO

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 : 21 February 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 solenoid 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 selector valve and function test	N/A	N/A	
2.8 Check condition of all alarm device and testing	N/A	N/A	
3. Mechanical			
3.1 check pipe system and nozzle for physical damage.	N/A	N/A	
3.2 check the 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 27.25 vdc. (Use since 06/2023) Clean & check system control
control panel system normal

* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 21 February 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

[illegible]

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

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

TAKACHIHO

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 : 21 February 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 solenoid 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 selector valve and function test	N/A	N/A	
2.8 Check condition of all alarm device and testing	N/A	N/A	
3. Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check the 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 27.38 vdc. (Use since 06/2023) Clean & check system control
control panel system normal

* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
 Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
 Contract NO : SC1000320
 Installation Date : 21 February 2026
 Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
 Witness : Khun Songpon, Khun Sonthaya

[illegible]

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

FUNCTION TEST AUTOMATIC SPRINKLER & ALARM VALVE SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

FIRE HYDRANT SYSTEM

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
 Date : 21 February 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-Paint Store)	CPL.BLDG	MCL-1	PKL-OP15	CHEMICAL STORE	CRM. Cooling tower	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

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
Date : 21 February 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

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

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Contractor Name: PM. Fire Protection System

Area : NS blue scope steel

Date : 21 February 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

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
Date : 21 February 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

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
Date : 21 February 2026
Site : Rayong

Description		Equipment No.								REMARKS
		NO.37	NO.38							
		<i>mcl-2/hose 56</i>	<i>CRM</i>							
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

FUNCTION TEST FIRE HYDRANT SYSTEM



Figure 1.

Figure 2.

Figure 3.

Remark :

Remark :

Remark :

**FIRE HOSE CABINET AND HOSE
SYSTEM**

Inspection Report

FIRE HOSE CABINET AND FIRE HOSE

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 21 February 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

FUNCTION TEST FIRE HOSE CABINET AND HOSE SYSTEM



Figure 1.



Figure 2.

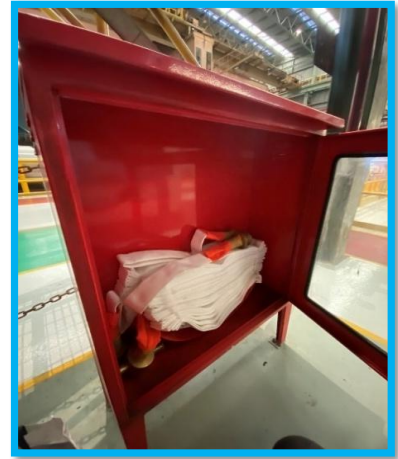


Figure 3.

Remark :

Remark :

Remark :

**FIRE HOSE REEL OR STANDPIPE
AND HOSE SYSTEM**

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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: _____

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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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	
		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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

 OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

 Area : NS blue scope steel

 Project name: PM. Fire Protection System

 Date : 22 January 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 SERVICES	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	

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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 เกลี่ยถูกกัดกร่อนเป็นสนิม

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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 22 January 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 FI.3	MCL FI.4	MCL FI.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

FUNCTION TEST FIRE HOSE REEL SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



FIRE PUMP

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 I	
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	76 °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	2562
8	HOUR RUNNING ก่อน test 1720.5	1721.4
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	42/48 °C
3	DISCHARGE PRESSURE	145
4	SUCTION PRESSURE	0 Psi
5	NOISE	Normal
6	COUPLING	Normal
7	CHECKED FOR WATER LEAK #	Abnormal
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

* ไม่สามารถทดสอบ engine pump ในเวลา 30 นาทีได้ เนื่องจากท่อตัน discharge มีรอยรั่วตามด

Subin, Pattanasit, Somkid, Anuchit, Perakant

27-Feb-26

Takachiho Fire, Security & Services (Thailand) Limited

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	76 °C
2	WATER LEVEL	Normal
3	OIL LEVEL	Normal
4	OIL PRESSURE	4.5 Bar
5	VOLTS. (CHARGING ALTERNATOR)	13.3, 13.1
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	2970
8	HOUR RUNNING ก่อน test	111.1
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	49/52 °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	13.3 , 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

Subin, Pattanasit, Somkid, Anuchit, Perakant

27-Feb-26

Takachiho Fire, Security & Services (Thailand) Limited

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
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	30/30 °C
3	VOLTS	393, 392, 394
4	AMP.	111, 110, 119
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	36/36 °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	MAGNETIC 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 magnetic terminal

Subin, Pattanasit, Somkid, Anuchit, Perakant

27-Feb-26

Takachiho Fire, Security & Services (Thailand) Limited

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
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	35 °C
3	VOLTS	399, 399, 398
4	AMP	7.4, 7.3, 7.4
5	SPEED RUNNING (RPM.)	2670
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	MAGNETIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	115 Psi
	CUT OFF	170 Psi

RECOMMENDATION

Cleaned to motor pump and check magnetic terminal

Function test pump Auto/Manual normal

Subin, Pattanasit, Somkid, Anuchit, Perakant

27-Feb-26

Takachiho Fire, Security & Services (Thailand) Limited

FUNCTION TEST FIRE PUMP SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :

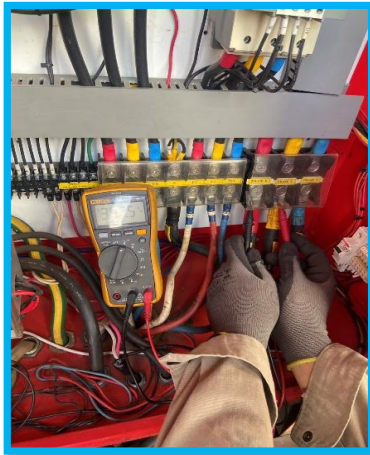


Figure 5.

Remark :



Figure 6.

Remark :



Figure 7.

Remark :



Figure 8.

Remark :



Figure 9.

Remark :

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

NS BLUESCOPE (THAILAND) LIMITED (MCL3)

Preventive Maintenance for Fire Protection System

On February 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

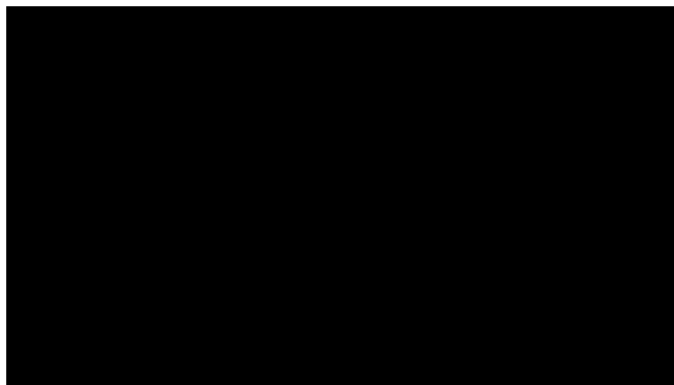
INSPECTION, TEST AND PREVENTIVE MAINTENANCE FOR

Fire Protection and Fire Detection System

Customer : NS Blue Scope Steel (Thailand) Ltd. (MCL 3)

Report Date : 4 March 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 : February 2026
Pervious month Outstanding update
February 2026 Result

Item	Inspection Description	Point / Device		Location		Recommment	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)									
		RCP 2	Battery = 2 ea	Pot EER	Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี	should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา
		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 สำหรับคู่ control engine fire pump อุปกรณ์เสื่อม (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

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

Review By

Date

Sign Off By

Date

Songpon Soontaros
PSV Senior Engineer

Plant Service & Engineering Project Manager

FIRE ALARM SYSTEM

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 : 26 February 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
<u>1. Fire Alarm Control Panel</u>		
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	S	
1.6 Visual check condition of battery and housing of battery	S	
1.7 Cleaning of FCP	S	
<u>2. Annunciator Panel</u>		
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 230.2 VAC

Charger control panel 27.31 VDC

Battery back up 27.28 VDC (start 27/6/24)

* Power supply panel box no.1

* Power supply panel box no.2

AC power supply : 231.6 VAC

AC power supply : 231.03 VAC

Battery back up : 26.83 Vdc. (Start 3/8/23)

Battery back up : 27.25 Vdc. (Start 3/8/23)

Charge control : 26.81 Vdc.

Charge control : 27.24 Vdc.

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

TAKACHIHO

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 : 26 February 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: _____

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 : 26 February 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: _____

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 : 26 February 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 ไม่ทำงาน (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: _____

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 : 26 February 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: _____

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 : 26 February 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: _____

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 : **26 February 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	แก้ไขเปลี่ยนอุปกรณ์แล้ว
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: _____

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 : 26 February 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 229.4 VAC

Charger control panel 26.95 Vdc (Start 27/6/25)

Battery back up 26.91 Vdc

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

TAKACHIHO



TAKACHIHO
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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 : 26 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

Remark: _____

FUNCTION TEST FIRE ALARM SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :

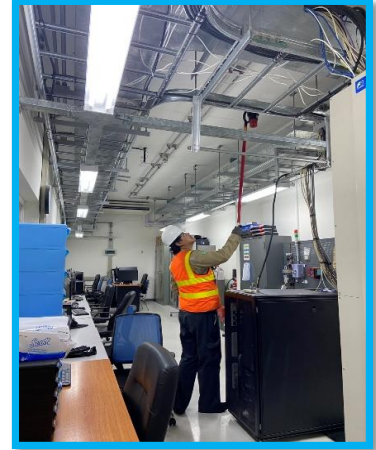


Figure 3.

Remark :

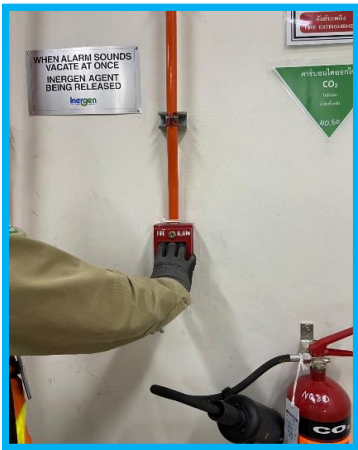


Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

INERGEN SYSTEM

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 February 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 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 231.4 VAC

Charger control panel 27.10 V.dc

Battery back up 27.08 V.dc (Start using 29/2/24)

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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 February 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

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 February 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 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 228.1 VAC

Charger control panel 27.32 VDC

Battery back up 27.27 VDC (Start using 30/5/66)

* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

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Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 25 February 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)

[illegible]

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

Remark : The function test detector system working is properly

* Smoke detector cross zone delay times 60 sec.

* Abort switch push to original time 60 sec.

* Manual release push to discharge.

TAKACHIHO

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 February 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 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 228.4 VAC

Charger control panel 27.40 VDC

Battery back up 27.35 VDC (Start using 28/7/25)

*

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 25 February 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)

[illegible]

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

Remark : The function test detector system working is properly

* Smoke detector cross zone delay times 60 sec.

* Abort switch push to original time 60 sec.

* Manual release push to discharge.

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 February 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 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	

Y = Satisfactory N = Unsatisfactory N/A = Not Applicable

Remark : AC Power 230.4 VAC

Charger control panel 27.50 Vdc.

Battery back up 27.31 Vdc. (Start using 28/7/25)

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 25 February 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)

[illegible]

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

Remark : The function test detector system working is properly

* Smoke detector cross zone delay times 60 sec.

* Abort switch push to original time 60 sec.

* Manual release push to discharge.

TAKACHIHO

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 February 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 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 230.1 VAC

Charger control panel 27.41 Vdc.

Battery back up 27.37 Vdc. (Start using 28/7/25)

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 25 February 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)

[illegible]

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

Remark : The function test detector system working is properly

* Smoke detector cross zone delay times 60 sec.

* Abort switch push to original time 60 sec.

* Manual release push to discharge.

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INERGEN CYLINDER SYSTEM

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 February 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		ควรมี Hydro test และ Refill
3	MCL-3 ENTRY EER ROOM	14103933	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
4	MCL-3 ENTRY EER ROOM	14104537	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
5	MCL-3 ENTRY EER ROOM	14104168	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
6	MCL-3 ENTRY EER ROOM	14103957	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
7	MCL-3 ENTRY EER ROOM	14104026	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
8	MCL-3 ENTRY EER ROOM	14104020	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
9	MCL-3 ENTRY EER ROOM	14104100	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
10	MCL-3 ENTRY EER ROOM	14104196	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
11	MCL-3 ENTRY EER ROOM	14103998	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
12	MCL-3 ENTRY EER ROOM	14104014	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
13	MCL-3 ENTRY EER ROOM	14104015	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
14	MCL-3 ENTRY EER ROOM	14104108	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
15	MCL-3 ENTRY EER ROOM	14104013	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
16	MCL-3 ENTRY EER ROOM	14104240	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
17	MCL-3 ENTRY EER ROOM	14104215	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
18	MCL-3 ENTRY EER ROOM	14104202	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
19	MCL-3 ENTRY EER ROOM	14104188	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
20	MCL-3 ENTRY EER ROOM	14104126	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
21	MCL-3 ENTRY EER ROOM	14104008	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
22	MCL-3 ENTRY EER ROOM	14104754	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
23	MCL-3 ENTRY EER ROOM	14103987	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
24	MCL-3 ENTRY EER ROOM	14104110	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
25	MCL-3 ENTRY EER ROOM	14103951	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
26	MCL-3 ENTRY EER ROOM	14104079	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
27	MCL-3 ENTRY EER ROOM	14104129	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
28	MCL-3 ENTRY EER ROOM	14104124	S	4350 Psi	Aug-17		ควรมี 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		ควรมี Hydro test และ Refill

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

REMARK:

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 February 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		ควรมานำ Hydro test และ Refill
32	MCL-3 ENTRY EER ROOM	14104569	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
33	MCL-3 ENTRY EER ROOM	14104529	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
34	MCL-3 ENTRY EER ROOM	14104583	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
35	MCL-3 ENTRY EER ROOM	14104568	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
36	MCL-3 ENTRY EER ROOM	14104016	S	4350 Psi	Aug-17		ควรมานำ 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		ควรมานำ 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		ควรมานำ Hydro test และ Refill
41	MCL-3 ENTRY EER ROOM	14104786	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
42	MCL-3 ENTRY EER ROOM	141071912	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
43	MCL-3 ENTRY EER ROOM	14104160	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
44	MCL-3 ENTRY EER ROOM	14104273	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
45	MCL-3 ENTRY EER ROOM	14104268	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
46	MCL-3 ENTRY EER ROOM	14104024	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
47	MCL-3 ENTRY EER ROOM	14104253	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
48	MCL-3 ENTRY EER ROOM	14104101	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
49	MCL-3 ENTRY EER ROOM	14104247	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
50	MCL-3 ENTRY EER ROOM	14104035	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
51	MCL-3 ENTRY EER ROOM	14104142	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
52	MCL-3 ENTRY EER ROOM	14104032	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
53	MCL-3 ENTRY EER ROOM	14104138	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
54	MCL-3 ENTRY EER ROOM	14104157	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
55	MCL-3 ENTRY EER ROOM	14104264	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
56	MCL-3 ENTRY EER ROOM	14104002	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
57	MCL-3 ENTRY EER ROOM	14103977	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
58	MCL-3 ENTRY EER ROOM	13607784	S	112 Psi (Pilot)	Aug-17		over pressure, ควรมานำ Hydro test และ Refill

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

REMARK:

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 February 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		ควรมี Hydro test และ Refill
2	MCL 3 PORT EER ROOM	14104036	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
3	MCL 3 PORT EER ROOM	14104270	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
4	MCL 3 PORT EER ROOM	14104281	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
5	MCL 3 PORT EER ROOM	14103980	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
6	MCL 3 PORT EER ROOM	14104081	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
7	MCL 3 PORT EER ROOM	14104287	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
8	MCL 3 PORT EER ROOM	14104544	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
9	MCL 3 PORT EER ROOM	14104210	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
10	MCL 3 PORT EER ROOM	14104284	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
11	MCL 3 PORT EER ROOM	14104254	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
12	MCL 3 PORT EER ROOM	14104164	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
13	MCL 3 PORT EER ROOM	14104012	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
14	MCL 3 PORT EER ROOM	14104060	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
15	MCL 3 PORT EER ROOM	14104139	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
16	MCL 3 PORT EER ROOM	14104000	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
17	MCL 3 PORT EER ROOM	14104010	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
18	MCL 3 PORT EER ROOM	14104004	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
19	MCL 3 PORT EER ROOM	14104080	S	4350 Psi	Aug-17		ควรมี 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		ควรมี Hydro test และ Refill
22	MCL 3 PORT EER ROOM	14104785	S	4350 Psi	Aug-17		ควรมี Hydro test และ Refill
23	MCL 3 PORT EER ROOM	13688607	S	100 bar (Pilot)	Aug-17		ควรมี Hydro test และ Refill

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

REMARK: _____

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 February 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		ควรมีไฮโดรเทส และ Refill
2	MCL 3 EXIT EER ROOM	14104091	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
3	MCL 3 EXIT EER ROOM	14104099	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
4	MCL 3 EXIT EER ROOM	14104007	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
5	MCL 3 EXIT EER ROOM	14104262	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
6	MCL 3 EXIT EER ROOM	14104289	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส 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		ควรมีไฮโดรเทส และ Refill
9	MCL 3 EXIT EER ROOM	14104028	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
10	MCL 3 EXIT EER ROOM	14104031	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
11	MCL 3 EXIT EER ROOM	14104019	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
12	MCL 3 EXIT EER ROOM	14071139	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
13	MCL 3 EXIT EER ROOM	14056469	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
14	MCL 3 EXIT EER ROOM	14056611	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
15	MCL 3 EXIT EER ROOM	14104577	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
16	MCL 3 EXIT EER ROOM	14071800	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส 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		ควรมีไฮโดรเทส และ Refill
19	MCL 3 EXIT EER ROOM	14104909	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
20	MCL 3 EXIT EER ROOM	14056837	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
21	MCL 3 EXIT EER ROOM	14071192	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส 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		ควรมีไฮโดรเทส และ Refill
24	MCL 3 EXIT EER ROOM	14104027	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
25	MCL 3 EXIT EER ROOM	14104025	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
26	MCL 3 EXIT EER ROOM	14103193	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
27	MCL 3 EXIT EER ROOM	14104045	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
28	MCL 3 EXIT EER ROOM	14104130	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส 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		ควรมีไฮโดรเทส และ Refill

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

REMARK:



Subject : PM. Inergen system

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 25 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Exit EER Inergen Room

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

REMARK:



Subject :	PM. Inergen system
Client :	NS BLUE SCOPE STEEL THAILAND(MCL3)
REF.Contract NO :	24 time / 2 year
Inspection Date :	25 February 2026
Inspector :	Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness :	Khun Songpon, Khun Sonthaya
Location :	MCL-3 MV EER Inergen Room

[illegible]

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

REMARK:



Subject :	PM. Inergen system
Client :	NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
REF.Contract NO :	24 time / 2 year
Inspection Date :	25 February 2026
Inspector :	Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness :	Khun Songpon, Khun Sonthaya
Location :	MCL-3 PLC & Computer Inergen Room

[illegible]

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

REMARK: No. 14104757 low pressure = 1 ถัง

FUNCTION TEST INERGEN SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :

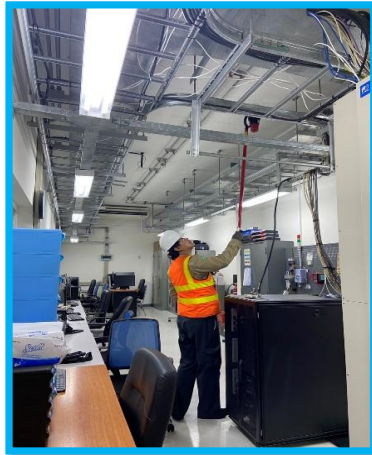


Figure 5.

Remark :

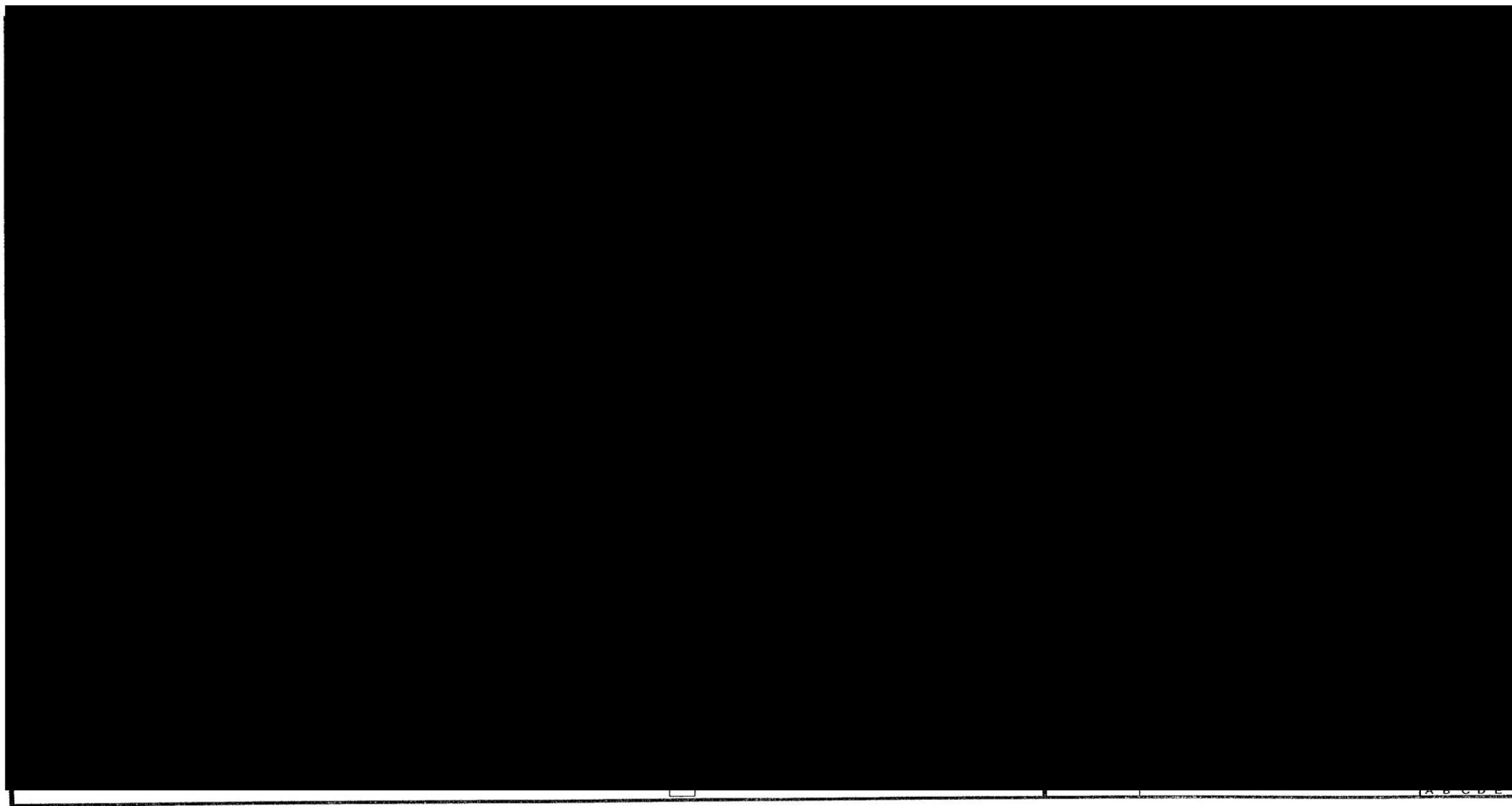


Figure 6.

Remark :

DELUGE SYSTEM

SYSTEM COMPONENTS



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 under " Remark "
- 7 Control Valve : Operate each control valve through its full range and return to its normal position. (Seal or relock if appropriate) 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 "

AUTOMATIC SPRINKLER SYSTEM

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 each control valve through its full range and return to its normal position. (Seal or relock if appropriate) 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: _____	

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **26 February 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	155	170	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	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	165	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

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **26 February 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	155	160	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	160	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	155	170	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :

DV-6 Pressure gauge ด้านล่างรั้วซึม

DV-8 Pressure gauge ด้านล่างรั้วซึม

DV-7 Pressure gauge ด้านล่างรั้วซึม ด้านบนรั้วซึม

DV-9 Pressure gauge ด้านล่างรั้วซึม

Comment :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **26 February 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	160	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	150	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	165	175	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	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	150	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **26 February 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	155	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	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	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	150	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **26 February 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	160	170	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	160	175	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	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **26 February 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	155	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	155	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	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	150	180	N/A	N/A	S	S	S	S	S	S	N/A	

Remark : _____

Comment : _____

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **26 February 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	160	180	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	175	N/A	N/A	S	S	S	S	S	S	N/A	

Remark : _____

Comment : _____

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 February 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 selector 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 231.5 VAC.

Charger 27.86 VDC.

Battery 27.83 VDC.

* Function test manual ไม่มีสัญญาณ alarm ส่งไปที่ตู้ control fire alarm

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 February 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Coater Room / Local / Fire Fighting System Control Panel

[illegible]

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

FUNCTION TEST AUTOMATIC SPRINKLER SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :

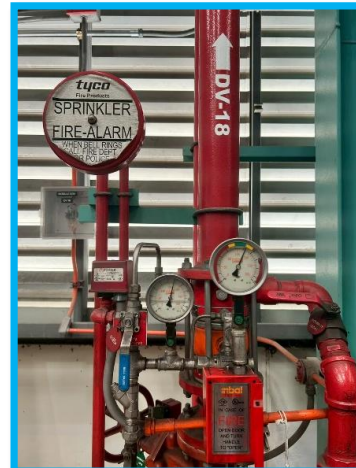


Figure 6.

Remark :

FIRE HYDRANT SYSTEM

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)
 Contractor Name: PM. Fire Protection System

Area : NS blue scope steel
 Date : 24 January 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

FUNCTION TEST FIRE HYDRANT SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

FIRE HOSE CABINET

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 : 24 January 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

FUNCTION TEST FIRE HOSE CABINET SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :

Figure 4.

Remark :

Figure 5.

Remark :

Figure 6.

Remark :

**FIRE HOSE REEL OR
STANDPIPE AND HOSE
SYSTEM**

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 24 January 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-3 BC30	MCL-3 BC25	MCL-3 BC20	MCL-3 BC13	MCL-3 BC8	MCL-3 BC4	MCL-3 B14	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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

 OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

 Area : NS blue scope steel

 Date : 24 January 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

 OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

 Area : NS blue scope steel

 Project name: PM. Fire Protection System

 Date : 24 January 2026

 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

FUNCTION TEST FIRE HOSE REEL SYSTEM



Figure 1.

Figure 2.

Figure 3.

Remark :

Remark :

Remark :

FIRE PUMP

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)	13.6 / 14.0
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	1761
8	HOUR RUNNING	39.3
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	0.4 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	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

26-Feb-26

Takachiho Fire, Security & Services (Thailand) Limited

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
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	390 / 388 / 386
4	AMP.	285 / 285 / 283
5	SPEED RUNNING (RPM.)	1497
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	26/31 °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	MAGNETIC 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

26-Feb-26

Takachiho Fire, Security & Services (Thailand) Limited

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	27 °C
3	VOLTS	390 / 392 / 391
4	AMP	5.8 / 5.9 / 5.8
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	MAGNETIC 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

26-Feb-26

Takachiho Fire, Security & Services (Thailand) Limited

FUNCTION TEST FIRE PUMP SYSTEM



Figure 1.

Remark :

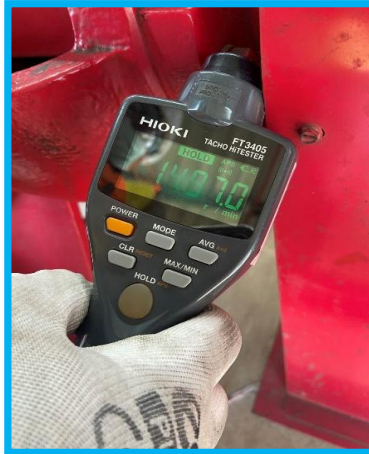


Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :



Figure 7.

Remark :

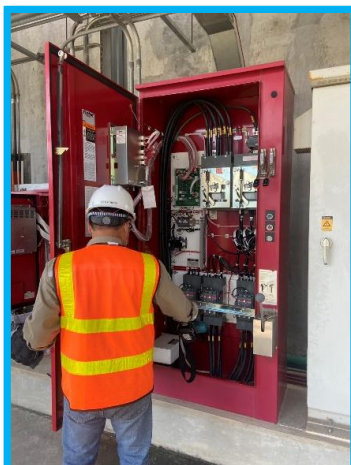


Figure 8.

Remark :



Figure 9.

Remark :

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

NS BLUESCOPE (THAILAND) LIMITED

Preventive Maintenance for Fire Protection System

On March 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

INSPECTION, TEST AND PREVENTIVE MAINTENANCE

FOR

Fire Protection and fire Detection System

Customer : NS Blue Scope Steel Thailand

Report Date : 9 April 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



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 ตั้ง	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 ตั้ง	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	TK เสนอราคา
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 ตั้ง	COATING PORT EER ROOM,PL&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



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	☐ Low	☒ Medium	☐ 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	☐ Low	☒ Medium	☐ High	
		Fire hydrant No.14	ฝา cap	canteen	ฝา cap แตกชำรุด 1 ea	Should replace	☐ Low	☒ Medium	☐ High	
8	Fire pump system (Monthly)	Engine pump no.1	Discharge pressure	MCL-1	ไม่สามารถทดสอบ engine pump ในเวลา 30 นาทีได้เนื่องจากท่อตัน discharge pressure มีรอยรั่วตามด	Should replace	☐ Low	☒ Medium	☐ High	แก้ไขแล้ว
		Engine pump no.2	Air vent	MCL-1	Air vent สำหรับ pump no. 2 เสื่อมสภาพ มีน้ำรั่วซึม	Should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา
9	Emergency light & Exit light (Every One Months)									
		Emergency Light								
		No. 3, 21, 44, 47, 48, 91, 126	อุปกรณ์เสีย = 7 ea	All area	อุปกรณ์เสีย	should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา
		No. 24, 53, 74, 84, 121, 122, 123, 133, 134, 135, 137, 146, 153, 169	Back-up batteries = 14 ea (12 V. / 7.5 Ah.)	All area	Battery deterioratation	should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา
		Emergency Exit Light								
		No. 20	Back-up batteries = 1 ea (3.6 V. / 1800 mAh.)	All area		should replace	☐ Low	☐ Medium	☐ High	TK เสนอราคา
		No. 75, 83	อุปกรณ์เสีย = 2 ea	All area	อุปกรณ์เสีย	should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา

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

Review By

Date

Sign Off By

Date

Songpon Soontaros
PSV Senior Engineer

Plant Service & Engineering Project Manager

FIRE ALARM SYSTEM

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 : 26 March 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
<u>1. Fire Alarm Control Panel</u>		
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	
<u>2. Annunciator Panel</u>		
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 27.23 VDC

Battery back up 27.20 VDC (start 26/6/25) 12V 18Ah

TAKACHIHO

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 : 26 March 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 training 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: _____

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 26 March 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]

[illegible]

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

Remark: _____

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 : 26 March 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 229.3 VAC

Charger control panel 27.34 VDC

Battery back up 27.33 VDC (start 26/6/25) 12V 18Ah

Local Power Supply Support Building

AC POWER : 228.8 VAC

Charger control panel : 27.27 VDC

Battery Back Up : 27.26 VDC

Battery Start : 26/6/25

TAKACHIHO

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 : 26 March 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: _____

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 : 26 March 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: _____

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 : 26 March 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]

[illegible]

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

Remark: _____

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 : 26 March 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	MCI. 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 (เก้าอี้)	M3-96	MANUAL	S	S	
26	Canteen (เก้าอี้)	M3-96	MANUAL	S	S	
27	Canteen (เก้าอี้)	M3-97	HEAT	S	S	
28	Canteen (เก้าอี้)	M3-97	HEAT	S	S	
29	Canteen (เก้าอี้)	M3-97	HEAT	S	S	
30	Canteen (เก้าอี้)	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)

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 26 March 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]

[illegible]

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

Remark:

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 : **26 March 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	ห้อง 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:

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 : 26 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

Remark:

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 : 26 March 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 224.5 VAC

Charger control panel 27.23 VDC

Battery back up 27.15 VDC

* Battery start 26/6/25 12V 18Ah

TAKACHIHO

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 : 26 March 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 compreser- mac	M2-8	MANUAL	S	S	
15	Air compreser- mac	M2-8	MANUAL	S	S	
16	Air compreser- 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)**

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 : 26 March 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: _____

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 : **26 March 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 Supervisory	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 แห้ง	S	S	
72	SOLID WASTE	M2-12	HEAT แห้ง	S	S	
73	SOLID WASTE	M2-12	HEAT แห้ง	S	S	
74	SOLID WASTE	M2-12	HEAT แห้ง	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 แห้ง	S	S	
87	CPL PAINT STORE	M1-25	HEAT แห้ง	S	S	
88	CPL PAINT STORE	M1-25	HEAT แห้ง	S	S	
89	CPL PAINT STORE	M1-25	HEAT แห้ง	S	S	

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

Remark: _____

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 : **26 March 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 storage wast zone 6	M3-34	MANUAL	S	S	
2	Mcl-2 coil and storage wast zone 6	M3-35	MANUAL	S	S	
3	Mcl-2 coil and storage wast zone 6	M3-36	MANUAL	S	S	
4	Mcl-2 coil and storage wast zone 6	M3-37	MANUAL	S	S	
5	Mcl-2 coil and storage central zone 5	M3-33	MANUAL	S	S	
6	Mcl-2 coil and storage central zone 5	M3-29	MANUAL	S	S	
7	Mcl-2 coil and storage east zone 4	M3-23	MANUAL	S	S	
8	Mcl-2 coil and storage east zone 4	M3-24	MANUAL	S	S	
9	Mcl-2 coil and storage 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 storage east zone 4	M3-27	MANUAL	S	S	
12	Mcl-2 coil and storage east zone 4	M3-28	MANUAL	S	S	
13	Mcl-2 Ingot storage Zone 3	M3-16	MANUAL	S	S	
14	Mcl-2 Ingot storage Zone 3	M3-17	MANUAL	S	S	
15	Mcl-2 Ingot storage Zone 3	M3-18	MANUAL	S	S	
16	Mcl-2 coil and storage 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 storage 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 storage central zone 5	M3-31	MANUAL	S	S	
21	Mcl-2 coil and storage 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 :

Subject : PM. FIRE ALARM SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 26 March 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

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

Remark :

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 : 26 March 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
<u>1. Fire Alarm Control Panel</u>		
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	
<u>2. Annunciator Panel</u>		
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 229.4 VAC

Charger control panel 27.07 V.dc

Battery back up 27.05 V.dc start using 26/6/25

TAKACHIHO

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 : 26 March 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

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 : 26 March 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
<u>1. Fire Alarm Control Panel</u>			
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	
<u>2. Annunciator Panel</u>			
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 228.97 VAC

Charger control panel 27.27 Vdc.

Battery back up 27.21 Vdc. (Start 26/6/25) 12V 7.5 Ah.

TAKACHIHO

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 : 26 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

FUNCTION TEST FIRE ALARM SYSTEM

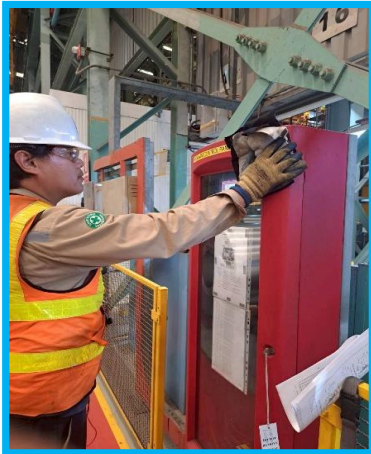


Figure 1.

Remark :



Figure 2.

Remark :

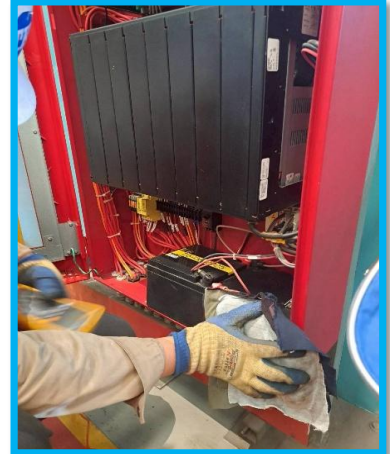


Figure 3.

Remark :

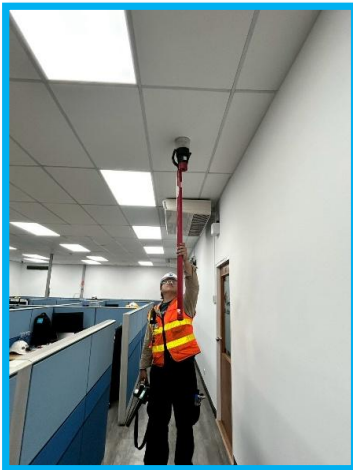


Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

INERGEN SYSTEM

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 : 25 March 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 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 228.4 VAC

Charger control panel 27.10 Vdc.

Battery back up 27.09 Vdc. (start using 5/3/24)

* Battery อายุการใช้งานเกิน 2 ปี จำนวน 2 ea

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

[illegible]

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

Remark : clean and test detector function test o.k

* 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 horn တံခွန်, Alarm 2 stobe light တံခွန်

* Manual release strobe horn active

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 : 25 March 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 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 228.6 VAC

Charger control panel 27.13 VDC

Battery back up 27.11 VDC (start using 20/11/24)

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

[illegible]

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

Remark : clean and test detector function test normal

* Smoke 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

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 : 25 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location of fire alarm control panel : CRM SAVER COMPUTER 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 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 228.4 VAC

Charger control panel 27.22 VDC

Battery back up 27.19 VDC (start using 20/11/24)

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

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

Remark : clean and test detector function test normal

* Smoke detector cross zone delay times 30 sec.

* Abort switch push to remain 10 sec.

* Manual release push to delay times 30 sec.

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 : 25 March 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 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 231.4 VAC

Charger control panel 27.35 V.dc

Battery back up 27.32 V.dc Start using (20/11/24)

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

[illegible]

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

Remark : clean and test detector function test normal

* Smoke detector cross zone delay times 30 sec.

* Abort switch push to remain 10 sec.

* Manual release push to delay times 30 sec.

TAKACHIHO

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 : 25 March 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>			
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	
<u>2. Equipment</u>			
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	
<u>3. Mechanical</u>			
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 27.21 V.dc

Battery back up 27.20 VDC (start using 20/11/24)

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

[illegible]

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

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 : 25 March 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>	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	
<u>2. Equipment</u>			
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	
<u>3. Mechanical</u>			
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 231.5 VAC

Charger control panel 27.66 V.dc

Battery back up 27.62 Vdc (start using 27/01/25)

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

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

[illegible]

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

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 : 25 March 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 condition of 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 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 229.2 VAC

Charger control panel 26.84 Vdc.

Battery back up 26.81 Vdc. (Start using 27/01/25)

TAKACHIHO

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

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 : 25 March 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	ควมำนำป้ Hydro test และ Refill
2	CRM EER Room	661141	S	160 bar	Mar-97	Jul-18	ควมำนำป้ Hydro test และ Refill
3	CRM EER Room	661362	S	175 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
4	CRM EER Room	661130	S	150 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
5	CRM EER Room	661240	S	170 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
6	CRM EER Room	661300	S	160 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
7	CRM EER Room	661330	S	160 bar	Mar-97	Jul-18	ควมำนำป้ Hydro test และ Refill
8	CRM EER Room	661270	S	160 bar	Mar-97	Jul-18	ควมำนำป้ 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	ควมำนำป้ Hydro test และ Refill
11	CRM EER Room (Master)	661136	S	170 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
12	PKL EER Room	661100	S	155 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
13	PKL EER Room (Master)	661123	S	175 bar	Mar-97	Dec-13	ควมำนำป้ 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	ควมำนำป้ Hydro test และ Refill
16	PKL EER Room	661218	S	171 bar	Mar-97	Jul-18	ควมำนำป้ Hydro test และ Refill
17	PKL EER Room	661131	S	175 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
18	PKL EER Room	661111	S	165 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
19	PKL EER Room	661091	S	169 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
20	PKL EER Room	661160	S	170 bar	Mar-97	Dec-13	ควมำนำป้ 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	ควมำนำป้ Hydro test และ Refill
24	EER Room (Computer CRM RM)	661404	S	170 bar	Mar-97	Dec-13	ควมำนำป้ Hydro test และ Refill
25	EER Room (Computer CRM RM)	661067	S	170 bar	Mar-97	Dec-13	ควมำนำป้ 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: ควมำนำป้ 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

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 : 25 March 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	ควรนำใบ 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	ควรนำใบ Hydro test และ Refill
17	MCL1 EER ROOM	661367	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
18	MCL1 EER ROOM	661172	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
19	MCL1 EER ROOM	661166	S	160 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
20	MCL1 EER ROOM	661150	S	153 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
21	MCL1 EER ROOM	661337	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
22	MCL1 EER ROOM	661299	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
23	MCL1 EER ROOM	661147	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
24	MCL1 EER ROOM	661225	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
25	MCL1 EER ROOM	661226	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
26	MCL1 EER ROOM	661315	S	150 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
27	MCL1 EER ROOM	661207	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
28	MCL1 EER ROOM	661265	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
29	MCL1 EER ROOM	661377	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill
30	MCL1 EER ROOM	661291	S	155 bar	Mar-97	Nov-17	ควรนำใบ Hydro test และ Refill

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

REMARK: **ควรนำใบ Hydro test และ Refill ในจำนวน 16 ถัง**

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : INERGEN MCL 1

[illegible]

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

Fire suppression system

Location : INERGEN SUB 115KV

[illegible]

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

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

Subject :	PM. Fire Suppression System
Client :	NS BLUE SCOPE STEEL (THAILAND) LTD.
REF.Contract NO :	SC1000320
Inspection Date :	25 March 2026
Inspector :	Subin, Pattanasit, Somkid, Anuchit, Perakant
Witness :	Khun Songpon, Khun Sonthaya
Location :	INERGEN Server Support Building

[illegible]

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

REMARK: ควรรนำไป Hydro test และ Refill ใหม่ จำนวน 2 ถัง

FUNCTION TEST INERGEN SYSTEM



Figure 1.

Remark :

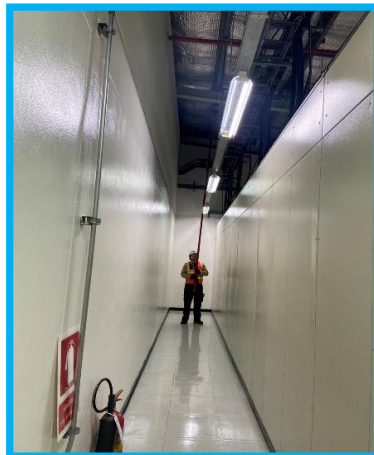


Figure 2.

Remark :



Figure 3.

Remark :

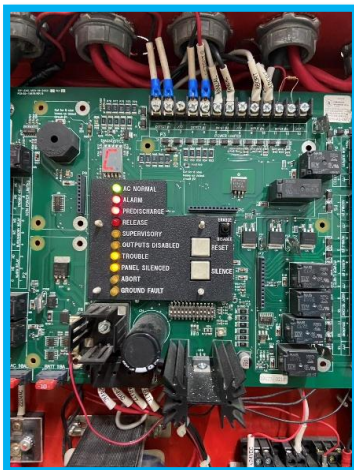


Figure 4.

Remark :

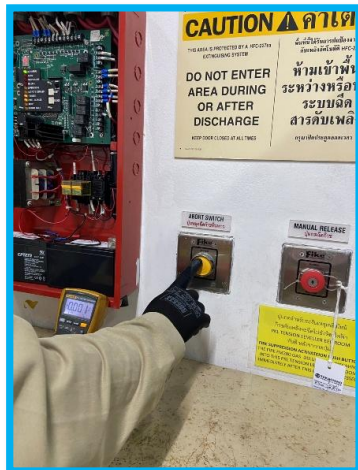


Figure 5.

Remark :



Figure 6.

Remark :

FM-200 SYSTEM

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 : 25 March 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>			
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	
<u>2. Equipment</u>			
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	
<u>3. Mechanical</u>			
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 27.53 V.dc

Battery back up 27.51 V.dc (strt using 23/7/25)

* Smoke detector zone 2 อุปกรณ์เสีย 1 ea

TAKACHIHO

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 : 25 March 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

[illegible]

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 တံခွန်, Alarm 2 stobe horn တံခွန်, Release stobe horn, Stobe light တံခွန်

* Manual stobe horn, stobe light ทางร่น

* ควรติดตั้ง horn&strobe ภายในห้อง EER room (PKL)

TAKACHIHO

FUNCTION TEST FM-200 SYSTEM



Figure 1.



Figure 2.



Figure 3.

Remark :

Remark :

Remark :

CO2 SYSTEM

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 : 25 March 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
<u>Electrical system</u>			
<u>1. Releasing Control Panel</u>			
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	
<u>2. Equipment</u>			
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	
<u>3.Mechanical</u>			
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 27.22 VDC
 Battery back up 27.19 VDC (Start Using 22/10/25)

Subject : PM. Fire Suppression CO2 System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

[illegible]

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 တံခွန်, Alarm 2 bell တံခွန်

* Discharge stobe horn, bell ทำงาน



DATE : 25 March 2026

[illegible]

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 : _____

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

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

FUNCTION TEST CO2 SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

NITROGEN FIRE SUPPRESSION SYSTEM

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 : 25 March 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 231.7 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

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

[illegible]

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)

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 : 25 March 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 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 231.4 VAC

Charger control panel 26.50 VDC

Battery back up 26.48 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

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

[illegible]

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

* Strobe/horn alarm 2 ดังเป็นแพร์

* Stobe/horn discharge ดังเร็วถี่ขึ้น (OP84)

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 : 25 March 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 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 230.2 VAC

Charger control panel 26.67 VDC

Battery back up 26.65VDC (Replace Battery 30/3/26)

**By pass pressure gauge by tank no. 1,2,3,10,11,15

TAKACHIHO

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 : 25 March 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 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 230.5 VAC

Charger control panel 26.53 VDC

Battery back up 26.50 VDC (Replace Battery 30/3/26)

TAKACHIHO

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 : 25 March 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

[illegible]

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 ดังเป็นแพทช์

* Discharge stobe/horn ดังเร็วถี่ขึ้น

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 : 25 March 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 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 229.4 VAC

Charger control panel 27.28 VDC

Battery back up 27.26 VDC (Start using 22/10/25)

* Smoke detector zone 2 อุปกรณ์เสีย 1 ea

TAKACHIHO

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 : 25 March 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

[illegible]

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 ทางงานยว

* Discharge bell, stobe/horn ดังยาว

TAKACHIHO

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 : 25 March 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 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 231.4 VAC

Charger control panel 27.26 VDC

Battery back up 27.21 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

Subject : PM.NITROGEN FIRE SUPPRESSION SYSTEM

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 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

[illegible]

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.

Location : NITROGEN MCL 2 (COATING PORT EER ROOM)

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

REMARK: คำนวณไป Hydro test และ Refill ใหม่ จำนวน 8 ถัง

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PLC & COMPUTOR ROOM)

[illegible]

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

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

Subject : PM. Fire Suppression System

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 25 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : NITROGEN MCL 2 (PREMALT ROOM)

[illegible]

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

REMARK: คำนวณไป Hydro test และ Refill ใหม่ จำนวน 4 ถัง

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 : 25 March 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		ควรมานำไป Hydro test และ Refill
2	MCL 2 EER ROOM	1573249 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
3	MCL 2 EER ROOM	1573088 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
4	MCL 2 EER ROOM	1559588 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
5	MCL 2 EER ROOM	1573348 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
6	MCL 2 EER ROOM	1559993 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
7	MCL 2 EER ROOM	1560025 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
8	MCL 2 EER ROOM	1559959 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
9	MCL 2 EER ROOM	1573333 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
10	MCL 2 EER ROOM	1573259 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
11	MCL 2 EER ROOM	1573145 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
12	MCL 2 EER ROOM	1573188 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
13	MCL 2 EER ROOM	1573205 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
14	MCL 2 EER ROOM	1573087 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
15	MCL 2 EER ROOM	1573204 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
16	MCL 2 EER ROOM	1573199 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
17	MCL 2 EER ROOM	1560141 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
18	MCL 2 EER ROOM	1559946 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
19	MCL 2 EER ROOM	1560058 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
20	MCL 2 EER ROOM	1559915 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
21	MCL 2 EER ROOM	1559651 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
22	MCL 2 EER ROOM	1573374 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
23	MCL 2 EER ROOM	1573355 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
24	MCL 2 EER ROOM	1573271 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill
25	MCL 2 EER ROOM	1573220 UT	S	240 bar	Dec-03		ควรมานำไป Hydro test และ Refill
26	MCL 2 EER ROOM	1559934 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
27	MCL 2 EER ROOM	1560119 UT	S	220 bar	Dec-03		ควรมานำไป Hydro test และ Refill
28	MCL 2 EER ROOM	1573247 UT	S	225 bar	Dec-03		ควรมานำไป Hydro test และ Refill
29	MCL 2 EER ROOM	1573331 UT	S	215 bar	Dec-03		ควรมานำไป Hydro test และ Refill
30	MCL 2 EER ROOM	1560070 UT	S	230 bar	Dec-03		ควรมานำไป Hydro test และ Refill

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

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

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

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 : 25 March 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

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 : 25 March 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

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 : 25 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

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

FUNCTION TEST NITROGEN SYSTEM

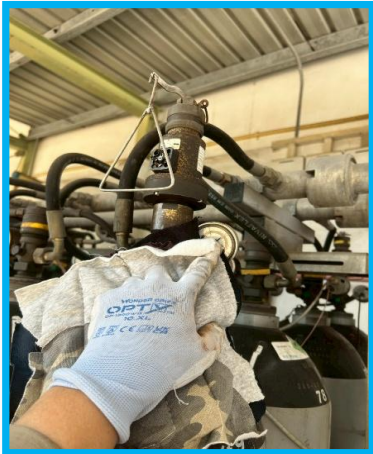


Figure 1.

Remark :



Figure 2.

Remark :

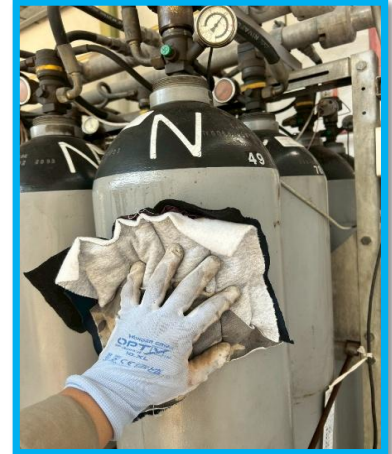


Figure 3.

Remark :



Figure 4.

Remark :

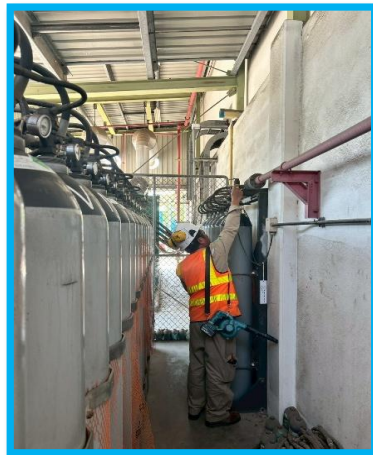


Figure 5.

Remark :



Figure 6.

Remark :

DELUGE SYSTEM

SYSTEM COMPONENTS



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 under " Remark "
- 7 Control Valve : Operate each control valve through its full range and return to its normal position.
(Seal or relock if appropriate) 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 "

AUTOMATIC SPRINKLER SYSTEM

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 each control valve through its full range and return to its normal position. (Seal or relock if appropriate) 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

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **26 March 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	165	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 : _____

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **26 March 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	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	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	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	150	175	N/A	N/A	N/A	S	S	S	S	S	S	

Remark : _____

Comment : _____

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **26 March 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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **26 March 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	175	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **26 March 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	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	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	175	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **26 March 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-2generator	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-1generator	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 ขาด 2 ตัว

(Pressure gauge บนเข็มไม่ตรง , Pressure gauge ล่างเข็มหลุด)

Comment :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD.**

REF.Contract NO : **SC1000320**

Inspection Date : **26 March 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	155	165	N/A	N/A	S	S	S	S	S	S	S	

Remark : _____

Comment : _____

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 : 26 March 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 26.53 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

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 : 26 March 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 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 check the 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 26.40 vdc. (Use since 1/4/25) Clean & check system control
control panel system normal

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 : 26 March 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 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 check the 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 26.63 vdc. (Use since 1/4/25)Clean & check system control
control panel system normal

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 : 26 March 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 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 check the 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 26.30 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

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 : 26 March 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 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 check the 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 27.42 vdc (Use since 30/4/24) Clean & check system control
control panel system normal

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 : 26 March 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 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 check the 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 26.79 vdc (Use since 1/4/25) Clean & check system control
control panel system normal

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 26 March 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

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

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

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 : 26 March 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 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 check the 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 27.25 vdc. (Use since 06/2023) Clean & check system control
control panel system normal

*** Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea**

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD.

REF.Contract NO : SC1000320

Inspection Date : 26 March 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

[illegible]

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

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

TAKACHIHO

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 : 26 March 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 solenoid 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 selector valve and function test	N/A	N/A	
2.8 Check condition of all alarm device and testing	N/A	N/A	
3.Mechanical			
3.1 check pipe system and nozzle for physical damage.	S	S	
3.2 check the 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 27.38 vdc. (Use since 06/2023) Clean & check system control
control panel system normal

* Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี จำนวน 2 ea

Subject : PM. FIRE PROTECTION SYSTEM (Deluge Valve)
 Client : NS BLUE SCOPE STEEL (THAILAND) LTD.
 Contract NO : SC1000320
 Installation Date : 26 March 2026
 Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant
 Witness : Khun Songpon, Khun Sonthaya

[illegible]

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

FUNCTION TEST AUTOMATIC SPRINKLER & ALARM VALVE SYSTEM



Figure 1.

Remark :

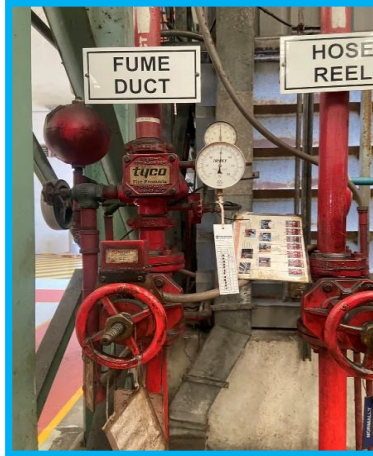


Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :

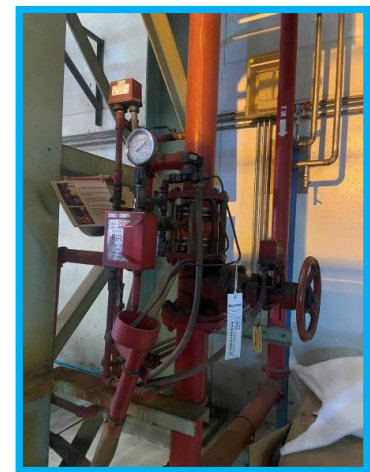


Figure 6.

Remark :

FIRE HYDRANT SYSTEM

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
 Date : 26 March 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 tower	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

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
Date : 26 March 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

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

Inspection Report

FIRE HYDRANT

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Contractor Name: PM. Fire Protection System

Area : NS blue scope steel

Date : 26 March 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

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
Date : 26 March 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

Inspection Report

FIRE HYDRANT

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

Area : NS blue scope steel
Date : 26 March 2026
Site : Rayong

Description		Equipment No.								REMARKS
		NO.37	NO.38							
		<i>mcl-2/hose 56</i>	<i>CRM</i>							
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

FUNCTION TEST FIRE HYDRANT SYSTEM



Figure 1.

Figure 2.

Remark :

Remark :

FIRE HOSE CABINET AND HOSE SYSTEM

Inspection Report

FIRE HOSE CABINET AND FIRE HOSE

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 26 March 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

FUNCTION TEST FIRE HOSE CABINET AND HOSE SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :

**FIRE HOSE REEL OR STANDPIPE
AND HOSE SYSTEM**

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 26 March 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: _____

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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 26 March 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	
		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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

 OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

 Area : NS blue scope steel

 Project name: PM. Fire Protection System

 Date : 26 March 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 SERVICES	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 เกลี่ยถูกกัดกร่อนเป็นสนิม

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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 26 March 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 26 March 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 26 March 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD.

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 26 March 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 FI.3	MCL FI.4	MCL FI.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

FUNCTION TEST FIRE HOSE REEL SYSTEM



Figure 1.

Figure 2.

Remark :

Remark :

FIRE PUMP

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 I	
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 °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 1720.5	1723.7
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	47/48 °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

02-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

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	68 °C
2	WATER LEVEL	Normal
3	OIL LEVEL	Normal
4	OIL PRESSURE	4.5 Bar
5	VOLTS. (CHARGING ALTERNATOR)	13.7, 13.6
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	2870
8	HOUR RUNNING ก่อน test	111.9
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	49/52 °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	13.3 , 13.2
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

02-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

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
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	31/30 °C
3	VOLTS	389, 388, 389
4	AMP.	122, 121, 121
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	34/35 °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	MAGNETIC 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 magnetic terminal

Subin, Pattanasit, Somkid, Anuchit, Perakant

02-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

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
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	33 °C
3	VOLTS	393, 392, 393
4	AMP	6.7, 6.7, 6.6
5	SPEED RUNNING (RPM.)	2710
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	MAGNETIC CONTACTOR	Normal
7	CHECKED FOR CORROSION	Normal
8	START AT PRESSURE	115 Psi
	CUT OFF	140 Psi

RECOMMENDATION

Cleaned to motor pump and check magnetic terminal

Function test pump Auto/Manual normal

Subin, Pattanasit, Somkid, Anuchit, Perakant

02-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

FUNCTION TEST FIRE PUMP SYSTEM



Figure 1.

Remark :

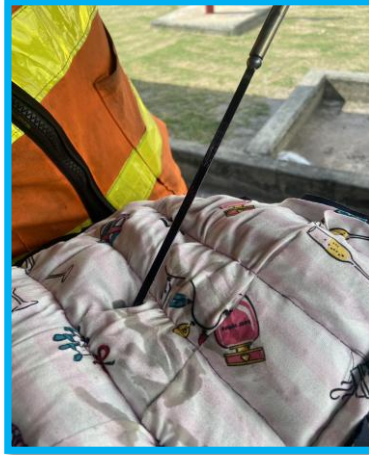


Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :

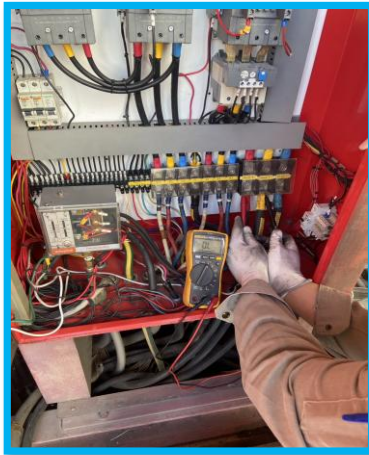


Figure 5.

Remark :

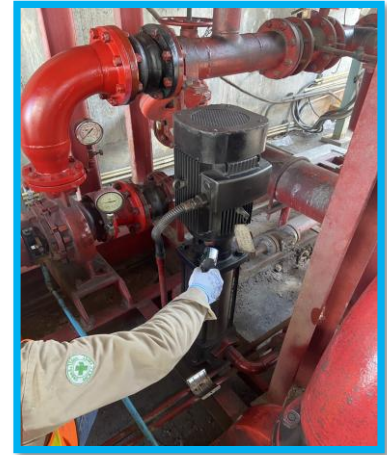


Figure 6.

Remark :



Figure 7.

Remark :



Figure 8.

Remark :



Figure 9.

Remark :

Emergency light

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 30 March 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	
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	US	US	US	US	US	อุปกรณ์เสีย
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	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
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. 024 แบตเตอรี่ 12 V / 7.5 Ah. = 1 ea

* Emergency Light No. 003, 021 อุปกรณ์เสีย = 2 ea

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 30 March 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	
35	EML 0035	Emergency Lighting	crm-corri door	N/A	N/A	N/A	N/A	N/A	อุปกรณ์ฉุกเฉิน
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	US	US	US	US	US	อุปกรณ์เสีย
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	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
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, 050 อุปกรณ์เสีย = 4 ea

* Emergency Light No. 053 แบตเตอรี่ 12 V / 7.5 Ah. = 1 ea

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 30 March 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 computer 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	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
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	แบตเตอรี่ 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. 074, 084 แบตเตอรี่ 12 V / 7.5 Ah. = 2 ea

Emergency Lighting

 Client : NS BLUE SCOPE STEEL THAI LAND

 REF.Contract NO : 6 times/year

 Inspection Date : 30 March 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	เปลี่ยนอุปกรณ์ 30/3/26
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

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 30 March 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	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
122	EML 0122	Emergency Lighting	mcl-2เสา p 3	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
123	EML 0123	Emergency Lighting	mcl-2เสา r-1	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
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	US	US	US	US	US	อุปกรณ์เสีย
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	S	S	S	S	S	
133	EML 0133	Emergency Lighting	mcl-2เสา op/81	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
134	EML 0134	Emergency Lighting	mcl-2เสา ทางลง pot eer	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
135	EML 0135	Emergency Lighting	mcl-2เสา op/77-78	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
136	EML 0136	Emergency Lighting	mcl-2เสา op/75,76	S	S	S	S	S	เปลี่ยนอุปกรณ์ 30/3/26
137	EML 0137	Emergency Lighting	mcl-2เสา op/75	S	S	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
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	N/A	N/A	US	N/A	N/A	แบตเตอรี่ 12 V/7.5 Ah เข้าไม่ได
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. 121, 122, 123, 133, 134, 135, 137, 146 แบตเตอรี่ 12 V / 7.5 Ah. = 8 ea

* Emergency Light No. 126 อุปกรณ์เสีย = 1 ea

Emergency Lighting

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 30 March 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	US	S	S	แบตเตอรี่ 12 V/7.5 Ah
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	แบตเตอรี่ 12 V/7.5 Ah
170	EML 0170	Emergency Lighting	Training Center Bld.	S	S	S	S	S	
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. 153, 169 แบตเตอรี่ 12 V / 7.5 Ah. = 2 ea

Exit Light system

Emergency Exit Indicator

 Client : NS BLUE SCOPE STEEL THAI LAND

 REF.Contract NO : 6 times/year

 Inspection Date : 30 March 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	เปลี่ยนแบตเตอรี่ 30/3/26
5	EXL005	Emergency Exit Lighting	pkl-op/15	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
6	EXL006	Emergency Exit Lighting	pkl-op/exit	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
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	เปลี่ยนแบตเตอรี่ 30/3/26
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	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
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	เปลี่ยนแบตเตอรี่ 30/3/26
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	แบตเตอรี่เสื่อม 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	เปลี่ยนแบตเตอรี่ 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	S	S	S	S	
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. 20 แบตเตอรี่เสื่อม 3.6 V / 1800 mAh. = 1 ea

Emergency Exit Inditicator

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 30 March 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	เปลี่ยนแบตเตอรี่ 30/3/26
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	เปลี่ยนแบตเตอรี่ 30/3/26
35	EXL035	Emergency Exit Lighting	mcl-1 op/54	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
36	EXL036	Emergency Exit Lighting	mcl-1 eer exit door	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
37	EXL037	Emergency Exit Lighting	mcl-1 eer exit door computer room	S	S	S	S	S	
38	EXL038	Emergency Exit Lighting	mcl-1 eer exit door computer room	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
39	EXL039	Emergency Exit Lighting	mcl-1 eer exit door	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
40	EXL040	Emergency Exit Lighting	mcl-1 eer room op/51	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
41	EXL041	Emergency Exit Lighting	mcl-1 eer room op/52	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
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	เปลี่ยนแบตเตอรี่ 30/3/26
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	เปลี่ยนแบตเตอรี่ 30/3/26
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	เปลี่ยนแบตเตอรี่ 30/3/26
50	EXL050	Emergency Exit Lighting	cpl-op/42	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
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	เปลี่ยนแบตเตอรี่ 30/3/26

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 Inditicator

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 30 March 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 เส้า t1a 6,7	S	S	S	S	S	
62	EXL062	Emergency Exit Lighting	mcl-2 เส้า t1a 9,10	S	S	S	S	S	
63	EXL063	Emergency Exit Lighting	mcl-2 เส้า t1a 12,13	S	S	S	S	S	
64	EXL064	Emergency Exit Lighting	mcl-2 op/87	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
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 เส้า OP 83	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
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	เปลี่ยนแบตเตอรี่ 30/3/26
72	EXL072	Emergency Exit Lighting	mcl-2 op/76	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
73	EXL073	Emergency Exit Lighting	mcl-2 เส้า t1- 35.1	S	S	S	S	S	
74	EXL074	Emergency Exit Lighting	mcl-2 เส้า 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-2 หน้าห้อง entry eer	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26
79	EXL079	Emergency Exit Lighting	mcl-2 op/72	S	S	S	S	S	
80	EXL080	Emergency Exit Lighting	mcl-2 เส้า t1a 45	N/A	N/A	N/A	N/A	N/A	Cancel
81	EXL081	Emergency Exit Lighting	office operation exit door	N/A	N/A	N/A	N/A	N/A	ปรับปรุงพื้นที่
82	EXL082	Emergency Exit Lighting	office operation exit door	S	S	S	S	S	
83	EXL083	Emergency Exit Lighting	support ห้องพยาบาล	US	US	US	US	US	อุปกรณ์เสียไม่มี power
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	เปลี่ยนแบตเตอรี่ 30/3/26
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	เปลี่ยนแบตเตอรี่ 30/3/26
92	EXL092	Emergency Exit Lighting	Training Center Bld.	S	S	S	S	S	เปลี่ยนแบตเตอรี่ 30/3/26

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, 83 อุปกรณ์เสีย, ไม่มี power = 2 ea

Emergency Exit Indicator

Client : NS BLUE SCOPE STEEL THAI LAND

REF.Contract NO : 6 times/year

Inspection Date : 30 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

[illegible]

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

Remerk: test off main power breaker 220 v.ac for battery back up 30 min

FUNCTION TEST EMERGENCY LIGHT

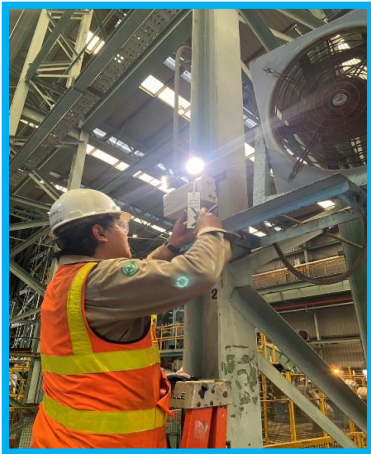


Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

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

NS BLUESCOPE (THAILAND) LIMITED (MCL3)

Preventive Maintenance for Fire Protection System

On March 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

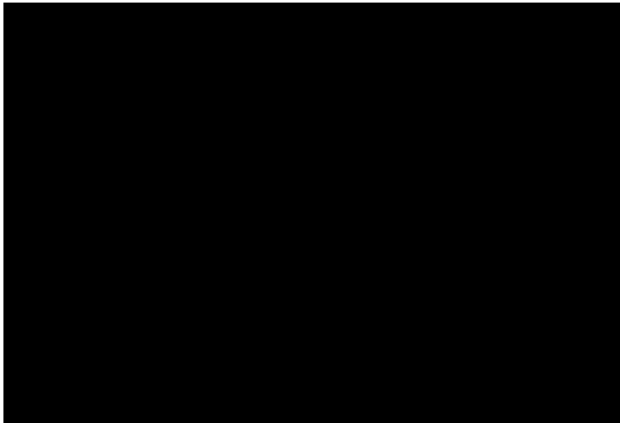
INSPECTION, TEST AND PREVENTIVE MAINTENANCE FOR

Fire Protection and Fire Detection System

Customer : NS Blue Scope Steel (Thailand) Ltd. (MCL 3)

Report Date : 9 April 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 (MCL3) Fire Alarm & Fire Suppression Summary Report : March 2026
Pervious month Outstanding update
March 2026 Result

Item	Inspection Description	Point / Device		Location		Recommment	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)	RCP 2	Battery = 2 ea	Pot EER	Battery back up อายุการใช้งานเกินมาตรฐาน 2 ปี	should replace	☐ Low	☒ Medium	☐ High	แก้ไขแล้ว
		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 สำหรับคู่ control engine fire pump อุปกรณ์เสื่อม (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. 9, 18, 42, 55, 69	อุปกรณ์เสื่อม = 5 ea	BE31, BG4, Pit7, Exit pulpit, cable cella	อุปกรณ์เสื่อม (Max 12 V/7.5 Ah)	Should replace	☐ Low	☒ Medium	☐ High	
		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	อุปกรณ์เสื่อม = 5 ea	BC5, BC20, BH4	อุปกรณ์เสื่อม (Max 3.6 V/1800 Ah)	Should replace	☐ Low	☒ Medium	☐ High	TK เสนอราคา

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

Review By

Date

Sign Off By

Date

Songpon Soontaros
PSV Senior Engineer

Plant Service & Engineering Project Manager

FIRE ALARM SYSTEM

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 March 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 / Function	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 231.2 VAC

Charger control panel 27.42 VDC

Battery back up 27.37 VDC (start 27/6/24)

* Power supply panel box no.1

* Power supply panel box no.2

AC power supply : 230.8 VAC

AC power supply : 231.7 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 : 27.17 Vdc.

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

TAKACHIHO

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 March 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: _____

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 March 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: _____

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 March 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 ไม่ทำงาน (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: _____

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 March 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: _____

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 March 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: _____

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 March 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	แก้ไขเปลี่ยนอุปกรณ์แล้ว
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: _____

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 March 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 230.1 VAC

Charger control panel 26.81 Vdc (Start 27/6/25)

Battery back up 26.78 Vdc

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

TAKACHIHO



TAKACHIHO
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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 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

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

[illegible]

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

Remark: _____

FUNCTION TEST FIRE ALARM SYSTEM

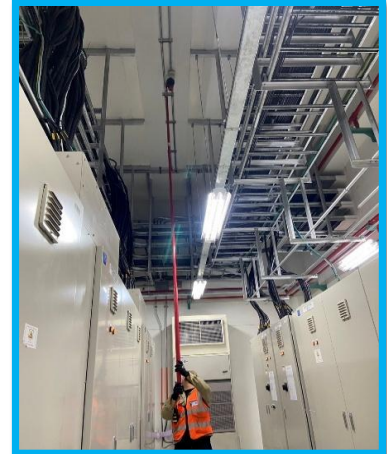
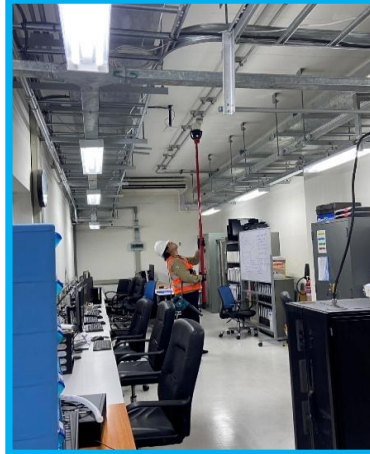


Figure 1.

Figure 2.

Figure 3.

Remark :

Remark :

Remark :

INERGEN SYSTEM

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 : 28 March 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 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 228.6 VAC

Charger control panel 27.13 V.dc

Battery back up 27.10 V.dc (Start using 28/3/26)

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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 : 28 March 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

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 : 28 March 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 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 227.6 VAC

Charger control panel 27.31 VDC

Battery back up 27.28 VDC (Start using 28/3/26)

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Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 28 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

[illegible]

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.

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 : 28 March 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 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 227.9 VAC

Charger control panel 27.42 VDC

Battery back up 27.41 VDC (Start using 28/7/25)

*

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 28 March 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)

[illegible]

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

Remark : The function test detector system working is properly

* Smoke detector cross zone delay times 60 sec.

* Abort switch push to original time 60 sec.

* Manual release push to discharge.

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 : 28 March 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 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	

Y = Satisfactory N = Unsatisfactory N/A = Not Applicable

Remark : AC Power 228.2 VAC

Charger control panel 27.53 Vdc.

Battery back up 27.50 Vdc. (Start using 28/7/25)

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 28 March 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)

[illegible]

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

Remark : The function test detector system working is properly

* Smoke detector cross zone delay times 60 sec.

* Abort switch push to original time 60 sec.

* Manual release push to discharge.

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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 : 28 March 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 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 230.4 VAC

Charger control panel 27.48 Vdc.

Battery back up 27.44 Vdc. (Start using 28/7/25)

TAKACHIHO

Subject : PM. Fire Suppression System (Inergen)

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 28 March 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)

[illegible]

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

Remark : The function test detector system working is properly

* Smoke detector cross zone delay times 60 sec.

* Abort switch push to original time 60 sec.

* Manual release push to discharge.

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INERGEN CYLINDER SYSTEM

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 : 28 March 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		ควรมานำ Hydro test และ Refill
3	MCL-3 ENTRY EER ROOM	14103933	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
4	MCL-3 ENTRY EER ROOM	14104537	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
5	MCL-3 ENTRY EER ROOM	14104168	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
6	MCL-3 ENTRY EER ROOM	14103957	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
7	MCL-3 ENTRY EER ROOM	14104026	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
8	MCL-3 ENTRY EER ROOM	14104020	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
9	MCL-3 ENTRY EER ROOM	14104100	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
10	MCL-3 ENTRY EER ROOM	14104196	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
11	MCL-3 ENTRY EER ROOM	14103998	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
12	MCL-3 ENTRY EER ROOM	14104014	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
13	MCL-3 ENTRY EER ROOM	14104015	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
14	MCL-3 ENTRY EER ROOM	14104108	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
15	MCL-3 ENTRY EER ROOM	14104013	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
16	MCL-3 ENTRY EER ROOM	14104240	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
17	MCL-3 ENTRY EER ROOM	14104215	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
18	MCL-3 ENTRY EER ROOM	14104202	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
19	MCL-3 ENTRY EER ROOM	14104188	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
20	MCL-3 ENTRY EER ROOM	14104126	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
21	MCL-3 ENTRY EER ROOM	14104008	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
22	MCL-3 ENTRY EER ROOM	14104754	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
23	MCL-3 ENTRY EER ROOM	14103987	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
24	MCL-3 ENTRY EER ROOM	14104110	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
25	MCL-3 ENTRY EER ROOM	14103951	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
26	MCL-3 ENTRY EER ROOM	14104079	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
27	MCL-3 ENTRY EER ROOM	14104129	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
28	MCL-3 ENTRY EER ROOM	14104124	S	4350 Psi	Aug-17		ควรมานำ 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		ควรมานำ Hydro test และ Refill

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

REMARK:

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 : 28 March 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		ควรมานำ Hydro test และ Refill
32	MCL-3 ENTRY EER ROOM	14104569	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
33	MCL-3 ENTRY EER ROOM	14104529	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
34	MCL-3 ENTRY EER ROOM	14104583	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
35	MCL-3 ENTRY EER ROOM	14104568	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
36	MCL-3 ENTRY EER ROOM	14104016	S	4350 Psi	Aug-17		ควรมานำ 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		ควรมานำ 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		ควรมานำ Hydro test และ Refill
41	MCL-3 ENTRY EER ROOM	14104786	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
42	MCL-3 ENTRY EER ROOM	141071912	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
43	MCL-3 ENTRY EER ROOM	14104160	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
44	MCL-3 ENTRY EER ROOM	14104273	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
45	MCL-3 ENTRY EER ROOM	14104268	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
46	MCL-3 ENTRY EER ROOM	14104024	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
47	MCL-3 ENTRY EER ROOM	14104253	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
48	MCL-3 ENTRY EER ROOM	14104101	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
49	MCL-3 ENTRY EER ROOM	14104247	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
50	MCL-3 ENTRY EER ROOM	14104035	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
51	MCL-3 ENTRY EER ROOM	14104142	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
52	MCL-3 ENTRY EER ROOM	14104032	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
53	MCL-3 ENTRY EER ROOM	14104138	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
54	MCL-3 ENTRY EER ROOM	14104157	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
55	MCL-3 ENTRY EER ROOM	14104264	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
56	MCL-3 ENTRY EER ROOM	14104002	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
57	MCL-3 ENTRY EER ROOM	14103977	S	4350 Psi	Aug-17		ควรมานำ Hydro test และ Refill
58	MCL-3 ENTRY EER ROOM	13607784	S	112 Psi (Pilot)	Aug-17		over pressure, ควรมานำ Hydro test และ Refill

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

REMARK:

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 : 28 March 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		ควมไม่ Hydro test และ Refill
2	MCL 3 PORT EER ROOM	14104036	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
3	MCL 3 PORT EER ROOM	14104270	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
4	MCL 3 PORT EER ROOM	14104281	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
5	MCL 3 PORT EER ROOM	14103980	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
6	MCL 3 PORT EER ROOM	14104081	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
7	MCL 3 PORT EER ROOM	14104287	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
8	MCL 3 PORT EER ROOM	14104544	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
9	MCL 3 PORT EER ROOM	14104210	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
10	MCL 3 PORT EER ROOM	14104284	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
11	MCL 3 PORT EER ROOM	14104254	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
12	MCL 3 PORT EER ROOM	14104164	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
13	MCL 3 PORT EER ROOM	14104012	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
14	MCL 3 PORT EER ROOM	14104060	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
15	MCL 3 PORT EER ROOM	14104139	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
16	MCL 3 PORT EER ROOM	14104000	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
17	MCL 3 PORT EER ROOM	14104010	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
18	MCL 3 PORT EER ROOM	14104004	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
19	MCL 3 PORT EER ROOM	14104080	S	4350 Psi	Aug-17		ควมไม่ 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		ควมไม่ Hydro test และ Refill
22	MCL 3 PORT EER ROOM	14104785	S	4350 Psi	Aug-17		ควมไม่ Hydro test และ Refill
23	MCL 3 PORT EER ROOM	13688607	S	100 bar (Pilot)	Aug-17		ควมไม่ Hydro test และ Refill

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

REMARK:

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 : 28 March 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		ควรมีไฮโดรเทส และ Refill
2	MCL 3 EXIT EER ROOM	14104091	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
3	MCL 3 EXIT EER ROOM	14104099	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
4	MCL 3 EXIT EER ROOM	14104007	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
5	MCL 3 EXIT EER ROOM	14104262	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
6	MCL 3 EXIT EER ROOM	14104289	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส 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		ควรมีไฮโดรเทส และ Refill
9	MCL 3 EXIT EER ROOM	14104028	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
10	MCL 3 EXIT EER ROOM	14104031	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
11	MCL 3 EXIT EER ROOM	14104019	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
12	MCL 3 EXIT EER ROOM	14071139	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
13	MCL 3 EXIT EER ROOM	14056469	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
14	MCL 3 EXIT EER ROOM	14056611	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
15	MCL 3 EXIT EER ROOM	14104577	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
16	MCL 3 EXIT EER ROOM	14071800	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส 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		ควรมีไฮโดรเทส และ Refill
19	MCL 3 EXIT EER ROOM	14104909	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
20	MCL 3 EXIT EER ROOM	14056837	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
21	MCL 3 EXIT EER ROOM	14071192	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส 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		ควรมีไฮโดรเทส และ Refill
24	MCL 3 EXIT EER ROOM	14104027	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
25	MCL 3 EXIT EER ROOM	14104025	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
26	MCL 3 EXIT EER ROOM	14103193	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
27	MCL 3 EXIT EER ROOM	14104045	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส และ Refill
28	MCL 3 EXIT EER ROOM	14104130	S	4350 Psi	Aug-17		ควรมีไฮโดรเทส 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		ควรมีไฮโดรเทส และ Refill

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

REMARK:



Subject : PM. Inergen system

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 28 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 Exit EER Inergen Room

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

REMARK:



Subject : PM. Inergen system

Client : NS BLUE SCOPE STEEL THAILAND(MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 28 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 MV EER Inergen Room

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

REMARK:



Subject : PM. Inergen system

Client : NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

REF.Contract NO : 24 time / 2 year

Inspection Date : 28 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthaya

Location : MCL-3 PLC & Computer Inergen Room

[illegible]

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

REMARK: No. 14104757 low pressure = 1 ถัง

FUNCTION TEST INERGEN SYSTEM



Figure 1.

Remark :

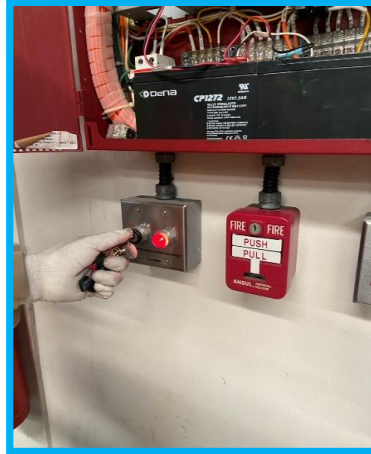


Figure 2.

Remark :

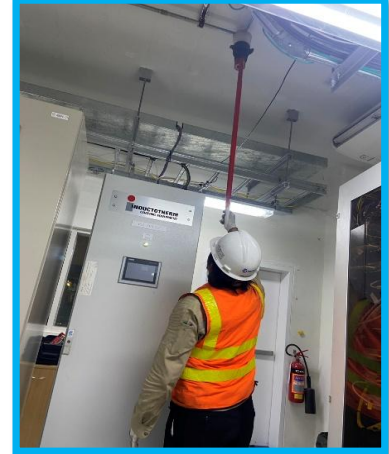


Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :

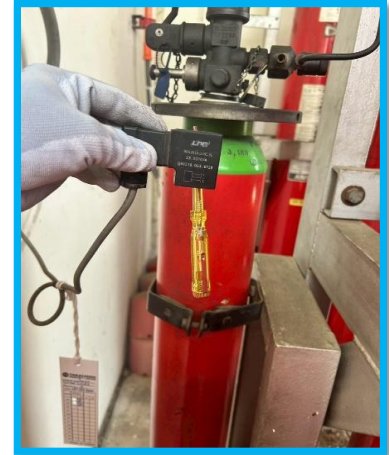


Figure 6.

Remark :

DELUGE SYSTEM

SYSTEM COMPONENTS



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 under " Remark "
- 7 Control Valve : Operate each control valve through its full range and return to its normal position. (Seal or relock if appropriate) 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 "

AUTOMATIC SPRINKLER SYSTEM

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 each control valve through its full range and return to its normal position. (Seal or relock if appropriate) 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: _____	

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **28 March 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	165	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	170	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	170	N/A	N/A	N/A	S	S	S	S	S	N/A	

Remark :

DV-1 Pressure gauge ด้านบนรั้วซึม ด้านล่างรั้วซึม

DV-2 Pressure gauge ด้านบนรั้วซึม ด้านล่างรั้วซึม

DV-5 Pressure gauge ด้านล่างรั้วซึม

DV-3 Pressure gauge ด้านล่างรั้วซึม

Comment :

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

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **28 March 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	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	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	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	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**
REF.Contract NO : **24 time / 2 year**
Inspection Date : **28 March 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	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	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	160	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **28 March 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	155	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	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	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	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	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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **28 March 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 :

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **28 March 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	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	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	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	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

Automatic sprinkler system

Client : **NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)**

REF.Contract NO : **24 time / 2 year**

Inspection Date : **28 March 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 : _____

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 March 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 selector 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 230.8 VAC.

Charger 27.57 VDC.

Battery 27.53 VDC.

* Function test manual ไม่มีสัญญาณ alarm ส่งไปที่ตู้ control fire alarm

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 March 2026

Inspector : Subin, Pattanasit, Somkid, Anuchit, Perakant

Witness : Khun Songpon, Khun Sonthava

Location : MCL-3 Coater Room / Local / Fire Fighting System Control Panel

[illegible]

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

FUNCTION TEST AUTOMATIC SPRINKLER SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :

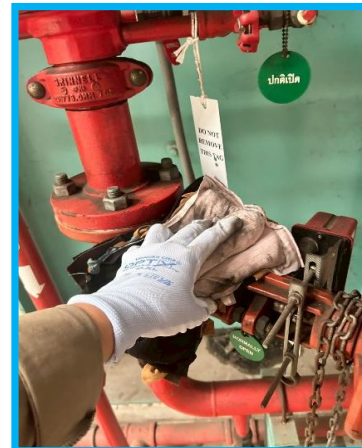


Figure 3.

Remark :

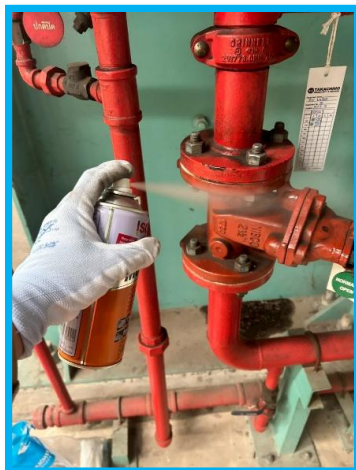


Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

FIRE HYDRANT SYSTEM

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 March 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

FUNCTION TEST FIRE HYDRANT SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :



Figure 3.

Remark :



Figure 4.

Remark :



Figure 5.

Remark :



Figure 6.

Remark :

FIRE HOSE CABINET

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 March 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

FUNCTION TEST FIRE HOSE CABINET SYSTEM



Figure 1.



Figure 2.



Figure 3.

Remark :

Remark :

Remark :

**FIRE HOSE REEL OR
STANDPIPE AND HOSE
SYSTEM**

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

Area : NS blue scope steel

Project name: PM. Fire Protection System

Date : 28 March 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-3 BC30	MCL-3 BC25	MCL-3 BC20	MCL-3 BC13	MCL-3 BC8	MCL-3 BC4	MCL-3 B14	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

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 March 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

Inspection Report

FIRE HOSE REEL OR STANDPIPE AND HOSE SYSTEM

 OWNER: NS BLUE SCOPE STEEL (THAILAND) LTD. (MCL3)

 Area : NS blue scope steel

 Project name: PM. Fire Protection System

 Date : 28 March 2026

 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

FUNCTION TEST FIRE HOSE REEL SYSTEM



Figure 1.

Remark :

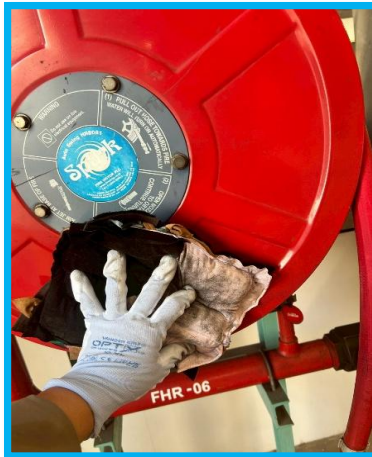


Figure 2.

Remark :



Figure 3.

Remark :

FIRE PUMP

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)	14.0 / 14.0
6	AMP.(CHARGING ALTERNATOR)	Normal
7	SPEED RUNNING	1761
8	HOUR RUNNING	40.0
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	54/43 °C
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	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

01-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

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
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	390 / 388 / 386
4	AMP.	259 / 271 / 261
5	SPEED RUNNING (RPM.)	1496
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	30/30 °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	MAGNETIC 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

01-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

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	29 °C
3	VOLTS	392 / 390 / 393
4	AMP	5.9 / 5.9 / 5.6
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	MAGNETIC 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

01-Apr-26

Takachiho Fire, Security & Services (Thailand) Limited

FUNCTION TEST FIRE PUMP SYSTEM



Figure 1.

Remark :



Figure 2.

Remark :

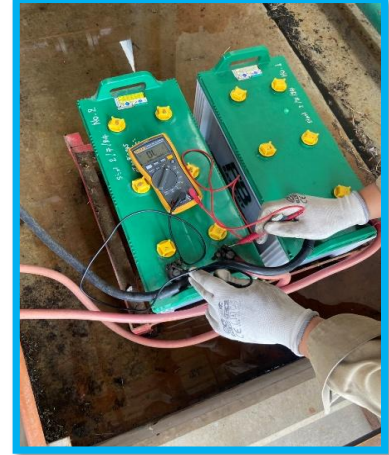


Figure 3.

Remark :



Figure 4.

Remark :

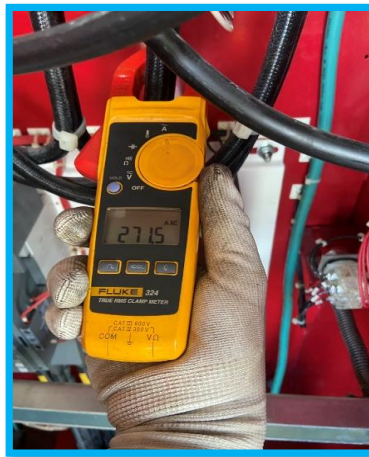


Figure 5.

Remark :



Figure 6.

Remark :



Figure 7.

Remark :



Figure 8.

Remark :

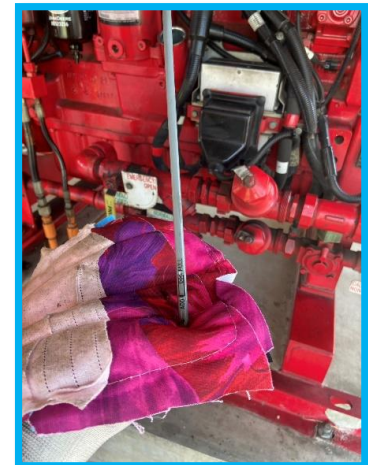


Figure 9.

Remark :

EMERGENCY LIGHT

Emergency Lighting

 Client : NS BLUE SCOPE STEEL THAILAND(MCL3)

 REF.Contract NO : 6/year

 Inspection Date : 28 March 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	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	S	S	S	S	S	
8	EML 8	Sunny	MCL3 BE 13	S	S	S	S	S	
9	EML 9	Sunny	MCL3 BE 15	US	US	US	US	US	เสีย
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	แบตเตอรี่ 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	เสีย
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	S	S	S	S	S	
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

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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	แบตเตอรี่ 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.	S	S	S	S	S	
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	

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**FIRE, SECURITY & SERVICES (THAILAND) LTD.**

www.tkfs.co.th

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Witness : Khun Songpon, Khun Sonthaya

[illegible]

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EXIT LIGHT

Emergency Exit Indicator

 Client : NS BLUE SCOPE STEEL THAILAND(MCL3)

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 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 (ขึ้นทางขวา)
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	

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FUNCTION TEST EMERGENCY LIGHT & EMERGENCY EXIT LIGHT



Figure 1.

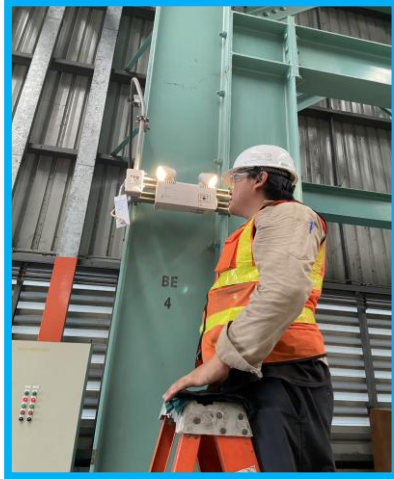


Figure 2.



Figure 3.

Remark :

Remark :

Remark :

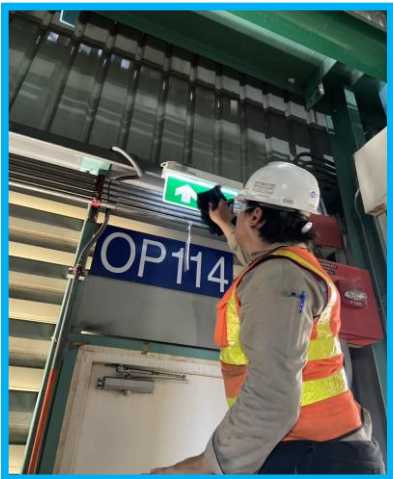


Figure 4.



Figure 5.

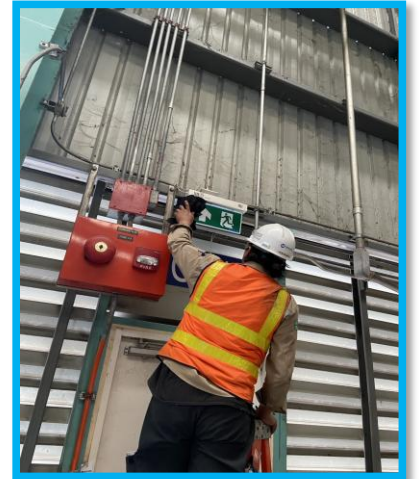


Figure 6.

Remark :

Remark :

Remark :

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