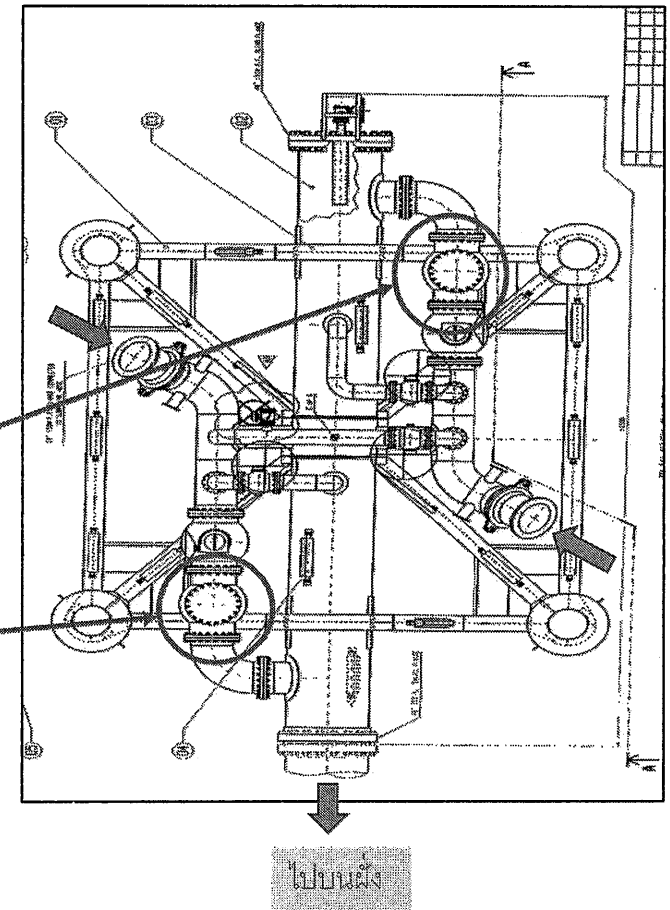
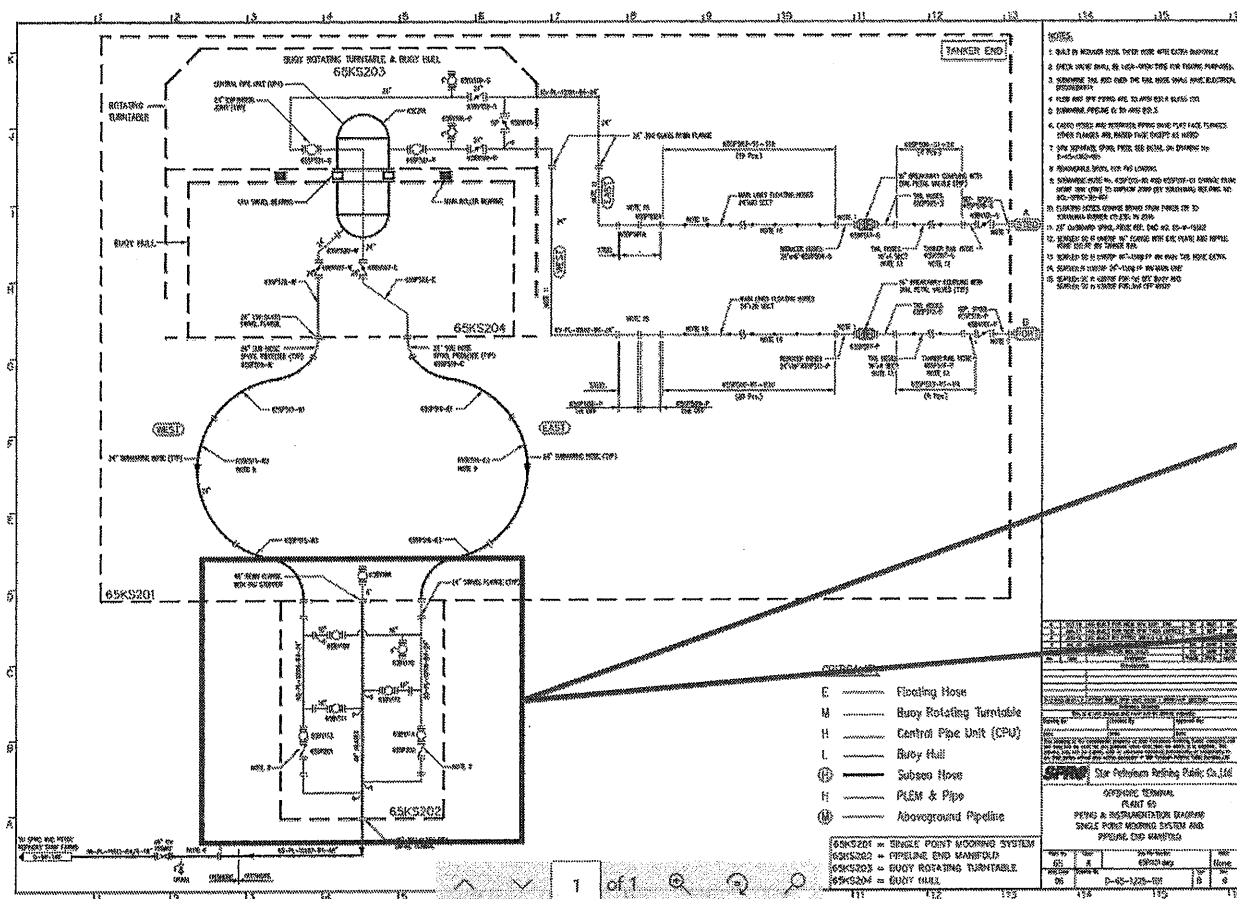


## ภาคผนวก ข.19

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### การติดตั้ง Check Valve ที่ปลายท่อขนถ่าย

# การติดตั้งวาล์วน้ำมันย้อนกลับทั้งหมด (check valve) เพื่อป้องกันน้ำมันไหลย้อนกลับ



## ภาคผนวก ข.20

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การแต่งตั้งคณะกรรมการความปลอดภัย อาชีวอนามัย  
และสภาพแวดล้อมในการทำงาน



STAR PETROLEUM REFINING PUBLIC COMPANY LIMITED  
บริษัท สตาร์ ปิโตรเลียม รีไฟน์นิ่ง จำกัด (มหาชน)

เลขทะเบียนนิติบุคคล 0107555000155

## ประกาศ

วันที่ 31 มีนาคม 2566

จาก : ประธานเจ้าหน้าที่บริหาร

ถึง : พนักงานทุกท่าน

เรื่อง : การแต่งตั้งคณะกรรมการความปลอดภัย อาชีวอนามัยและสภาพแวดล้อมในการทำงาน (ฉบับปรับปรุงครั้งที่ 1)

เพื่อให้การดำเนินงานด้านความปลอดภัย อาชีวอนามัยและสิ่งแวดล้อมเป็นไปอย่างมีประสิทธิภาพและต่อเนื่อง จึงได้มีการปรับปรุงรายชื่อสมาชิกคณะกรรมการความปลอดภัย อาชีวอนามัยและสภาพแวดล้อมในการทำงานในส่วนของผู้แทนนายจ้าง (ประธาน) ซึ่งสอดคล้องกับการเปลี่ยนแปลงผังองค์กรของบริษัทฯ ดังนั้น จึงขอประกาศแต่งตั้งคณะกรรมการความปลอดภัย (ฉบับปรับปรุงครั้งที่ 1) ซึ่งประกอบด้วยกรรมการที่มาจากแต่งตั้ง (ผู้แทนนายจ้าง) และกรรมการที่มาจากการเลือกตั้ง (ผู้แทนลูกจ้าง) ดังรายชื่อต่อไปนี้



STAR PETROLEUM REFINING PUBLIC COMPANY LIMITED  
บริษัท สตาร์ ปิโตรเลียม รีไฟน์นิ่ง จำกัด (มหาชน)

เลขทะเบียนนิติบุคคล 0107555000155

โดยให้คณะกรรมการความปลอดภัย อาชีวอนามัยและสภาพแวดล้อมในการทำงานมีหน้าที่ดังต่อไปนี้

1. จัดทำนโยบายด้านความปลอดภัยอาชีวอนามัยและสภาพแวดล้อมในการทำงานของสถานประกอบกิจการเสนอต่อนายจ้าง
2. จัดทำแนวทางการป้องกันและลดการเกิดอุบัติเหตุ การประสบอันตราย การเจ็บป่วยหรือการ เกิดเหตุเดือดร้อนรำคาญอันเนื่องมาจากการทำงานของลูกจ้างหรือความไม่ปลอดภัยในการ ทำงานเสนอต่อนายจ้าง
3. รายงานและเสนอแนะมาตรการหรือแนวทางปรับปรุงแก้ไขสภาพการทำงานและสภาพแวดล้อมในการทำงานให้เป็นไปตามกฎหมายเกี่ยวกับความปลอดภัยในการทำงานต่อนายจ้างเพื่อความปลอดภัยในการทำงานของลูกจ้าง ผู้รับเหมาและบุคคลภายนอกที่เข้ามาปฏิบัติงานหรือเข้ามาใช้บริการในสถานประกอบกิจการ
4. ส่งเสริมและสนับสนุนกิจกรรมด้านความปลอดภัยในการทำงานของสถานประกอบกิจการ
5. พิจารณาคู่มือว่าด้วยความปลอดภัยอาชีวอนามัยและสภาพแวดล้อมในการทำงานของสถานประกอบกิจการ เพื่อเสนอความเห็นต่อนายจ้าง
6. สืบรวจการปฏิบัติการด้านความปลอดภัยในการทำงานและรายงานผลการสำรวจดังกล่าว รวมทั้งสถิติการประสบอันตรายที่เกิดขึ้นในสถานประกอบกิจการนั้น ในการประชุมคณะกรรมการความปลอดภัยทุกครั้ง
7. พิจารณาโครงการหรือแผนการฝึกอบรมเกี่ยวกับความปลอดภัยในการทำงาน รวมถึงโครงการหรือแผนการอบรมเกี่ยวกับบทบาทหน้าที่ความรับผิดชอบในด้านความปลอดภัยของลูกจ้าง หัวหน้างาน ผู้บริหาร นายจ้างและบุคลากรทุกระดับเพื่อเสนอความเห็นต่อนายจ้าง
8. จัดวางระบบให้ลูกจ้างทุกคนทุกระดับมีหน้าที่ต้องรายงานสภาพการทำงานที่ไม่ปลอดภัยต่อนายจ้าง
9. ติดตามผลความคืบหน้าเรื่องที่เสนอต่อนายจ้าง
10. รายงานผลการปฏิบัติงานประจำปี รวมทั้งระบุปัญหา อุปสรรคและข้อเสนอแนะในการปฏิบัติงานนี้ของคณะกรรมการความปลอดภัยเมื่อปฏิบัติงานที่ครบหนึ่งปีเสนอต่อนายจ้าง
11. ประเมินผลการดำเนินงานด้านความปลอดภัยในการทำงานของสถานประกอบกิจการ
12. ปฏิบัติงานด้านความปลอดภัยในการทำงานอื่นตามที่นายจ้างมอบหมาย





STAR PETROLEUM REFINING PUBLIC COMPANY LIMITED  
บริษัท สตาร์ ปิโตรเลียม รีไฟน์นิ่ง จำกัด (มหาชน)

เลขทะเบียนนิติบุคคล 0107555000155

## Announcement

Mar 31<sup>st</sup>, 2023

From : Chief Executive Officer  
To : All SPRC Employees  
Subject : Appointment SPRC EHS Main Committee (Rev.1)

In order to effective and continual implement of SPRC EHS Management, the EHS Main Committee has been revised by changing employer representative (Chairman) which aligning with the updating SPRC Organization. So, the company would like to announce the updating SPRC EHS Main Committee revision one which consists of the Person from Appointment (Employer Representative) and Election (Employee Representative) as following:



STAR PETROLEUM REFINING PUBLIC COMPANY LIMITED  
บริษัท สตาร์ ปิโตรเลียม รีไฟน์นิ่ง จำกัด (มหาชน)

เลขทะเบียนนิติบุคคล 0107555000155

## Responsibilities of the EHS Main Committee

1. Develop EHS related policies, action plan and activities for both work and non-work related safety to prevent accidents, illness, nuisance or unsafe conditions proposing to the employer.
2. Develop EHS measures, guideline to prevent incidents from the employee's work and make suggestion for the employer.
3. Recommend any corrective or improvement measures to comply with the law and standard for the safety of employee, contractor and visitor.
4. Promote and support EHS programs and related activities.
5. Consider EHS rules, regulations, safety manual and safety standard proposing to the employer.
6. Conduct EHS walkthrough survey and review injury statistic once a month.
7. Consider EHS training program or plan and responsibility training program or plan about responsibility of supervisor, manager, employer and staff at all level proposing idea to the employer.
8. Set the unsafe condition and near miss report system which are the responsibility of all employees.
9. Follow up the progress of proposed EHS items.
10. Prepare performance report of the committee including problems found and suggestion for the employer on a yearly basis.
11. Evaluate the EHS performance of the company.
12. Implement any EHS activities assigned by employer.



ภาคผนวก ข.21

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แผนการจัดอบรมด้านอาชีวอนามัยและความปลอดภัย  
ประจำปี พ.ศ.2566

# EHS Training Schedule 2023

EHS Standard Training Program updated on 17 Nov 2020

Item	Course Name	Target Group	Duration	Type	Instructor	Frequency	Remark
1	Advance Fire 1 & 2 In EHS Std. Program 1&2	ERT, EST, OSC	1 day	Practice	QS/3 team	Will separate Adv.1 - 1 day Adv.2 - 1 day in alternate year	Refer to the endorsement on EHS training proposal in LT meeting in 2011 that advance fire 1&2 will combine on alternate year (in 2013 it is separated advance fire 1 and Advance fire 2).
3	Fire Truck	PN, PD (Driver)	1 day	Practice	QS/3 team	0.5 day / first half year 0.5 day / second half year	EHS-WI-QS-3015_Emergency Response Team Structure
4	Hazmat	ERT, EST, OSC	0.5 day	Practice	QS/3 team	Annually	Refer to the EHS Standard Training Program (EHS-OT-QS-0001) - refer to the endorsement on EHS training proposal in LT meeting 2011 that Rescue training course will be reduce from 1 day course to half day course on alternate year (in 2013- one day course)
5	Rescue #1	ERT, EST	0.5 day	Classroom/Practice	QS/3 team	Annually	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
6	Fire Training Refresher for lab	Lab	0.5 day	Practice	QS/3 team	Annually	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
7	Basic Fire For new staff	New Staffs	1 day	Theory & Practice	QS/3 team	When there is new staff (one session/year)	EHS Main committee MOM - April 2013
8	Basic Fire For - Operator who not FIT - Technical - Non Technical Staff	Technical/ Non Technical staff and pass the training more than 2 years for tehcnical staff and every 5 years for office staff	0.5 day	Theory & Practice	QS/3 Team	Every 2 years for Operator who not FIT and Technical Staff  Every 5 years for Non- Technical Staff	EHS Main committee MOM - April 2013. For the year 2013, we will start for refresher for both technical and office staff. However, to avoid the amount of sessions, thenboth QS and HR to be consider on amount of session to be conducted for planing in 2014 and 2015. We agreed that if conduct for all in 2014 then will impact to both instructor and training field as well as workload. Thus will plan to complete within 2 years.
9	Oil Spill Response Training Refresher	PD operator	1 Day	Classroom/Exercise	QS/3, PD/1B	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
10	Comprehensive Fire Training for ERT Team Leader	PN,PD ERT Leader (16 people)	2 Day	Classroom/Exercise	QS/3X and Outside	Annually	EHS-WI-QS-3015_Emergency Response Team Structure
11	Comprehensive Fire Training for ERT Members	PN,PD ERT Leader (40 people)	2 Day	Classroom/Exercise	QS/3X and Outside	Annually	EHS-WI-QS-3015_Emergency Response Team Structure
12	Radiation Safety for RTO and Operator	PN shift staff, RTO and Lab staff	1 day	Classroom	QS/41 & IR/11	Every 2 years	
13	Isolation of Equipment & Safe Work Practice	PN, PD, AS/1, AS/2	0.5 day	Classroom/practice	QS/41	Every 2 years	
14	Permit To Work / Confined Space / AGT Refresher	PN, PD	0.5 Day	Discussion	QS/42	Every 2 years	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
15	Radiation Safety Refresher*	PN shift staff, RTO and Lab staff	1 day	Classroom	IR/11, QS/41	Annually	Legal requirement and refer to the EHS Standard Training Program (EHS-OT-QS-2021)
16	Safety Training for Supervisor Level	New Supervisor	2 days	Classroom	QS/4 Team / outside	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
16	Safety Training for Management Level	New Management	2 days	Classroom	QS/4 Team / outside	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
17	OPR/First aid	Technical staff	0.5 day	Practice	QS/43 team	Annually	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
18	OPR/First aid	Non Tech staff	0.5 day	Practice	QS/43 team	Every 2 years	EHS Main committee MOM - April 2013
19	Electrical safety + First Aid for electrician	New I&E	1 day	Practice	QS/43 Team	None	Legal requirement and refer to the EHS Standard Training Program (EHS-OT-QS-2021)
	Refresh Electrical safety + First Aid for electrician	I&E	0.5 day	Practice	QS/43 Team	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
	Refresh Electrical safety + First Aid for Operation	Operation	0.5 day	Practice	QS/43 Team	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
20	OPR/First Aid for new staff	New Staffs	1 day	Practice	QS/43 team	When there is new staff (one session/year)	EHS Main committee MOM - April 2013
21	Basic Fire Fighting for new staff	New Staffs	1 day	Practice	QS/31	None	
22	Confined Space Entry + 4hrs. SPPC req	New Staffs	2 days	Classroom/practice	QS/42	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
23	Permit To Work / Confined Space / AGT	New Operators	1 day	Classroom	QS/41	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
23	SWP/ Permit To Work / Confined Space / AGT Refresher	Shift Staff	0.5 day	Classroom	QS/41	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
24	Fire Command (On Scene)	ERT Leader, ERT, EST	1 day	Classroom/practice	QS/31	Every 2 years	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
25	Building Fire Fighting	New Operators	1 day	Classroom/practice	QS/31	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
26	Techniques Fire Fighting	New Operators	1 day	Classroom/practice	QS/32	None	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
27	EHS Refresher	All Staff	0.5 day	Classroom	QS Team	Every 2 years Every 3 years (based on EHS-OT-QS-0001, 17 Nov 2020)	Refer to the EHS Standard Training Program (EHS-OT-QS-0001)
28	HRA Facilitator	HRA Facilitator	0.5 day	Classroom	QS/43	Every 5 years	

Item	Course Name	Target Group	Duration	Type	Instructor	Frequency	Remark
1	Internal Auditor Refresher Training Plus CAR/PAR software	MS/PSM auditors	2 days	Class room	Outside (QS/1)	None	
2	ISO 45001 Requirement	MS Department Focal point/Champion	1 day	Class room	Outside (QS/1)	None	
3	ILF Roadshow	New staff, and staff who not attend	2 hrs	Class room	QS/1	None	
4	PSM Internal Auditor Course	For new PSM Auditor 7-8 persons	1 day	Class room	QS/1	None	Required by Law for IA PSM

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## EHS Training Schedule 2023

Course Name	Target Group	Shift/Day	Duration	Type	Date	Venue	Custodian/Instructor
Adv. Fire Training Refresher (Normex suit and PPE) Item 29	ERT, EST, OSC, OSC-NON	Shift A	1 day	Theory & Practice		NPC S&E	QS/3 Team
Adv. Fire Training Refresher (Normex suit and PPE) Item 29	ERT, EST, OSC, OSC-NON	Shift B	1 day	Theory & Practice		NPC S&E	QS/3 Team
Adv. Fire Training Refresher (Normex suit and PPE) Item 29	ERT, EST, OSC, OSC-NON	Shift C	1 day	Theory & Practice		NPC S&E	QS/3 Team
Adv. Fire Training Refresher (Normex suit and PPE) Item 29	ERT, EST, OSC, OSC-NON	Shift D	1 day	Theory & Practice		NPC S&E	QS/3 Team
Technical Fire Fighting Training for ERT Leader & Member - 1 (Normex suit and PPE)	ERT (JG G-H) ERT Member	Shift A	1 day	Classroom/Exercise		R-106 / Fire Station	QS/3 Team
Technical Fire Fighting Training for ERT Leader & Member - 1 (Normex suit and PPE)	ERT (JG G-H) ERT Member	Shift B	1 day	Classroom/Exercise		R-106 / Fire Station	QS/3 Team
Technical Fire Fighting Training for ERT Leader & Member - 1 (Normex suit and PPE)	ERT (JG G-H) ERT Member	Shift C	1 day	Classroom/Exercise		R-106 / Fire Station	QS/3 Team
Technical Fire Fighting Training for ERT Leader & Member - 1 (Normex suit and PPE)	ERT (JG G-H) ERT Member	Shift D	1 day	Classroom/Exercise		R-106 / Fire Station	QS/3 Team
Technical Fire Fighting Training for ERT Leader & Member - 2 (Normex suit and PPE)	ERT (JG G-H) ERT Member	Shift A	1 day	Classroom/Exercise		R-106 / Fire Station	QS/3 Team
Technical Fire Fighting Training for ERT Leader & Member - 2 (Normex suit and PPE)	ERT (JG G-H) ERT Member	Shift B	1 day	Classroom/Exercise		R-106 / Fire Station	QS/3 Team
Technical Fire Fighting Training for ERT Leader & Member - 2 (Normex suit and PPE)	ERT (JG G-H) ERT Member	Shift C	1 day	Classroom/Exercise		R-106 / Fire Station	QS/3 Team
Technical Fire Fighting Training for ERT Leader & Member - 2 (Normex suit and PPE)	ERT (JG G-H) ERT Member	Shift D	1 day	Classroom/Exercise		R-106 / Fire Station	QS/3 Team
CPR & First Aid Training Refresher for Shift Staff	PN, PD, Lab Shift Staff	Shift A	0.5 day (A.M.)	Theory & Practice		R-106	QS/43
CPR & First Aid Training Refresher for Shift Staff	PN, PD, Lab Shift Staff	Shift B	0.5 day (A.M.)	Theory & Practice		R-106	QS/43
CPR & First Aid Training Refresher for Shift Staff	PN, PD, Lab Shift Staff	Shift C	0.5 day (A.M.)	Theory & Practice		R-106	QS/43
CPR & First Aid Training Refresher for Shift Staff	PN, PD, Lab Shift Staff	Shift D	0.5 day (A.M.)	Theory & Practice		R-106	QS/43
Fire Truck Training - 1st Half (Normex suit and PPE)	PN, PD (Driver)	Shift A	1 day (AM-6 PP, PM-6 PP)	Practice		Fire Station	QS/3 Team
Fire Truck Training - 1st Half (Normex suit and PPE)	Assigned Fire truck driver (2 person /area) PN, PD (Driver)	Shift B	1 day (AM-6 PP, PM-6 PP)	Practice		Fire Station	QS/3 Team
Fire Truck Training - 1st Half (Normex suit and PPE)	Assigned Fire truck driver (2 person /area) PN, PD (Driver)	Shift C	1 day (AM-6 PP, PM-6 PP)	Practice		Fire Station	QS/3 Team
Fire Truck Training - 1st Half (Normex suit and PPE)	Assigned Fire truck driver (2 person /area) PN, PD (Driver)	Shift D	1 day (AM-6 PP, PM-6 PP)	Practice		Fire Station	QS/3 Team
Fire Truck Training - 2nd Half (Normex suit and PPE)	Assigned Fire truck driver (2 person /area) PN, PD (Driver)	Shift A	1 day (AM-6 PP, PM-6 PP)	Practice		Fire Station	QS/3 Team
Fire Truck Training - 2nd Half (Normex suit and PPE)	Assigned Fire truck driver (2 person /area) PN, PD (Driver)	Shift B	1 day (AM-6 PP, PM-6 PP)	Practice		Fire Station	QS/3 Team
Fire Truck Training - 2nd Half (Normex suit and PPE)	Assigned Fire truck driver (2 person /area) PN, PD (Driver)	Shift C	1 day (AM-6 PP, PM-6 PP)	Practice		Fire Station	QS/3 Team
Fire Truck Training - 2nd Half (Normex suit and PPE)	Assigned Fire truck driver (2 person /area) PN, PD (Driver)	Shift D	1 day (AM-6 PP, PM-6 PP)	Practice		Fire Station	QS/3 Team
HAZMAT Training Refresher 1 (Normex suit and PPE)	ERT, EST, OSC, OSC-NON	Shift A	0.5 day	Theory & Practice		R-106	QS/3 Team
HAZMAT Training Refresher 1 (Normex suit and PPE)	ERT, EST, OSC, OSC-NON	Shift B	0.5 day	Theory & Practice		R-106	QS/3 Team
HAZMAT Training Refresher 1 (Normex suit and PPE)	ERT, EST, OSC, OSC-NON	Shift C	0.5 day	Theory & Practice		R-106	QS/3 Team
HAZMAT Training Refresher 1 (Normex suit and PPE)	ERT, EST, OSC, OSC-NON	Shift D	0.5 day	Theory & Practice		R-106	QS/3 Team
Rescue Training Refresher 1 (Normex suit and PPE)	ERT, EST, OSC, OSC-NON	Shift A	0.6 day (Tent)	Theory & Practice		R-106 & Field	QS/3 Team
Rescue Training Refresher 1 (Normex suit and PPE)	ERT, EST, OSC, OSC-NON	Shift B	0.6 day (Tent)	Theory & Practice		R-106 & Field	QS/3 Team
Rescue Training Refresher 1 (Normex suit and PPE)	ERT, EST, OSC, OSC-NON	Shift C	0.6 day (Tent)	Theory & Practice		R-106 & Field	QS/3 Team
Rescue Training Refresher 1 (Normex suit and PPE)	ERT, EST, OSC, OSC-NON	Shift D	0.6 day (Tent)	Theory & Practice		R-106 & Field	QS/3 Team
Oil Spill Response training refresher for front line operator (IMO Level 1)	PD shift staff (PD/32, PD/33, PM)	Shift A/D	1 day	Theory & Practice	TBC	MCB Meeting Room	PD/1B
Oil Spill Response training refresher for front line operator (IMO Level 1)	PD shift staff (PD/32, PD/33, PM)	Shift B/C	1 day	Theory & Practice	TBC	MCB Meeting Room	PD/1B
Oil Spill Response training refresher for front line operator (IMO Level 1)	PD shift staff (PD/32, PM) & Warehouse	Shift A/D	1 day	Theory & Practice	TBC	MCB Meeting Room	PD/7A6 & AS/135
Oil Spill Response training refresher for front line operator (IMO Level 1)	PD shift staff (PD/32, PM) & Warehouse	Shift B/C	1 day	Theory & Practice	TBC	MCB Meeting Room	PD/7A6 & AS/135
Basic Fire Fighting for Technical Staff (refresh every 2 years)	Technical Staff + PN, PD Operator (Not FIT)	Day	0.5 day	Theory & Practice		NPC S&E	QS/3 Team
Basic Fire Fighting for Technical Staff (refresh every 2 years)	Technical Staff + PN, PD Operator (Not FIT)	Day	0.5 day	Theory & Practice		NPC S&E	QS/3 Team
Basic Fire Fighting for Technical Staff (refresh every 2 years)	Technical Staff + PN, PD Operator (Not FIT)	Day	0.5 day	Theory & Practice		NPC S&E	QS/3 Team
Basic Fire Fighting for Technical Staff (refresh every 2 years)	Technical Staff + PN, PD Operator (Not FIT)	Day	0.6 day	Theory & Practice		NPC S&E	QS/3 Team
Basic Fire Fighting for Non-Technical Staff (refresh every 5 years)	Office Staff	Day	0.5 day	Theory & Practice		NPC S&E	QS/3 Team
Basic Fire Fighting for Non-Technical Staff (refresh every 5 years)	Office Staff	Day	0.5 day	Theory & Practice		NPC S&E	QS/3 Team
Basic Fire Fighting for Non-Technical Staff (refresh every 5 years)	Office Staff	Day	0.5 day	Theory & Practice		NPC S&E	QS/3 Team
Basic Fire Fighting for Non-Technical Staff (refresh every 5 years)	Office Staff	Day	0.5 day	Theory & Practice		NPC S&E	QS/3 Team
Fire Training Refresher for Lab	Lab Staff	Day, Shift A/D	0.5 day	Practice		NPC S&E	QS/3 Team
Fire Training Refresher for Lab	Lab Staff	Day, Shift B/C	0.5 day	Practice		NPC S&E	QS/3 Team
CPR & First Aid Training Refresher for Technical Staff	Technical Staff (every year)	Day	0.5 day	Theory & Practice	TBC	R-106	QS/43
CPR & First Aid Training Refresher for Technical Staff	Technical Staff (every year)	Day	0.5 day	Theory & Practice	TBC	R-106	QS/43
CPR & First Aid Training Refresher for Technical Staff	Technical Staff (every year)	Day	0.5 day	Theory & Practice	TBC	R-106	QS/43
CPR & First Aid Training Refresher for Technical Staff	Technical Staff (every year)	Day	0.5 day	Theory & Practice	TBC	R-106	QS/43
CPR & First Aid Training Refresher for Non-Technical Staff	Day Staff (every 2 years)	Day	0.6 day	Theory & Practice	TBC	R-106	QS/43
CPR & First Aid Training Refresher for Non-Technical Staff	Day Staff (every 2 years)	Day	0.6 day	Theory & Practice	TBC	R-106	QS/43
CPR & First Aid Training Refresher for Non-Technical Staff	Day Staff (every 2 years)	Day	0.6 day	Theory & Practice	TBC	R-106	QS/43
CPR & First Aid Training Refresher for Non-Technical Staff	Day Staff (every 2 years)	Day	0.6 day	Theory & Practice	TBC	R-106	QS/43
CPR & First Aid Training Refresher for Non-Technical Staff	Day Staff (every 2 years)	Day	0.6 day	Theory & Practice	TBC	R-106	QS/43
CPR & First Aid Training Refresher for Electrical Team	Electrical Team	Day	0.5 day	Theory & Practice	TBC	R-106	QS/43
Permit to Work (Level 1)	Instrument Inspector, Lab Staff, Shift Sup	Day/Shift	5 days	Theory		PUB	QS/41 & R/2
Safety Working with Hazardous Substance and Gas cylinders handling (refresh every year)	Lab & Warehouse	Day, Shift A/D	0.5 day	Classroom		R-106	QS/43
Permit To Work confirm with Bank QS	Lab Staff	Day, Shift A/D	0.5 day	Classroom		R-106	QS/41
Safety Working with Hazardous Substance and Gas cylinders handling (refresh every year)	Lab & Warehouse	Day, Shift B/C	0.5 day	Classroom		R-106	QS/43
Permit To Work confirm with Bank QS	Lab Staff	Day, Shift B/C	0.5 day	Classroom		R-106	QS/41
e-Permit To Work	Operation	Day, Shift A/D	1 day	Classroom		R-106	QS/41
e-Permit To Work	Operation	Day, Shift B/C	1 day	Classroom		R-106	QS/41
e-Permit To Work	Day staff who relating with PTW	Day	1 day	Classroom		R-106	QS/41
Chief Safety Department	New Manager QS	Day	7 days	Classroom	TBC	PUB (if any)	QS/42
Safety Training for Supervisor Level	New Supervisor	Day/Shift	2 days	Classroom	TBC	PUB (if any)	QS/42
Safety Training for Management Level	New Management	Day/Shift	2 days	Classroom	TBC	PUB (if any)	QS/42
EHS Main Committee Member	Assigned Person	Day/Shift	2 days	Classroom	TBC	PUB (if any)	QS/41
EHS for Job Rotation (significant change in risk and hazard)	Assigned Person	Day/Shift	3 hrs.	Classroom	TBC	INH (if any)	QS/42
EHS Refresher (refresh every 3 years)	SPRC Staff	Day/Shift	6 hrs.	Classroom	TBC	INH	QS/42
Electrical safety + First Aid for Electrician	New I&E	Day	1 day	Theory & Practice	TBC	R-106 (if any)	QS/43
CPR & First Aid Training for New Staff	New Staff	Day	1 day	Theory & Practice	TBC	R-106	QS/43
Basic Fire Fighting for New Staff	New Staff (Inc. Operator)	Day	1 day	Theory & Practice	TBC	NPC S&E	QS/3 Team
Technical Fire Fighting for New Operation staff (PN & PD)	New Staff (Operator)	Day	1 day	Theory & Practice	TBC	R-106 & Fire Station	QS/3 Team
SCBA for New Operation Staff (Normex suit and PPE)	New Staff (Operator)	Day	0.5 day	Theory & Practice	TBC	Fire Station	QS/3 Team
SCBA refresher (refresh every 2 years)	Staff who use SCBA (except ERT, EST)	Day/Shift	0.5 day	Theory	TBC	INH	QS/3 Team
PTW / Isolation of equipment / JSA / SWP (every 2 years)	All operation, Maintenance, TB, IR	Day/Shift A	0.5 day	Classroom		R-106	QS/41
SPRC Confined Space Training Refresher	All operation, Maintenance, TB, IR	Day/Shift A	0.5 day	Classroom		R-106	QS/41
PTW / Isolation of equipment / JSA / SWP (every 2 years)	All operation, Maintenance, TB, IR	Day/Shift B	0.5 day	Classroom		R-106	QS/41
SPRC Confined Space Training Refresher	All operation, Maintenance, TB, IR	Day/Shift B	0.5 day	Classroom		R-106	QS/41
PTW / Isolation of equipment / JSA / SWP (every 2 years)	All operation, Maintenance, TB, IR	Day/Shift C	0.5 day	Classroom		R-106	QS/41
SPRC Confined Space Training Refresher	All operation, Maintenance, TB, IR	Day/Shift C	0.5 day	Classroom		R-106	QS/41
PTW / Isolation of equipment / JSA / SWP (every 2 years)	All operation, Maintenance, TB, IR	Day/Shift D	0.5 day	Classroom		R-106	QS/41
SPRC Confined Space Training Refresher	All operation, Maintenance, TB, IR	Day/Shift D	0.5 day	Classroom		R-106	QS/41
Confined Space Entry (4 4)	New Staff (Operation, OC)	Day/Shift	4 days	Classroom/Practice		PUB	QS/42
Confined Space Entry (กฏบังคับ)	New Staff (Process Engineer)	Day	2 days	Classroom/Practice		PUB	QS/42
Environmental Manager	New Manager QS	Day	1 day	Classroom	TBC	PUB	QS/2 Team
Environmental Controller	New Environmental Specialist	Day	5 days	Classroom	TBC	PUB	QS/2 Team
Environmental Operator (Water)	New PD Shift Supervisor	Shift	2 days	Classroom	TBC	PUB	QS/2 Team
Environmental Operator (Air)	New PN Shift Supervisor	Shift	2 days	Classroom	TBC	PUB	QS/2 Team
Environmental Operator (Waste)	New Equipment Service Supervisor	Shift	2 days	Classroom	TBC	PUB	QS/2 Team
IEF Supervisor Skill	New Supervisor	Day/Shift	1 day	Classroom	TBC	R-106	QS/4
Energy Responsible Person (รับผิดชอบด้านพลังงาน)	Assigned Person			Classroom	TBC	PUB	QS/2 Team
Senior Energy Responsible Person (รับผิดชอบด้านพลังงานอาวุโส)	Assigned Person			Classroom	TBC	PUB	QS/2 Team

## ภาคผนวก ข.22

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### แผนฉุกเฉิน และการซ้อมแผนฉุกเฉิน

# ฝั่งตอบโต้ภาวะฉุกเฉิน



SPRC

*"One family ...  
fueling the  
future of  
Thailand"*



1

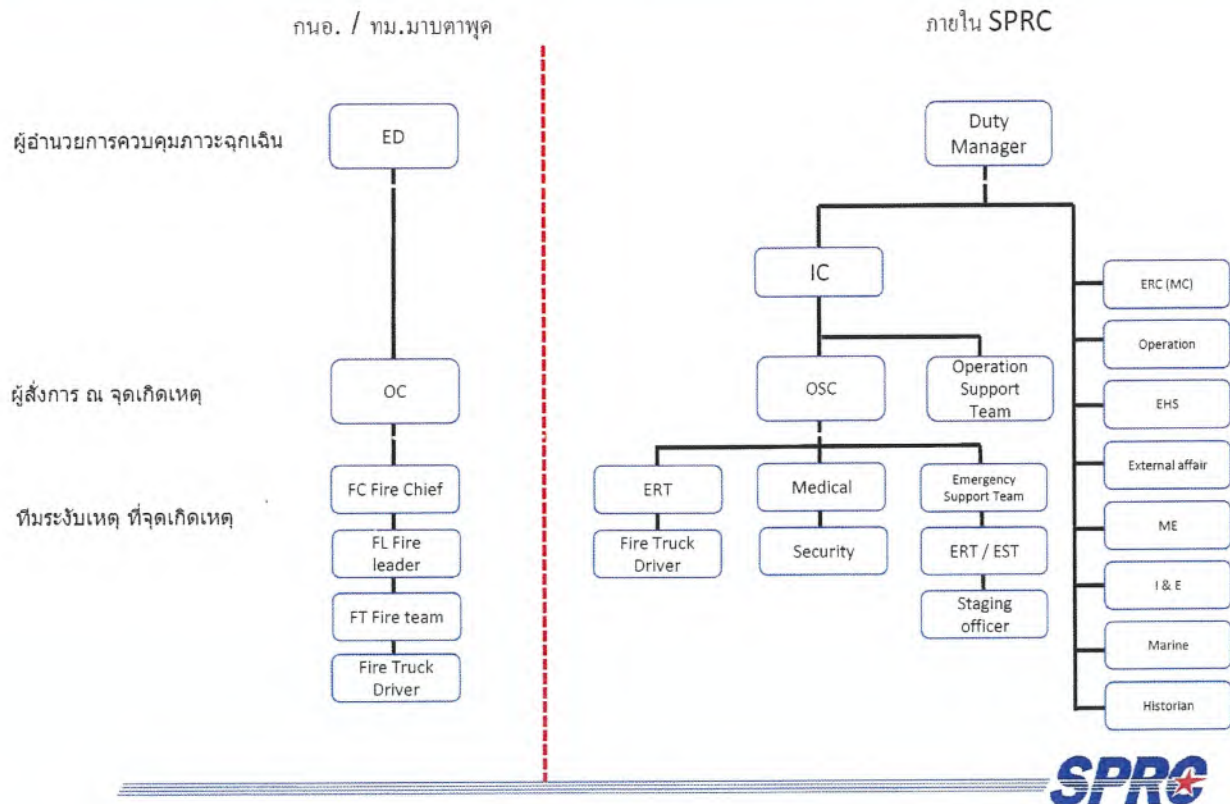
## เปรียบเทียบระดับการตอบโต้ภาวะฉุกเฉิน

แผนฉุกเฉินจังหวัด ระยอง	แผนฉุกเฉินนิคม อุตสาหกรรม	แผนฉุกเฉิน SPRC	การใช้งำลังพลและทรัพยากร
เหตุฉุกเฉินระดับ 2			
เหตุฉุกเฉินระดับ 1	ภาวะฉุกเฉินระดับนิคม อุตสาหกรรม 3	ภาวะฉุกเฉินระดับ 3	- ขอสนับสนุนกำลังพลและทรัพยากร จากเทศบาลเมืองมาบตาพุด
เหตุฉุกเฉินระดับโรงงาน	ภาวะฉุกเฉินระดับนิคม อุตสาหกรรม 2	ภาวะฉุกเฉินระดับ 2	- ขอสนับสนุนกำลังพลและทรัพยากร จากกลุ่ม EMAG หรือ กนอ.
	ภาวะฉุกเฉินระดับนิคม อุตสาหกรรม 1	ภาวะฉุกเฉินระดับ 1 B	- ขอสนับสนุนทีม DUTY และพนักงาน ปฏิบัติการที่ Off Shift ของโรงงาน - ใช้ทรัพยากรของโรงงาน
		ภาวะฉุกเฉินระดับ 1 A	- พนักงานปฏิบัติการที่เข้าปฏิบัติงาน ภายในวัน-เวลาที่เกิดเหตุเท่านั้น - ใช้ทรัพยากรของโรงงาน
	เหตุผิดปกติระดับนิคม อุตสาหกรรม	เหตุผิดปกติระดับโรงงาน	



2

# โครงสร้างองค์กรการตอบโต้ภาวะฉุกเฉิน





*Star Petroleum Refining Public Company Limited*

**Process Safety & QEHS Department**

**EHS-SP-QS-0006  
Emergency Response Plan**

**Prepared by:** \_\_\_\_\_  
Bundit Vayuwattanasiri  
Lead Emergency Management (QS/3)

**Reviewed and** \_\_\_\_\_  
**Approved by:** Pongkorn Chochuwong  
Manager Process Safety & QEHS (QS)





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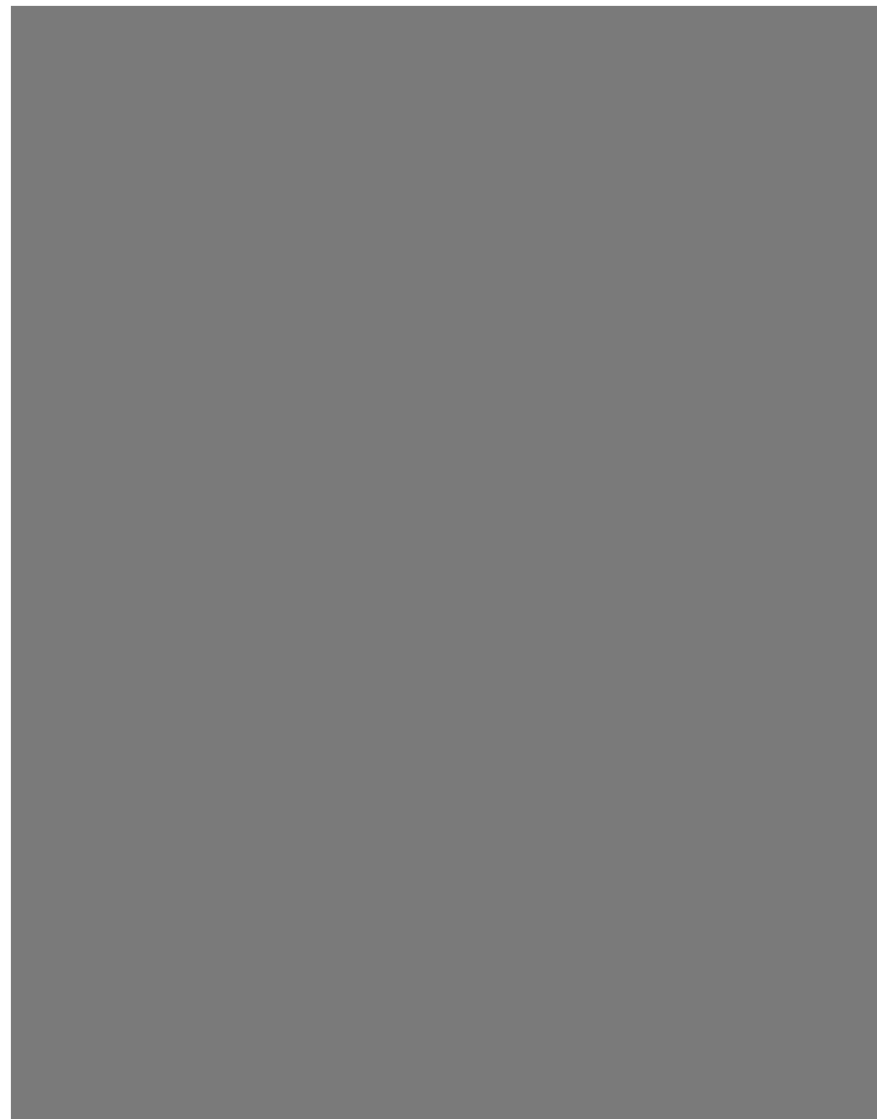
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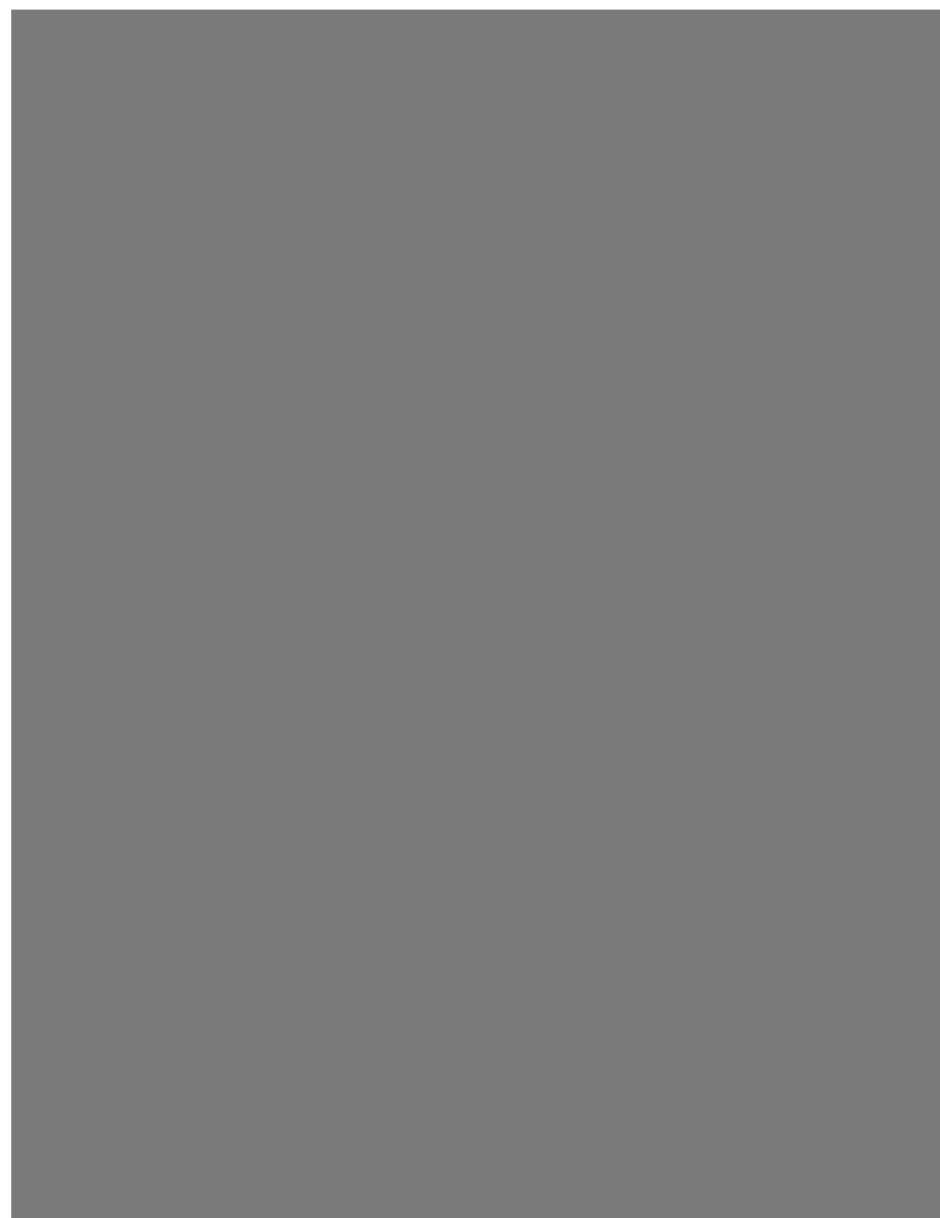
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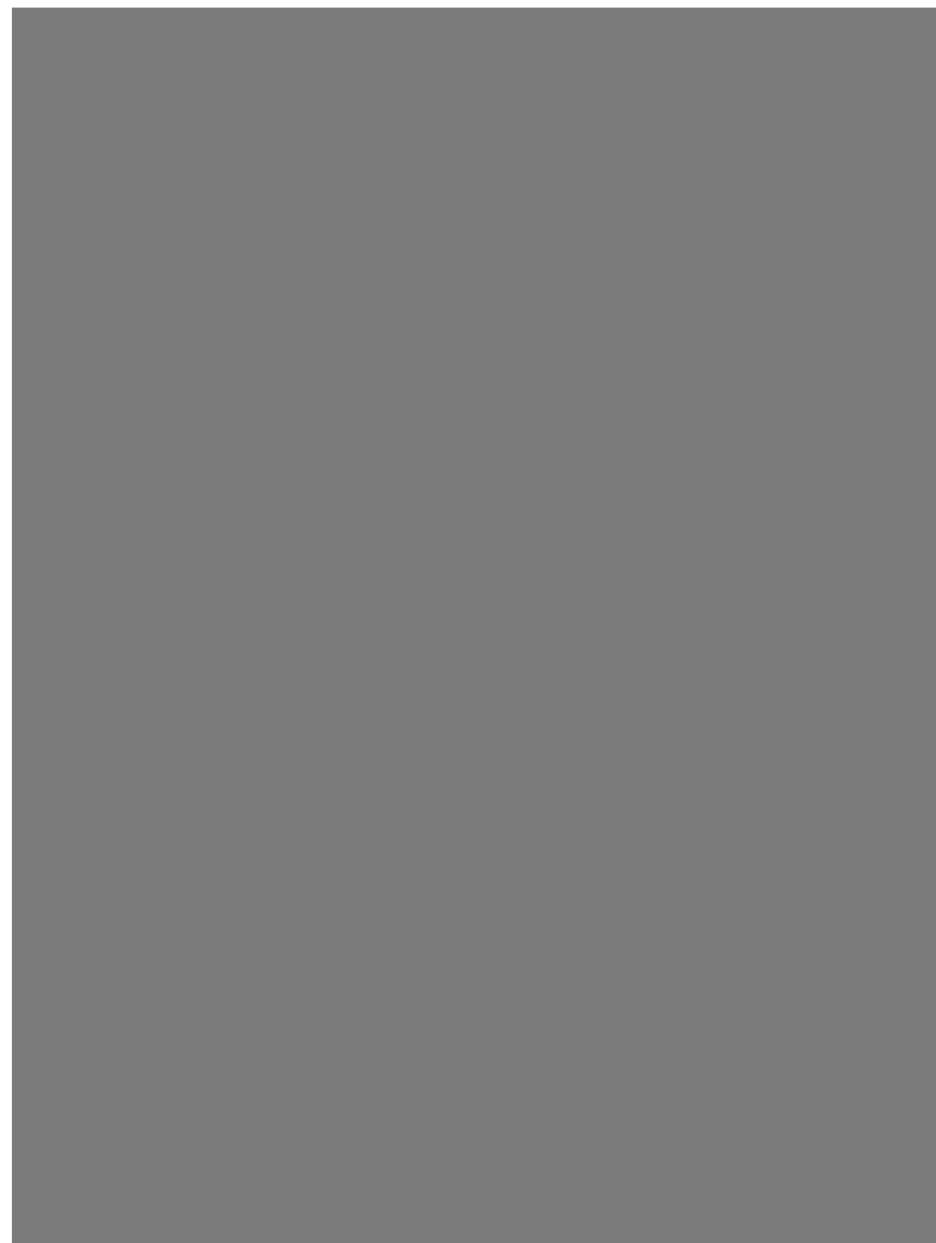
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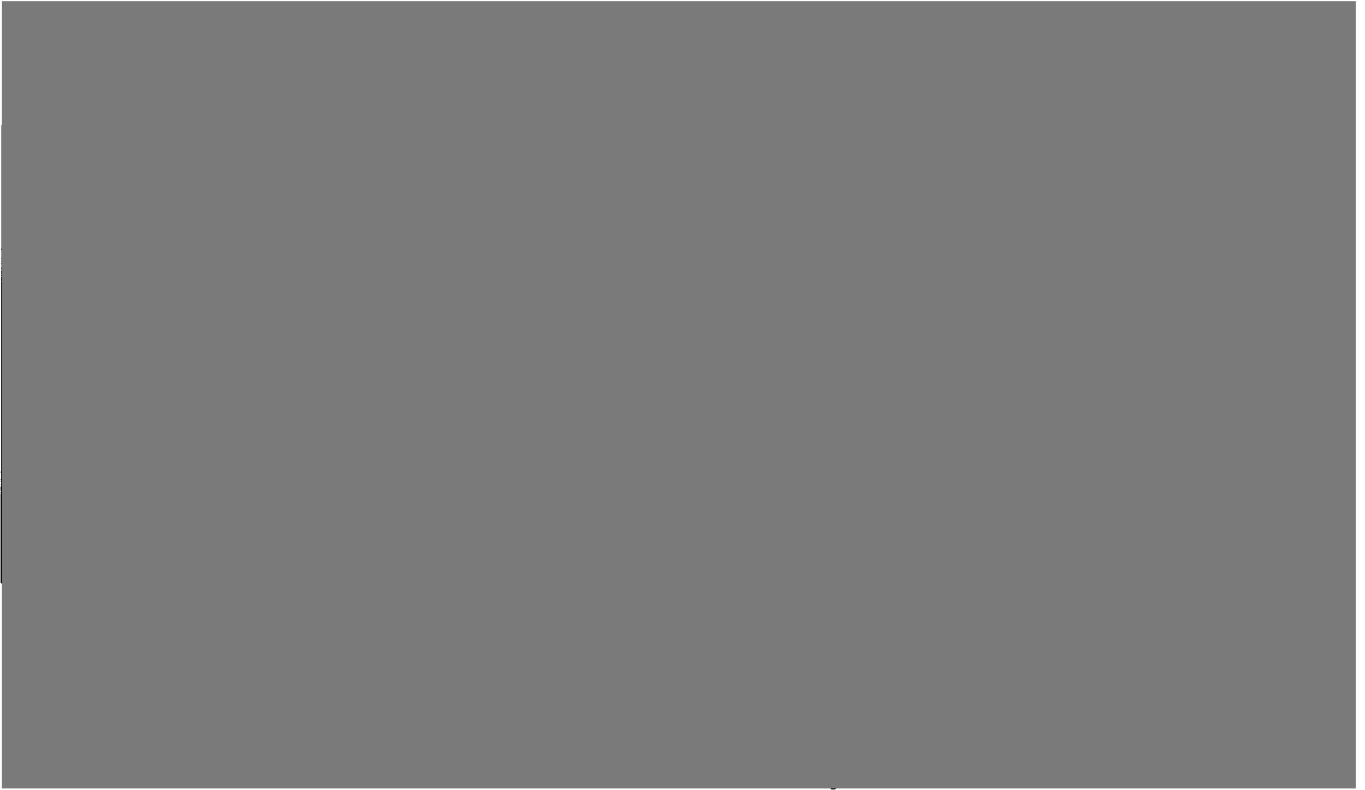
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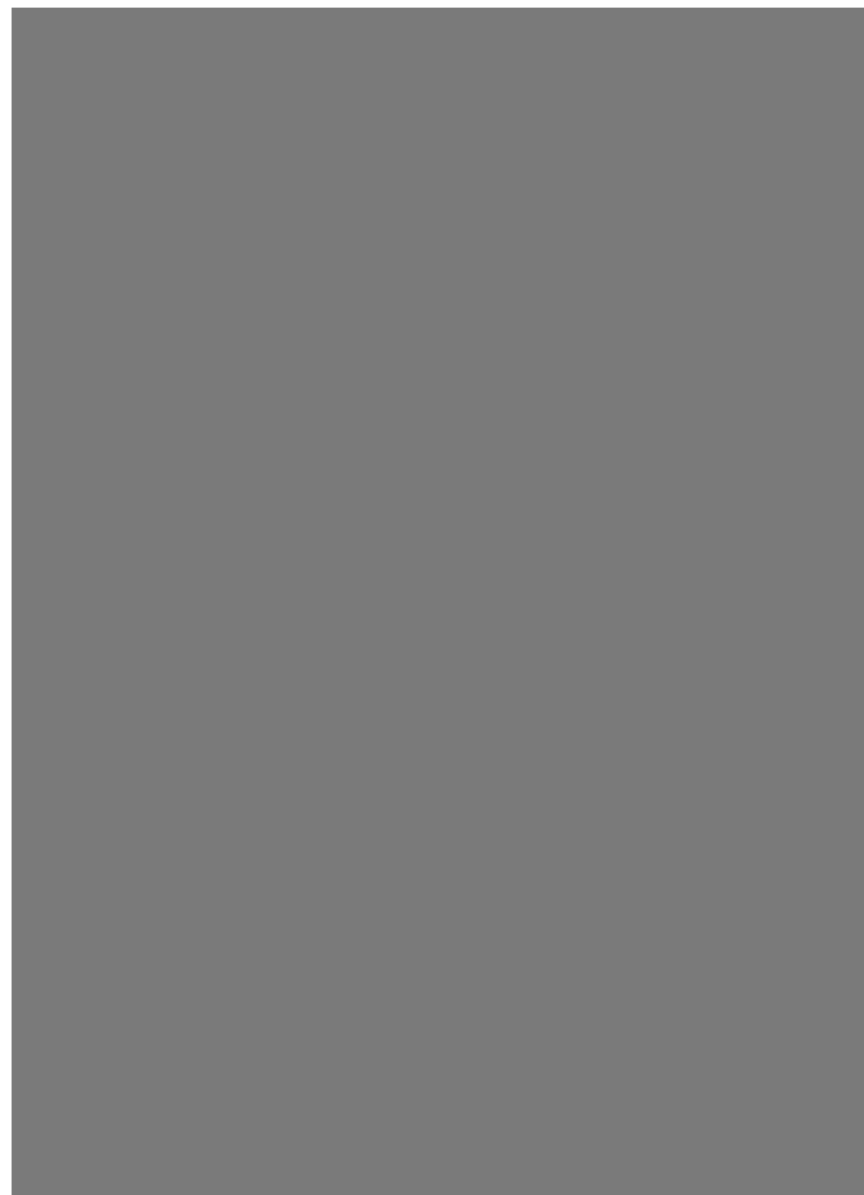
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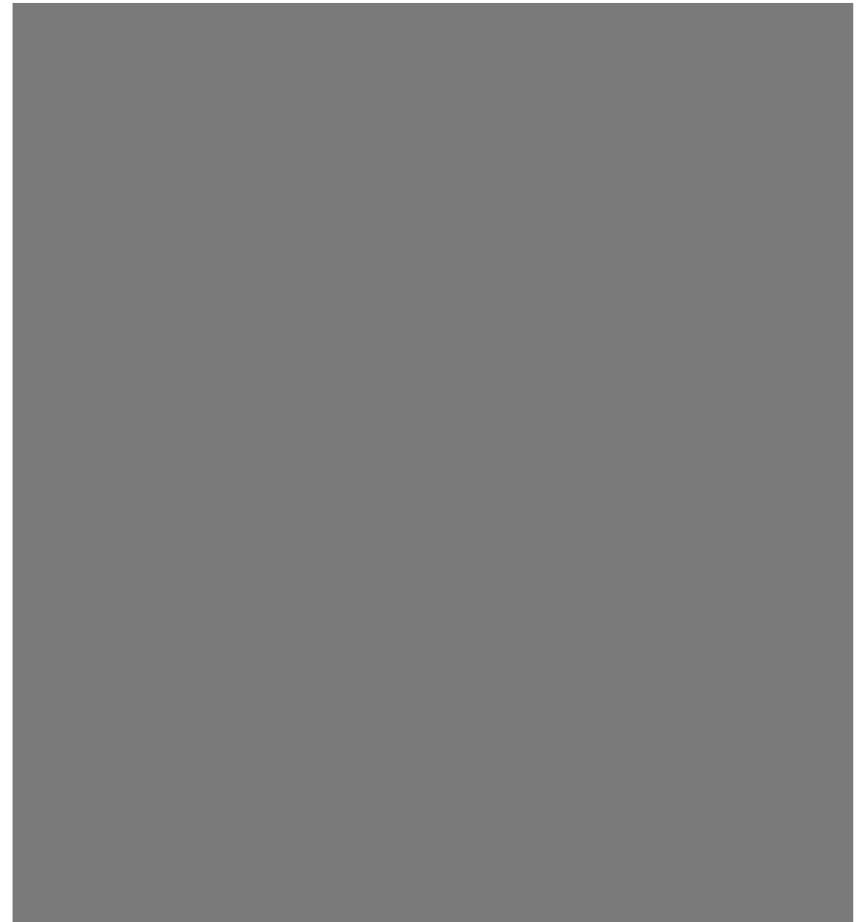
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#### 14. APPENDIX

##### APPENDIX A ROLES AND RESPONSIBILITIES



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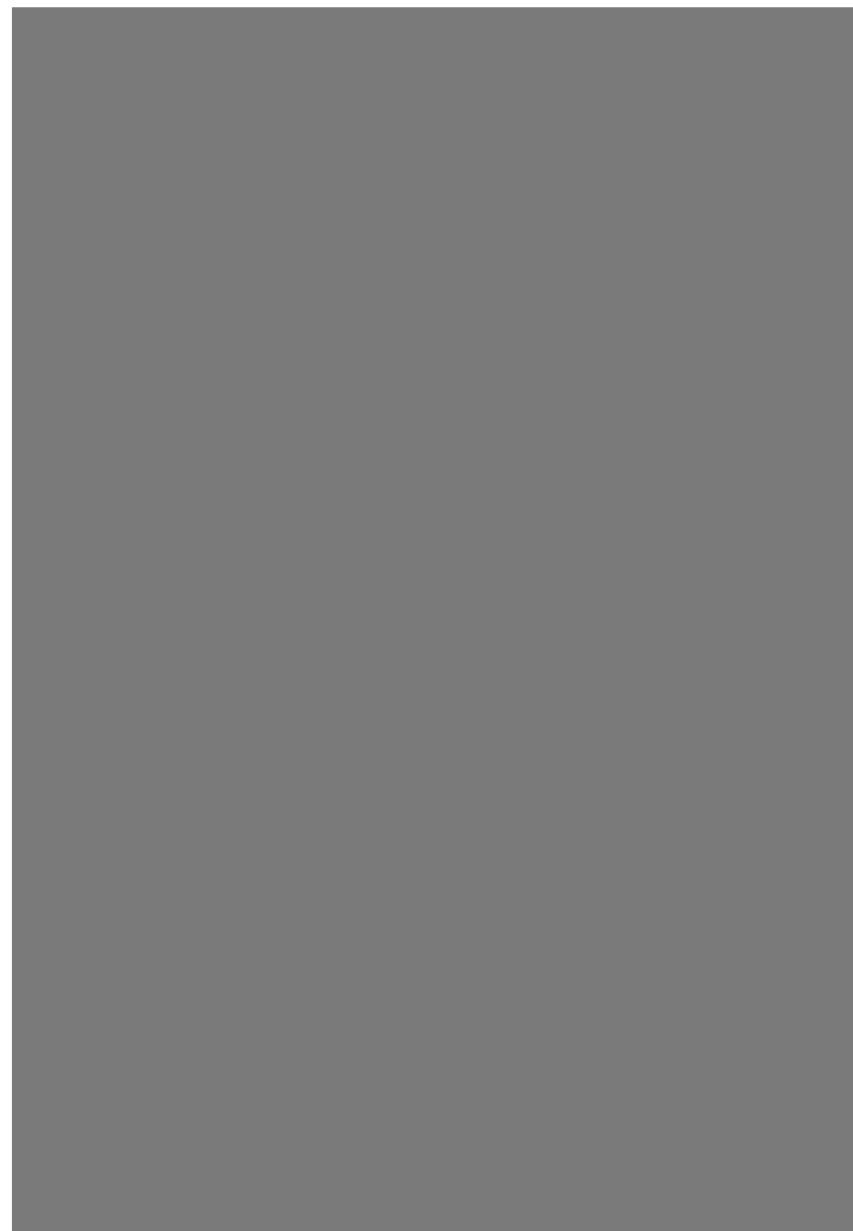
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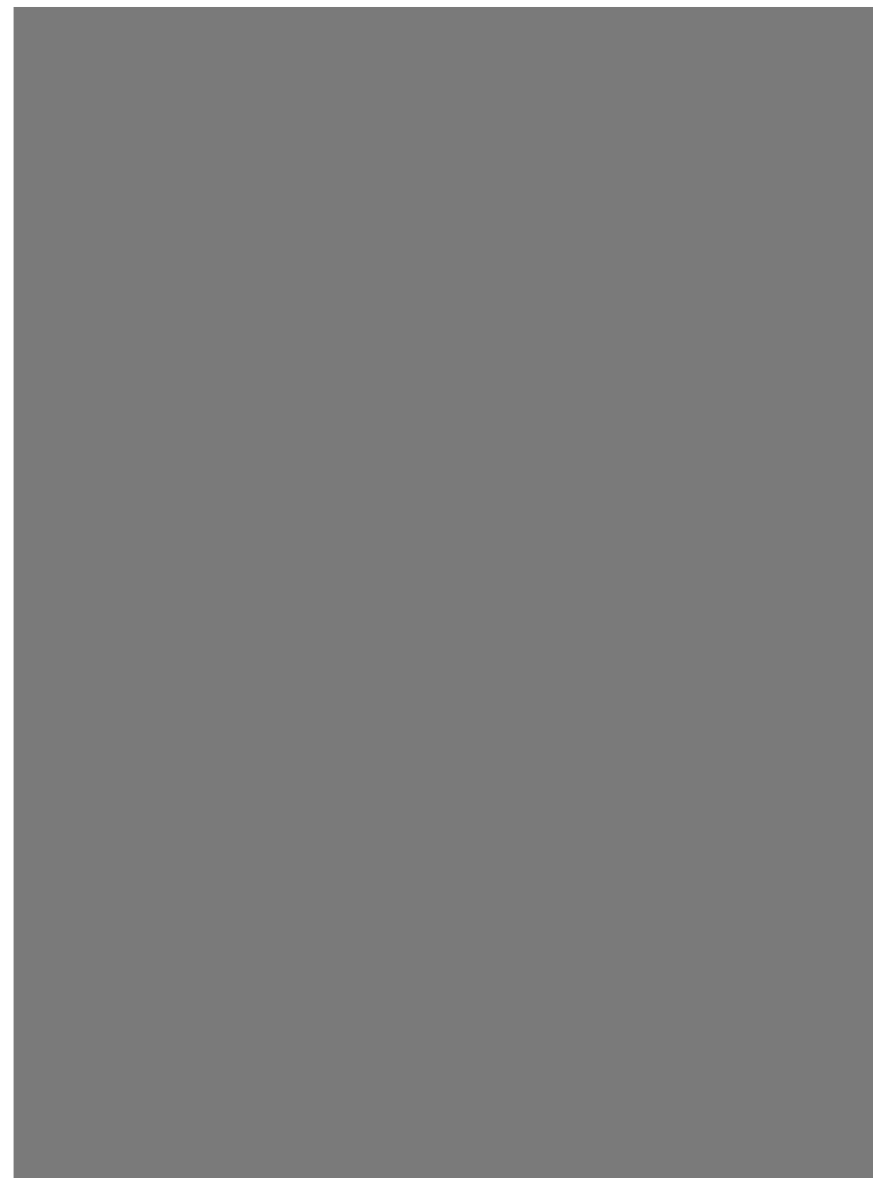
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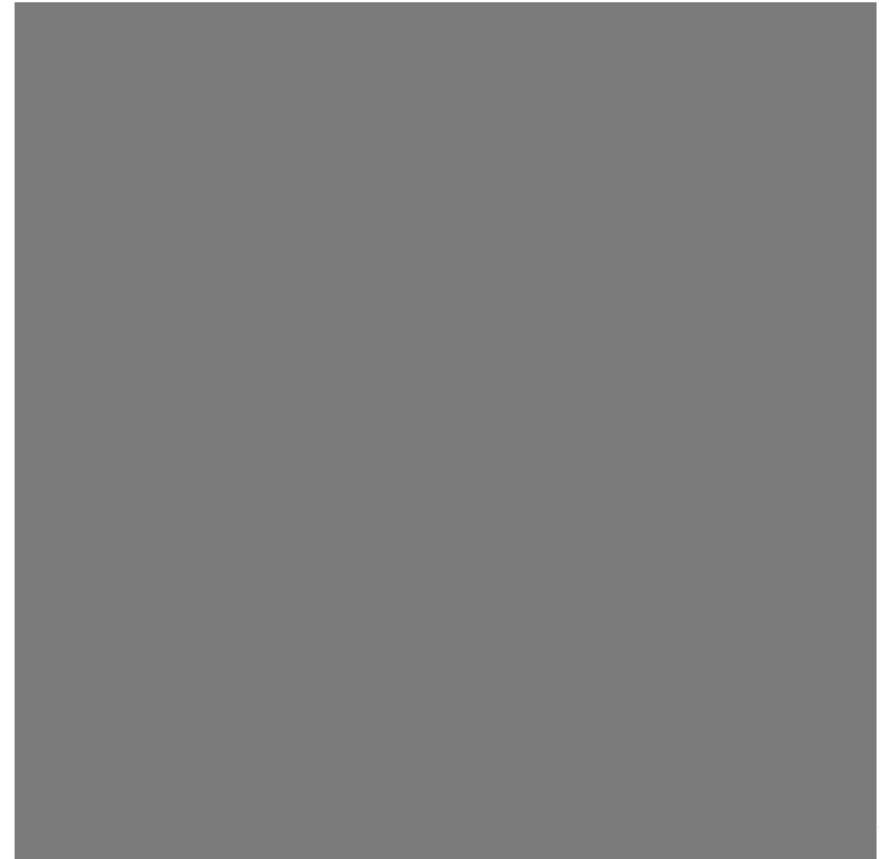
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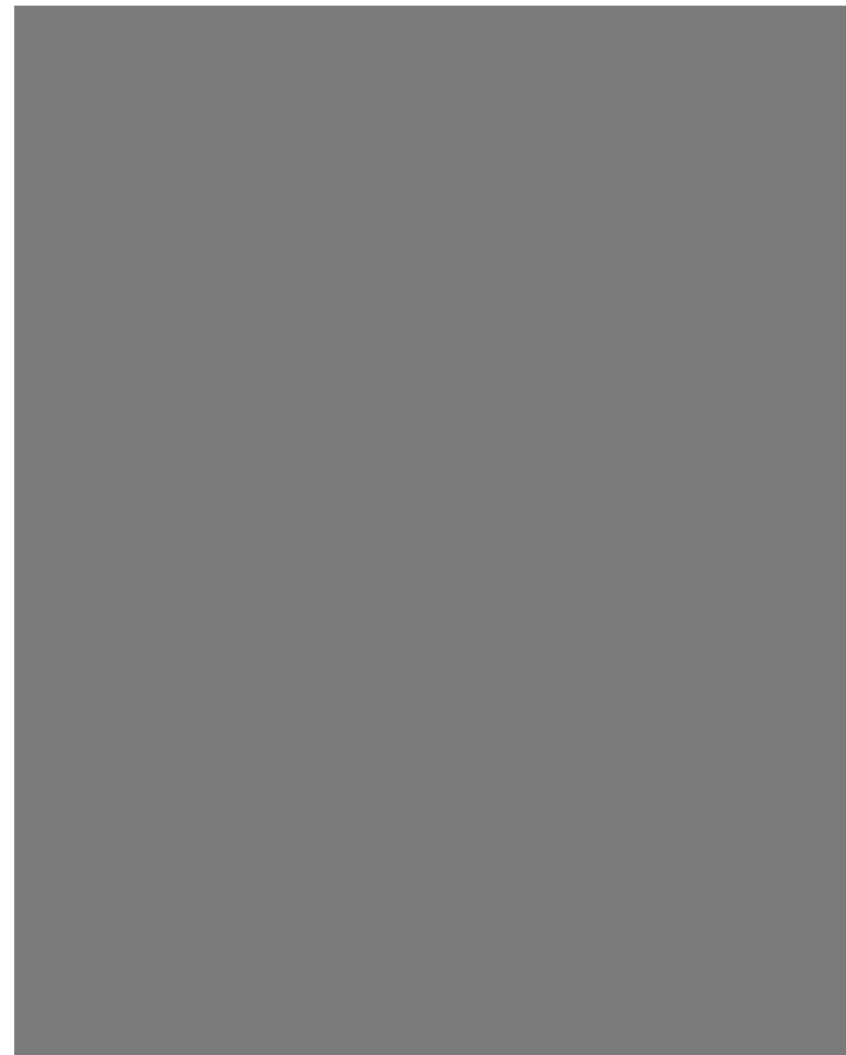
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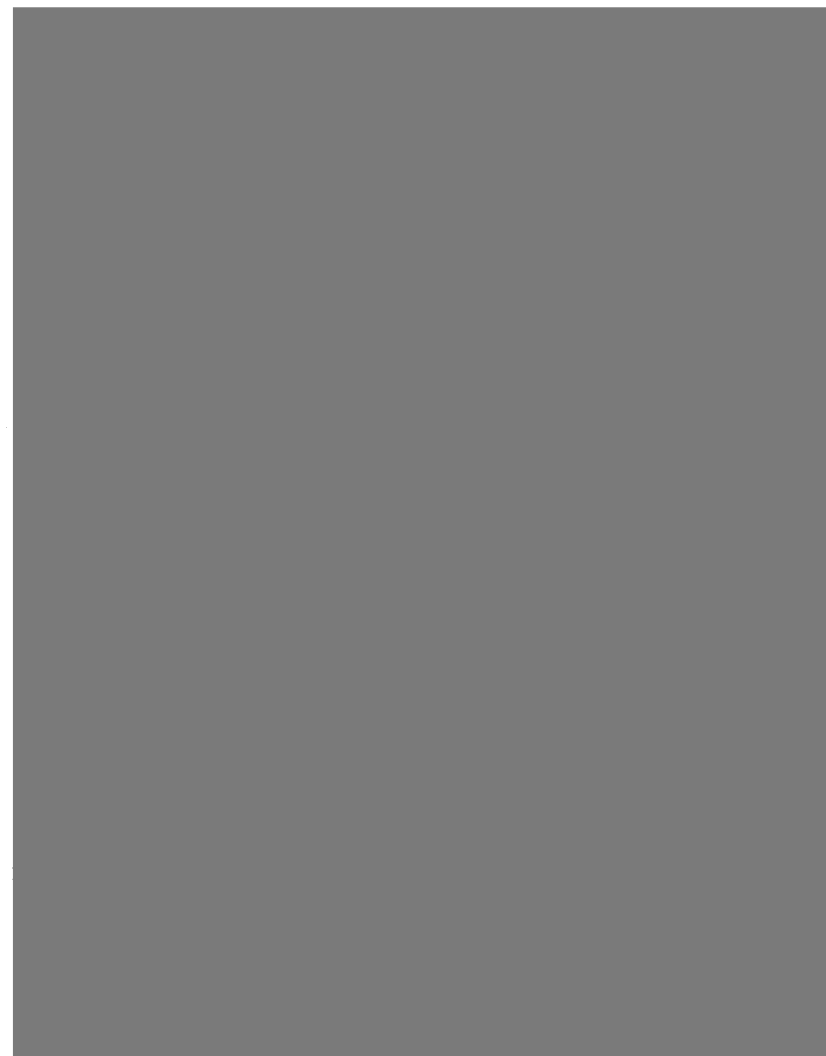
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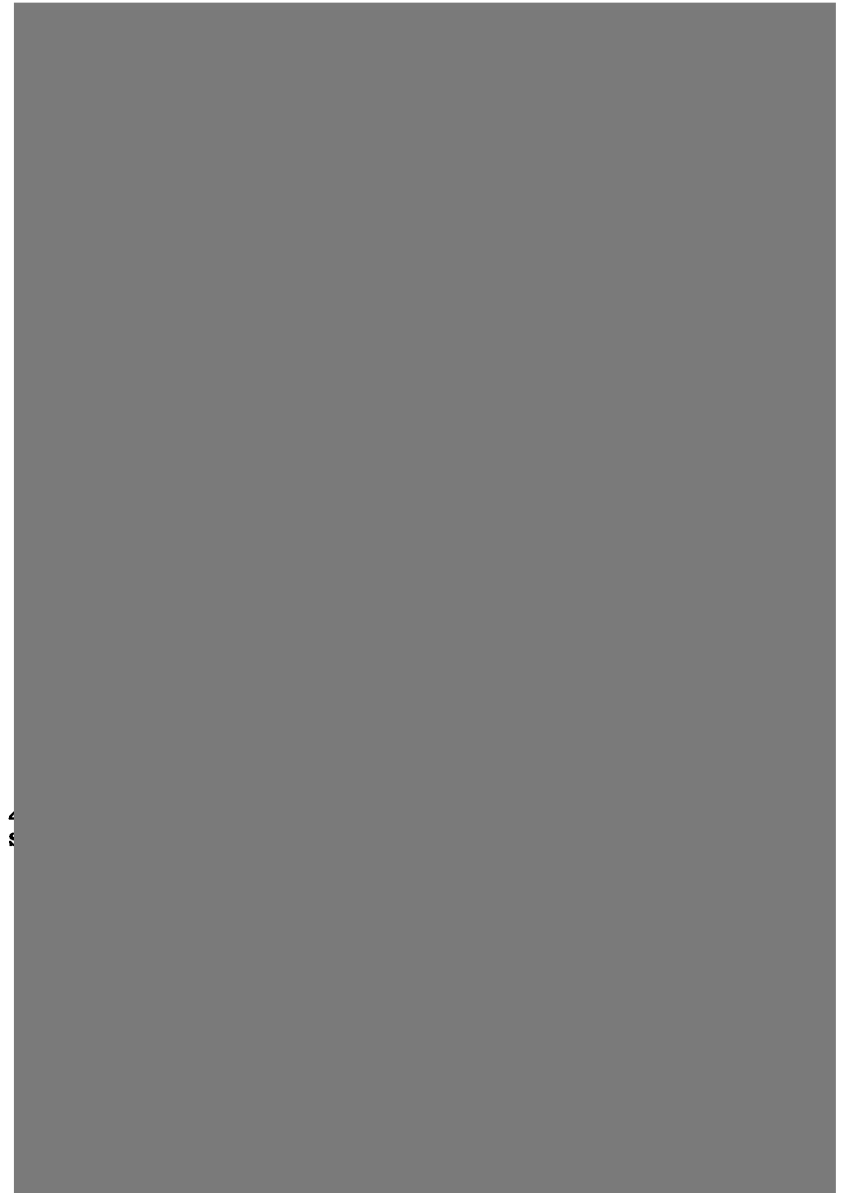
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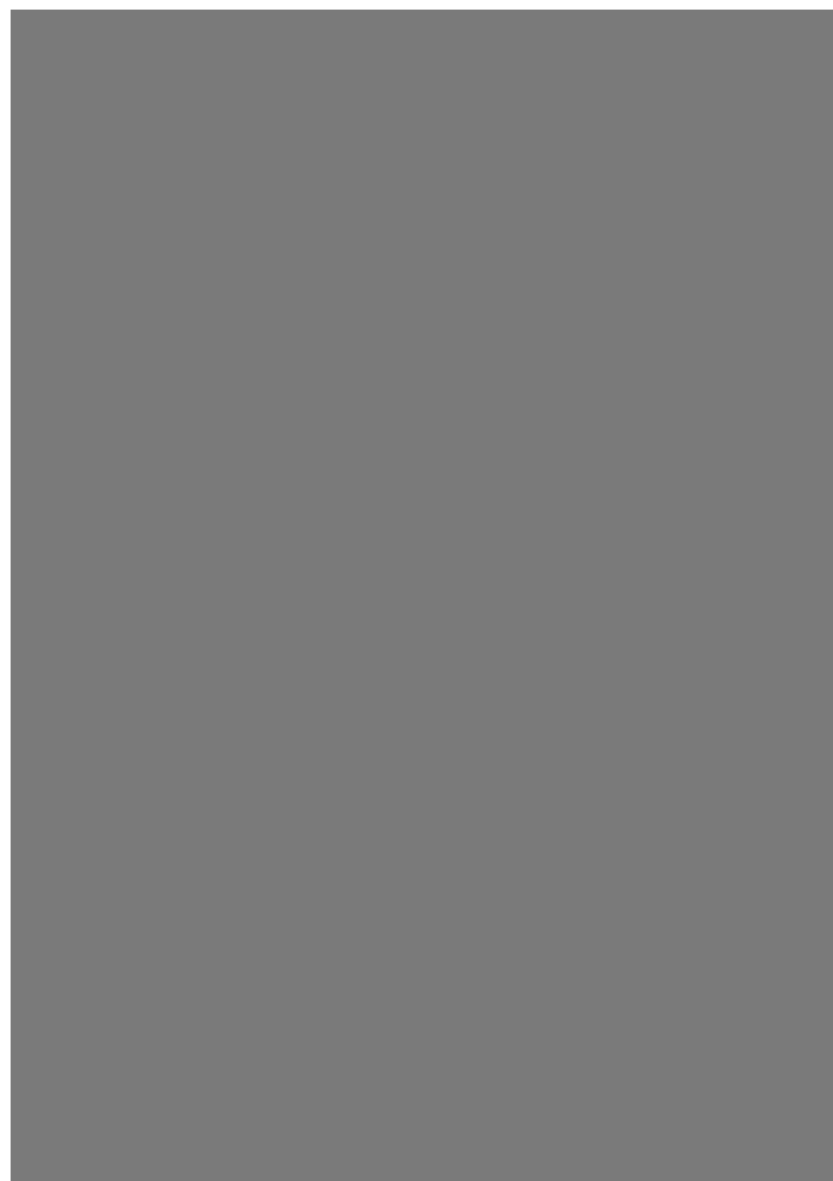
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**Marine Terminal Assembly Areas**



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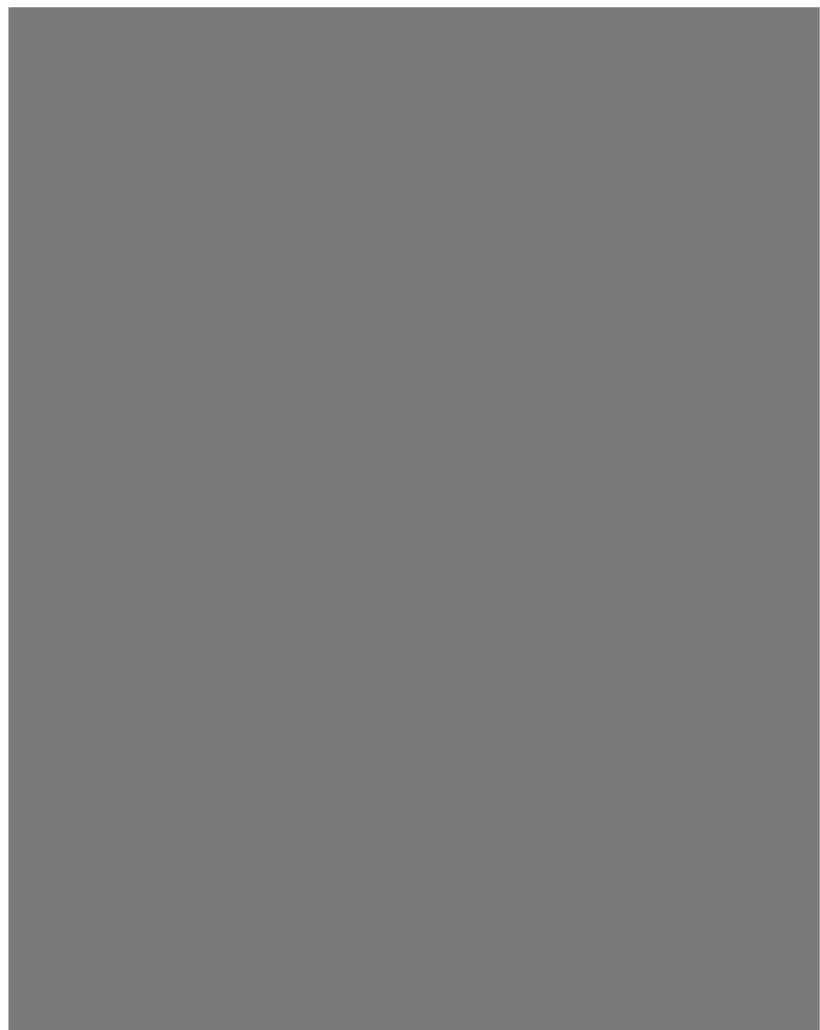
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Date: 7 June 2021

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**APPENDIX T The Reporting form to the Labour Protection Welfare**

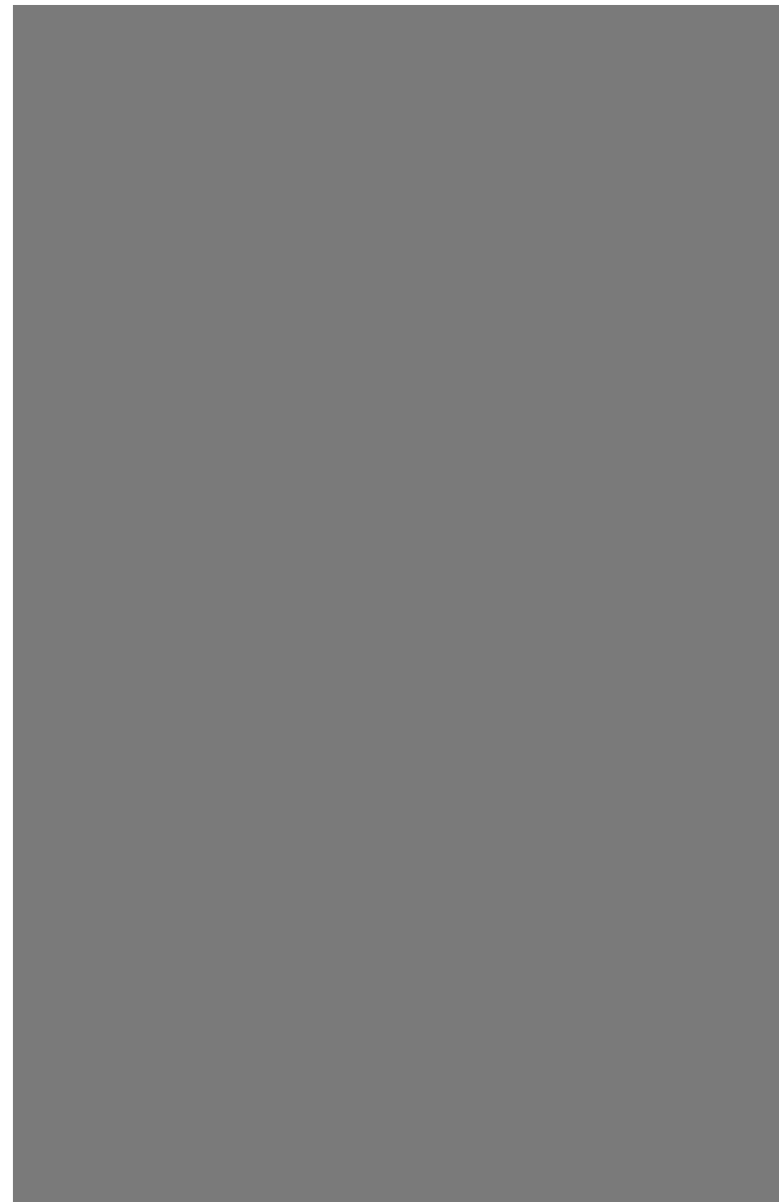




#### APPENDIX U IEAT-MTP Emergency Reporting Form



#### APPENDIX V MTP- Port Abnormal Situation and Emergency Reporting Form





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## **Oil Spill Response Drills**

**MARINE TERMINAL - OIL SPILL RESPONSE DRILL****Schedule to practice drill for each shift A, B, C, and D**

Equipment	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Oil Spill Boom	A	B	C	D	A	B	C	D	A	B	C	D
Weir Skimmer - MiniMax	A	B	C	D	A	B	C	D	A	B	C	D
Boat Dispersant Refill/Spray	A	B	C	D	A	B	C	D	A	B	C	D

**Notes:** Events can be simulated as if the boom had been launched and deployed at spill location. Skimmer can be launched with means of ropes at boom ramp or at berth as appropriate. Boat can help transport or slowly tow the skimmer to desired location. Be advised to prime Spate Pump with water for quicker suction. Boat dispersant refill is to be simulated with fresh water. \*\*\* Clean/rinse and dry off equipment before storing \*\*\*

Date/Time	14 July 23 / 09:30-10:30	WF Shift	C	SC Shift/Foreman	Mr. Viroj
-----------	--------------------------	----------	---	------------------	-----------

**SCENARIO**

Spill Location	Tug berth		
Product/Quantity/Area Size	Black oil / 1 M3 / Area 15 m <sup>2</sup>		
Wind Direction/Speed	130 deg / 8 knot	Tide	1.7 meter still
OSR Equipment	Boom 50 x 2 meter		
General Scenario	Heavy raining makes black oil from oily water tug berth overflow because pump failure		

**EVENTS**

Time	Description
11:30	Ship Officer calling to MCB for emergency stop loading fuel oil at berth no.3 due to overflow from ship's mast riser.
11:31	MCB Panel man stop loading and all valves closed.
11:36	Berth operator go to tug berth and found black oil overflow to bund and overflow to sea around 20 m <sup>2</sup> at port side of ship.
11:37	Senior operator informed to Shift Supervisor, Marine duty, Port control and inform to SP team. Senior operator acting to OSC then informed to IC and REB for announce Oil spill response Tier 1A.
11:55	IC & OSC and ERT setting team for prepare Oil spill equipments
12:10	OSC request SC and ERT team commence deployed boom by tug RS-26 & SC-23
12:20	Boom 50 x 2 m. was deployed to spill area for contain and protect sensitive area.
12:50	Recover the oil by using skimmer and apply dispersant after got approve from PCD
13:10	Assign RS-14,RS-27 to spray dispersant.
13:20	Berth operators do survey around all berth and LPG pier for find out another oil slick.
13:30	- Exercised over.
Comments/Rem	

**Comments/Remarks:**

## MARINE TERMINAL - OIL SPILL RESPONSE DRILL

Schedule to practice drill for each shift A, B, C, and D

Equipment	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Oil Spill Boom	A	B	C	D	A	B	C	D	A	B	C	D
Weir Skimmer - MiniMax	A	B	C	D	A	B	C	D	A	B	C	D
Boat Dispersant Refill/Spray	A	B	C	D	A	B	C	D	A	B	C	D

**Notes:** Events can be simulated as if the boom had been launched and deployed at spill location. Skimmer can be launched with means of ropes at boom ramp or at berth as appropriate. Boat can help transport or slowly tow the skimmer to desired location. Be advised to prime Spate Pump with water for quicker suction. Boat dispersant refill is to be simulated with fresh water. \*\*\* Clean/rinse and dry off equipment before storing \*\*\*

Date/Time	7 Aug 23 / 10:00-10:30	WF Shift	D	SC Shift/Foreman	Mr. Pisan
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### SCENARIO

Spill Location	Berth 1		
Product/Quantity/Area Size	Black Oil (FO-5) / 0.5 M3 / Area 10 m <sup>2</sup>		
Wind Direction/Speed	115 deg / 10 knot	Tide	1.0 meter still
OSR Equipment	Boom 50 x 2 meter		
General Scenario	Fuel oil spilled by over flow from ship's mast riser while loading at berth 1.		

### EVENTS

Time	Description
10:00	Ship Officer <b>Phoenix-99</b> calling to MCB for emergency stop loading fuel oil at berth no.1 due to overflow from ship's mast riser.
10:01	MCB Panel man stop loading and all valves closed.
10:05	Berth operators go to berth 1 and found Fuel oil overflow to bund and overflow to sea around 10 m <sup>2</sup> at port side of ship.
10:07	Senior operator informed to Shift Supervisor, Marine duty, Port control and inform to SP team. Senior operator acting to OSC then informed to IC and REB for announce Oil spill response Tier 1A.
10:15	IC & OSC and ERT setting team for prepare Oil spill equipments
10:17	OSC request SC and ERT team commence deployed boom by tug RS-18 & SC-23
10:22	Boom 50 x 2 m. was deployed to spill area for contain and protect sensitive area.
10:25	Let oil film disperse and apply dispersant after got approve from PCD
10:28	Assign RS-27 to spray dispersant.
10:30	Berth operators do survey around all berth and LPG pier for find out another oil slick.
10:30	Exercised over.
Comments/Rem	

### Comments/Remarks:



## MARINE TERMINAL - OIL SPILL RESPONSE DRILL

Schedule to practice drill for each shift A, B, C, and D

Equipment	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Oil Spill Boom	A	B	C	D	A	B	C	D	A	B	C	D
Weir Skimmer - MiniMax	A	B	C	D	A	B	C	D	A	B	C	D
Boat Dispersant Refill/Spray	A	B	C	D	A	B	C	D	A	B	C	D

**Notes:** Events can be simulated as if the boom had been launched and deployed at spill location. Skimmer can be launched with means of ropes at boom ramp or at berth as appropriate. Boat can help transport or slowly tow the skimmer to desired location. Be advised to prime Spate Pump with water for quicker suction. Boat dispersant refill is to be simulated with fresh water. \*\*\* Clean/rinse and dry off equipment before storing \*\*\*

Date/Time	14 Mar 23 / 09:30-10:30	WF Shift	C	SC Shift/Foreman	Mr. Viroj
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### SCENARIO

Spill Location	Tug berth		
Product/Quantity/Area Size	Black oil / 1 M3 / Area 15 m <sup>2</sup>		
Wind Direction/Speed	130 deg / 8 knot	Tide	1.7 meter still
OSR Equipment	Boom 50 x 2 meter		
General Scenario	Heavy raining makes black oil from oily water tug berth overflow because pump failure		

### EVENTS

Time	Description
11:30	Ship Officer calling to MCB for emergency stop loading fuel oil at berth no.3 due to overflow from ship's mast riser.
11:31	MCB Panel man stop loading and all valves closed.
11:36	Berth operator go to tug berth and found black oil overflow to bund and overflow to sea around 20 m <sup>2</sup> at port side of ship.
11:37	Senior operator informed to Shift Supervisor, Marine duty, Port control and inform to SP team. Senior operator acting to OSC then informed to IC and REB for announce Oil spill response Tier 1A.
11:55	IC & OSC and ERT setting team for prepare Oil spill equipments
12:10	OSC request SC and ERT team commence deployed boom by tug RS-26 & SC-23
12:20	Boom 50 x 2 m. was deployed to spill area for contain and protect sensitive area.
12:50	Recover the oil by using skimmer and apply dispersant after got approve from PCD
13:10	Assign RS-14,RS-27 to spray dispersant.
13:20	Berth operators do survey around all berth and LPG pier for find out another oil slick.
13:30	- Exercised over.
Comments/Rem	



## MARINE TERMINAL - OIL SPILL RESPONSE DRILL

Schedule to practice drill for each shift A, B, C, and D

Equipment	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Oil Spill Boom	A	B	C	D	A	B	C	D	A	B	C	D
Weir Skimmer - MiniMax	A	B	C	D	A	B	C	D	A	B	C	D
Boat Dispersant Refill/Spray	A	B	C	D	A	B	C	D	A	B	C	D

**Notes:** Events can be simulated as if the boom had been launched and deployed at spill location. Skimmer can be launched with means of ropes at boom ramp or at berth as appropriate. Boat can help transport or slowly tow the skimmer to desired location. Be advised to prime Spate Pump with water for quicker suction. Boat dispersant refill is to be simulated with fresh water. \*\*\* Clean/rinse and dry off equipment before storing \*\*\*

Date/Time	7 Aug 23 / 10:00-10:30	WF Shift	D	SC Shift/Foreman	Mr. Pisan
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### SCENARIO

Spill Location	Berth 1		
Product/Quantity/Area Size	Black Oil (FO-5) / 0.5 M3 / Area 10 m <sup>2</sup>		
Wind Direction/Speed	115 deg / 10 knot	Tide	1.0 meter still
OSR Equipment	Boom 50 x 2 meter		
General Scenario	Fuel oil spilled by over flow from ship's mast riser while loading at berth 1.		

### EVENTS

Time	Description
10:00	Ship Officer Phoenix-99 calling to MCB for emergency stop loading fuel oil at berth no.1 due to overflow from ship's mast riser.
10:01	MCB Panel man stop loading and all valves closed.
10:05	Berth operators go to berth 1 and found Fuel oil overflow to bund and overflow to sea around 10 m <sup>2</sup> at port side of ship.
10:07	Senior operator informed to Shift Supervisor, Marine duty, Port control and inform to SP team. Senior operator acting to OSC then informed to IC and REB for announce Oil spill response Tier 1A.
10:15	IC & OSC and ERT setting team for prepare Oil spill equipments
10:17	OSC request SC and ERT team commence deployed boom by tug RS-18 & SC-23
10:22	Boom 50 x 2 m. was deployed to spill area for contain and protect sensitive area.
10:25	Let oil film disperse and apply dispersant after got approve from PCD
10:28	Assign RS-27 to spray dispersant.
10:30	Berth operators do survey around all berth and LPG pier for find out another oil slick.
10:30	Exercised over.
Comments/Rem	

Comments/Remarks:



## MARINE TERMINAL - OIL SPILL RESPONSE DRILL

Schedule to practice drill for each shift A, B, C, and D

Equipment	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Oil Spill Boom	A	B	C	D	A	B	C	D	A	B	C	D
Weir Skimmer - MiniMax	A	B	C	D	A	B	C	D	A	B	C	D
Boat Dispersant Refill/Spray	A	B	C	D	A	B	C	D	A	B	C	D

**Notes:** Events can be simulated as if the boom had been launched and deployed at spill location. Skimmer can be launched with means of ropes at boom ramp or at berth as appropriate. Boat can help transport or slowly tow the skimmer to desired location. Be advised to prime Spate Pump with water for quicker suction. Boat dispersant refill is to be simulated with fresh water. \*\*\* Clean/rinse and dry off equipment before storing \*\*\*

Date/Time	09 Sep 23 / 10:30-11:30	WF Shift	A	SC Shift/Foreman	Mr. Pisan
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## SCENARIO

Spill Location	Berth 2		
Product/Quantity/Area Size	Black oil (FO-5) / 1 M3 / Area 20 m <sup>2</sup>		
Wind Direction/Speed	155 deg / 6 knot	Tide	1.7 meter still
OSR Equipment	Boom 50 x 2 meter		
General Scenario	Fuel oil spilled by overflow from ship's mast riser while loading at berth no. 2		

## EVENTS

Time	Description
10:30	Ship Officer calling to MCB for emergency stop loading fuel oil at berth no.2 due to overflow from ship's mast riser.
10:31	MCB Panel man stop loading and all valves closed.
10:35	Berth operator go to berth no.2 and found black oil spill to ship deck and overflow to sea around 20 m <sup>2</sup> at port side of ship.
10:35	Senior operator informed to Shift Supervisor, Marine duty, Port control and inform to SP team. Senior operator acting to OSC then informed to IC and REB for announce Oil spill response Tier 1A.
10:15	IC & OSC and ERT setting team for prepare Oil spill equipments
10:50	OSC request SC and ERT team commence deployed boom by tug RS-18 & SC-22
11:00	Boom 50 x 2 m. was deployed to spill area for contain and protect sensitive area.
11:10	Recover the oil by using skimmer and apply dispersant after got approve from PCD
11:10	Assign RS-14,RS-27 to spray dispersant.
11:20	Berth operators do survey around all berth and LPG pier for find out another oil slick.
11:30	- Exercised over.
Comments/Rem	

Comments/Remarks:



## MARINE TERMINAL - OIL SPILL RESPONSE DRILL

Schedule to practice drill for each shift A, B, C, and D

Equipment	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Oil Spill Boom	A	B	C	D	A	B	C	D	A	B	C	D
Weir Skimmer - MiniMax	A	B	C	D	A	B	C	D	A	B	C	D
Boat Dispersant Refill/Spray	A	B	C	D	A	B	C	D	A	B	C	D

**Notes:** Events can be simulated as if the boom had been launched and deployed at spill location. Skimmer can be launched with means of ropes at boom ramp or at berth as appropriate. Boat can help transport or slowly tow the skimmer to desired location. Be advised to prime Spate Pump with water for quicker suction. Boat dispersant refill is to be simulated with fresh water. \*\*\* Clean/rinse and dry off equipment before storing \*\*\*

Date/Time	10 Oct 23 / 10:00-11:30	WF Shift	B	SC Shift/Foreman	Mr. Pisan
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### SCENARIO

Spill Location	Berth 3		
Product/Quantity/Area Size	Black oil (FO-5) / 1 M3 / Area 20 m <sup>2</sup>		
Wind Direction/Speed	126 deg / 5.6 knot	Tide	1.2 meter still
OSR Equipment	Boom 50 x 2 meter		
General Scenario	Fuel oil spilled by overflow from ship's mast riser while loading at berth no. 3		

### EVENTS

Time	Description
10:00	Ship Officer calling to MCB for emergency stop loading fuel oil at berth no.3 due to overflow from ship's mast riser.
10:01	MCB Panel man stop loading and all valves closed.
10:03	Berth operator go to berth no.3 and found black oil spill to ship deck and overflow to sea around 30 m <sup>2</sup> at port side of ship.
10:10	Senior operator informed to Shift Supervisor, Marine duty, Port control and inform to SP team. Senior operator acting to OSC then informed to IC and REB for announce Oil spill response Tier 1A.
10:15	IC & OSC and ERT setting team for prepare Oil spill equipments
10:50	OSC request SC and ERT team commence deployed boom by tug RS-18 & SC-22
11:00	Boom 50 x 2 m. was deployed to spill area for contain and protect sensitive area.
11:10	Recover the oil by using skimmer and apply dispersant after got approve from PCD
11:10	Assign RS-14,RS-27 to spray dispersant.
11:20	Berth operators do survey around all berth and LPG pier for find out another oil slick.
11:30	- Exercised over.
Comments/Rem	

Comments/Remarks:



## MARINE TERMINAL - OIL SPILL RESPONSE DRILL

Schedule to practice drill for each shift A, B, C, and D

Equipment	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Oil Spill Boom	A	B	C	D	A	B	C	D	A	B	C	D
Weir Skimmer - MiniMax	A	B	C	D	A	B	C	D	A	B	C	D
Boat Dispersant Refill/Spray	A	B	C	D	A	B	C	D	A	B	C	D

**Notes:** Events can be simulated as if the boom had been launched and deployed at spill location. Skimmer can be launched with means of ropes at boom ramp or at berth as appropriate. Boat can help transport or slowly tow the skimmer to desired location. Be advised to prime Spate Pump with water for quicker suction. Boat dispersant refill is to be simulated with fresh water. \*\*\* Clean/rinse and dry off equipment before storing \*\*\*

Date/Time	29 Nov 23 / 10:00-11:30	WF Shift	C	SC Shift/Foreman	Mr. Pisan
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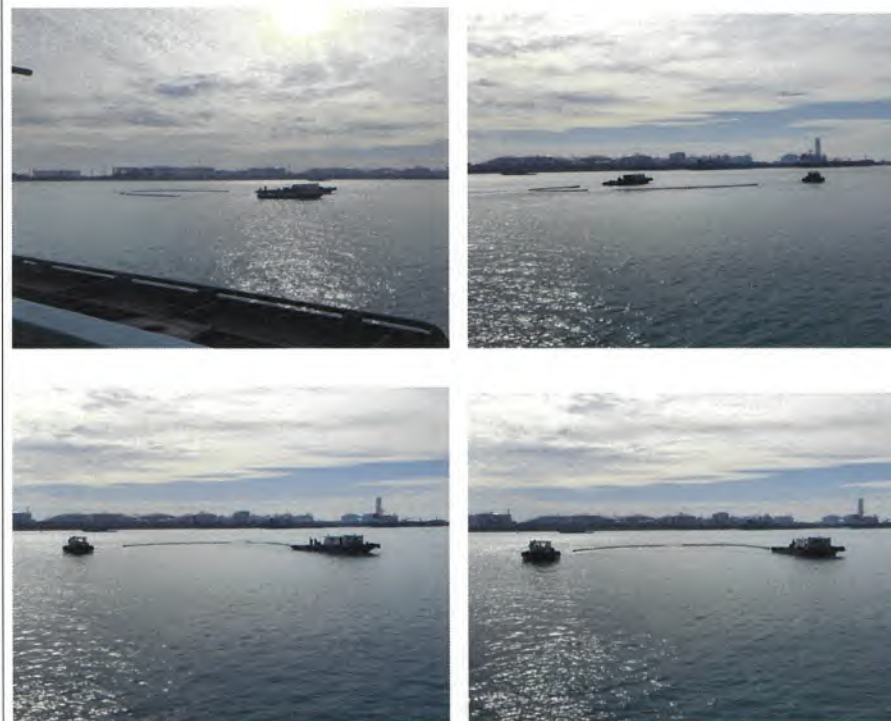
## SCENARIO

Spill Location	Berth 3		
Product/Quantity/Area Size	Crude oil / 1 M3 / Area 20 m <sup>2</sup>		
Wind Direction/Speed	126 deg / 5.6 knot	Tide	1.2 meter still
OSR Equipment	Boom 50 x 2 meter		
General Scenario	Crude oil spilled by overflow from ship's mast riser while unloading at berth no. 3		

## EVENTS

Time	Description
10:00	Ship Officer calling to MCB for emergency stop unloading crude oil at berth no.3 due to overflow from ship's mast riser.
10:01	MCB Panel man inform ship to stop unloading and all valves closed.
10:03	Berth operator go to berth no.3 and found black oil spill to ship deck and overflow to sea around 30 m <sup>2</sup> at port side of ship.
10:10	Senior operator informed to Shift Supervisor, Marine duty, Port control and inform to SP team. Senior operator acting to OSC then informed to IC and REB for announce Oil spill response Tier 1A.
10:15	IC & OSC and ERT setting team for prepare Oil spill equipments
10:50	OSC request SC and ERT team commence deployed boom by tug RS-18 & SC-22
11:00	Boom 50 x 2 m. was deployed to spill area for contain and protect sensitive area.
11:10	Recover the oil by using skimmer and apply dispersant after got approve from PCD
11:10	Assign RS-14,RS-27 to spray dispersant.
11:20	Berth operators do survey around all berth and LPG pier for find out another oil slick.
11:30	- Exercised over.
Comments/Rem	

Comments/Remarks:



**MARINE TERMINAL - OIL SPILL RESPONSE DRILL****Schedule to practice drill for each shift A, B, C, and D**

Equipment	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Oil Spill Boom	A	B	C	D	A	B	C	D	A	B	C	D
Weir Skimmer - MiniMax	A	B	C	D	A	B	C	D	A	B	C	D
Boat Dispersant Refill/Spray	A	B	C	D	A	B	C	D	A	B	C	D


**Notes:** Events can be simulated as if the boom had been launched and deployed at spill location. Skimmer can be launched with means of ropes at boom ramp or at berth as appropriate. Boat can help transport or slowly tow the skimmer to desired location. Be advised to prime Spate Pump with water for quicker suction. Boat dispersant refill is to be simulated with fresh water. \*\*\* Clean/rinse and dry off equipment before storing \*\*\*

<b>Date/Time</b>	06 Dec 2023 / 09:00-11:30 hr.	<b>WF Shift</b>	D	<b>SC Shift/Foreman</b>	Mr. Trirong P.
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**SCENARIO**

Spill Location	Berth 5		
Product/Quantity/Area Size	DSL B 10 m²		
Wind Direction/Speed	360 deg / 12 knot	Tide	2.0 meter still
OSR Equipment	Boom 25 x 3 meter		
General Scenario	DSL B spill overflow from ship's mask riser while loading at Berth No. 5 And Berth No.2		

**EVENTS**

Time	Description
09:00	Ship "Big sea-106" calling to MCB for emergency stop loading DSL B at Berth 5 due to overflow from ship's mast riser.
09:02	MCB panel man stop loading and all valve closed.
09:05	Berth operator go to berth no.5 and found DSL spill at ship's deck and overflow to the sea around 15 m <sup>2</sup> at port side.
09:10	Senior operator informed Shift Supervisor, Marine duty, Port control and SP team. And On-scene commander announce Oil Spill response tier 1.
09:15	On-scene commander setting team for prepare Oil spill equipment and request MCB panel man to cease all ship loading operation at Product pier.
09:20	On-scene commander request SC foreman commenced deploy boom by tugboat RS-14 & SC-23
09:50	Boom 25 x3 m. was deploying to spilled area at berth#5 and contain oil spill in J-shape boom.
10:20	Loading Master calling with chief officer use diaphragm pump for minimize contain oil spill on ship deck and LEL checking all time.
11:00	Loading Master contract with SC foreman calling tugboat RS 24 swaying around film oil of DSL
11:15	Berth operator do survey around all berth and LPG pier for find out another oil slick.
11:30	Exercised over and clean Boom with fresh water.
	

Report to: PD S/S, PD/1B, PD/75, PD/72

Rev.0.1 22/12/2010

**Comments/Remarks:**

Report to: PD S/S, PD/1B, PD/75, PD/72

Rev.0.1 22/12/2010



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**FIRE & OIL SPILL DRILLS REPORT**

**Ship's name** : M.V RS38

**Working Place** : MIT terminal

**Scope of Work** : OSRE tested and drill for oil pollution prevention

We trust that emergency response training and tested the OSRE for oil pollution prevention. All device were in good condition and our crew are familiar for oil spill drill.

There was oil spill drill report below

**July 25, 2023**

**0830-0930 Hrs.** Emergency response exercises on station "Oil Spill Drills" while "Afeado & Spray Arm" tested. The device were in good condition and our crew are familiar for emergency response.



**Oil spill drill at the SPM terminal**

The OSRE were in good condition. Certify the above report are corrected and true.

  
(Chinnawut Kanchanasin)  
Marine Superintendent  
**26-Jul-23**



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**FIRE & OIL SPILL DRILLS REPORT**

**Ship's name** : M.V RS38

**Working Place** : MIT terminal

**Scope of Work** : OSRE tested and drill for oil pollution prevention

We trust that emergency response training and tested the OSRE for oil pollution prevention. All device were in good condition and our crew are familiar for oil spill drill.

There was oil spill drill report below

**August 16, 2023**

**1100-1200 Hrs.** Emergency response exercises for Oil Spill Drills while the OSRE was tested "AFEDO & Roller Boom" The device were in good condition and our crew are familiar for emergency response for oil spills.



**Oil spill drill at the SPM terminal**



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**FIRE & OIL SPILL DRILLS REPORT**

Ship's name : M.V RS38

Working Place : MIT terminal

Scope of Work : OSRE tested and drill for oil pollution prevention

We trust that emergency response training and tested the OSRE for oil pollution prevention. All device were in good condition and our crew are familiar for oil spill drill.

There was oil spill drill report below

**September 23, 2023**

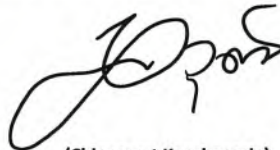
1000-1100 Hrs. Emergency response exercises for Oil Spill Drills while the OSRE was tested "AFEDO & Roller Boom" The device were in good condition and our crew are familiar for emergency response for oil spills.






Oil spill drill at the SPM terminal

The OSRE were in good condition. Certify the above report are corrected and true.

  
(Chinnawut Kanchanasin)  
Marine Superintendent

  
(Chinnawut Kanchanasin)  
Marine Superintendent

Plan Maintenance System		
Monthly: Oil Spill Response Equipment test and maintained		
Description	OSRE	Picture's maintenance
Inspection and tested. the device condition is satisfactory.	Power pack	
Released the oil boom and tested all function, the device condition is satisfactory	Roller Boom	
Monthly Inspection and tested. the device condition is satisfactory.	Alfredo sprayer	

The OSRE were in good condition. Certify the above report are corrected and true.



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**SC MANAGEMENT CO.,LTD.**

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**FIRE & OIL SPILL DRILLS REPORT**

**Ship's name** : M.V RS38

**Working Place** : MIT terminal

**Scope of Work** : OSRE tested and drill for oil pollution prevention

We trust that emergency response training and tested the OSRE for oil pollution prevention. All device were in good condition and our crew are familiar for oil spill drill.

There was oil spill drill report below

**October 15, 2023**

**1000-1100 Hrs.** Emergency response exercises for Oil Spill Drills while the OSRE was tested "Roller Boom" The device were in good condition and our crew are familiar for emergency response for oil spills.



**Oil spill drill at the SPM terminal**

The OSRE were in good condition. Certify the above report are corrected and true.

(Chinnawut Kanchanasin)

Marine Superintendent



**บริษัท เอส ซี แมเนจเม้นท์ จำกัด**  
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**FIRE & OIL SPILL DRILLS REPORT**

**Ship's name** : M.V RS38

**Working Place** : PTTGC-W

**Scope of Work** : Rayong Oil Spill Exercises 2023

We trust that emergency response training and tested the OSRE for oil pollution prevention. All device were in good condition and our crew are familiar for oil spill drill.

There was oil spill drill report below

**November 8, 2023**

**0700 Hrs:** Be informed from MCB, by marine radio VHF Ch77. "Standby's boat unberth and proceed to PTTGC-W terminal"

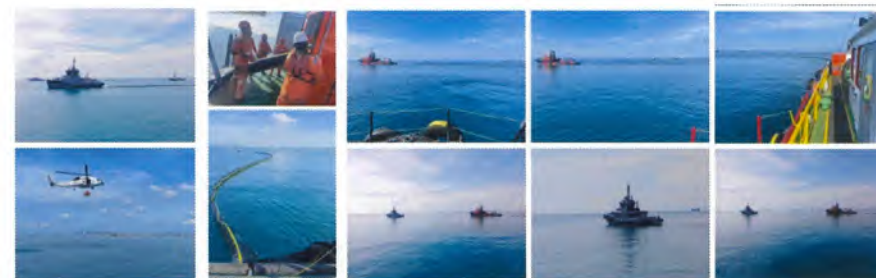
**0700-0730 Hrs:** Sailed to PTTGC-W terminal.

**0730-0830 Hrs:** Arrived at PTTGC-W.

**0830-1200 Hrs:** The oil spill emergency response exercises were started. Ship's oil-boom were released and continued to towed the "Oil Boom"

**1200-1230 Hrs:** The oil-boom were disconnected with U-Rayong.

**1230-1312 Hrs:** The oil spill emergency response exercises were stopped. Kept up the oil boom into the roller.



**Oil spill drill at the SPM terminal**

The OSRE were in good condition. Certify the above report are corrected and true.

(Chinnawut Kanchanasin)

Marine Superintendent



บริษัท เอส ซี แมนเนจเม้นท์ จำกัด  
SC MANAGEMENT CO.,LTD.

สำนักงานใหญ่ : 88 ถนนคลองพระอุดม ถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพฯ 10260 โทร. 0-2341-9000, 0-2341-9900 โทรสาร. 0-2341-9984  
Head Office : 88 The Parkland Rd., Bangna Nuea, Bangna, Bangkok 10260, Thailand. Tel. (662) 341-9000, (662) 341-9900 Fax. (662) 341-9984

www.scgroupthai.com

OIL SPILL DRILLS REPORT

Ship's name : M.V RS38

Working Place : SPM terminal

Scope of Work : OSRE tested and drills for oil pollution prevention .

We trust that emergency response training and tested the OSRE for oil pollution prevention. All device were in good condition and our crew are familiar for oil spill drills.

There was oil spill drill report below

December 23, 2023

0830-0930 Hrs. Emergency response exercises for Oil Spill Drills while the OSRE was tested .

OIL SPILL DRILLS AND FIFI TEST **DECEMBER 23<sup>rd</sup>,2023**



I hereby certify that the above activity reports true and corrected.

( Suwit Kraidej )

Marine Superintendent

## การฝึกซ้อมการโต้ตอบสถานการณ์ฉุกเฉิน

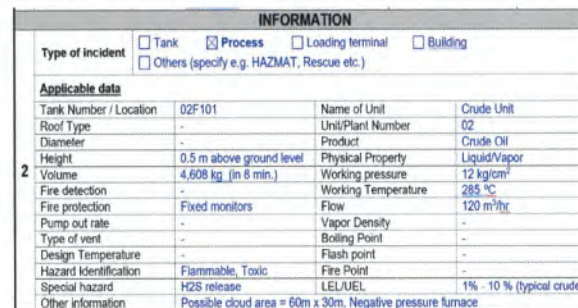
## การประชุม EMAG



## Emergency Exercise 2023

### Level 1B

#### Friday Table-Top Exercise



## Emergency Exercise Level 3 at WCN May 2023



5

## Emergency Exercise Level 3 at WCN May 2023



6

## Building Evacuation Exercise in 2023



7

## Emergency Mutual Aid Agency

- PTT Global Chemical branch-6
- Emergency Mutual Aid Group (**EMAG**)
- Shareholder (**Chevron**)
- Oil Industry Environmental Safety Group Association (**IESG**)



**SPRC**

Project : SPRC  
**MONTHLY REPORT**  
Monthly Inspection  
of  
Fire Fighting Equipment  
**DECEMBER 2023**



ภาคผนวก ข.23

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การตรวจสอบภาพพนักงาน ประจำปี พ.ศ.2566

ที่ HPC 433/2566

ศูนย์ส่งเสริมสุขภาพและอาชีวเวชศาสตร์

1 ธันวาคม 2566

เรียน ผู้จัดการฝ่ายทรัพยากรบุคคล

บริษัท สดาร์ บีโตร์เลียม รีไฟน์นิ่ง จำกัด (มหาชน)

หนังสือฉบับนี้จัดทำขึ้นเพื่อรับรองว่า บริษัท สดาร์ บีโตร์เลียม รีไฟน์นิ่ง จำกัด (มหาชน) ได้ทำการตรวจสอบสุขภาพพนักงานประจำปี 2566 ในวันที่ 24 สิงหาคม 2566 ถึง วันที่ 15 พฤศจิกายน 2566 ซึ่งมีรายชื่อพนักงานเข้ารับการตรวจสอบสุขภาพ จำนวน 327 คน กระทำการตรวจสอบสุขภาพโดยศูนย์ส่งเสริมสุขภาพและอาชีวเวชศาสตร์ โรงพยาบาลกรุงเทพระยอง ตามใบอนุญาตให้ดำเนินการสถานพยาบาลเลขที่ ค.10201002057 และใบอนุญาตให้ประกอบกิจการใบอนุญาตเลขที่ 10201002657 ดำเนินการโดย บริษัท โรงพยาบาลกรุงเทพระยอง จำกัด ได้ทำการสรุปผลและรวบรวมผลการตรวจสอบสุขภาพประจำปีไว้เป็นที่เรียบร้อยแล้ว และขอรับรองผลการตรวจสอบสุขภาพว่าเป็นไปตามข้อกำหนดกฎกระทรวงในเรื่องมาตรฐานในการบริการ และการจัดการด้านความปลอดภัยอาชีวอนามัย และสิ่งแวดล้อม และมาตรฐานด้านวิชาการทุกประการ

จึงเรียนมาเพื่อทราบ และขอขอบคุณมา ณ โอกาสนี้

ขอแสดงความนับถือ



(นายแพทย์สิทธิธิ์ สอนันตะ)

แพทย์อาชีวเวชศาสตร์ โรงพยาบาลกรุงเทพระยอง

นส. กุญ

(คุณพัชรินทร์ อุดสาปประดิษฐ์)

ผู้ช่วยผู้จัดการฝ่าย PCG 3

หากมีข้อสงสัยหรือต้องการรายละเอียดเพิ่มเติม

ศูนย์ส่งเสริมสุขภาพและอาชีวเวชศาสตร์ โทร. (038) 921999 ต่อ 1821

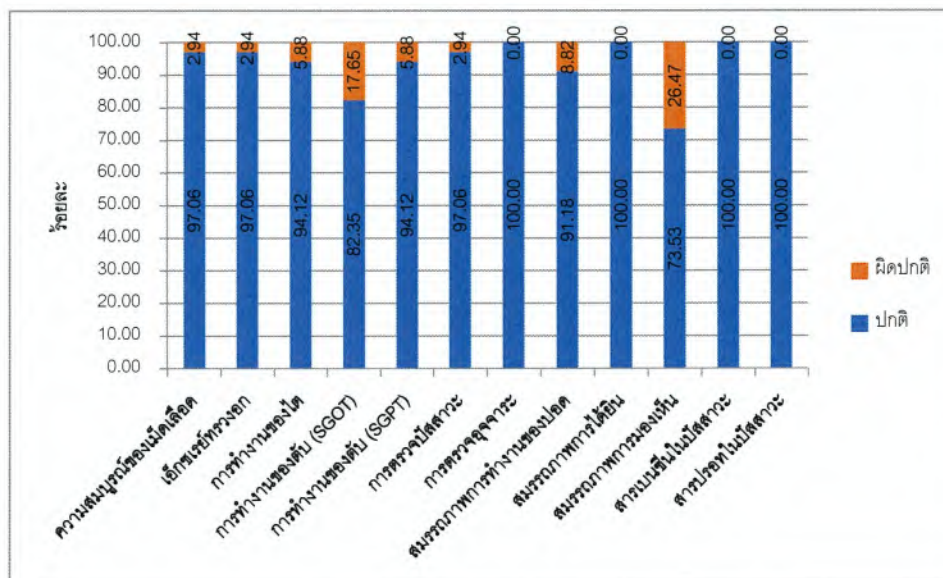
FAX : (038) 921999 ต่อ 1823

สถิติผลการตรวจสุขภาพพนักงาน ประจำปี พ.ศ. 2566

โครงการทำเทียบเรือ บริษัท สตาร์ ปิโตรเลียม รีไฟน์นิ่ง จำกัด (มหาชน)

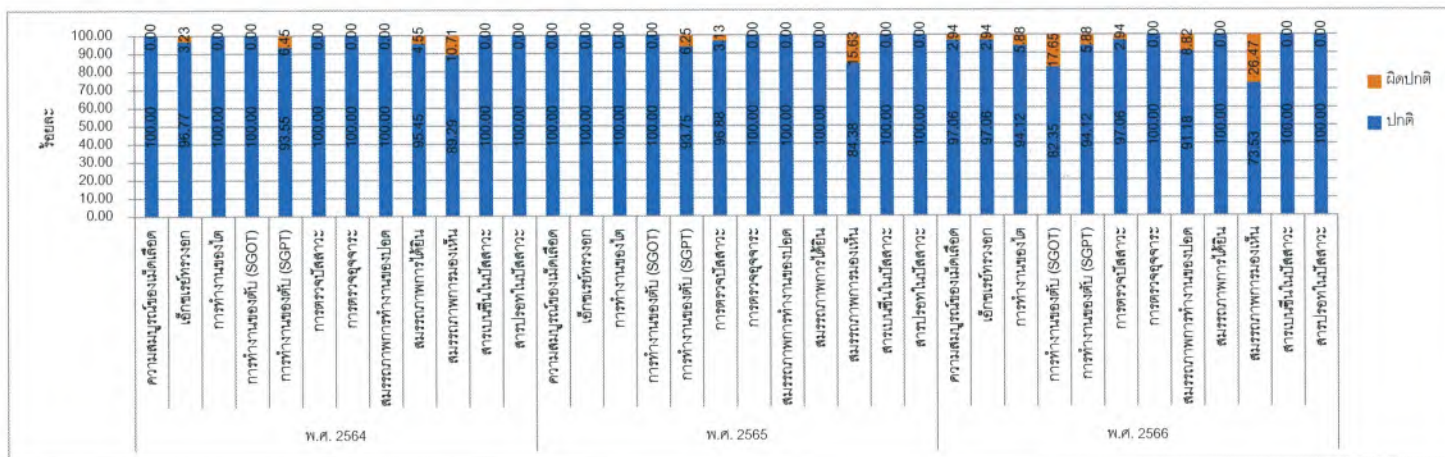
โดยโรงพยาบาลกรุงเทพระยอง

รายการตรวจ	พ.ศ. 2566				
	ผู้เข้ารับ การตรวจ	ปกติ	ผิดปกติ	ปกติ	ผิดปกติ
	(คน)	(คน)	(คน)	(ร้อยละ)	(ร้อยละ)
ความสมบูรณ์ของเม็ดเลือด	34	33	1	97.06	2.94
เอ็กซเรย์ทรวงอก	34	33	1	97.06	2.94
การทำงานของไต	34	32	2	94.12	5.88
การทำงานของตับ (SGOT)	34	28	6	82.35	17.65
การทำงานของตับ (SGPT)	34	32	2	94.12	5.88
การตรวจปัสสาวะ	34	33	1	97.06	2.94
การตรวจอุจจาระ	28	28	0	100.00	0.00
สมรรถภาพการทำงานของปอด	34	31	3	91.18	8.82
สมรรถภาพการได้ยิน	34	34	0	100.00	0.00
สมรรถภาพการมองเห็น	34	25	9	73.53	26.47
สารเบนซินในปัสสาวะ	34	34	0	100.00	0.00
สารปรอทในปัสสาวะ	34	34	0	100.00	0.00



**สถิติผลการตรวจสอบสภาพพนักงาน ระหว่างปี พ.ศ. 2564-2566**  
**โครงการทำเทียบเรือ บริษัท สตรา ปิโตรเลียม รีไฟน์นิ่ง จำกัด (มหาชน)**

รายการตรวจ	พ.ศ. 2564					พ.ศ. 2565					พ.ศ. 2566				
	ผู้เข้ารับ การตรวจ	ปกติ	ผิดปกติ	ปกติ	ผิดปกติ	ผู้เข้ารับ การตรวจ	ปกติ	ผิดปกติ	ปกติ	ผิดปกติ	ผู้เข้ารับ การตรวจ	ปกติ	ผิดปกติ	ปกติ	ผิดปกติ
	(คน)	(คน)	(คน)	(ร้อยละ)	(ร้อยละ)	(คน)	(คน)	(คน)	(ร้อยละ)	(ร้อยละ)	(คน)	(คน)	(คน)	(ร้อยละ)	(ร้อยละ)
ความสมบูรณ์ของเม็ดเลือด	31	31	0	100.00	0.00	32	32	0	100.00	0.00	34	33	1	97.06	2.94
เอ็กซเรย์ทรวงอก	31	30	1	96.77	3.23	32	32	0	100.00	0.00	34	33	1	97.06	2.94
การทำงานของไต	31	31	0	100.00	0.00	32	32	0	100.00	0.00	34	32	2	94.12	5.88
การทำงานของตับ (SGOT)	31	31	0	100.00	0.00	32	32	0	100.00	0.00	34	28	6	82.35	17.65
การทำงานของตับ (SGPT)	31	29	2	93.55	6.45	32	30	2	93.75	6.25	34	32	2	94.12	5.88
การตรวจปัสสาวะ	31	31	0	100.00	0.00	32	31	1	96.88	3.13	34	33	1	97.06	2.94
การตรวจอุจจาระ	20	20	0	100.00	0.00	24	24	0	100.00	0.00	28	28	0	100.00	0.00
สมรรถภาพการทำงานของปอด	28	28	0	100.00	0.00	32	32	0	100.00	0.00	34	31	3	91.18	8.82
สมรรถภาพการได้ยิน	22	21	1	95.45	4.55	31	31	0	100.00	0.00	34	34	0	100.00	0.00
สมรรถภาพการมองเห็น	28	25	3	89.29	10.71	32	27	5	84.38	15.63	34	25	9	73.53	26.47
สารเบนซินในปัสสาวะ	28	28	0	100.00	0.00	31	31	0	100.00	0.00	34	34	0	100.00	0.00
สารปรอทในปัสสาวะ	28	28	0	100.00	0.00	31	31	0	100.00	0.00	34	34	0	100.00	0.00



ภาคผนวก ข.24

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กิจกรรมส่งเสริมสุขภาพและความปลอดภัย

## IIF Improving Team (IIFIT) Update Progress



**SPRC CareLifeDriveSAFE 2023**  
ขอเชิญครอบครัว SPRC แวะร้านอาหารหรือคลับวิดีโอ

**“สงกรานต์นี้ ขับขี่ปลอดภัย”**  
ร่วมสนุกผ่าน 2 ช่องทางดังนี้ **11 วัน ต้องไม่อันตราย (7-17 เมษายน 2566)**

**ช่องทางที่ 1**  
สำหรับสายโซเชียล  
โพสต์รูปในร้านอาหารหรือคลับวิดีโอ  
ตามสื่อโซเชียลของคุณ  
เขียน Caption อะไรก็ได้ที่เกี่ยวกับที่ปลอดภัย  
คือค่าเป็นสาธารณะ  
ต้นฉบับจาก #SPRCDriveSafe2023

**ช่องทางที่ 2**  
สำหรับผู้ไม่โซเชียล  
ส่งรูปในร้านอาหารหรือคลับวิดีโอ  
ผ่าน QR Code นี้

★ ร่วมสนุกได้ตั้งแต่วันที่ 7-17 เมษายน 2566  
By IIF Improving Team (IIFIT)

#### Conduct the IIF survey for existing instructors

### IIF Instructor Satisfaction Survey



Dear IIF Instructor,

In order to continuously improve our IIF training programs and ensure satisfaction among our IIF Instructors, we would appreciate your participation in a satisfaction survey **within 9 June 2023**.

The survey is designed to gather feedback on various aspects of the IIF instructional process. Your insights and suggestions are valuable to us which will help identify areas for improvement and make necessary adjustments to enhance the IIF learning experience.

[Click to Start Survey](#)

Thank you  
IIF Improving Team (IIFIT)

#### Set up health promotion activities (SPRC get fit challenge)



SPRC

ขอเชิญเพื่อนสมาชิกครอบครัว SPRC  
ร่วมกิจกรรม

## “IIF ADVENTURE PROJECT”

ด้วยการรวมกลุ่มกันคิดและเสนอโครงการ/กิจกรรม เพื่อส่งเสริม กระตุ้น พัฒนาหรือปรับปรุง  
ด้านความปลอดภัย(safety) สุขภาพอนามัย(health) สิ่งแวดล้อม(environment) ความเชื่อถือได้(reliability)  
ประสิทธิภาพ(efficiency) การรักษาความปลอดภัย(security) ผู้มีส่วนได้เสีย(stakeholder)

เรามาร่วมกันทำให้ SPRC เป็นบ้านที่น่าอยู่ ปลอดภัย  
และมีวัฒนธรรม IIF ที่เข้มแข็งตลอดไป

#### IIF Adventure Project



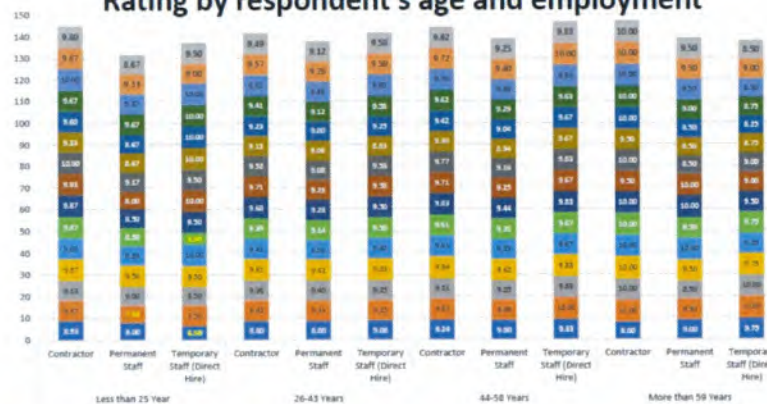
## IIF Supervisor Skill Training for SPRC Sup.

# We need your feedback to help improve our IIF culture

Click to start a survey

แบบสำรวจวัฒนธรรมการทำงานโดยปราศจากอุบัติเหตุและการบาดเจ็บ (IIF)  
Incident and Injury Free (IIF) Culture Survey

## Rating by respondent's age and employment



Rating of **contractors** consistently exceeds than the permanent staff and direct hires across all age groups. Contractor at age more than 59 years group is **highest rating** across all age groups. Permanent staff at age less than 25 years group is **lowest rating** across all age groups. Rating of **direct hire staff at age less than 25 years group** for question "How well do you understand the principles of the Incident and Injury Free (IIF) culture" and "You will report case when you see near miss" are significantly lower than other age group.

### Average of You feel safe when working in SPRC

- Average of The Incident and Injury Free (IIF) culture helps you and your colleagues return home safely every day
- Average of SPRC is committed to sustain the IIF culture
- Average of Your supervisor encourages and supports you to exercise Stop Work Authority
- Average of Your supervisor be the role model on safe behaviors
- Average of Your supervisor recognizes you when working safely
- Average of Your supervisor regularly talks about safety
- Average of You are willing to participate the IIF activities of SPRC
- Average of You will report to your supervisor when you see unsafe conditions, or you have safety concerns
- Average of You will report case when you see near miss
- Average of You always speak up to remind the others when you see them unsafe
- Average of You always stop doing work when you feel it not safe to do
- Average of How much do you agree with the principles "Relationships is the foundation of accomplishment?"
- Average of How much do you agree with the principles of the incident and Injury Free (IIF) culture?
- Average of How well do you understand the principles of the Incident and Injury Free (IIF) culture?

## Off the Job Lesson Learned Sharing

### OFF THE JOB Lesson Learned Sharing

**What's happen?**

**Broken Arm falling onto rocks**

On Saturday April 15<sup>th</sup> 2023, one of SPRC newly member joined with his 2 sons "bumping" at the Blue Mountains west of Sydney Australia during vacation. Camping is a medium to extreme activity of climbing/bouldering soon with a clear route, involving a steep climb down out of the gorge. The last time he went camping was 15 years. In the experience this time was technically challenging and a rock covered in green moss and fell about 2m, landing with his weight onto the left wrist, immediately snapping and fracturing both bones in his arm near the wrist. He was probably lucky as the fall would have resulted in far worse injuries.

**Immediate action taken**

- The team had a full first aid kit, so he took band-aids and wrapped the broken arm in a makeshift sling.
- With it being winter so very cold at night, the team (subject member) decided to help with him on their own transfer to the local hospital.
- The local hospital "re-designed" the main bone the above further damage before he was transferred to a major Sydney hospital for surgery.

**Key Lessons Learned**

- Always consider your **PRF** off the job (in this case proper wet-weather camping shoes, gloves and a helmet.)
- For outdoor activities, always check the weather beforehand, and during the activity in case conditions have changed. A huge storm the night before caused large trees to fall and the chance making the site very much harder to walk through. Heavy rain the month prior caused the rocks in the canyon to be very green and slippery.
- STOP and rest if you don't think you have either ability or should to complete the task at the least a pace.
- Wear extreme sports, ensure you have access to a suitable first aid kit, and if not experienced, do the activity with a partner.

### OFF THE JOB Lesson Learned Sharing

**What's happen?**

**Motorcycle incidents**

There were 3 cases of off the job injuries from motorcycle accidents occurred with our contractors in the last 3 months including motorcycle fell over, a dog ran out in front of the motorcycle, resulted into the sidewalk. Some accidents resulting in deep lacerations, some were life threatening and some brain injuries.

To prevent and reduce motorcycle accidents, recommended to follow the safety tips as follows.

**Key Lessons Learned**

- Always wear safety helmet with chinstrap buckled the right and the yellow color while riding whether going near or far.
- Don't ride and ensure get enough rest prior riding. Do not ride if you are not fit for riding.
- Do not use mobile phone while riding.
- Follow traffic rules. Riding below speed limit. Do not attempt motorcycle into narrow lanes or space between cars without the safety awareness.
- Do not suddenly overtake or change lanes. Using signal in advance every time prior change lanes or turn. Ensure safety prior change lanes or direction.
- Avoid riding near the trucks or enter into the blind spot area at all times.
- Check the readiness of the motorcycle before traveling. Vehicle systems should always be in a ready-to-go condition.

### OFF THE JOB Lesson Learned Sharing

**What's happen?**

**Falling from tree**

On 29<sup>th</sup> September 2023, one of our contractor experienced an off the job injury while cutting branches from a tree in front of his home. Unfortunately, he fell approximately 2 meters due to slippery conditions, leading to him losing consciousness. His wife and neighbor administered first aid until he required consciousness, and then they took him to the hospital for further treatment. The fall resulted in broken ribs and facial wounds, which required to take a break from work for seven days.

**Key Lessons Learned**

- Always check the condition of working area before starting work to ensure safe conditions.
- Always use appropriate tools and devices for safe working such as using a chainsaw with extension to secure ladder while using ladder and use proper PPE such as full safety glasses and so on.
- Always use appropriate tools and devices for safe working such as using a chainsaw with extension to secure ladder while using ladder and use proper PPE such as full safety glasses and so on.

## Big 6 Stars Achievement Celebration

**Start Safe Stay Safe**

### Feedback from Celebration event

- พนักงานไม่ทราบว่ามีการบริการที่หน้า Admin (มีประกาศแล้ว แต่พนักงานบางคนไปก่อน 11.20น.)
- เตรียม projector สำหรับ Lucky draw
- ให้ CEO, LT กด รายชื่อทีเดียว
- การแจกกระบอกน้ำกับลงทะเบียนค่อนข้างวุ่นวาย ควรแยกแจกหรือแจกแค่ตัวแทน
- เพิ่มข้าวในโต๊ะจีน

### Concept

- Souvenir
- Location
  - Admin, REB, Gate17, MCB, TTLT
- Date & Time
  - Tue 9<sup>th</sup> January 2024
  - 06.30 – 08.00
- Budget
  - 50.-/EA, 1,000 EA

- ม่านบังแดด
- กล้องข่าว
- ชุดตัดเล็บ+สายวัด
- พัดลมพกพา
- ที่หุบกระเจก
- ผ้าเช็ดรถ
- ถุงผ้าใส่กระบอกน้ำ
- สายข้อมือ ของขลัง
- Wristband
- ของกินที่ไม่เน่า
  - ข้าวสาร
  - Snack box
  - ชุปไก่+Veta

# Thank you

ภาคผนวก ข.25

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ขั้นตอนการปฏิบัติในการล้างท่อรับน้ำมันและ SPM  
ก่อนการซ่อมบำรุงระบบท่อ



**PTT Global Chemical Public Company Limited  
Movement and Dispatching**

**P-(R-MO-MR)-003  
Hose Flushing Procedure  
Using SPM Maintenance Boat**

**Prepared by:** Winyou Chandom  
SPM Superintendent

**Approved by:** Suthep Grinchan  
VP- Movement and Dispatching

**Distribution List**

Copy No.	Controller/Holder	Location
01	Quality Management (Q-QM-QU)	Intranet



PTT Global Chemical Public Company Limited

P-(R-MO-MR)-003: Hose Flushing  
Procedure Using SPM Maintenance Boat



PTT Global Chemical Public Company Limited

P-(R-MO-MR)-003: Hose Flushing  
Procedure Using SPM Maintenance Boat







### 3.2 For flushing seawater without diving operations.

3.2.1 SPM Maintenance Boat anchor and moor to SPM. Deck port string and deck starboard string. End of port & starboard string on deck, set up for flushing flange.






ภาคผนวก ข.26

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การตรวจสอบอุปกรณ์การสูบน้ำมันก่อนเรือขนส่งน้ำมันเข้าเทียบท่า


Movement/Dispatches		
 <b>Plant 66 Pre Berth Checklist</b>		
Prepared by:	Sawai Paena	Number: HC-FO-PD-6022
Approved by:	Opas Waiyasatja	Revision: 4.1
Low	Medium	High

### Pre-Berth Checklist

Vessel Name	Botta Sierra
Date	26-12-23
Berth	4





Movement/Dispatches		
 <b>Plant 66 Pre Berth Checklist</b>		
Prepared by:	Sawai Paena	Number: HC-FO-PD-6022
Approved by:	Opas Waiyasatja	Revision: 4.1
Low	Medium	High

### Pre-Berth Checklist


Vessel Name	B/g 509.14
Date	29/12/23
Berth	5





ภาคผนวก ข.27

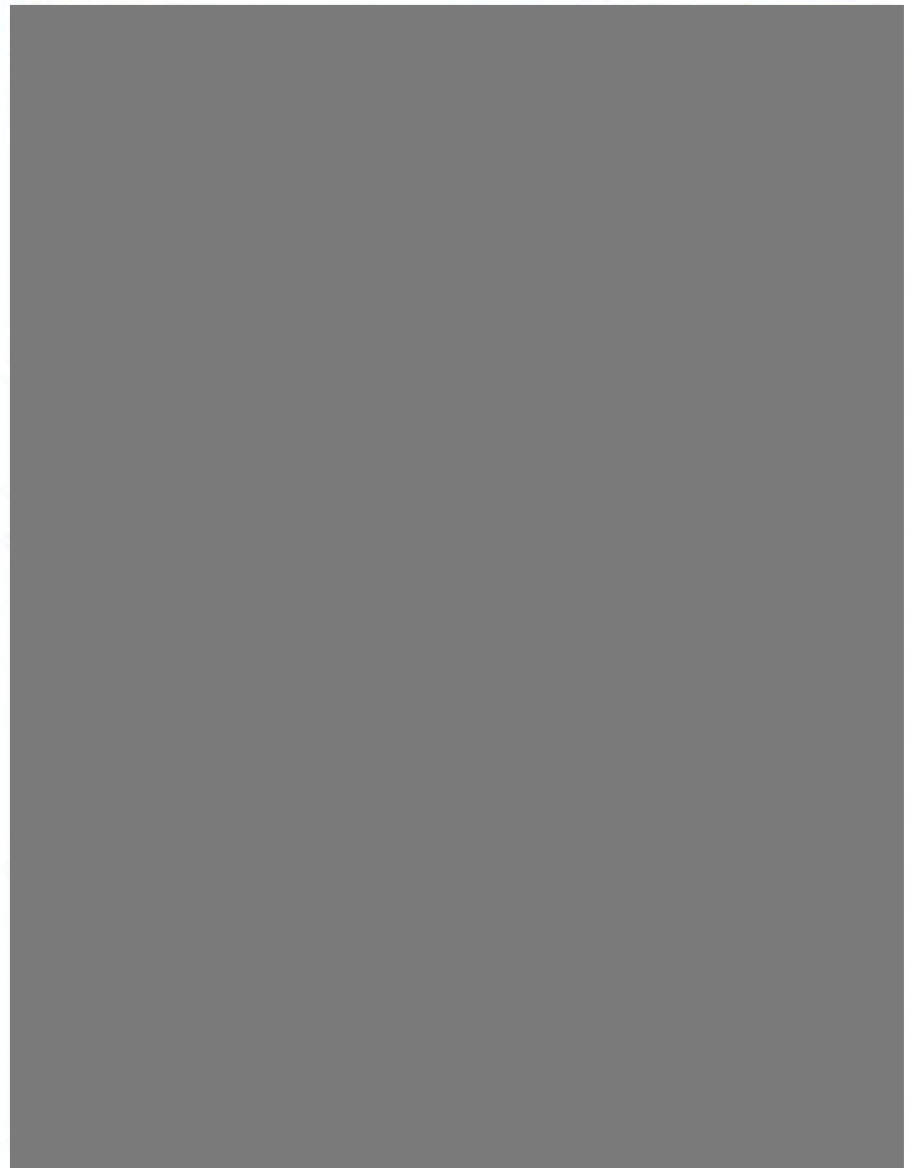
คู่มือการขนถ่ายน้ำมันดิบ

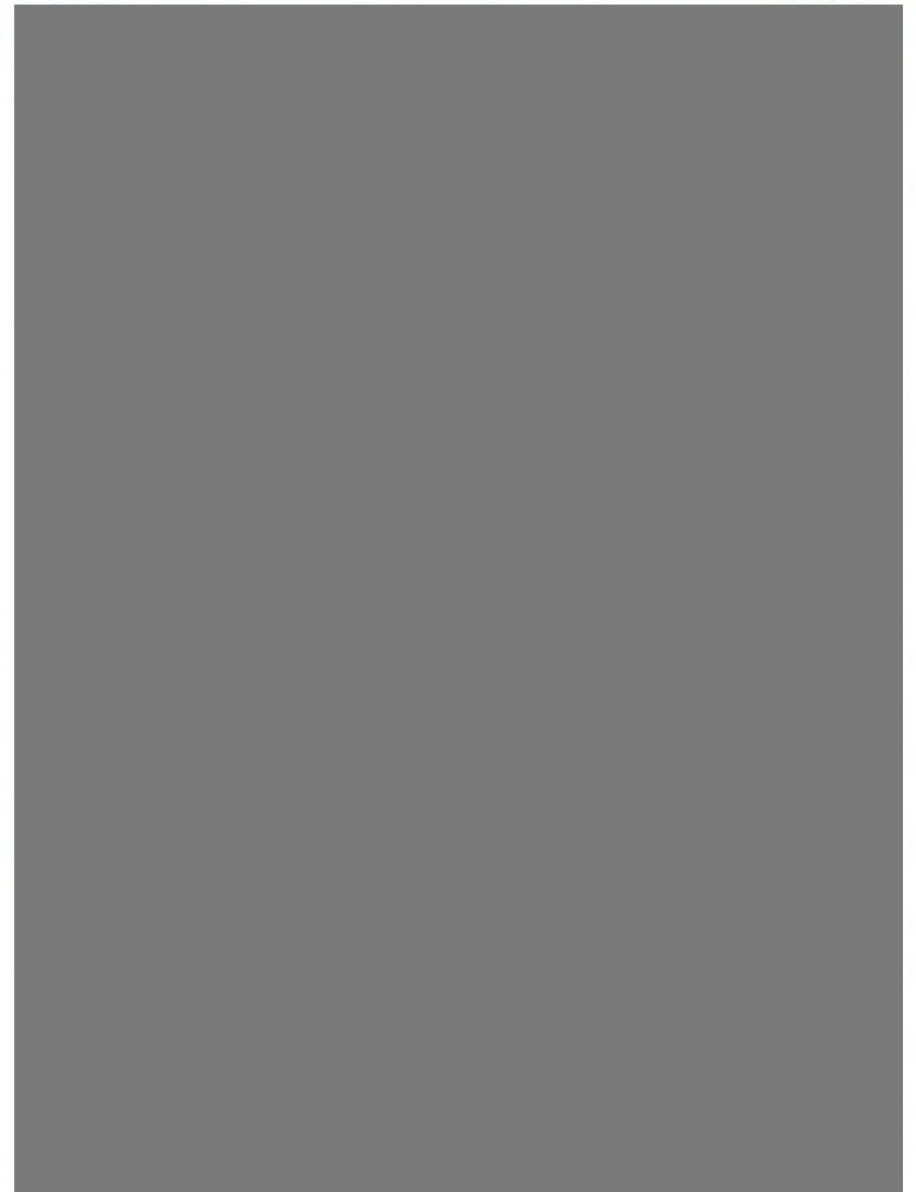
Movement/Dispatches			
 <b>Plant 60 Crude Oil Import via SPM</b>			
Prepared by:	Sarayut Jantima	Number:	HC-WI-PD-5391
Approved by:	Nub Tunyasith	Revision:	5.1
Low		Medium	

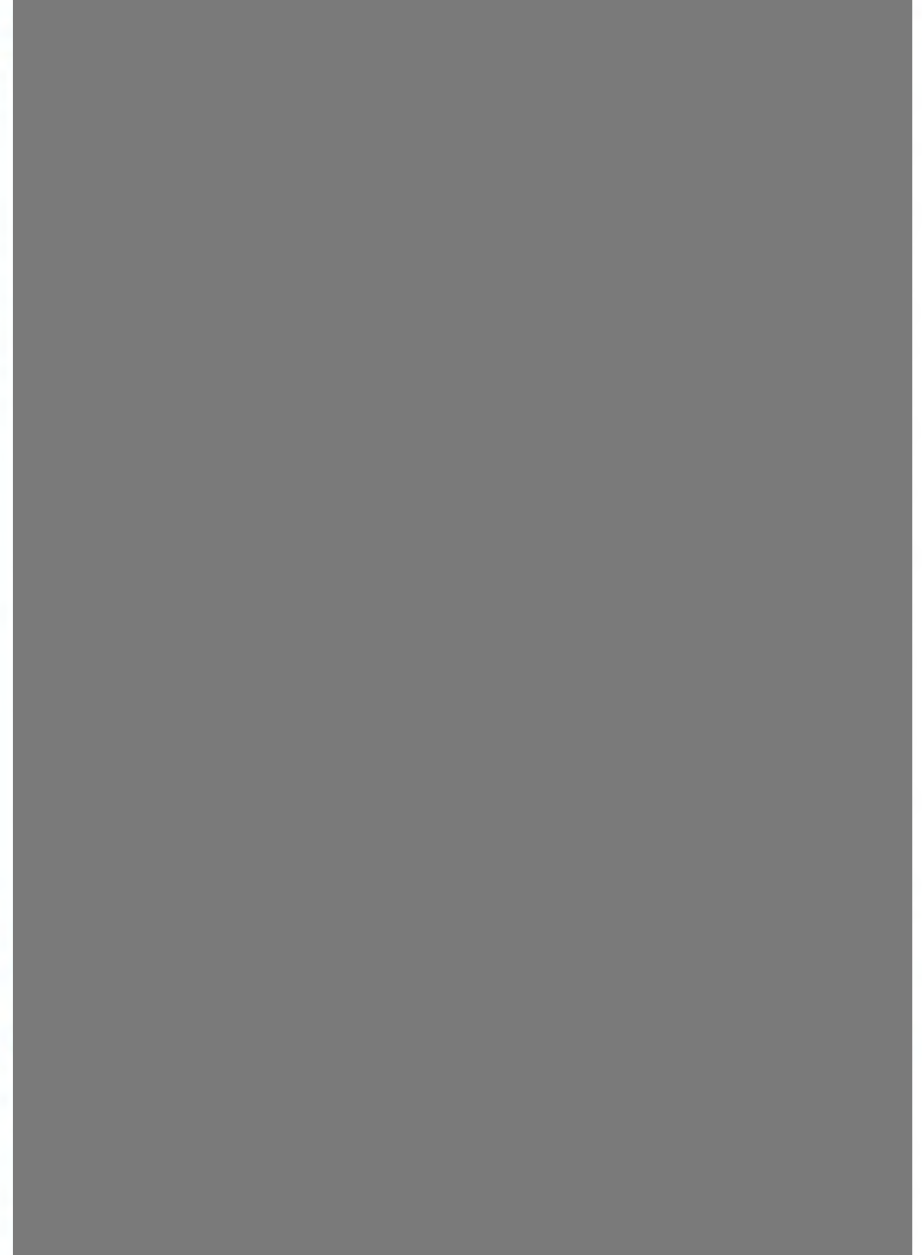


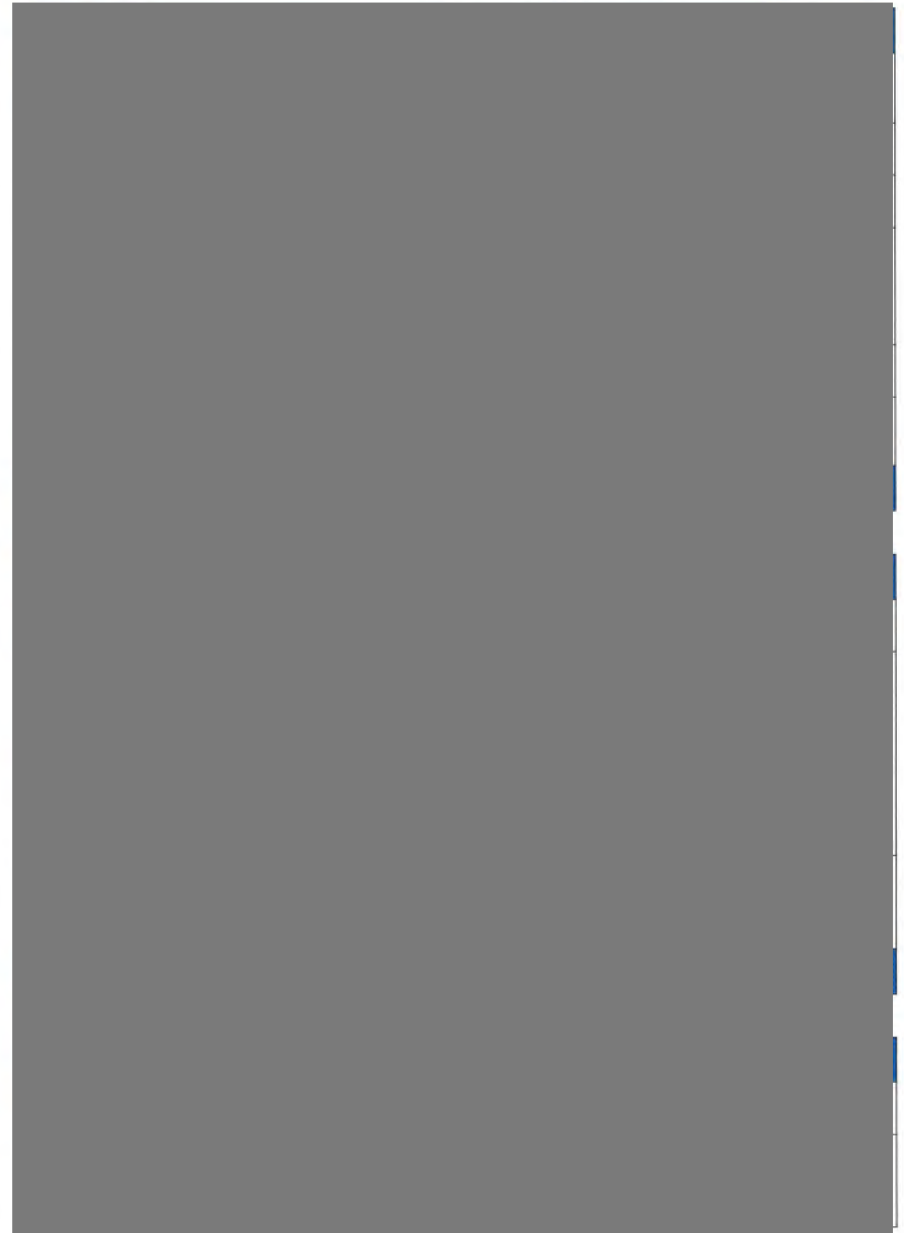




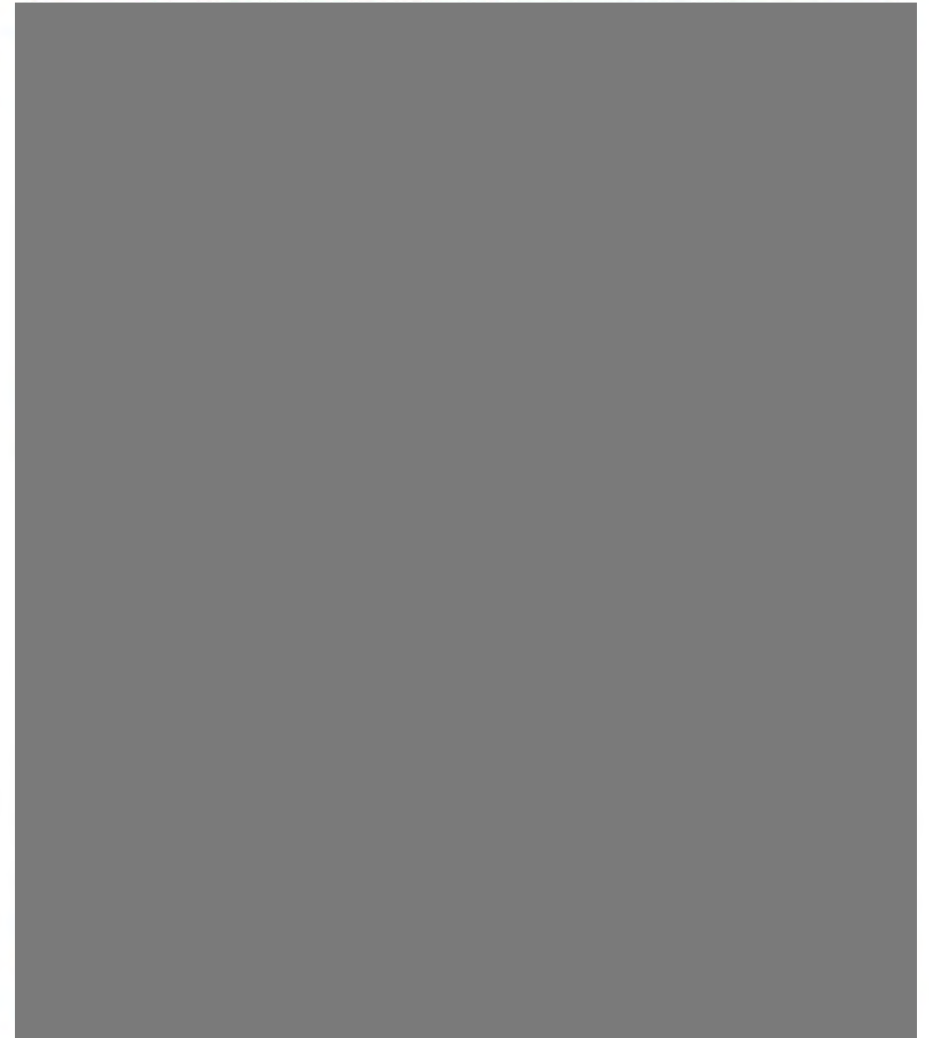














## Appendix

**Appendix A : GR0781 Service and Interface Crude HDR**

Revision No.: 5.1

Date: 19 October 2021

HC-WI-PD-5391

Page 21 of 27

This is a controlled document and must be used within 7 days of printing 12 July, 2022



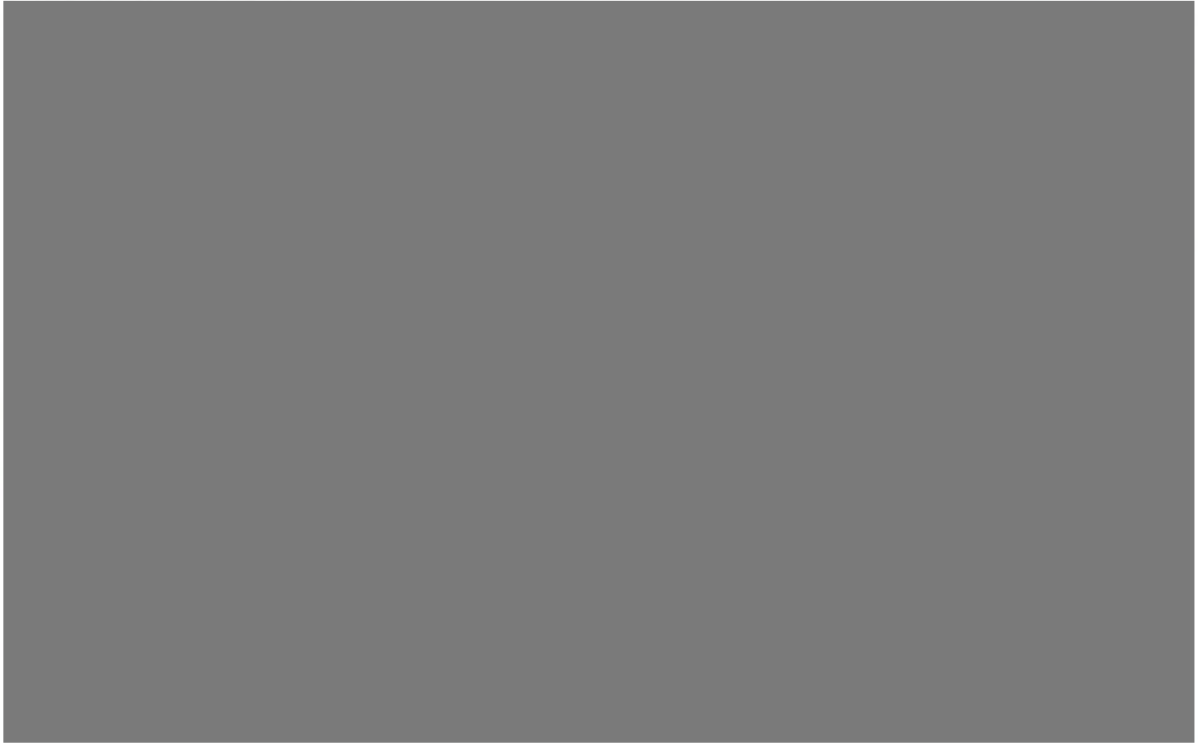
Revision No.: 5.1

Date: 19 October 2021

HC-WI-PD-5391

Page 22 of 27

This is a controlled document and must be used within 7 days of printing 12 July, 2022

**Appendix C : Loading outturn figure**

Revision No.: 5.1

Date: 19 October 2021

HC-WI-PD-5391

Page 23 of 27

This is a controlled document and must be used within 7 days of printing 12 July, 2022

**Appendix D : GR2413 Crude Oil filling/mixing**

Revision No.: 5.1

Date: 19 October 2021

HC-WI-PD-5391

Page 24 of 27

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**Definitions**

N/A





ภาคผนวก ข.28

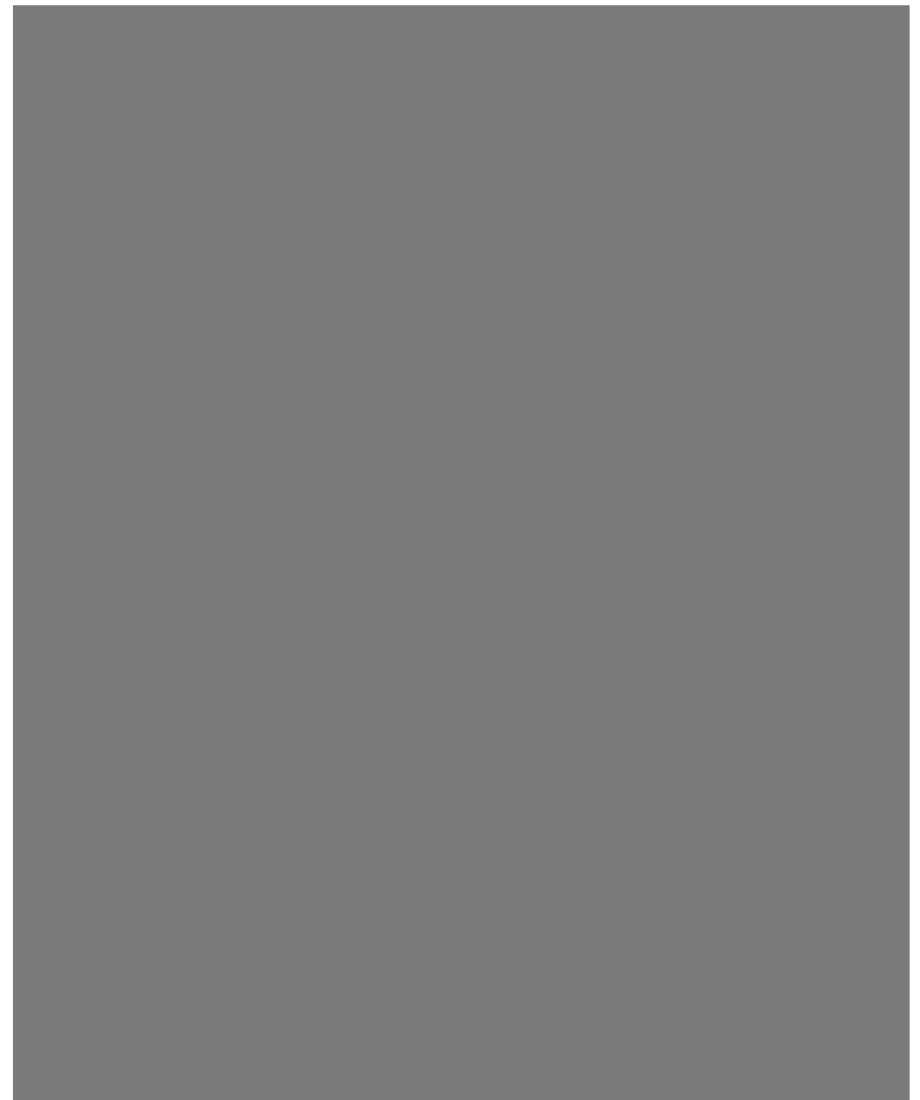
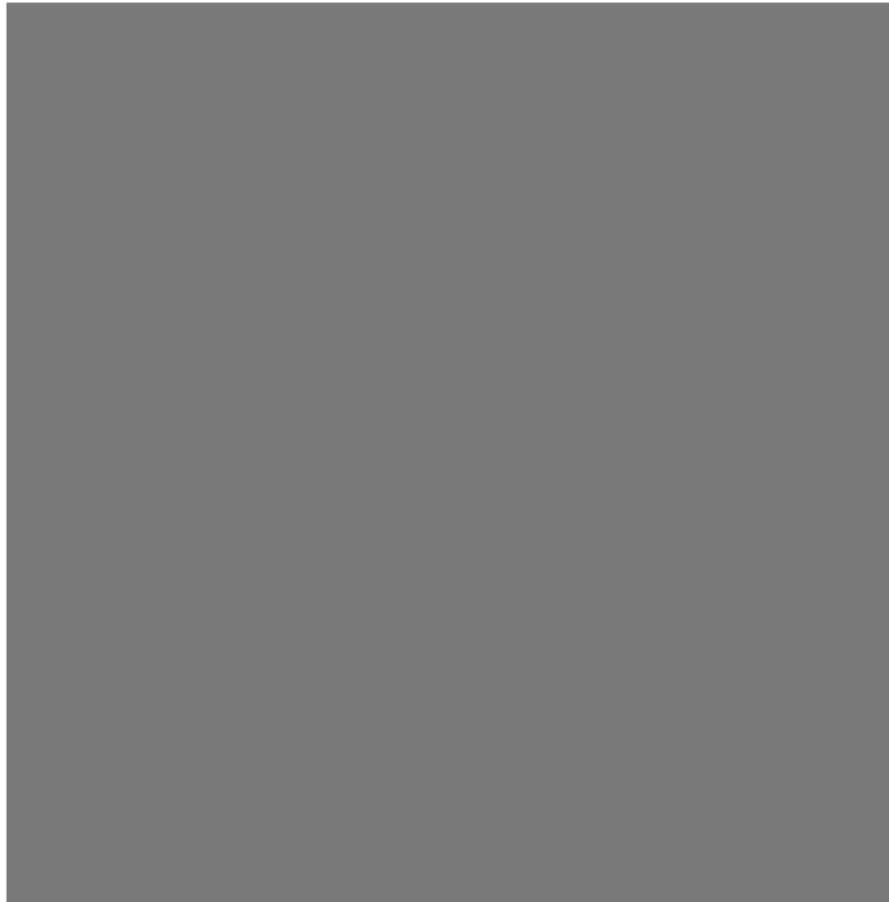
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ขั้นตอนการทำงานเกี่ยวกับการรับจ่ายน้ำมันที่ท่ากลางทะเล

Movement/Dispatches		
<b>SPRC</b> Plant 65 SPM Terminal Operating Procedure		
Prepared by:	Wattana Phaengsree	Number: HC-WI-PD-6084
Approved by:	Suranun Silasuwanwit	Revision: 3.3
This document must be printed and used "In Hand"		
Low	Medium	High





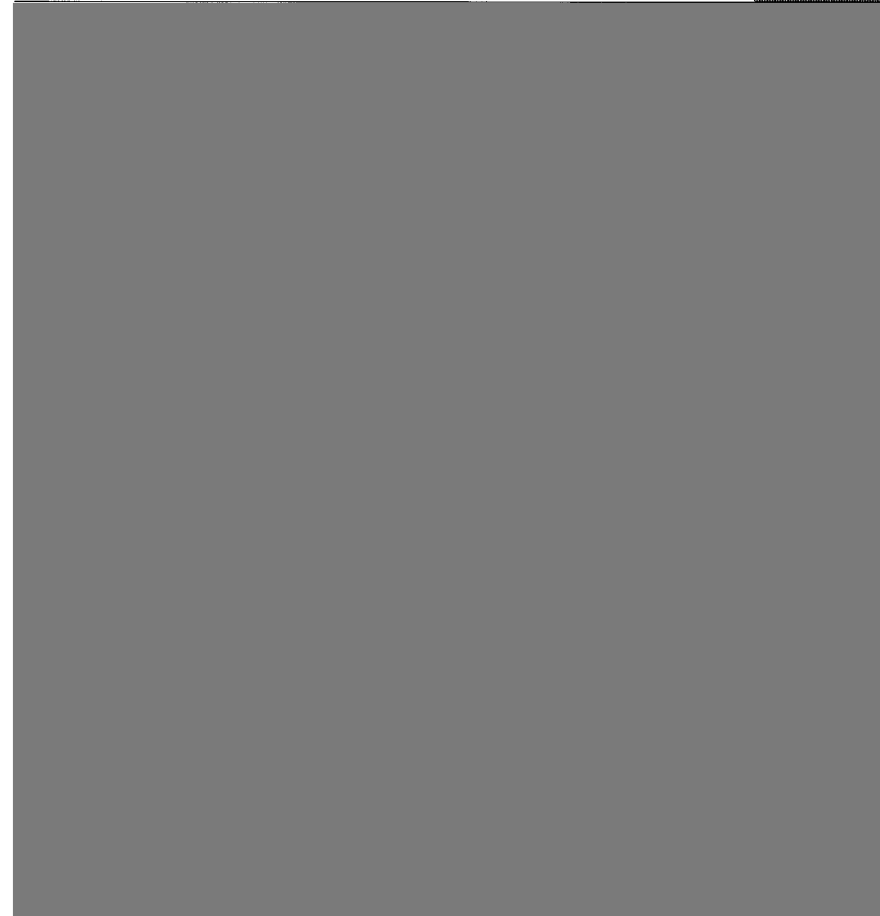




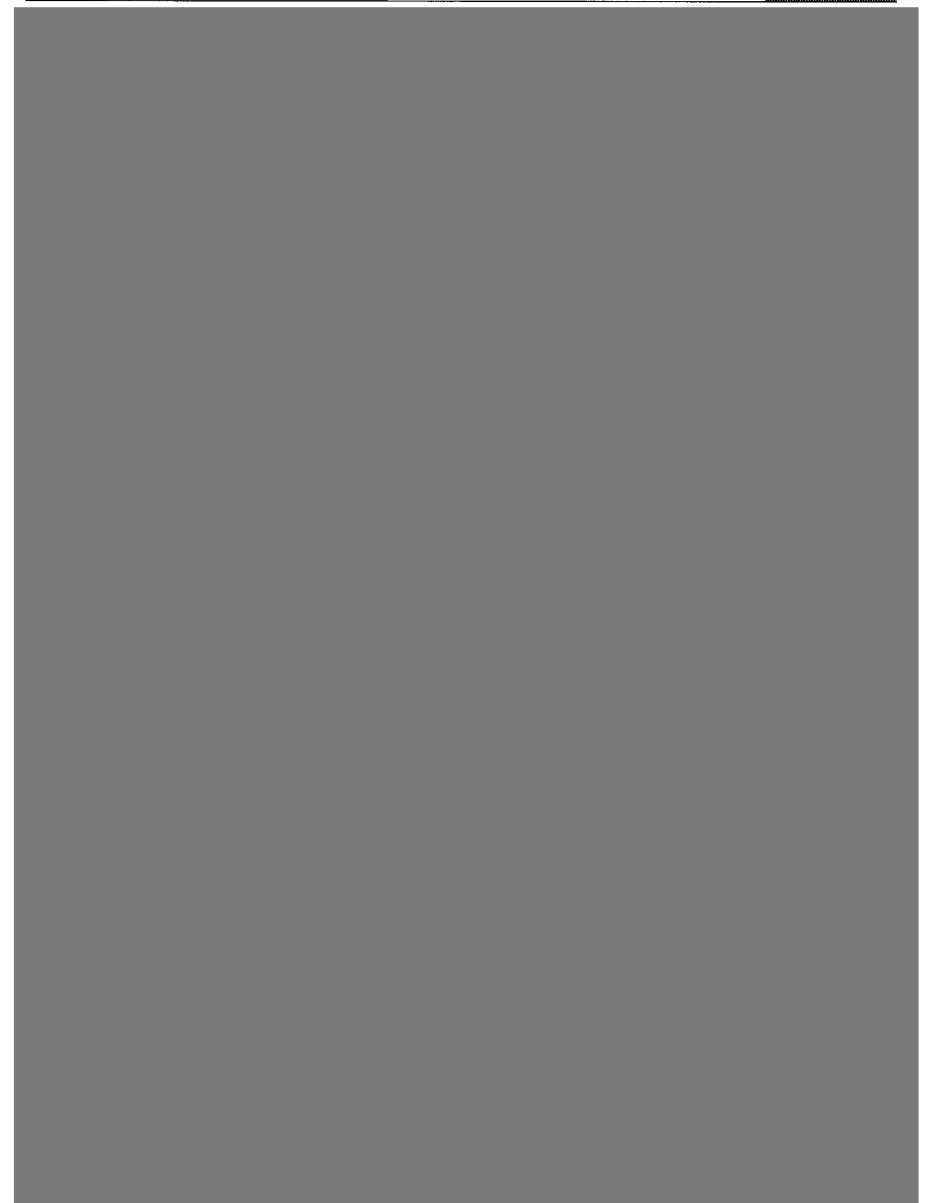




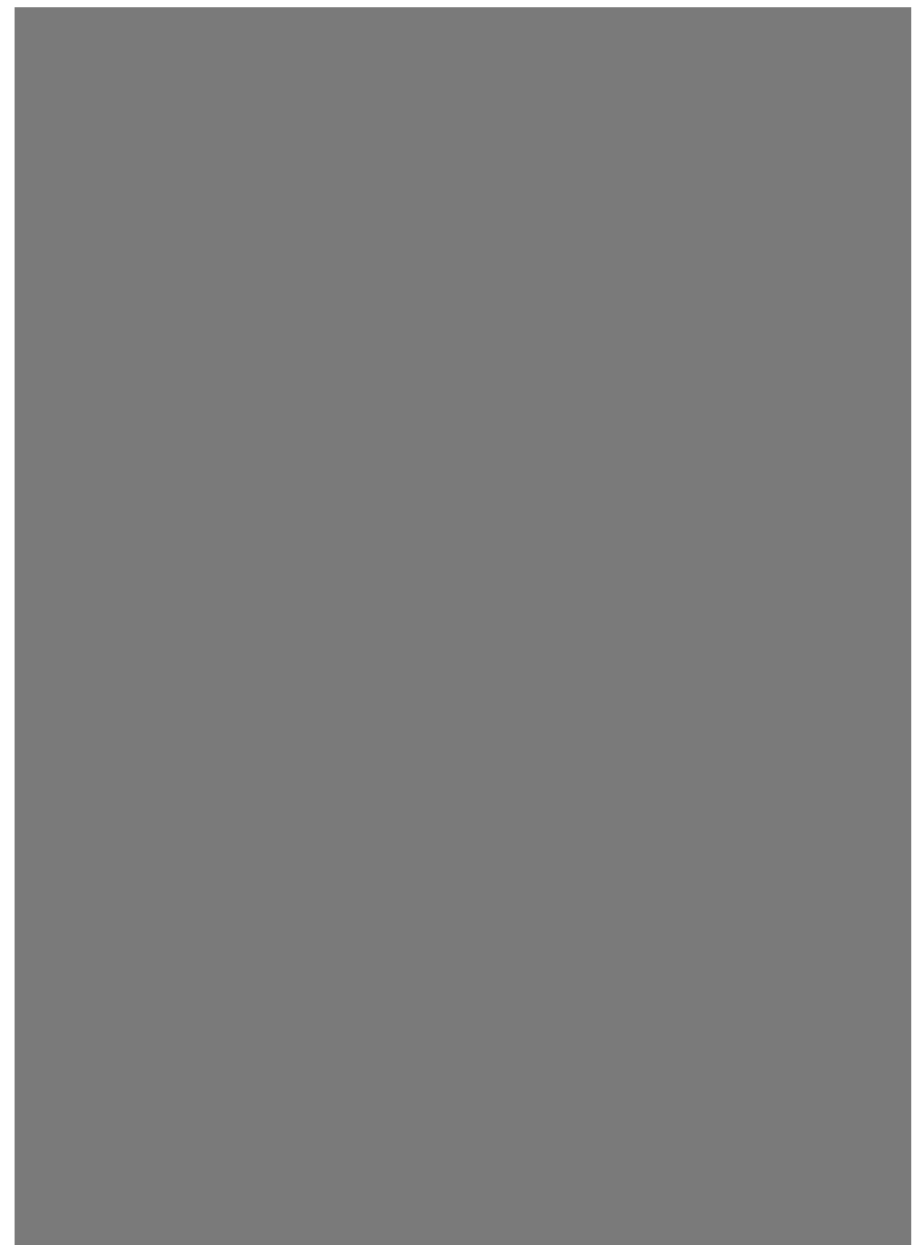




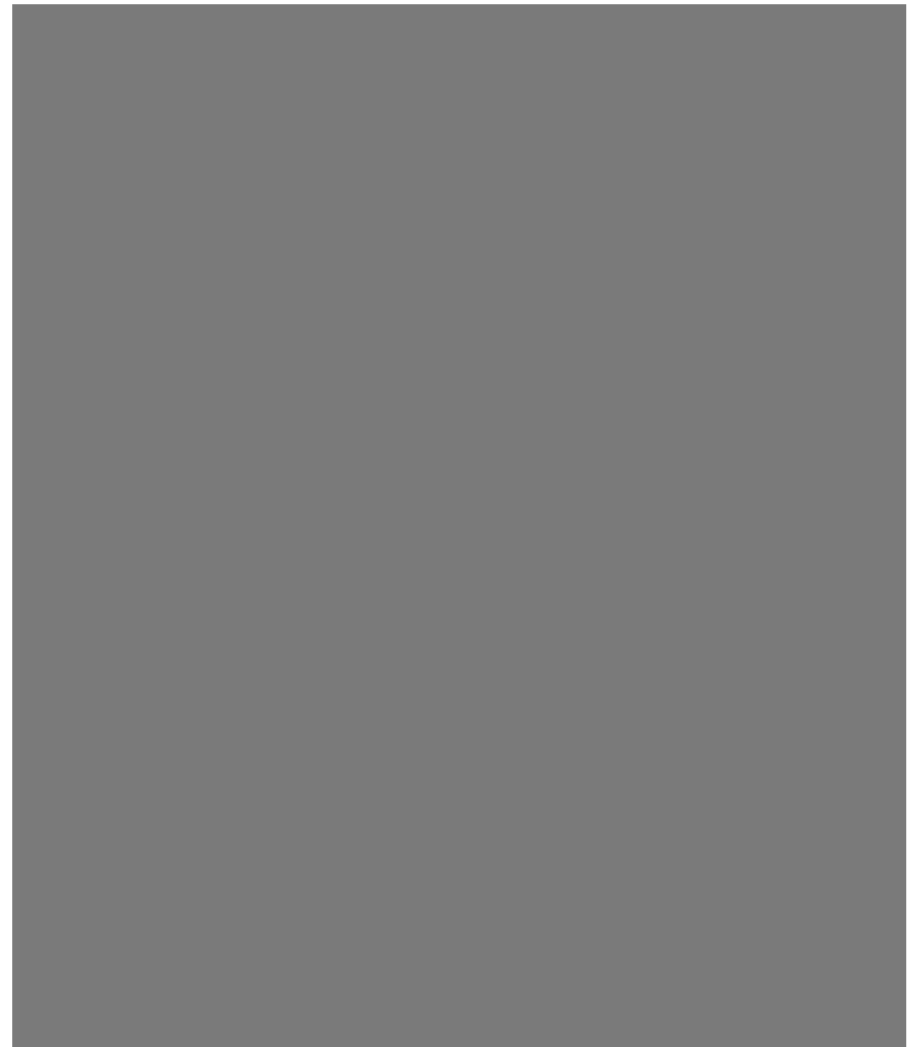


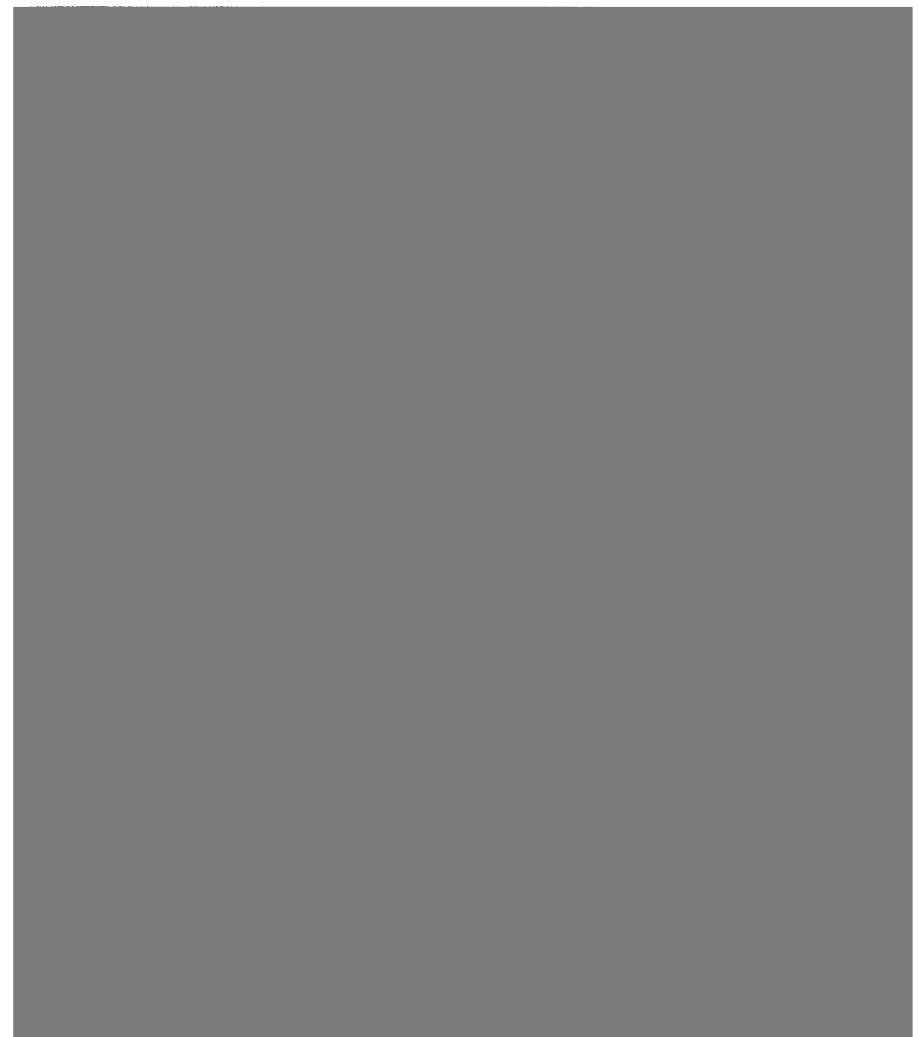


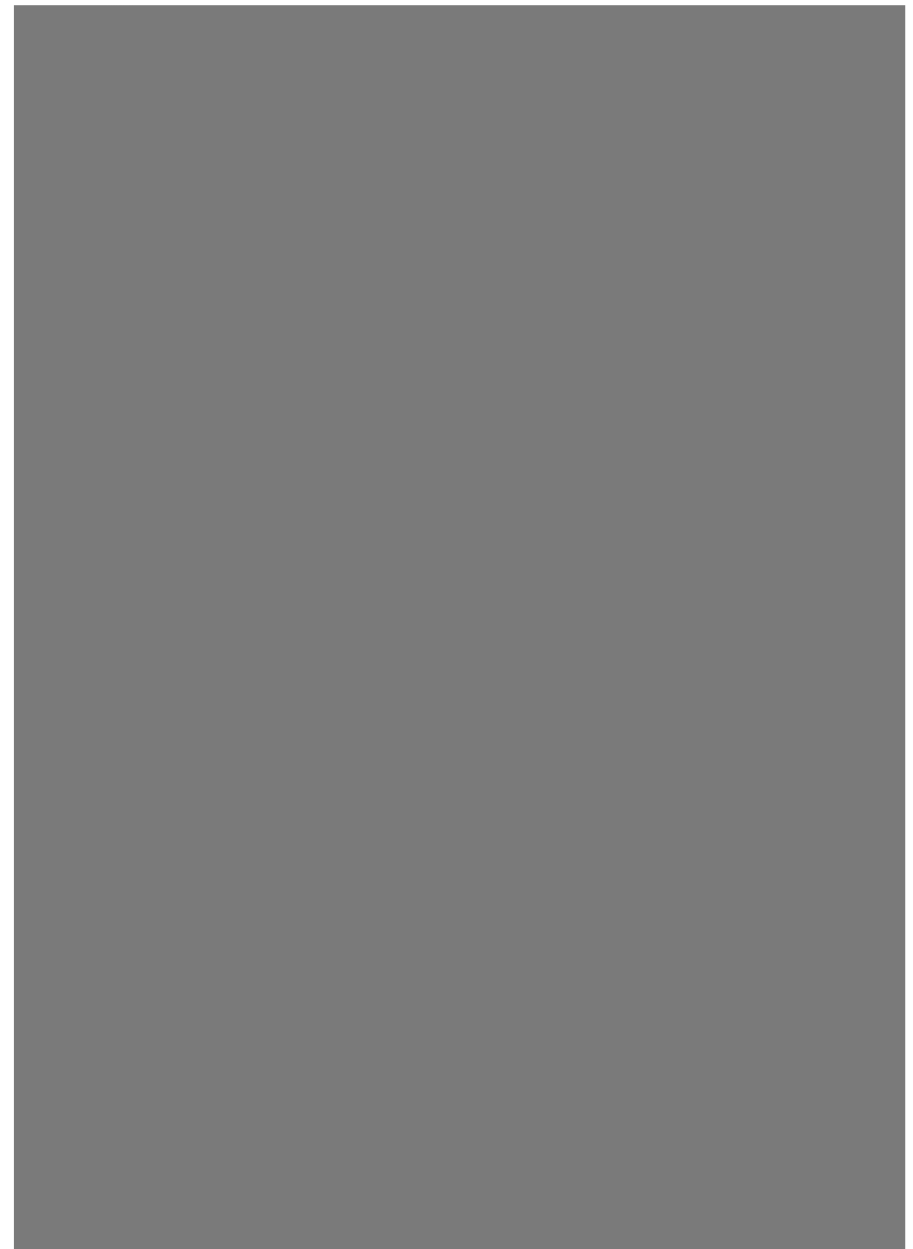








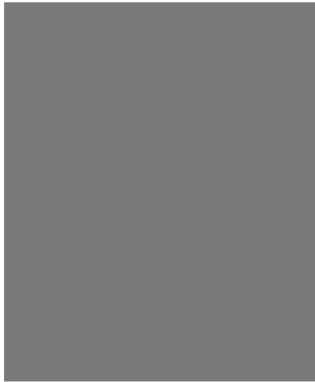






Means ... VHF CH.57, CALL SIGN ... "Mooring Master"



**References****N/A**

**Amendment List**

ภาคผนวก ข.29

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บันทึกการตรวจสอบอัตราการส่งน้ำมันดิบ และระดับน้ำมันในถังเก็บ



Movement/Dispatches



**Plant 66 Ship and Shore Hourly Cargo Figures**

Prepared by: Sawai Paena

Number: HC-FO-PD-6024

Approved by: Opas Waiyasatja

Revision: .1

Low

Medium

High

17/12/23 ⑥

18/12/23

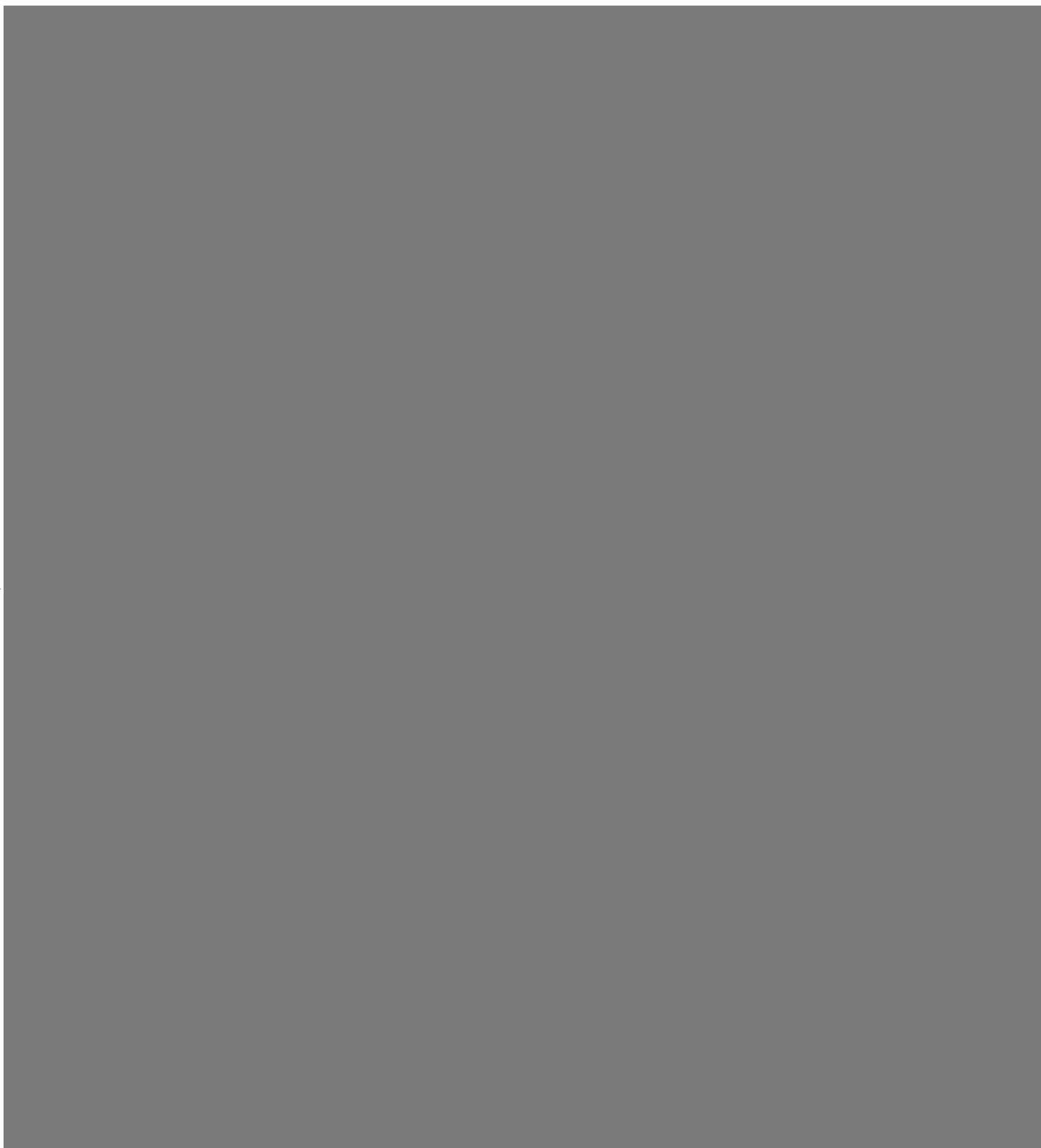
10.  
120

## Jakkrit Arparujanun

---

**Subject:**

FW: Crude discharge plan for "M/T GUNUNG GEULIS PERTAMINA 8004" on 12-13  
Dec 23



Nantaporn Pipithvittaya

Movement/Dispatches



**Plant 66 Ship and Shore Hourly Cargo Figures**

Prepared by: Sawai Paena

Number: HC-FO-PD-6024

Approved by: Opas Waiyasatja

Revision: .1

Low	Medium	open	close	High
TOTAL = 45,731 M <sup>3</sup> D102 = 9497 / 16471 (6.520)				

12/12

Sakda Wajitdol

---

**Subject:**

FW: Crude discharge plan for "M/T ATLANTIC EXPLORER" on 9-10 Dec 23



**Best Regards,**

Nantaporn Pipithvittaya

Movement/Dispatches



**Plant 66 Ship and Shore Hourly Cargo Figures**

Prepared by: Sawai Paena

Number: HC-FO-PD-6024

Approved by: Opas Waiyasatja

Revision: .1

6-020 (103/101)

Low

Medium

High

## SUMMARY ATG CALIBRATION REPORT TANK FARM SPRC Aug-Dec 2023

Tank	Product		Calibration result			Error	Temp ATG	Temp Dip	temp error	Remark
			ATG	Man Dip	Dip Date					
60D101	Crude	21736	13402	13403	11-Oct	-1	32.5	32.8	-0.3	
		21736	10189	10190	26-Sep-23	-1	30.8	31.0	-0.2	
		21736	2219	2222	28-Aug-23	-3	30.6	30.5	0.1	
60D102	Crude	21732								
		21733								Wait for calibration (Temporary cancel ATG)
		21733								
60D103	Crude	21723	12902	12904	16-Nov-23	-2	33.0	33.1	-0.1	
		21724	6818	6821	29-Aug-23	-3	32.7	32.9	-0.2	
		21722	4289	4287	26-Sep-23	2	32.7	32.9	-0.2	
60D104	Crude	21703	12509	12510	09-Oct-23	-1	32.8	32.9	-0.1	
		21703	9021	9022	29-Sep-23	-1	32.3	32.6	-0.3	
		21703	4098	4100	09-Oct-23	-2	31.0	31.2	-0.2	
60D105	Crude	21723	15267	15270	28-Aug-23	-3	34.9	35.0	-0.1	
		21723	8660	8662	09-Nov-23	-2	32.0	31.9	0.1	
		21723	3490	3492	26-Sep-23	-2	30.1	29.9	0.2	
60D106	Crude	21707	13028	13030	09-Oct-23	-2	33.0	33.2	-0.2	
		21707	7958	7959	29-Sep-23	-1	31.6	31.8	-0.2	
		21707	2909	2910	03-Oct-23	-1	30.8	30.9	-0.1	
60D107	Crude					0				
										Tank shutdown