



บริษัท ปตท.สผ. สยาม จำกัด

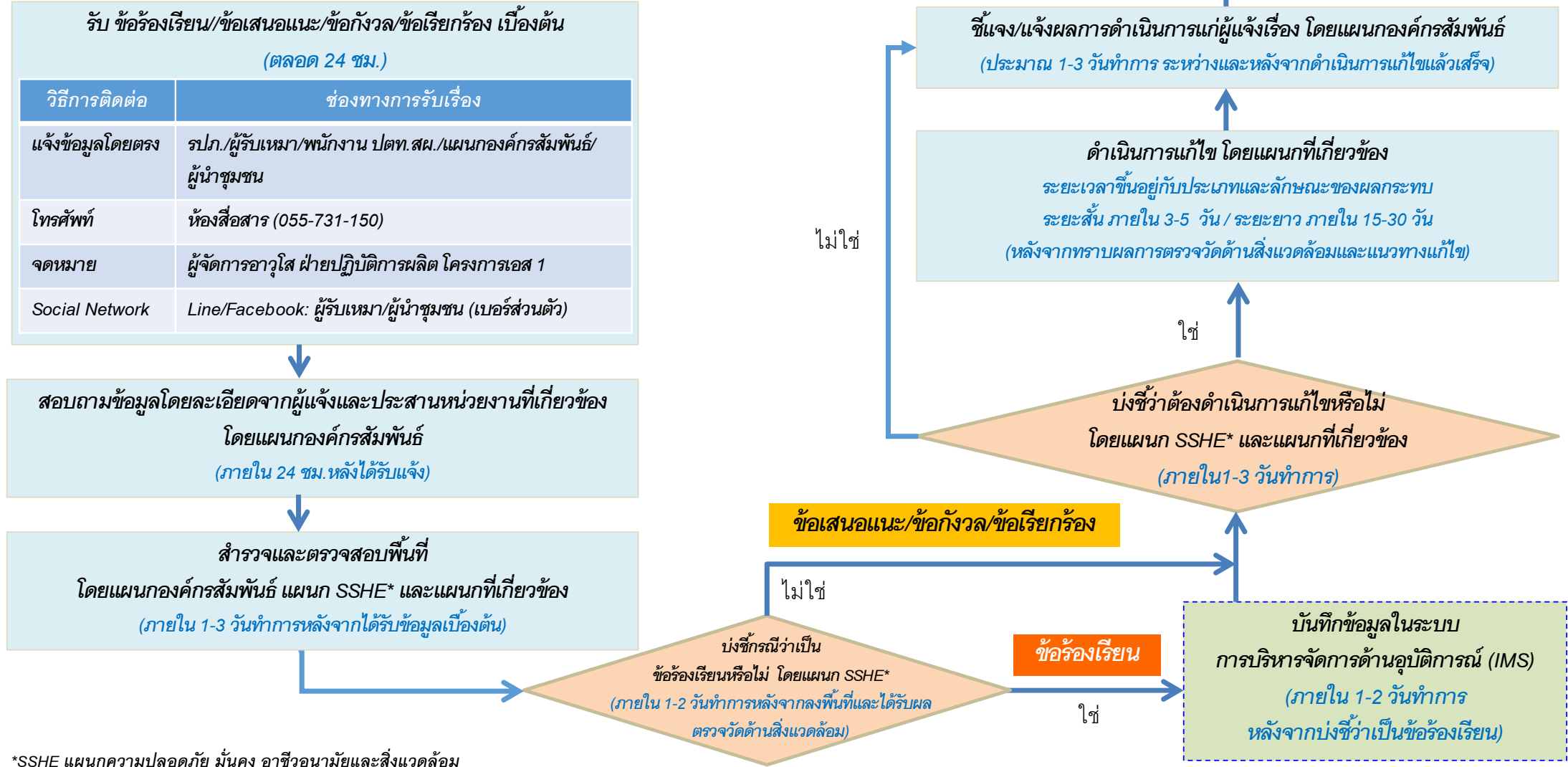
รายงานผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม และมาตรการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม
โครงการพัฒนาแหล่งน้ำมันประดู่เผ่าตอนใต้ ระยะที่ 2 แปลงเอส 1 จังหวัดพิษณุโลก และจังหวัดสุโขทัย
ฉบับเดือนมกราคม - ธันวาคม พ.ศ. 2566

ภาคผนวกที่ 7

แผนผังการรับข้อเสนอแนะ/ข้อร้องเรียน



แผนผังการรับข้อเสนอแนะ/ข้อร้องเรียน





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ฉบับเดือนมกราคม - ธันวาคม พ.ศ. 2566

ภาคผนวกที่ 8

รายงานสรุปสถิติอุบัติเหตุและข้อร้องเรียน
(SSHE Performance and Complain)

รายงานสรุปสถิติอุบัติเหตุและ ข้อร้องเรียน ปี 2566



2023 S1 SSHE PERFORMANCE



SSHE Indicators	2023 KPIs			2023 Performance		
	Low	Base	Stretch	S1	One Team One Goal	Status
Lost Time Injury Frequency (LTIF, No./MMhrs) – <i>Company One Team One Goal</i>	0.23	0.10	0	0	0.13 (5 Cases)	●
Total Recordable Injury Rate (TRIR, No./MMhrs) – <i>PDD One Team One Goal</i>	0.80	0.56	0.33	0.20 (1 MTC&1 RWDC)	0.15 (2 cases; 2 RWDC) Company TRIR = 0.68 (31 cases)	●
LOPC Tier 1 & 2 (LOPCR, No./MMhrs, Production + Drilling)	0.11	0.07	0	0.00	NA	●
Spill Rate (Tonne/MMt Production) (<i>1.3 MMt production</i>)	0.27	0.16	0	0.002 (3 Liters)	NA	●
Motor Vehicle Accident (MVA) (No. of HPI & TRIR IOGP 365-5) – <i>PTN One Team One Goal</i>	3	2	0	1	1	●
SSHE Plan Completion	90%	100%	100% with closeout actions due in 2023 from corporate audit and incident	100%	NA	●
GHG Emission Intensity Reduction (%) – <i>Company One Team One Goal KPI</i>	13.3%	13.7% + net zero implementation	Base + new reduction initiatives	NA	12.7% (Forecast 13.0% as of Nov 23)	●
GHG Emission Reduction from Initiatives / Projects (Tonne CO2e)	116,720	125,146	133,572	136,839 (Forecast 136,839)	NA	●

Staff
979,311

Contractor
9,197,557

2023 Total MH
10,176,868

Cumulative MH without LTI
10,856,951

as of 31/12/2023

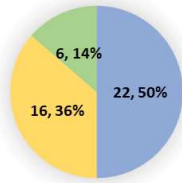
Note: Last LTI on 07 Dec 2022, Last TRI on 13 Nov. 2023

2023 S1 INCIDENT SUMMARY (as of 31 Dec 2023)

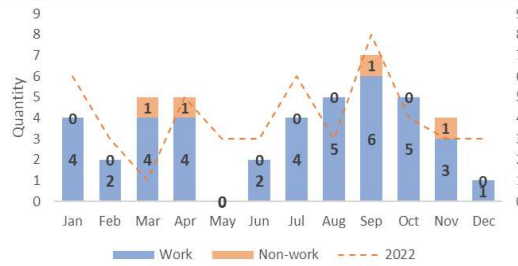


S1 Event

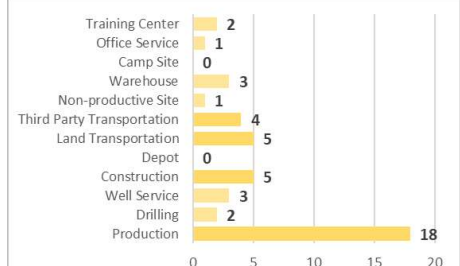
Incident	44
Near Miss	11
Illness	0
Occ. Illness	0



2022-2023 S1 Incident Case



S1 Incident Case by Activity



5 Incident in Nov – Dec 2023

HPI & RWDC: Rig crew falls off from rig floor

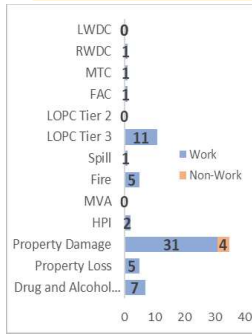
Property Damage (Land Transport)

- Third-party pickup truck collided with flowline
- A company van collided with a lightning pole foundation while backward.
- A TDS beam slid from a forklift and collided with a fence.

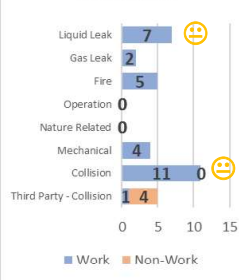
LOPC Tier 3

- Hydrocarbon liquid leakage from the stuffing box of wellhead LKU-Z56

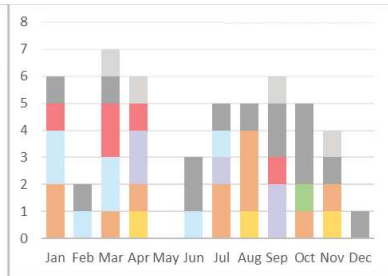
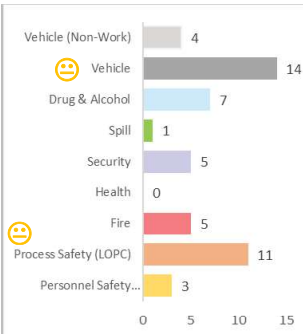
Incident Case by Classification



2023 Property Damage & Related Cause



Incident Trend by Type



The high trend of vehicle incidents in Sep-Nov

3

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2023 EIA Compliance Audit & Monitoring (CA&M) (Jan-Dec)



(as of 20 Dec 23)

Phase	Location (wellsite and Flow Line (FL))	Completion (Actual Done/Plan)
Construction	2 locations: NTM-B_Ext and NTM-C	2/2
FL Construction	New flow line: NTM-H to NTM-A	1/1
Drilling	well sites in Jan-Dec 2023: NTM-C, YMG-A, NPG-F, LKU-T, LKU-ZD, NMM-Q (1st), LKU-ZJ, LKU-ZB, NTM-B, WTN-AA, TYI-A, WMW-A, WMG-B, NMM-C, LKU-A, LKU-S, WTN-B, LKU-CA <i>Note: NPG-E, TRT-A, NMM-Q (2nd) (Postponed to 2024)</i>	18/18
Production	via existing 66 FLs and 34 well sites (Sirikit & LKU Area) LKU-M	1/1 Major Project
	via 20 FLs: TRT-A to TRT-C, NMM-I to NMM-D, TRT-E to TRT-C, LKU-ZA to LKU-L, LKU-ZC to LKU-P, KMG-A to NTM-C, WTN-A to WTN-B to NTM-C to NTM-A, NTU-A to PKM-B, PKM-D to PKM-B, TYI-A to LKU-Y, NSA-A to TYI-A, YMG-A to TRT-A, NTM-B to NTM-A, PTO-D to NTM-B, PTO-D to PTO-A, NTM-A to TYI-A, PKM-E to PKM-B, LKU-FF to LKU-F, NMM-H to NMM-A, WTN-AA to WTN-A, NMM-B to LKU-A, PDA-A to NSG-A, PDA-C to PDA-A, LKU-ZJ to LKU-ZD ext.	24/24
	21 well sites (Sub-stations (Permanent Locations) and MPF Units): NTM-A, PTO-A, WMG-B, SPA-C, SPA-D, SPA-F, PTO-B, NOH-A, NOH-B, NSG-A, WME-E, NPG-A, NPG-E, PKM-A, PKM-B, STN-A, STN-B, LKU-ZB, WTN-C, NOH-C, PTO-F	21/21
EIA CA&M Progress		67/67 100% completed
External Complaint (Number, case)		YTD 0

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2023 Environmental Performance (as of 31 Dec 23)



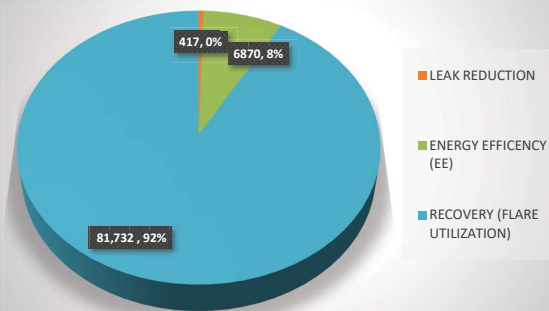
● GHG Reduction

2023 Reduction target (tCO2e)				GHG Reduction performance (tCO2e)		Status (vs Stretch Case)
Asset	Low	Base	Stretch	YTD	Year-end forecast	
S1	116,720	125,146	133,572	136,839	136,839	●

2023 S1 GHG Reduction Projects (Total = 16 projects)

NO.	Project	NO.	Project
1	S1 Flare Gas Utilization (STN-A CDM)	9	S1 New Flowline PTO-D to NTM-A
2	S1 HRSG (Phase I)	10	S1 New Flowline NMM-I to LKU-FSTN
3	S1 NTM-A Trunk Flow Line	11	S1 New Flowline NMM-B to LKU-FSTN
4	S1 F/S LP Flare Recovery	12	S1 New Flowline PDA-C to PDA-A
5	S1 Methane Reduction	13	S1 New Flowline WTN-AA to WTN-B
6	S1 HRSG (phase II)	14	S1 New Flowline PDA-A to NSG-A
7	S1 GHG Fuel Gas Optimization	15	S1 New Flowline LKU-ZB to LKU-ZC
8	S1 Gas Mobile Generator at PTO-B (Start Q1 2024)	16	S1 New Flowline WTN-C to WTN-A

TYPE OF S1 GHG REDUCTION PROJECT



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ไม่มีเรื่องร้องเรียนปี 2566

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รายงานผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม และมาตรการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม
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ภาคผนวกที่ 9

S1 General SSHE Rules and Requirements Procedure



PTT Exploration and Production Public Company Limited



S1 General SSHE Rules and Requirements Procedure

13247-PDR-SSHE-505/08-R04

Approval Register

Document Subject	S1 General SSHE Rules and Requirements Procedure
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Effective Date	September 2021

S1 General SSHE Rules and Requirements Procedure

Document Code: 13247-PDR-SSHE-505/08-R04

September 2021

Review and Approve

	Name	Signature	Date
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THIS DOCUMENT WILL BE REVIEWED EVERY 5 YEARS FROM DATE OF APPROVAL OR REVISED EARLIER IF NECESSARY.

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INTRODUCTION

1. PURPOSE

This S1 General SSHE Rules and Requirements demonstrate minimum SSHE requirements that all staff and contractors shall comply with to ensure that the activities are executed safely and cause no harm to personnel, asset environment and reputation.

2. SCOPE

The S1 general SSHE rules and requirements is applicable for all staff and contractors working in S1 operation areas.

REQUIREMENTS

3. S1 GENERAL SSHE RULES AND REQUIREMENTS

3.1 SSHE TARGET ZERO INCIDENT

Arise from SSHE management system set the specific number in strategic objective called “SSHE Target Zero Incident” which means;

- No personal injury
- No security concern
- No environmental impact such as spill
- No major accident
- No public complaint impact to reputation/image

3.2 ADOPTING THE LIFE-SAVING AND PROCESS SAFETY RULES

The Life-Saving and Process Safety Rules aim at preventing fatalities and process safety incidents. The rules' primary objective is to achieve the Company's aspiration of “Target Zero” and “Nobody gets hurt in our operations”.

Each rule consists of an icon and simple actions that individuals can take to prevent fatalities and loss. The rules are separated into two sets as listed in Figure 1 and Figure 2 below.

Personnel working under S1 operations facilities shall be trained or received appropriate briefing of Life-Saving and Process Safety Rules and shall follow and comply with Life-Saving and Process Safety Rules and other SSHE requirements. Violation of Life-Saving and Process Safety shall be reported to a supervisor or other provided channels such as SOC, HRC, Incident Management System (IMS) etc.

Life-Saving and Process Safety Rules shall be applied in risk assessment activities such as the JSA and Permit to Work meetings.

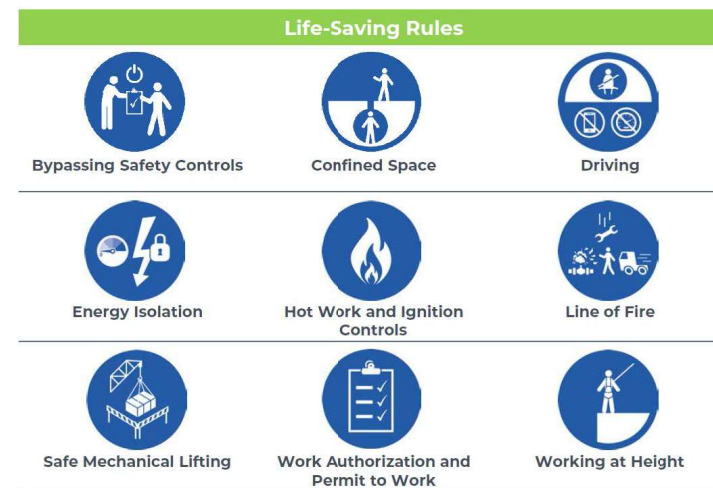


Figure 1: PTTEP Live Saving Rules



Figure 2: PTTEP Process Safety Rules

3.3 ACCESS CONTROL AND PERSONAL IDENTIFICATION

Security is a part of SSHE management system that maintain the integrity of people and assets away from crime, robbery and sabotages among social situation. PTTEP staffs, contractors, visitors and concerned person shall follow access control instruction and coordinate with security guard at all entrance gates. Citizen ID card and passport are the primary evident to express themselves and change to the specific ID cards as below pictures.



Figure 3: Type of Identification Card (Staff & Contractor)

3.4 SSHE INDUCTION

S1 has established an induction program to welcome every new, newly transferred, and promoted employee to the S1 Asset. SSHE induction program is intended to familiarize these employees with the S1 Organization and to introduce them to the PTTEP Vision and Missions, SSHE Policy and strategic objectives for the development of safe, secured, healthy, and environmentally responsible workforces.

SSHE induction is mandatory for all personnel as describe below and shall take place as soon as is practicably possible after arrival.

- New staffs/contractors who is first time and/or transferring to work at S1 Asset;
- The person who has not been in S1 asset more than 6 months;
- Visitors or business partner who is working within one day.

Once employees have gone through the induction program, they shall receive more in-depth job-related training to prepare them for the work that they will be expected to do. This training shall depend on the duties assigned and the prior education and experience background of each individual.

Apart from the SSHE Induction program, all PTTEP newcomer and contractor personnel who working as organic staff in S1 operations are required to attend the S1 SSHE familiarization Program as specified in S1 SSHE Familiarization Program Procedure.

3.5 DRUGS, ALCOHOL AND KRATOM LEAF

It is the employee's responsibility to be fit for work. Employees shall be prohibited from being on company business or locations while impaired by drugs, alcohol or Kratom leaf. Using illegal drugs, alcohol or Kratom leaf, or misusing legal drugs or other substances, will be influenced and reduce their ability to perform their job safely.

Department of Mineral Fuels (DMF) defines drugs, Kratom leaf and alcohol regulation to ensure the person who is performing at concession area must have 0.00 % BAC. If the second test is positive, do not enter to the company's premise for 72 hours and consequentially report to DMF. Disciplinary action in accordance with HR Policy. Such action is also subject to the related local laws.

There are various kinds of alcohol testing are as follows;

- **Pre-employment Testing.**
- **Testing before placement in sensitive position and sensitive areas.**
- **Random and periodic (screening) testing** which is without cause.
- **Testing with cause** after incident taken place if positive result, employee is recommend to leave without pay and may be requested by police authority or under the court-of-law.

3.6 INCIDENT REPORTING

PTTEP support and admires the staffs, contractors and involved person to inform near miss, accident and public or environmental complain to the LKU telecommunication room for further notifying to concerned parties and relevant person. All incidents shall be recorded in computerized PTTEP Incident Management System (IMS).

Incident reporting and investigation process shall be followed and compliance with PTTEP Incident Management Standard.

3.7 GREEN OFFICE & 5S PROGRAM

S1 receives 'Gold Level' Green Office Award 2020 from the Department of Environmental Quality Promotion. Green Office Award is given to leading organizations that have made efforts to reduce energy consumption, minimize carbon footprint and implement green practices in their offices/operations and sustain a healthy workplace.

5S (Sorting, Setting in Order, Systematic Cleaning, Standardizing, Sustaining) Program is a structured program to systematically achieve well organization, cleanliness and standardization which result in a safer, more efficient and more productive operation. 5S Program is considered as a component of the green office. It is recommended that all personnel adopt the concept of 5S program and integrate it as part of their daily work routine.



Figure 4: 5S during cleaning & completed cleaning

3.8 STOP WORK AUTHORITY (SWA)

Stop Work Authority (SWA) is the prevention campaign when unsafe act and unsafe condition are found in workplace.

Stop Work Authority exercise is a tool to monitor SSHE awareness and leadership of staffs and contractor for proactive cultures and dare to stop any non-conformances of safe practice. Example of Stop Work Authority Exercise is illustrated in Appendix A. Stop Work Authority (SWA) Forms, both in Thai & English, are available on S1 Document Databasc > SSHE > 10: SSHE Forms.

Four factors that can be stopped in personal, tools, equipment and undesirable SSHE practices are as the following diagram.



Figure 5: Stop for Safety (4-STOP)

3.9 ROAD SAFETY

Most numbers of S1 asset activities concern to road, traffic hazards which causes the high severity to drivers and passengers. Defensive driving, the foreseen awareness to identify and rapid assess the front sight and decide to control the vehicle safely. Drivers shall adhere as the followings:

- Evaluate yourself and ensure fit to drive in any traffic condition.
- Use BEWAGON technic to check readiness of vehicles.
- Fasten seat belt and do not sit on the undersigned seat from manufacturers.
- Keep baggage in place at provided area to obstruct another vehicles on traffic lane.
- Do not use mobile phone or simultaneous act while driving.
- Keep velocity under that traffic condition and also being compliance to laws, rules and regulations.
- Journey management plan (JMP) shall be done in case the long journey, night driving and heavy load transportation.










ขีดจำกัดความเร็ว สำหรับยานพาหนะของ ปตท.สผ. โครงการเอส 1 PTTEP S1 Asset Vehicles Speed Limit				
รถบรรทุกหนัก Heavy Vehicle (HV)		บนถนนทางหลวง Highways	ถนนลูกรัง Laterite Roads	ภายในพื้นที่บริษัท Inside Installations
 รถบรรทุกน้ำมัน Crude Oil Tanker	 8 ล้อ ขึ้นไป ≥ 8 wheel truck	<div>55</div> กม./ชม. km./hr	<div>30</div> กม./ชม. km./hr	<div>20</div> กม./ชม. km./hr
		<div>หมายเหตุ: ความเร็วต้องไม่เกินป้ายจราจรที่กำหนดไว้ และ อาจปรับตามความเหมาะสมเมื่ออยู่ในเขตชุมชน เพื่อไม่ให้เกิดฝุ่น</div>		
รถยนต์ขนาดเล็กและรถตู้ Light Vehicle (LV) & Minibus		บนถนนทางหลวง Highways	ถนนลูกรัง Laterite Roads	ภายในพื้นที่บริษัท Inside Installations
 รถเก๋ง Saloon car	 รถกระบะ Pickup	 รถตู้ Minibus		
		<div>80</div> กม./ชม. km./hr	<div>40</div> กม./ชม. km./hr	<div>20</div> กม./ชม. km./hr

Figure 6: PTTEP S1 Asset Vehicles Speed Limit

3.10 WASTE MANAGEMENT

Waste management system which is aligned with Corporate Waste Management Procedure and Notification of Department of Mineral Fuel on Waste Management Standard for Petroleum Facility B.E. 2556.

The hierarchy of waste management is expressed in terms of reduction, reuse, recycling, recovery and finally residue treatment and disposal.



Figure 7: Waste Management Hierarchy

The waste generator shall classify waste into two main categories which are HAZARDOUS WASTE and NON-HAZARDOUS WASTE. Classification of waste process shall begin with identification of waste characteristic and its original source.

Waste management life cycle starts from waste identification from operations, segregation, packaging, labeling, transportation, disposal providers and reporting the inventories.

S1 asset provides containers (bin) of specific type of waste at every part of workplace to meet the proper cleanliness and hygiene.



Figure 8: Examples of Garbage containers (bin) in S1 operations

3.11 SMOKING AREA PROVISION

Passive smoking, also known as second-hand smoke or environmental tobacco smoke, is when a person breathes in toxic fumes. The person who never smoked, shall aware the health effects when nearby smoker(s).

Smoking is only allowed in designated smoking areas where is provided for fulltime (24 hours) and specific office hours (07:30 - 16:30 hrs.) as Appendix B. Smoker shall be responsible for cleanliness by throwing away cigarette butts into provided sand bin and also correct type of garbage containers.

In addition, they are not allowed while in Company/Contractor vehicle.

3.12 PERSONAL HEALTH AND HYGIENE

Staffs, contractors and concerned parties usually use company's provision of facilities which has personal distancing less than 1 - 2 meters. There may be enormous contamination and epidemiology of virus to harm human's health in workplaces.

S1 SSHE Asset and Corporate Doctors recommend to all facility users shall protect themselves by wearing specific protective equipment, i.e., natural rubber gloves, surgical mask (if preferable) whenever sharing these common facilities.

Safety boots and safety shoes are not allowed to inside the office, canteen and accommodation this may be contamination to common facilities or personal illness.

การรักษาอนามัยส่วนบุคคลเพื่อป้องกันโรคระบาด




Figure 9: Personal Health Hygiene


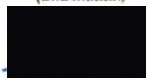



Figure 10: Safety boots and shoes prohibited to inside building

APPENDICES

APPENDIX A: STOP WORK AUTHORITY (SWA) EXERCISE

STOP WORK AUTHORITY (SWA) EXERCISE REPORT FORM		Form No.: 10015-SUF-SSHE-FRM-002-R00													
S1															
Part 1: Exercise Planning (แผนการซ้อมการหยุดงาน)															
Subject (เรื่อง): Pretend to use mobile phone in hazardous area		Location (สถานที่): NPG-A													
Activity (กิจกรรม): SSHE Committee Walkabout Audit at NPG-A		Date (วันที่): 11 Feb 2021 Issued by (รายงานโดย): Benjamaporn S.													
Scenario (สถานการณ์การฝึกซ้อม): PS1 conducts the SSHE Committee Walkabout Audit at NPG-A with S1 SSHE Committee Members. He brings the mobile phone along to the process area and use it to take a photo while conducting the audit.															
Objective (วัตถุประสงค์): ➢ To observe that worker will apply the stop work authority. ➢ To encourage all worker to response the stop work authority for roles and regulations information stop work policy must be held when found any violation.															
Observer (ผู้สังเกตการณ์): <table border="0"> <tr> <td>1) K. Vuthichai Kositnun (PS1/O)</td> <td>7) K. Aungkoon Suphaphot (OTN/W)</td> </tr> <tr> <td>2) K. Nattapong Vattanaajorn (PS1/T)</td> <td>8) K. Bharkhoom Sripaiboon (OTN)</td> </tr> <tr> <td>3) K. Terawat Hensrisakul (PS1/M)</td> <td>9) K. Jittakorn Thongrorm (PS1/P)</td> </tr> <tr> <td>4) K. Teerachai Surahirun (PS1/P)</td> <td>10) K. Surachai Jaipanya (PS1/P)</td> </tr> <tr> <td>5) K. Tammanoon Chaipanyakul (OTN)</td> <td>11) K. Phontakorn Yodchapeh (PS1/P)</td> </tr> <tr> <td>6) K. Suthorn Domhom (PS1/S)</td> <td>12) K. Pairat Santiwong (ECM/N)</td> </tr> </table>				1) K. Vuthichai Kositnun (PS1/O)	7) K. Aungkoon Suphaphot (OTN/W)	2) K. Nattapong Vattanaajorn (PS1/T)	8) K. Bharkhoom Sripaiboon (OTN)	3) K. Terawat Hensrisakul (PS1/M)	9) K. Jittakorn Thongrorm (PS1/P)	4) K. Teerachai Surahirun (PS1/P)	10) K. Surachai Jaipanya (PS1/P)	5) K. Tammanoon Chaipanyakul (OTN)	11) K. Phontakorn Yodchapeh (PS1/P)	6) K. Suthorn Domhom (PS1/S)	12) K. Pairat Santiwong (ECM/N)
1) K. Vuthichai Kositnun (PS1/O)	7) K. Aungkoon Suphaphot (OTN/W)														
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6) K. Suthorn Domhom (PS1/S)	12) K. Pairat Santiwong (ECM/N)														
Part 2: Exercise Findings and Recommendations (ประเด็นการฝึกซ้อมและข้อเสนอแนะ):															
Item No. (ข้อ)	Finding Descriptions and Figures (รายละเอียดและรูปภาพ)	Recommendations (ข้อเสนอแนะ)	Action Party (ผู้ดำเนินการแก้ไข)	Target Date (วันที่กำหนดเสร็จ)											
1.	Operator who was the area owner did not apply Stop Work Authority immediately while observing PS1 pretend to use the mobile phone in process area.	PS1 recommended all to stop work immediately when found any violation rule and regulation.	All	-											
Exercise pictorial (รูปภาพการซ้อม):															
															

		STOP WORK AUTHORITY (SWA) EXERCISE REPORT FORM		Form No.: 10015-SUP-SSHE-FRM-002-R00
Summary of Exercise (บทสรุปของการซ้อม): Does the exercise meet the objective? (การซ้อมตามแผนบรรลุวัตถุประสงค์ที่วางไว้หรือไม่?) <input checked="" type="checkbox"/> Yes (ใช่) <input type="checkbox"/> No (ไม่ใช่)				
Part 3: Review and Approve (ทบทวนและอนุมัติ) Any additional comments and recommendations (ข้อเสนอแนะและข้อแนะนำอื่น ๆ):				
SWA Role Player (บทบาทสมมติ)  (VP,S1 Production Operation) Date: 11 Feb 21	Prepared and reviewed by: (เตรียมและทบทวนโดย) 1) Nattapong V. 2) Suthorn D. 3) Terawat H. Date: 11 Feb 21	Approved by: (อนุมัติโดย)  (VP,S1 Production Operation) Date: 11 Feb 21	Distributed to (ส่งข้อมูลถึง): PS1 Staff, PTN SSHE	

Note: SWA Role Player/Supervisor or SSHE personnel shall assess and ensure of safety during the SWA exercise.

APPENDIX B: S1 DESIGNATED SMOKING AREAS

พื้นที่สูบบุหรืนอกพื้นที่การผลิตและนอกอาคาร (24 ชั่วโมง)



ด้านข้างตึก 30 ปี



ด้านข้างอาคารที่พักลานกระบือ



ด้านหน้าประตู 2



ด้านข้างอาคารแผนกซ่อมบำรุงลานกระบือ



ด้านข้างอาคารจอดรถดับเพลิงลานกระบือ

พื้นที่สูบบุหรืนอกพื้นที่การผลิตและนอกอาคาร (เฉพาะเวลาทำการ 07:30-16:30 น.)



ด้านหน้าอาคารศูนย์ฝึกอบรมและอาคารนิทรรศการลานกระบือ

ROLES AND RESPONSIBILITIES

Roles	Responsibilities
Document Owner	<p>The owner of the VP, Superintendent, SSHE section with responsibilities for:</p> <ul style="list-style-type: none"> ■ Issuing S1 SSHE Rules and Regulations and its revisions. ■ Ensuring effective implementation of S1 SSHE Rules and Regulations.
Document Custodian	<p>The custodian of the Standard is the VP, Superintendent, SSHE section, with responsibilities for:</p> <ul style="list-style-type: none"> ■ Identifying deficiencies and opportunities for improvements; ■ Administrating & analyzing the implementation of S1 SSHE Rules and Regulations Procedure for continual improvements; ■ Initiating periodic revisions; ■ Maintaining revision history and document status register; and ■ Collecting and publishing all approved S1 SSHE Rules and Regulations;
Document Reviewers	<ul style="list-style-type: none"> ■ Document Reviewers shall be relevant Subject Matter Experts (SMEs) or Technical Authorities (TAs), who are nominated by the document owner, based on qualifications, suitability of expertise and work experience. ■ Nominated document reviewers shall scrutinize and comment on documents issued during the comment round. ■ If there are a number of Departments or Divisions within the Company whereby the same disciplines apply, then reviewers shall be selected from those Departments or Divisions, so that there will be a cross-section of input.
Document Controller	<ul style="list-style-type: none"> ■ Maintains document records, monitors/ reports on document development progress, and manages the approval development process. This will include issuance of document coding when proposals for new documents are issued by Document Custodians. ■ Provides the Document Custodian with a unique document code, after a document request has been received, and registered by the administrator. ■ Collaborates with the Document Custodian, document author during document development, and with concerned Management to provide document review and update

Roles	Responsibilities
	<p>information regarding the documentation activities on the Function Group / Division / Department yearly plan</p> <ul style="list-style-type: none"> ■ Notifies the Document Custodian at least 30 days prior to the scheduled document review date. ■ Ensures that the currency of SSHE documentation is maintained and accessible on the SSHE Intranet

DEFINITIONS AND ACRONYMS

Set out below are common specific terms presented in alphabetical order:

Term	Definition
Accident	Accident is an incident which has caused in actual injury or harm to people, damage to property, environmental impact, or negative impact to company reputation. Accidents involving injury to personnel may be further classified into: First Aid Cases (FAC), Medical Treatment Cases (MTC), Restricted Work Day Cases (RWDC), Lost time injury (LTI), Fatalities (FAT).
Asset	Refers to an operating Asset, site, or location within a respective Function Group.
Company	PTT Exploration and Production (Public) Co., Ltd. and PTTEP Siam Ltd.
Contractor	Contractor is a person employed by a Contractor or Contractor's Sub-Contractor(s) who is directly involved in execution of prescribed work under a contract with the reporting company.
Corporate	Refers to the PTTEP business groups hierarchically above Asset level, and located in the PTTEP headquarters, Bangkok.
Department	A subgroup within a Function Group, Division or Asset.
Division	A business group may have one or more distinct groups within its hierarchy. These are referred to as Divisions.
Function Group	Refers to a corporate level business group. These may have associated Divisions, Departments, or operational Assets within their hierarchy.
Guidelines	Refers to a corporate level business group. These may have associated Divisions, Departments, or operational Assets within their hierarchy.
Incident	An unplanned event or chain of events, which has resulted in injury or illness, damage to property, environmental impact, or negative impact on company reputation.
Legal professional privilege	A privilege that applies to communications, oral or in writing, made or brought into existence for the dominant purpose of obtaining or giving legal advice or assistance, or for use in existing or anticipated legal proceedings.

Term	Definition
Loss of Primary Containment	An unplanned or uncontrollable release of any material from containment, including non-toxic and non-flammable materials (e.g. steam, hot condensate, nitrogen, compressed CO2 or compressed air). Primary containment refers to pipes, vessels, tanks etc) see 7.3 for details of Tier 1 and Tier 2 in SSHE-106-STD-600 SSHE Incident Management Standard(.
Near Miss	Near Miss is an Incident which potentially could have resulted in actual injury or illness, damage to property, environmental impact or negative impact to company reputation. Note: As a professional judgment and general rule of thumb when determining if an incident is a Near Miss or Property damage, the criteria that Near Miss is an incident where no loss has occurred, should be used.
Non- Conformance	A failure to comply with a requirement of company SSHE Management System (SSHE MS) and/or national and international laws and regulations.
Occupational Illness	Any abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. Occupational illness may be caused by inhalation, absorption, ingestion of, or direct contact with the hazard, as well as exposure to physical and psychological hazards. It will generally result from prolonged or repeated exposure. Examples: back problems/ lower limb disorders, cancer and malignant blood disease, infectious disease (food poisoning, malaria etc.) , mental ill health; noise induced hearing loss, silicosis, asbestosis, allergic bronchitis, asthma, synovitis, tenosynovitis, heat exhaustion, radiation exposure.
Occupational Injury	Any injury such as a cut, fracture, sprain, amputation etc. which results from a work-related activity or from an exposure involving a single incident in the work environment, such as deafness from explosion, one- time chemical exposure, back disorder from a slip/trip, insect or snake bite.
Performing Authority (PA)	The person who applies for a Work Permit, usually the foreman or supervisor responsible for the planning and execution of the work. The Applicant may be the person who will carry out the work.
Permit to Work System (PTW)	The Company's formal documented system by which safe working limits are set for authorized work.

Term	Definition
Procedures	Procedures define steps in identifying SSHE practices within PTTEP. They are specific, actions-orientated and describe processes, in compliance with SSHE Standards. Implementation of Procedure is mandatory.
Road Traffic Accident	An Incident which has involved a vehicle and which has resulted in Injury, illness and/ or damage (loss) to people, assets, the environment or the Company's reputation.
SHE MS Standards	Mandatory requirements to ensure SSHE Policy compliance. Implementation of SSHE MS/Standards is mandatory throughout PTTEP.
Specifications	Specifications refer to PTTEP Internal Engineering Standards, which are incorporated into the PTTEP Engineering and General Specification (PEGS) System.
Spill	Spill is any loss of containment that reaches the environment, irrespective volume of quantity recovered. Examples include but not limited to condensate spill, diesel fuel or oil spill; aviation fuel spill, process chemical spill, and etc. Spill of produced water are excluded. Intentional discharges of drilling cutting and fluids during drilling activities are not considered as pollution/ spill but an accidental release of drilling fluids to the sea must be reported as a spill.
SSHE Policy	The highest level document containing a formal statement of principles that identifies expectations of PTTEP in managing SSHE.
Staff	Staff is a person employed by and on the payroll of the reporting company, including corporate and management personnel specifically involved in E&P industry. Persons employed under short-service contracts are included as Company employees provided they are paid directly by the company.
Supporting documents	Associated documents supporting the implementation of SSHE MS. These documents shall be consistent with SSHE Policy, Standards and Procedures. Example of Supporting Documents includes: SSHE plans, regulations, International and national technical references, minutes of meetings, SSHE risk assessment and monitoring records, etc.
Unsafe Act	An act by personnel or an unsafe condition which violates either written or unwritten common sense safety rules or procedures.
Work Related Activity	A work-related activity is an activity in a work environment, which is or ought to be subject to management controls.
Work Site	Any Company managed construction, maintenance or operating site outside the boundaries of a Production Site. (Includes road tanker operations and Contractors' yards, where such yards have been established specifically to serve the Company.)

Acronyms	Description
5S	Sorting, Setting in Order, Systematic Cleaning, Standardizing, Sustaining
ALARP	As Low As Reasonably Practicable
ECM/N	Engineering
IMS	Incident Management System
JSA	Job Safety Analysis
OLG/M	Material Yard
OTN/W	Well Services
PS1	VP, S1 Production Operations
PS1/L	Manager, Land Acquisition, Permits, and Operations Services Section
PS1/M	Superintendent, Maintenance
PS1/O	Manager, Oil Movement and Transportation
PS1/P	Superintendent, Production
PS1/S	Superintendent, SSHE
PS1/T	Manager, Production Operations Support
PTW	Permit To Work
SSHE	Safety, Security, Health and Environment
SSHE MS	Safety, Security, Health and Environment Management System

REFERENCES

Document Code	Document Title
PTTEP SSHE Controlling Documents	
1038-STD-SSHE-000-R05	SSHE Management System
11038-STD-SSHE-301-R02	Corporate Oversight of SSHE MS Standard
11038-STD-SSHE-401-R06	SSHE Risk Management Standard
11038-STD-SSHE-601-R07	Incident Management Standard
11038-STD-SSHE-501-R05	Emergency and Crisis Management Standard
SSHE-106-PDR-521	Waste Management Procedure
2148-GDL-SSHE-603/00/01-R01	5S (Sorting, Setting in Order, Systematic Cleaning, Standardizing, Sustaining) Guideline
11038-GDL-SSHE-507/00/06-R01	Drugs and Alcohol Guideline
11038-STD-SSHE-508-R06	Management of Change Standard
11038-STD-SSHE-510-R02	Life-Saving and Process Safety Rules Standard
12148-PDR-SSHE-505/42-R00	Permit to Work Procedure
10015-SUP-SSHE-FRM-002-R00	Stop Work Authority (SWA) Exercise
Other Reference Documents	
https://europeanlung.org/	Passive Smoking

REVISION HISTORY

Rev.	Description of Revision
0	Authorized by: DSO, Date: September 2010 ■ New document
1	Authorized by: DSO, Date: May 2014 ■ Revised document
2	Authorized by: DSO, Date: September 2014 ■ Revised document
3	Authorized by: PNO, Date: December 2016 ■ Revised document
4	Authorized by: PS1, Date: September 2021 ■ Revised the current S1 Quality and SSHE Standards. ■ Added the meaning of "SSHE Zero Target Incident". ■ Canceled SSHE work category such as PTW, JSA, Working in Confined Space, Working at High, Security Management which can be easily seen in Corporate and Site SSHE OP, Standard and Guideline. ■ Updated the new SSHE Campaigns and Practices for users such as Life-Saving Rules, Process Safety Rules, Green Office, 5S, SWA Exercise. ■ Added the new topic of Personal Health and Hygiene to prevent the enormous contamination and dangerous virus epidemiology. ■ Added S1 House's Rule such as safety shoes prohibited inside buildings and smoking at company's designated areas. ■ Updated Roles, Responsibilities, Definitions, Acronyms, Abbreviated Departments/Sections and References which are appropriated to current status.



บริษัท ปตท.สผ. สยาม จำกัด

รายงานผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม และมาตรการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม
โครงการพัฒนาแหล่งน้ำมันประดู่เผ่าตอนใต้ ระยะที่ 2 แปลงเอส 1 จังหวัดพิษณุโลก และจังหวัดสุโขทัย
ฉบับเดือนมกราคม - ธันวาคม พ.ศ. 2566

ภาคผนวกที่ 10

เอกสารบันทึกการตรวจสอบสุขภาพประจำปี

รายงานผลการตรวจสอบสุขภาพ

(ข้อมูลส่วนบุคคล ได้รับการคุ้มครองไม่ต้องเปิดเผยตามกฎหมาย)

รายงานผลการตรวจสอบสุขภาพ

(ข้อมูลส่วนบุคคล ได้รับการคุ้มครองไม่ต้องเปิดเผยตามกฎหมาย)