ภาคผนวก ซ

สำเนาเอกสารเกี่ยวกับการจัดการด้านอาชีวอนามัย และความปลอดภัยของโครงการฯ

ภาคผนวก ซ-1

แผนการป้องกัน และระงับเหตุฉุกเฉินของโครงการ

BLCP POWER

BLCP PROCEDURE	BLCP	P	OP	01	015	N

Title: **Emergency Planning and Response (EPR)**

[redacted]

Associated Documents:

เรื่องแผนปฏิบัติการภาวะฉุกเฉินกลุ่มนิคมอุตสาหกรรมและท่าเรืออุตสาหกรรมพื้นที่มาบตาพุด พ.ศ. 2562

BLCP-P-SHE-02-005	Process Safety Management Standard (BLCP)
BLCP-P-SHE-04-001	Actions in Event of a Fire and/or Explosion
BLCP-P-SHE-04-002	Actions in Event of a Medical Emergency
BLCP-P-SHE-04-003	Actions in Event of a Major Leak
BLCP-P-SHE-04-004	Actions in Event of a Serious Storm and/or Flood
BLCP-P-SHE-04-005	Actions in Event of a Bomb Threat
BLCP-P-SHE-04-008	Rescue operations from the cargo hold
BLCP-P-SHE-04-009	Emergency Response Teams
BLCP-P-SHE-04-013	Crisis Management Plan
BLCP-P-SHE-04-014	Management of Environmental Emissions
BLCP-P-SHE-05-004	Action in Event of Industrial Waste Emergency
BLCP-I-OP-01-018	Action in event of an Earthquake or Tsunami
BLCP-I-OP-04-035	Unexpected Suspended Pollution from Bulk Carrier
BLCP-P-EN-12-003	Disaster Recovery Plan

Change History

Rev	Date	Author	Owner	Endorsed By	Authorised By	Modifications/Reason for change	Status
A	22/02/06	PYD	SM	N/A	MD	First Issue	Withdrawn
B	12/03/08	ADU	SM	N/A	MD	Add training content and emergency phone numbers	Withdrawn

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C	19-08-10	ADU	OD	MD	KDs	The issue of BLCP template and new coding (refer to BLCP-P-CS-01-001) Communication with PFSO	Withdrawn
D	30-08-12	ADU	OD	MD	KDs	Revised added DRP and revised appendixes	Withdrawn
E	28-06-13	ADU	OD	MD	KDs	Added all functional head responsibility and areas for improvement after annual emergency response drill level 2.	Withdrawn
F	29/06/15	SST	OD	MD	KDs	Conformed to the Crisis management and communication plan and cancel Chlorine leak alarm	Withdrawn
G	24/06/16	KPS	OD	MD	KDs	ประกาศ กนอ. ที่ ๔๖/๒๕๕๙เรื่องแผนปฏิบัติการภาวะฉุกเฉินในกลุ่มนิคมอุตสาหกรรมพื้นที่มาบตาพุด	Withdrawn
H	28/06/17	ADU	DGM / GM	MD	KDs	Revised 2.0 added scope of PSM to review every year, added BLCP-P-CSER-05-011 Action in event of an industrial waste emergency, 4.0 Responsible person added GM and DMD, ERM able to activate war room and CMT, 5.7 ERM responsibility for none plant, Appendix 1 revised person in ERT and CMT team	Withdrawn
I	25/06/19	ADU	DGM	MD	KDs	Revised, responsibility, section 5 to align with BLCP-P-SHE-04-013 Crisis Management Plan and updated emergency telephone number	Withdrawn
J	25/12/19	ADU	DGM	MD	KDs	Change to annual review to comply with PSM requirement	Withdrawn
K	25/08/20	ADU	GM	MD	KDs	Revised according to the modification of the organisation and updated contact number	Withdrawn
L	24/08/21	PHN	DGM/ GM	MD	KDs	Changed author from DGM to Senior Operations Manager, Revised according to modification of the organisation, updated BLCP-P-SHE-04-002 Actions in the event of a Medical Emergency, and updated appendixes	Withdrawn
M	22/08/22	PHN	DGM/ GM	MD	KDs	- Changed Emergency Response Plan to Emergency Planning and Response - Added definition of abnormal following MPTIE/MTPIP emergency planning and response 2019	Withdrawn

						-Canceled procedure BLCP-P-CSER-05-011 and BLCP-P-SHE-04-006 -Added 4 Responsibilities: virtual war room activation by the shift manager - Changed 5.4 CSERD to Engineering Director - Added 5.11 and 5.12 Monitoring, recovery plan, insurance, and risk assessment - Updated appendix II Emergency Planning and Response Flow Chart -Updated appendix IV ERT team and contact number - Updated appendix VI Emergency Training and Exercises - Canceled Evacuation flow chart	
N	31-10-23	CHC	DGM/ GM	MD	KDs	- Changed Author from Senior Operations Manager to SHE manager - Added 4.0 Responsibilities of BPI & MIS Manager and SM in page 7 - Added 5.2 Reporting of Incident; Manual call point system in page 8 - Added 5.5 General condition in the event of an incident - Added link control and record in the section No.7 - Updated Emergency telephone number - Appendix I Added the designated person to support CSERD - Appendix II Added activate of manual call point	Issued

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1. INTRODUCTION/PURPOSE

This procedure aims to ensure that any emergency occurring at the BLCP Power Station can be dealt with promptly, effectively, systematically, and logically by following approved BLCP Procedures and Instructions by taking immediate action to mitigate the situation and consequences. The primary objective is to stabilise the problem to the maximum extent possible and then notify the appropriate personnel such that the proper people with excellent expertise can rectify the situation.

To achieve this objective, the following conditions must be met:

- Any possible emergency scenario shall be identified and managed with appropriate actions to be taken in a priority order
- An Emergency Response Team (ERT) shall be established, and the authority and responsibility of each member shall be defined clearly (See Appendix I Procedure BLCP-P-SHE-04-009 - Emergency Response Teams)
- All corresponding emergency response procedures, e.g., the station evacuation, reporting of incidents, and action in the event of a fire, shall be readily accessible and communicated to all employees and contractors.
- All equipment and resources required in an emergency must be appropriately sourced, maintained, inspected, and tested regularly to ensure maximum availability. These activities shall be documented and audited.
- Both routine and unexpected (not publicised) emergency exercises must be carried out at regular intervals to test employees' awareness and maintain the competency of all Emergency Response Teams.
- Incident reports, drill and emergency exercise reports, and any suggestions should be reviewed periodically by the owners of the systems. Good recommendations should be used as a reference to amending emergency procedures.

BLCP-P-SHE-04-013 The Crisis Management Plan provides umbrella support for the personnel combating an emergency. The crisis management team focuses on communicating the appropriate information for their positions with external stakeholders. Communication with the emergency response team is through the Emergency Commander to simplify communications and minimise miscommunication.

2. SCOPE

This procedure applies to the BLCP Power Station and describes the proper actions to discover and report an emergency, including the Process Safety Management (PSM) program. This procedure also specifies the responsibilities of the parties involved.

The Emergency Planning and Response covers the following events which would be considered an emergency:

- A fire or explosion.
- A medical emergency involving the potential loss of life or a crisis that could result in permanent disability.

- Large leaks of gases, fuel oil, steam, water, flue gas, etc., at the BLCP Power Station and the neighbouring facilities.
- Natural disasters such as flooding, storms, earthquakes, or tsunamis threaten lives or plant equipment.
- A bomb threat or the discovery of suspicious objects.
- The large or small spill of oil, chemicals, **and** hazardous material, either in the power plant or around the coal pier and Map Ta Phut harbour.
- Demonstrations by non-government organisations or the community, protests, and terrorism.
- Coal Ship collision
- Pandemic from disease outbreaks such as Virus EBOLA, Virus MERS, Avian Influenza, Yellow fever, and the Coronavirus disease 2019 (COVID-19)
- Cyberattacks and technology disruptions
- Industrial waste emergency and
- Any other accident or incident likely to endanger life, environment, or plant equipment

3. DEFINITION

Emergency/ Incident	sudden, generally unexpected occurrence or set of circumstances demanding immediate action that, without effort, could lead to severe and fatal injuries or significant damage to the power plant or the environment
COVID-19	Coronavirus disease 2019 (COVID-19) is a contagious disease caused by severe acute respiratory syndrome coronavirus (SARS-CoV-2)

4. RESPONSIBILITIES

- Managing Director (MD), General Manager (GM), or Deputy General Manager (DGM) is responsible for ensuring the effective implementation of and compliance with this procedure is undertaken.
- Operations Director (OD) is responsible for ensuring this procedure is reviewed regularly and reviewed to reflect the associated practices or requirements changes, providing the monthly emergency response drill and yearly emergency drill completed, and continual improvement.
- Engineering Director (ED) is responsible for ensuring that a representative from the engineering department has sufficient competence to support the ERT team, promptly practice with the ERT team, and recover the plant to resume regular operation.
- The Corporate Services and External Relations Director (CSERD) ensures that staff promptly supports the ERT team and fully understands their role and responsibility.
- All Functional Heads ensure that staff promptly supports the ERT team, understands their role and responsibility, and swiftly takes role and responsibility for support.

- Senior Operations, Safety, Health and Environment, Shift, and Asst. Material Handling Operations managers are responsible for practising the monthly and yearly emergency drills to be performed effectively to cover all areas required by Thai regulations and provide good practice for team safety.
- The Managing Director of BLCP or delegated person or ERM has the authority to establish the Crisis Management Team (CMT) for a crisis related to the operation and maintenance of the power plant and external parties such as agencies non-government as protests or unauthorised entry onto the site.
- The Assistant Corporate Communications Manager is responsible for supporting ERM to ensure that communication processes have been taken effectively.
- The Government Relations Specialist is responsible for supporting ERM to ensure that public affairs processes for government agencies have been taken effectively.
- The Community Relations Manager is responsible for communicating with the community nearby the BLCP Power Station, have been taken effectively.
- The Assistant Environment Manager is responsible for supporting ERM to ensure that all activities during emergencies are manageable and have minimally impacted the environment and advise the ERT team of any compliances that may be caused.
- All employees and contractors must alert other people and report any emergency they discover to the Main Plant Central Control Room (CCR).
- Port Security Facility Officer (PFSO) or Deputy PFSO ensures effective communication and coordination with relevant parties and compliance with the ISPS Code.
- BPI and MIS Manager act as Disaster Recovery Coordinator (CO) responsible for coordinating and managing all aspects of the information and Technology management system. The computer system is effectively recovering from the disaster and evacuation to and from the CO site data centre. Additionally, they ensure that all IT equipment is kept current and promptly provided to the ECC in War Room 301 Admin Room, KSEC Building, and other designated areas.
- All non-emergency response team employees who are not assigned and trained to be a member of Emergency Response Teams (ERT) are obligated to strictly follow the instruction given by the Emergency Response Manager (ERM) independent of the seniority of the personnel involved.

In case of an emergency, senior management could not be contacted. The Shift Manager (SM) or Assistant Shift Manager (ASM) is authorised to activate the Crisis Management Team (CMT) or establish the War Room. This allows for the prompt activation of the physical War Room (such as the 301 Admin room, KSEC Building, or other designated areas), on-site and online, through the Microsoft Teams (MS-Team) program, to effectively address the current situation.

5. PROCEDURE

This procedure is intended to guide employees of the BLCP Power Station in the Emergency Planning and Response (EPR) requirements. This procedure covers associated documents within the Process Safety Management (PSM)

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5.1. Abnormal and Severity **Levels**

There are classified into one abnormal and three severity levels as below.

Abnormal: Incurred incident due to plant activity and affected by misunderstanding and or nuisance to interested parties or reputation of IEAT such as air, water emission and noise from abnormal conditions or forced shutdown(outage).

Level 1: A minor incident that the company can control and manage without outside intervention.

Level 2: A significant incident the company cannot control and manage requires assistance from neighbouring facilities.

Level 3: A catastrophic incident that the company and neighbouring facilities cannot control or manage, requiring additional local or other provincial resources.

Actions taken under each severity level are described in Appendix II – Emergency Planning and Response Flow Chart. Emergency Director (ED) will be mobilised to EMCC or Emergency Control Center (ECC).

5.2 Reporting of Incident

5.2.1 Any person becoming aware of an emergency or a situation that is likely to develop into an emergency shall immediately alert Operations Personnel by:

Reporting the emergency to the Main Plant Central Control Room (CCR)

a) Phone calls through Emergency Phones No. **8555 direct line 038-918555.**
b) Trunk Radio **channel 3**
c) Paging system
d) Manual call point system

The person reporting the emergency should provide as much detailed information as possible such as:

i. Location and nature of the crisis.
ii. Some persons were injured, if any.
iii. Type of injury.
iv. Name of the person making the report.
v. Telephone number used.
vi. Chronology of event

5.2.2 In case of injured people during the incident, ERM will immediately inform the Operations Director, the Corporate Services and External Relations Director, and the Safety Health and Environment Manager and announce 1669. They will then facilitate and arrange for appropriate staff to manage the situation, supporting the Emergency Response Team (ERT) .

a) Human Resources Manager is responsible for taking care of employees and contractors at the hospital and carefully contacting employees relative to injured staff.

b) Corporate Support Manager is responsible for informing any contractor's coordinator notify the condition of the contractor who gets injured.

5.2.3 In all cases, follow instructions in the appropriate procedures such as those below:

BLCP-P-SHE-02-005 Process Safety Management Standard (BLCP)
BLCP-P-SHE-04-001 Actions in the Event of a Fire and Explosion
BLCP-P-SHE-04-002 Actions in the Event of a Medical Emergency
BLCP-P-SHE-04-003 Actions in the Event of a Major Leak
BLCP-P-SHE-04-004 Actions in the Event of a Serious Storm and Flood
BLCP-P-SHE-04-005 Actions in the Event of a Bomb Threat
BLCP-P-SHE-04-008 Rescue operations from the cargo hold
BLCP-P-SHE-04-009 Emergency Response Teams
BLCP-P-SHE-04-013 Crisis Management Plan
BLCP-P-SHE-04-014 Management of Environmental Emissions
BLCP-P-EN-12-003 Disaster Recovery Plan
BLCP-P-SHE-05-004 Action in the Event of Industrial Waste Emergency
BLCP-I-OP-01-018 Action in the event of an Earthquake or Tsunami
BLCP-I-OP-04-035 Unexpected Suspended Pollution from Bulk Carrier

5.3 Actions Taken Following Receipt of an Emergency Call

If an emergency is likely to occur, an ERT will be assembled, and the CCR is assumed as the Emergency Control Centre (ECC). If the crisis threatens the Central Control Room (CCR), a standby ECC will be set up in the Administration Building meeting room or as otherwise announced by the Emergency Response Manager (ERM).

- The CCR is the focal point for emergency calls and is the ECC until relieved of this duty. The ECC shall be equipped with items listed following to BLCP-P-SHE-04-013 Crisis Management Plan.
- The Assistant Corporate Communications Manager and Corporate Support Manager are responsible for maintaining the items following to BLCP-P-SHE-04-013 Crisis Management Plan in proper working order. They will ensure that all manuals, procedures, and telephone directories are kept current and promptly provided to the ECC.

When a call is received giving information regarding an emergency, the duty Shift Manager (SM) or Assistant Shift Manager (ASM) must be informed immediately and shall return to the main plant CCR to assume the duty of Emergency Response Manager (ERM) as soon as possible. The ERM should quickly and efficiently assess the situation and take the appropriate action detailed in Appendix III – Emergency Event Response List.

The report shall be given to MTP Industrial Port and EMCC within **10** minutes of event occurrence for emergency level 1 and immediately inform MTP Industrial Port and EMCC for emergency levels 2 and 3 using the report form as per Appendix VII.

According to the IEAT announcement, "แผนปฏิบัติการภาวะฉุกเฉินกลุ่มนิคมอุตสาหกรรมและท่าเรืออุตสาหกรรมพื้นที่มาบตาพุด พ.ศ. 2562" Other communications should be performed according to Appendix VII.

Site access will be halted except for emergency service vehicles or personnel assisting.

The Emergency Response Team (ERT) will be alerted and assembled at the ECC or designated staging area, ready to take the necessary actions as instructed by the ERM. Upon arrival at ECC, the Operations Director shall also be alerted and take up the Emergency Commander (EC) position. The primary responsibility of the EC is to ensure that the ERM is effectively managing the situation and providing assistance as necessary. The EC or ERM will take primary responsibility for determining necessary external resources and communicating with the external parties as necessary. The EC or ERM will interact with the Emergency Director (ED) to coordinate communications with external parties directly or through the Crisis Management Team. The emergency Director (ED) will be mobilised to EMCC or Emergency Control Center in emergency level 3.

The ERM will be based in the ECC and assign an On-Scene Commander (OC) to immediately evaluate the incident scene and give the ERM assessment of the situation and advice if external emergency resources are required. He will then take immediate action to secure the safety of people, the environment, and plants and to eliminate or limit the extent of the damage to other ERT members.

Once the nature and severity of the emergency have been assessed, the ERM will instruct the ERT on what action to take. The On-Scene Commander (OC) will remain at the incident site, communicating developments to the ECC.

5.4 Actions to be taken by the Emergency Response Manager

The ERM's primary responsibility is stabilising the situation quickly so that the appropriate resources can take measured actions. In stabilising the environment, the overriding objective is the safety of personnel above that of equipment. Once a preliminary assessment of the situation has been made, the ERM should direct communication with the appropriate parties, both internal to the BLCP Power Station staff, as well as with external resources such as the neighbouring facilities, the Industrial Estate Authority of Thailand, MTP Industrial Port, medical services, fire services, security services such as the police, etc. specific details on are given in Appendix IV – Emergency Telephone Numbers.

After the nature of the emergency has been identified, the ERM must:

- Follow the appropriate BLCP Instructions wherever they apply.
- After receiving the initial site assessment from the On-Scene Commander, discuss with him to take appropriate actions to deal with the possible development of the incident. For example, ensure that the water main is pressurised, the ERT is standing by for immediate action when there is a fire risk, access to the site is suitably controlled, access by external emergency vehicles is not hampered, etc.
- Immediately inform the PFSO if the incident occurs at the BLCP coal terminal or adjacent to the BLCP coal terminal, affecting port security. ERM should immediately notify PFSO or Deputy PFSO to coordinate with relevant parties effectively
- Immediately inform the EC or Engineering Director on duty if a disaster event at the BLCP administration building could affect the computer system, application, and data files. ERM should immediately inform EC or Engineering Director on duty to implement the disaster recovery plan effectively.
- Based on the severity of the incident, the ERM will decide whether it is necessary to inform the following:

- BLCP Emergency Response Team. It should be emphasised that they should be notified to be on alert and asked for help because they can muster their established emergency teams to respond to the incident much quicker than the external emergency services groups,
- External emergency services require support.
- Inform Assistant Corporate Communications Manager, and Corporate Services & External Relations Director and advise on information to the public. Assistant Corporate Communications Manager and Corporate Services & External Relations Director shall always be informed when external emergency services are being alerted and whenever the emergency can be expected to produce indications visible from off-site.
- Invoke the Crisis Management Team (CMT) according to the BLCP-P-SHE-04-013 Crisis Management Plan if necessary; the ED should take or advise this decision.
- In case of an emergency, senior management could not contact. The Shift Manager or the Assistant Shift Manager can activate CMT or establish the war room.

- According to the severity levels of the incident, as defined in Section 5.1, the ERM may decide whether it is necessary to inform:
  - The Mutual Aid Coordinator (MC) (who usually shall be the Safety Health and Environment Manager) and discuss with him the necessity of calling inappropriate support teams and other specialist staff as necessary. In this case, ERM shall also contact the Operations Director to avoid any delay or confusion. Refer to Appendix II for the "Emergency Planning and Response Flow Chart."
- In case external assistance is required and requested, the ERM shall
  - Instruct Security personnel at the gatehouse to standby for the arrival of external assistance and prepare to guide them to the scene. (Site maps should also be available for distribution to external resources to understand where assistance is required.)
  - If insufficient guards are available, the ERM shall send personnel to the gate to assist and guide external resources to the appropriate locations.
- At the ERM's discretion, some staff in Safety, Health and Environment (SHE), and Engineering (ENG) may be asked to assist with normal operations in the CCR or concerning the power plant area for the activities they have been suitably trained.
- If the ERM decides to restrict access to the site further or a general evacuation is necessary, Security Guards, equipped with radios, shall set up a traffic control command post at the Security guardhouse to ensure access to public emergency vehicles to the site is not hampered. The safety and Security Engineer shall ensure that the traffic control command post guard owns the up-date emergency essential personnel list. He will also ensure that all emergency key personnel can gain admittance to the site during an emergency.
- Under the direction of its ERM, the ERT will take control of the situation until the arrival of the external emergency services if called for. External efforts will be coordinated through the Mutual Aid Coordinator (MC) upon the arrival of external

emergency services. ERM will continue assisting and advising the external emergency services using ERT resources.

- Ensure that incidents threatening the security of the electricity supply, potential loss of generation, etc., are reported to National Control Center (NCC) without delay.
- Compile a chronological list of events during the incident for control and report.
- Coordinate the necessary communication with staff and off-site bodies, including appropriate internal Departments, Government Departments, etc. Specific detail is given in Appendix I – Emergency Response Team (ERP) and Crisis Communication Leader Team (CLT) and Appendix II – Emergency Planning and Response Flow Chart.
- Activate the muster point siren pushbutton at Common Auxiliary Panel (CAP)if the situation dictates that the evacuation of the power plant is required (2nd severity Level)
- Notify Managing Director, General Manager, Deputy General Manager, Operations Director, Engineering Director, Corporate Services and External Relations Director, Finance and Accounting Director, and the Crisis Management Team, if established, for any incident involving fires, injury to any personnel, environmental impact, or equipment damage, etc.
- The ERM is responsible for issuing an "All Clear" signal by pressing the all-clear pushbutton at Common Auxiliary Panel (CAP) in CCR and approving re-entry when the emergency has been cleared and the workplace is safe to enter.

5.5 General Conditions in the Event of an Incident

- All staff of BLCP are responsible for the safety of their contractors and visitors and will ensure that the contractors and visitors,
  - Remain under their control during an emergency, and
  - Comply with the requirements of the appropriate BLCP Procedures and Instructions.
- No one shall enter the ECC unless they are a member of the ERT, have been requested to enter by an ERT member and approved by the ERM, or have important information about the emergency.
- All personnel shall stay away from the affected area unless requested to assist. Personnel should report to designated areas waiting to help as required. The senior person present will appoint himself responsible, take inventory of the number of people and skills available, and report this information to the ECC.

5.6 Crisis Management

If the incident is so severe as to be defined as a crisis, General Manager, Deputy General Manager, Operations Director, Engineering Director, Finance & Accounting Director, and Corporate Services & External Relations Director will communicate with the Managing Director. It is necessary to inform external parties, including shareholders, as appropriate after consultation. Following the Crisis Management Plan, the Managing Director or the Backup person/ delegated person will establish the Crisis Management Team and follow with BLCP-P-SHE-04-013 Crisis Management Plan.

5.7 Public relations and media response

All comments on emergencies to the Media are the responsibility of the Crisis Management Team (CMT) is established. Therefore, one of the first notifications of an Emergency or Incident will be to the Crisis Management Team, who will provide the necessary resources as appropriate.

All media inquiries must be referred to Corporate Services and External Relations immediately. The ED shall provide the required information to the Corporate Services and External Relations Director or Crisis Communication Leader Team to provide information and status updates to external stakeholders and shareholders.

All other personnel shall not respond to media questions about an emergency. Should media representatives appear at any access gates, they shall be directed to the media room (Kiang Saket Energy Center or SHE Training room) to await the Crisis Management Team (CMT).

It shall be noted that a careless answer to the news media can destroy public confidence and exacerbate the emergency.

Where injuries or fatalities have occurred, No details of the victim's identity or status will be released to the media until the next of kin has been notified by the Managing Director or other delegate.

5.8 Incident Investigation and Reporting

Specific details for a Plant base incident are given in BLCP-P-SHE-03-015 – Incident Investigation and Reporting. The incident investigation will be initiated following the appropriate procedure.

The Safety Health and Environment Manager shall coordinate the investigation and the resulting correction action following the incident reporting procedure after the emergency or incident or after a significant drill. The findings will be distributed to all personnel through training or announcements to incorporate lessons learned in procedures, training requirements, new equipment, etc.

5.9 Emergency Exercises

All personnel working in the BLCP Power Station must be trained. The type of training will depend on the individual's work location and job. The SHE training matrix will contain the training requirements for BLCP staff. The training requirements and emergency exercises are described in Appendix VII – IEAT Emergency response plan and Communication.

The emergency exercises will be conducted monthly and yearly to cover all shift operation teams and relevant parties.

5.10 Warning sirens and lights

There are two different types of alarms being issued in case of emergencies:

Muster point Tone "Siren" and flashing light in the local area.

All Clear Steady Tone for 15 seconds followed by Paging Announcement by CCR

The sirens and paging announcement will be tested every Thursday at 10:00 hrs.

5.11 Emergency Situation Monitoring and Recovery Plan

Since ERM announces the "All Clear" signal. The emergencies have been settled and controllable. The emergency should be kept monitoring at least 24 hours for ensuring the situation would not re-occurrence or cause risk to people, assets, or the environmental impact. Emergency Director (ED) or Emergency Commander (EC) will be responsible for assigning the team to monitor the emergency.

5.12 Re-evaluate the risk assessment and insurance relevant to the emergency

The risk area owner will re-evaluate the plant risk assessment to update the risk rating score and provide further mitigation plans or additional control measures to prevent the incident that would be happening again in the future. If applicable, the details of personal injury or equipment damage will be communicated to the insurer company for proceeding with the claim process.

6. TRAINING

The author of this procedure is responsible for providing the instruction and guidance in implementing this BLCP Procedure.

The Safety Health and Environment Manager ensures that the ERT team and the accountable person receive training on this plan and refresher training afterwards.

Any training records will be submitted to HR, and copies of training records shall be kept in the BLCP Filing System.

7. CONTROL OF RECORDS

All records covered within this BLCP instruction provide evidence of the ongoing operation and should be appropriately organised and managed.

They must be available for scrutiny and audit.

This instruction will be kept at the link below;
http://portal/600/Working/601OperationPolicyprocedureinstructionandForm

8. REVIEW AND AUDIT

BLCP procedures which associated with the process safety management system (PSM). It will be reviewed annually under BLCP-P-SHE-02-012 – Process Safety Management Compliance Audits (CA) requirements unless needed before the planned review date.

Any inaccuracies or omissions in this procedure should be notified to the procedure owner immediately.

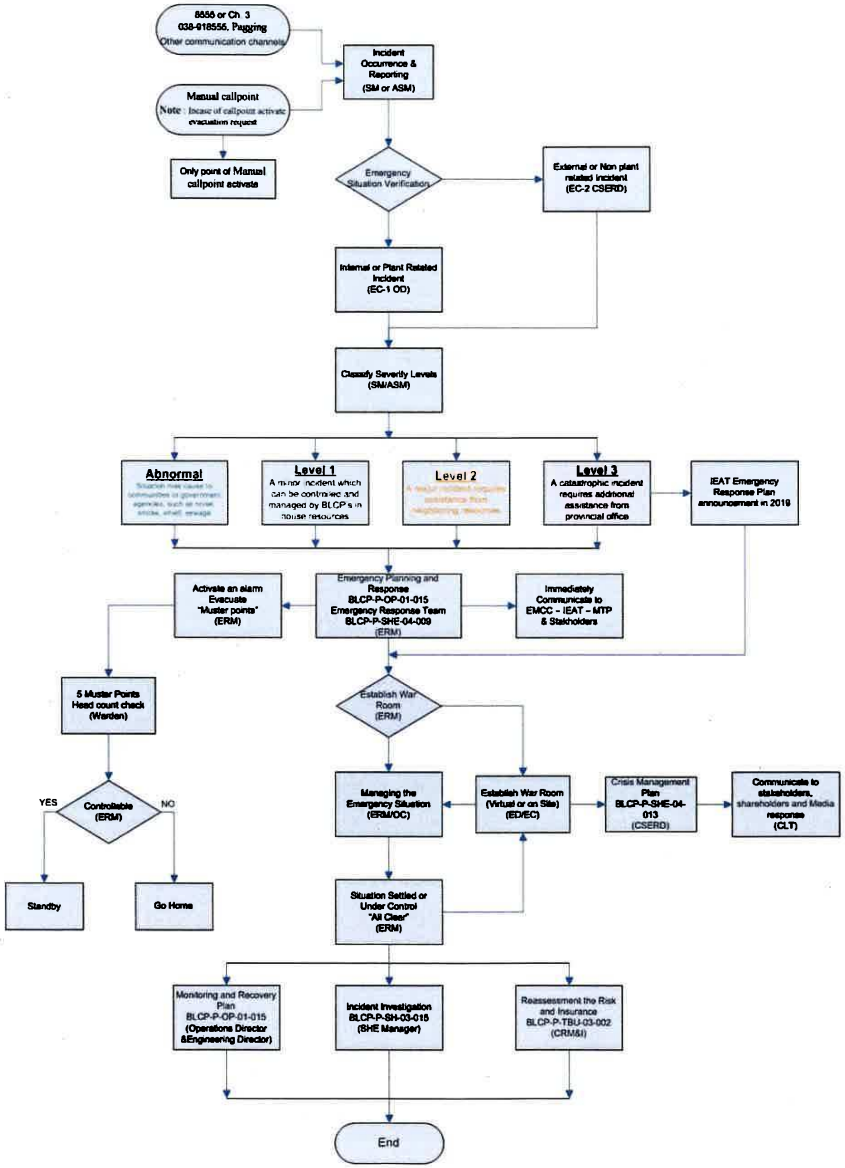
Appendix I Emergency Response Teams (ERT) and Crisis Communication Leader Team (CLT)

Emergency Response Team – Manning

EPR Position	On Shift Manning	Responsible person	Backup person
Emergency Director		Managing Director	General Manager or Deputy General Manager
Emergency Commander (EC1) – Plant or (EC2) non-plant		Operation Directors / or Corporate Services & External Relations Director	Engineering Director or Designated Person
Emergency Response Manager (ERM)	Shift Manager	Shift Manager	Asst. Shift Manager
On-Scene Commander (OC)	Assistant Shift Manager	Asst. Shift Manager	Process Engineer
Mutual Aid Coordinator (MC)	Head Security Guard	Safety Health and Environment Manager	Safety and Security Engineer
Fire Chief (FC)	Assistant Unit Operator	Assistant Unit Operator	Assistant Unit Operator / Material Handling Operation Supervisor
Fire Fighting Team (FT)	Main Plant and Material Handling Operators	Main Plant and Material Handling Operators	Day time and the day off Main Plant, Material Handling Operators, and trained Engineering staff
Rescue Team (RT)	Main Plant and Material Handling Operators	Main Plant and Material Handling Operators	Day time and the day off Main Plant and Material Handling Operators and trained Engineering Staff
Firefighting Supporting Team (FST)	N/A	Engineering staff	Engineering Staff
Security Team (ST)	Security Supervisor	Safety and Security Engineer	Site Security Coordinator
Warden Team (WT)	Security Supervisor	Safety and Health Engineer	Safety Officer
First Aids Team (FAT)	Assigned First Aid persons	Assigned First Aid persons / Nurse	Trained Engineering staff

Appendix II Emergency Planning and Response Flow Chart

Emergency Planning and Response Flow Chart



Appendix III Emergency Events Response list.

Emergency Event Response List

No	Event	Remark
1	Community protest	**BLCP-P-SHE-04-013 – Crisis Management Plan**
2	Unauthorised Entry • NGO • Greenpeace • Terrorist	BLCP-P-SHE-04-013 – Crisis Management Plan BLCP-P-OP-01-015 – Emergency planning and response BLCP-P-SHE-04-010 – Actions to be taken in response to Unauthorised Entry
3	Fire and/or Explosion	**BLCP-P-OP-01-015 – Emergency planning and response** **BLCP-P-SHE-04-001 – Actions in Event of a Fire and or Explosion** **BLCP-P-EN-12-003— Disaster Recovery Plan**
4	Medical Emergency	BLCP-P-OP-01-015 – Emergency planning and response BLCP-P-SHE-04-002 – Actions in Event of a Medical Emergency
5	Major Leak/spill • Gas • fuel oil • steam • water	**BLCP-P-OP-01-015 – Emergency planning and response** **BLCP-P-SHE-04-003 – Actions in Event of a Major Leak**
6	Serious Situation • Storm • Flood contingency • Earthquake or Tsunami	BLCP-P-OP-01-015 – Emergency planning and response BLCP-P-SHE-04-004 – Actions in Event of a Serious Storm and or Flood BLCP-P-EN-12-003— Disaster Recovery Plan BLCP-P-OP-01-018 – Action in the event of an Earthquake or Tsunami

No	Event	Remark
7	Bomb Threat or Discovery of a Suspicious object	**BLCP-P-OP-01-015 – Emergency planning and response** **BLCP-P-SHE-04-005 – Actions in Event of a Bomb Threat or Discovery of a Suspicious Object**
8	Oil or Chemical Spill	**BLCP-P-OP-01-015 – Emergency planning and response**
9	Industrial waste / Ash / Bottom ash	**BLCP-P-SHE-05-004 Action in Event of Industrial Waste Emergency**
10	Rescue operations from the cargo hold	**BLCP-P-OP-01-015 – Emergency planning and response** **BLCP-P-SHE-04-008 – Rescue operations from the cargo hold**

Appendix IV Emergency Telephone list.

Emergency Telephone Numbers

The Safety Health and Environment is responsible for obtaining and updating a list of applicable local and national government contacts this list is updated semi-annually or when changed.

[redacted]

[redacted]

[redacted]

Latest updated 5/8/2023

Appendix VI Emergency Training and Exercises drill

COURSE	DURATION	LOCATION	RECOMMENDED FOR	FREQUENCY
Internal training course				
EPR and CMP	1 day	In house	ERT and CLT	Every year
External training course				
Basic Fire Fighting	1 day	In house	New Operators, Engineer, SH dept., members of the Emergency Support Team 40 % of department personnel as minimum	-
Technical Fire Fighting	2 days	In-house / Local	Fire Fighting Team	Every 2 years
Advance Fire Fighting	2 days	In-house / Local	All new SM/ASM And MHO shift supervisor as OC and FC	Every 3 years
Fire Commander	2 days	In-house / Local	All new SM/ASM as ERM and OC	Every 3 years
Chemical Spill	2 days	In-house / Local	ERT team and Hazardous Material Control Team (HazMat)	Every 3 years

[redacted]

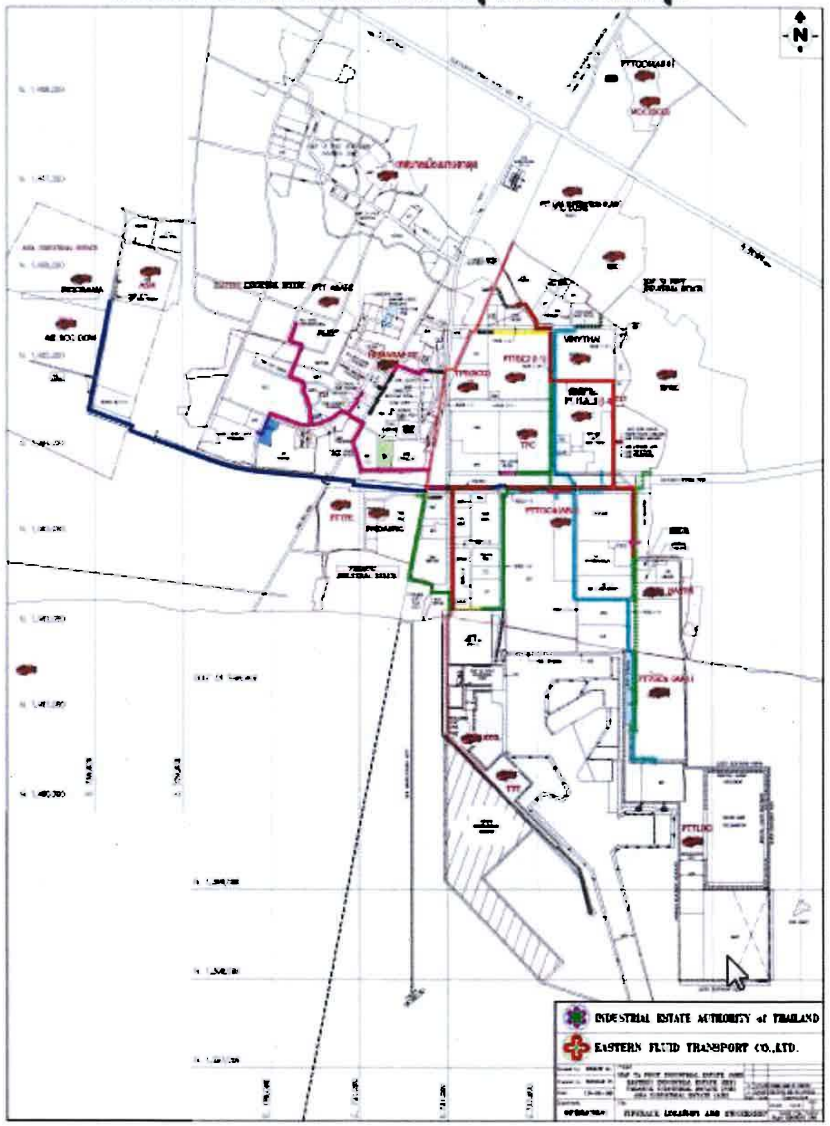
Rescue	2 days	In-house / Local	Rescue Team	Every 3 years
Level 1 emergency drill	1 hour	In-house / Local	ERT	Monthly
Level 2 or 3 emergency drill	2 hours	In-house / Local	ERT / Rayong Province	Yearly

Appendix VII IEAT-Emergency planning and response and Communication

กลุ่มชุมชนเป้าหมายและโรงงานผู้นำกลุ่ม

ชุมชนกลุ่มเป้าหมาย	โรงงานผู้นำกลุ่ม
- ชุมชนตากวน-อ่าวประดู่+วัดตากวน+รร.วัดตากวน - ชุมชนหนองน้ำเย็น - ชุมชนคลองน้ำหู - ชุมชนเกาะกก - ชุมชนเกาะกก-หนองแตงเม - ชุมชนกรอกยายชา+วัดกรอกยายชา+รร.วัดกรอกยายชา - กลุ่มประมงเรือเล็กปากคลองตากวน - กลุ่มประมงเรือเล็กตากวนอ่าวประดู่ - กลุ่มประมงเรือเล็กหาดแสงเงิน - กลุ่มประมงเรือเล็กหาดสุชาดา	Zone: G นิคมฯ มาบตาพุด + ท่าเรือ (I-7/I-8) - บ. บีแอลซีพี เพาเวอร์ จำกัด - บ. บางกอกเซนติติก (BST) - บ. สไตโรลูชั่น (ชื่อเดิม INEOS) - บ. โครเวสโตร (Covestro)ชื่อเดิม บ.ไบเออร์ (BAYER) - บ. ทีพีที ปิโตรเคมิคอล (TPT) - บ. อินโดรามา โพลิเอสเตอร์ อินดัสตรี (IRPL) - บ. พีทีที โกลบอลเคมิคอล (PTTGC6) - บ. พีทีที แอลเอ็นจี (PTTLNG) - บ. มาบตาพุดแทังค์ (MTT-SCG) - บ. ระยองเทอร์มินอลแทังค์ (RTC-SCG) - บ. แอริลิควิด (ALT) - บ. GPSC ชื่อเดิม บ.โกลว์ (GLOW) - บ. เหล็กก่อสร้างสยาม - บ. สยามแผ่นเหล็กวิลาส - บ. ไทยแท้งค์เทอมินัล - บ. ไทยชินกง

แผนที่แสดงสถานีดับเพลิง ในพื้นที่นิคมอุตสาหกรรมมาบตาพุด

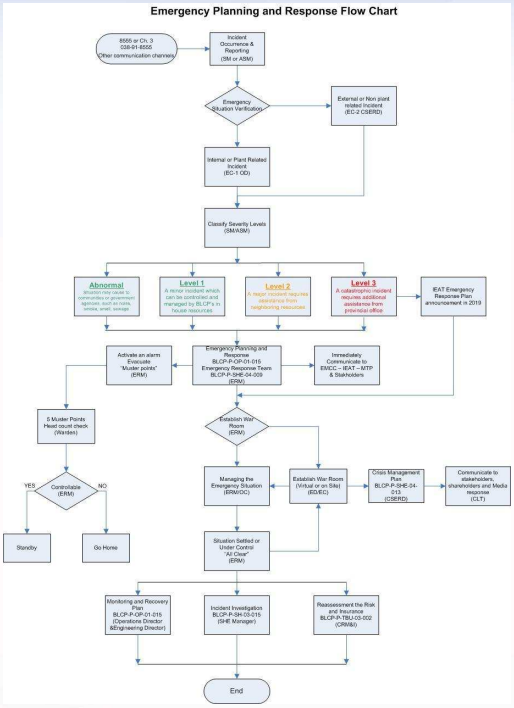


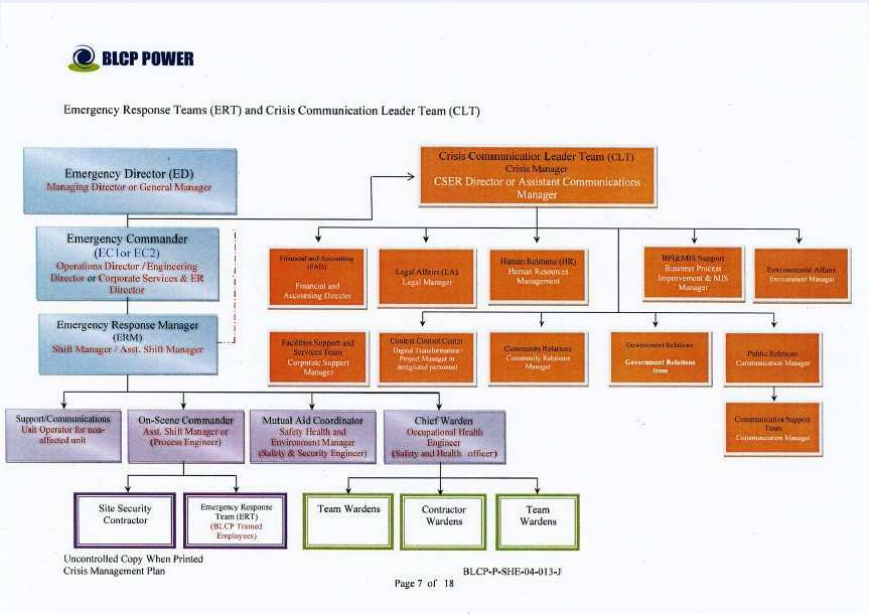
ภาคผนวก ซ-2

ตัวอย่างการฝึกซ้อมแผนฉุกเฉินของโครงการ
ระหว่างเดือนกรกฎาคม – ธันวาคม พ.ศ. 2566

การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน ประจำปี 2566 กรกฎาคม – ธันวาคม

แผนผังการตอบโต้ภาวะฉุกเฉินและทีมตอบโต้ภาวะฉุกเฉิน



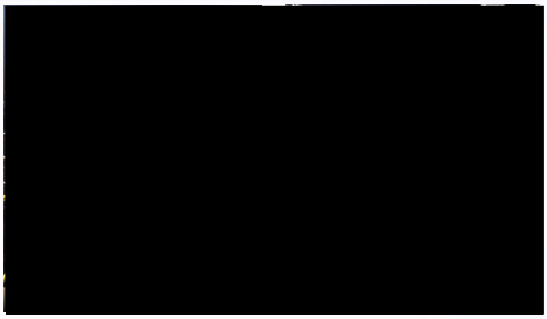


การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน ประจำปี 2566

เดือน	สถานการณ์	ประเภทการซ้อม	สถานที่	ผู้เข้าร่วมฝึก	จำนวนการซ้อม
กรกฎาคม	ไฟไหม้อาคารลำเลียงถ่ายหิน A	ไฟไหม้และอพยพ	อาคารลำเลียงถ่ายหิน A	24/7	5
	จับตัวประกันที่ท่าเรือ	จับตัวประกัน	ท่าเรือ	24/7, MHO	5
สิงหาคม	ไฟไหม้อาคารจัดเก็บสารเคมี	ไฟไหม้	อาคารจัดเก็บสารเคมี	24/7, MHO	5
	สารเคมีรั่วไหล	สารเคมีรั่วไหล	CCB	24/7, MHO	5
กันยายน	Coal firing after the unit tripped from jellyfish attacking	ไฟไหม้	Boiler	24/7	5
	ช่วยเหลือผู้รับเหมาได้รับบาดเจ็บจากการทำงานบนที่สูง	การช่วยเหลือ	สายพานลำเลียงถ่านหิน	24/7, MHO	5

การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน เดือน กรกฎาคม






ไฟไหม้อาคารลำเลียงถ่ายหิน A

จับตัวประกันที่ท่าเรือ

การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน เดือน สิงหาคม



ไฟไหม้อาคารจัดเก็บสารเคมี

สารเคมีรั่วไหล

การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน เดือน กันยายน



Coal firing after the unit tripped from jellyfish attacking

ช่วยเหลือผู้รับเหมาได้รับบาดเจ็บจากการทำงานบนที่สูง

การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน ประจำปี 2566

เดือน	สถานการณ์	ประเภทการซ้อม	สถานที่	ผู้เข้าร่วมฝึก	จำนวนการซ้อม
ตุลาคม	H2 exploded at H2 gas dryer	ระเบิด	Turbine	24/7, MHO	5
	BFPT-A lubricating oil leak	ไฟไหม้	Turbine	24/7	5
พฤศจิกายน	ไฟไหม้ Coal Bunker	ไฟไหม้	Coal Bunker	24/7, MHO	5
	ช่วยเหลือผู้รับเหมาเป็นลมในปล่องไฟ	การช่วยเหลือ	Chimney	24/7	5
ธันวาคม	ถ่านหินตกทะเล	การเก็บกู้ถ่านหิน	ทำเรือ	24/7	5
	ไฟไหม้ที่หลังคาอาคาร ESP	ไฟไหม้	ESP	24/7, MHO	5
	ไฟไหม้ถังน้ำมัน	ไฟไหม้	ถังเก็บน้ำมัน	24/7, MHO	1

การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน เดือน ตุลาคม



BFPT-A lubricating oil leak

H2 exploded at H2 gas dryer

การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน เดือน พฤศจิกายน



ไฟไหม้ Coal Bunker

ช่วยเหลือผู้รับเหมาเป็นลมในปล่องไฟ

การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน เดือน ธันวาคม



ถ่านหินตกทะเล







ไฟไหม้ที่หลังคาอาคาร ESP

การฝึกซ้อมการตอบโต้ภาวะฉุกเฉิน เดือน ธันวาคม







ไฟไหม้ถังน้ำมัน



ประมวลภาพ

การฝึกซ้อมดับเพลิงและอพยพหนีไฟประจำปี 2566



ได้รับแจ้งเหตุเพลิงไหม้จากเจ้าหน้าที่รักษาความปลอดภัย

[redacted]

เจ้าหน้าที่ที่พบเหตุกดสัญญาณ Manual call point เพื่อแจ้งเตือนคนในพื้นที่และ CCR

ประมวลภาพ

การฝึกซ้อมดับเพลิงและอพยพหนีไฟประจำปี 2566

[redacted]

ประมวลภาพ

การฝึกซ้อมดับเพลิงและอพยพหนีไฟประจำปี 2566

[redacted]

ประมวลภาพ

การฝึกซ้อมดับเพลิงและอพยพหนีไฟประจำปี 2566

[redacted]

ประมวลภาพ

การฝึกซ้อมดับเพลิงและอพยพหนีไฟประจำปี **2566**

ประมวลภาพ

การฝึกซ้อมดับเพลิงและอพยพหนีไฟประจำปี **2566**



ประมวลภาพ

การฝึกซ้อมดับเพลิงและอพยพหนีไฟประจำปี **2566**



รถดับเพลิง NPC-SE และ ดับเพลิงเทศบาลมาบตาพุด เข้าพื้นที่เข้าดับเพลิง

BLCP POWER

BLCP-SHE-2023-0084

วันที่ 18 กรกฎาคม 2566

เรื่อง นำส่งรายงานผลการฝึกซ้อมดับเพลิงและอพยพหนีไฟประจำปี 2566

เรียน กรมสวัสดิการและคุ้มครองแรงงาน จังหวัดระยอง

สิ่งที่ส่งมาด้วย

1. หนังสือให้ความเห็นชอบการฝึกซ้อมดับเพลิงและอพยพหนีไฟประจำปี 2566
2. ผลการฝึกซ้อมและอพยพหนีไฟประจำปี 2566 บริษัท บีแอลซีพี เพาเวอร์ จำกัด

ด้วย **บริษัท บีแอลซีพี เพาเวอร์ จำกัด** ได้ดำเนินการฝึกซ้อมดับเพลิงและอพยพหนีไฟ เพื่อให้เป็นไปตามกฎกระทรวง เรื่องกำหนดมาตรฐานในการบริหารจัดการและดำเนินการด้านความปลอดภัยอาชีวอนามัยและสภาพแวดล้อมในการทำงาน เกี่ยวกับการป้องกันและระงับอัคคีภัย พ.ศ. 2555 ข้อ 30 กำหนดให้นายจ้างจัดให้ลูกจ้างทุกคนฝึกซ้อมดับเพลิงและอพยพหนีไฟพร้อมกันอย่างน้อยปีละหนึ่งครั้ง โดยได้ดำเนินการฝึกซ้อมดับเพลิงและอพยพหนีไฟเมื่อวันที่ 26 กรกฎาคม 2566

บริษัทฯ จึงใคร่ขอนำส่งรายงานผลการฝึกซ้อมดับเพลิงและอพยพหนีไฟ ประจำปี 2566 ดังรายละเอียดที่แนบมานี้

จึงเรียนมาเพื่อโปรดพิจารณา

[redacted]

หน่วยงาน : ความปลอดภัย อาชีวอนามัยและสิ่งแวดล้อม
ชื่อผู้ติดต่อ : นายเกียรติศักดิ์ ประไชโย
โทร 082-7130399
อีเมล์ Kiattisak_p@blcp.co.th

สำนักงานสวัสดิการและคุ้มครองแรงงาน
จังหวัดระยอง ศูนย์ราชการจังหวัด ชั้น ๓
ถนนสุขุมวิท รย ๒๑๑๕๐

กรกฎาคม ๒๕๖๖

[redacted]

กลุ่มงานสวัสดิการและคุ้มครองแรงงานพื้นที่ ๒ (งานด้านความปลอดภัยในการทำงาน)
โทร. ๐ ๓๘๖๙ ๔๑๑๗ – ๙ ต่อ ๐๓
โทรสาร ๐ ๓๘๖๙ ๔๑๑๗ – ๙ ต่อ ๖๐๑-๖๐๓

BLCP-SHE-2023-0084

แบบรายงานผลการฝึกซ้อมดับเพลิงและฝึกซ้อมอพยพหนีไฟ

๑. ข้อมูลสถานประกอบกิจการ

๑.๑ ชื่อสถานประกอบกิจการ..... ..บริษัท บีแอลซีพี เพาเวอร์ จำกัด

ประเภทกิจการ.....ผลิตกระแสไฟฟ้า...

ที่อยู่ เลขที่.....๙.....หมู่ที่ ซอย.....-.....ถนน.....ไอ-แปด.....

แขวง/ตำบล.....มาบตาพุด..... .....เขต/อำเภอ.....เมือง.

จังหวัด.....ระยอง..... ....รหัสไปรษณีย์.....๒๑๑๕๐.....โทรศัพท์.....๐๓๘ ๙๒๕๑๐๐

๑.๒ จำนวนลูกจ้าง/พนักงาน/ผู้ที่เกี่ยวข้อง รวม ๒๘๑ คน

๑.๓ ลักษณะที่ตั้งของสถานประกอบกิจการ

☐ เป็นสถานที่ที่มีหลายสถานประกอบกิจการตั้งอยู่รวมกัน

ระบุชื่ออาคาร/สถานที่.....

☑เป็นสถานประกอบกิจการเดียว (ข้ามไปตอบข้อ ๒)

๑.๔ กรณีเป็นสถานที่ที่มีหลายสถานประกอบกิจการตั้งอยู่รวมกัน

☐ลูกจ้างที่ทำงานอยู่ภายในอาคารเดียวกัน และในวันและเวลาเดียวกันของนายจ้างทุกรายในสถานที่นั้น ทำการฝึกซ้อมพร้อมกัน

☐ ลูกจ้างที่ทำงาน ภายในอาคารเดียวกัน และในวันและเวลาเดียวกันของนายจ้างทุกรายในสถานที่นั้น ไม่ได้ทำการฝึกซ้อมพร้อมกัน

๒. รายงานผลการดำเนินการ

๒.๑ วัน/เดือน/ปี ที่ทำการฝึกซ้อม.....๒๖ กรกฎาคม ๒๕๖๖.....

๒.๒ มีการฝึกซ้อมครั้งที่ผ่านมา เมื่อ (วัน/เดือน/ปี) .....๒๔ มิถุนายน ๒๕๖๕.....

๒.๓ จำนวนผู้ที่เข้าร่วมในการฝึกซ้อม.....๓๗๐.....คน

๒.๔ ผลการดำเนินงานการฝึกซ้อมดับเพลิงและฝึกซ้อมอพยพหนีไฟ

☐ ไม่ดี ☐ พอใช้ ☑ ดี ☐ ดีมาก

๓. ดำเนินการฝึกซ้อมโดย

☑ ได้รับความเห็นชอบแผนและรายละเอียดการฝึกซ้อมดับเพลิงและฝึกซ้อมอพยพหนีไฟจากอธิบดี หรือผู้ซึ่งอธิบดีมอบหมาย ตามหนังสือ....ให้ความเห็นชอบแผนการฝึกซ้อมดับเพลิงและฝึกซ้อมอพยพหนีไฟประจำปี ๒๕๖๖.....เลขที่.....รย ๐๐๓๐/๓๒๑๕.....

โดยได้แนบเอกสารให้ความเห็นชอบมาด้วยแล้ว