



TotalEnergies EP Italia

**Company Management System**

**INTERNAL EMERGENCY RESPONSE PLAN – TEMPA ROSSA LPG CENTRE**

2-PR-QHSE-022

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**INTERNAL EMERGENCY RESPONSE PLAN  
TEMPA ROSSA LPG CENTRE**

Rev ##	Date	Main modifications
00	01/01/2017	First issue.
01	14/09/2020	Review for Production Phase.
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**BASIC PRINCIPLES**

# Section **BP**

**BP - BASIC PRINCIPLES**



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## BPO - INTRODUCTION

### Definition

This **Internal Emergency Response Plan** (hereinafter referred to **ERP**) is issued to manage emergency situations within the establishment “**Tempa Rossa**” **LPG Centre** operated by TotalEnergies EP Italia.



The Internal Emergency Response Plan is drawn up in accordance with:

- Art. 20 and Annex 4 of Legislative Decree 105/15.
- Art. 13.2 of the Ministerial Decree of 13 October 1994.
- Annexes VII and VIII of the Ministerial Decree 10.03.1998.
- Legislative Decree 81/08 and subsequent amendments.
- CR-GR-HSE-701 “Emergency and Crisis Management”.
- GM-EP-HSE-091 “Guidelines for Affiliate Emergency Response Plan”.
- GM-EP-HSE-093 “Guidelines for Site Contingency Plan”.

**The Internal Emergency Response Plan is part of the Safety Management System for the Prevention of Major Accidents (SGS-PIR).**

The Internal Emergency Response Plan is also drawn up in accordance with the Policy Document for the Prevention of Major Accidents Tempa Rossa LPGC (1-PO-QHSE-003/ 0-CHA-HSEQ-002).

The Internal Emergency Response Plan of the Tempa Rossa LPGC (**Seveso upper-tier establishment**) is drawn up, tested, and reviewed in accordance with the provisions of art. 20 of Legislative Decree 105/15, specifying all the elements related to the protection and intervention measures to face with following possible emergency situations and major accidents.

The ERP is addressed to all workers of the Tempa Rossa LPGC, direct and indirect workers and visitors.

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## Purpose

The ERP is designed to:

a) define the structure, the organizational methods of intervention in case of **emergency situations**, the fire-fighting means, and the personal and collective protection equipment to be used and kept available. An emergency means events that:

- endanger the health or safety of staff, visitors, contractors, and surrounding communities.
- Present a threat to the environment.
- Jeopardize production and establishment integrity.
- Damage the corporate image.

b) Allow, through timely and adequate intervention according to specific methods as per the type of hazard, the management of the various emergency situations that may arise to safeguard the people present in the establishment, the assets, minimizing impact to the environment, and damage on structures and to equipment.

c) Adequately inform workers and competent local authorities.

d) Limit and control the gravity of the incident.

e) Allow an orderly and safe escape or evacuate of people from one or more areas in the event of not imminent danger.

f) Provide information on how to evacuate the LPGC during an emergency event by all the personnel present on site.

g) Ensure the necessary coordination with the competent authorities through the connection and integration with the External Emergency Response Plan (PEE).

h) Manage liaison with the media for the protection of the corporate image and reputation.

The ERP was developed based on the potential hazardous events from the assessment of major accidents risks reported in:

- Seveso Safety Report developed by TEPIT and issued to the Regional Technical Committee (Comitato Tecnico Regionale), as per art. 21 of the D.lgs. 105/15.
- Technological Risk Assessment developed by TEPIT according to GS GR HSE 312.

As required by Legislative Decree 105/15, the following information is contained within the ERP:

a) name or function of the persons authorized to activate the emergency procedures and of the person responsible for the application and coordination of the intervention measures within the site.

b) Name or function of the person in charge of liaising with the authority responsible for the activation of External Emergency Plan.

c) For predictable situations or events that could have a decisive role in a major accident, description of the measures to be taken to deal with such situations or events and to limit their consequences. The description includes available safety equipment and resources.

d) Measures to limit the dangers for people present at site, including alarm systems and all procedures must be followed by all people at site since the first PA/GA activation.

e) Provisions to promptly notify, in the event of an accident, the authority in charge of activating the External Emergency Response Plan.

f) Type of information to be provided immediately and measures for communicating more detailed information as soon as available.

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- g) Training to prepare involved personnel in specific tasks to perform and, when necessary, in coordination with the external emergency services.
- h) Provisions to assist in the execution of intervention measures adopted outside the plant.

## Activation

The Internal Emergency Response Plan of the Tempa Rossa LPGC is activated in the case of a major hazard i.e., a fire or an explosion resulting, for instance, from uncontrolled developments appeared during operations, and inducing a severe risk for human life, the environment, or assets.

The activation scheme is described in the **BP4** sheet.

In particular, the following should be considered as initiating events of emergency situations:

- uncontrolled release of energy (liquid pool fires, gas/vapor cloud fires, high velocity released gas/liquid fires, explosions).
- Release of toxic substances.
- Health emergency that may involve one or more people in the following events:
  - Illness not caused by work activity.
  - Very serious injuries, such as burns, trauma, etc., referable to work activity.
  - Intoxications caused by the release of toxic gases, always referable to work activities.
- emergency caused by natural perturbations (e.g., flooding from exceptional precipitation, earthquakes, landslide, etc.),
- intrusion of unauthorized personnel (acts of sabotage, terroristic attacks, demonstrative acts of protest, theft of oil). Refer to “Site Security Plan”.

**The Internal Emergency Response Plan is activated by the On-Scene Commander, whose function is covered by the RSES (Site Safety, Health and Environment Manager), or by his substitute in case of absence. (See BP4).  
The RSES is the Responsible for activating the ERP.**

The Internal Emergency Response Plan can provide for the activation of **3 crisis cells**, each with different functions depending on the potential or real consequence of the emergency:

- **An Advanced Command Post (ACP) for the management of the emergency on site**, located in the administrative building in Area N, in ACP Emergency Management Room.
- **An Incident Command Post (ICP) for the command in the tactical management of the emergency**, located in the TEPIT Offices of Guardia Perticara, ICP Emergency Management Room and, if required, connected with the Taranto office.
- **A Crisis Management Cell (CMC) for the management of corporate interests (strategic management)**, located in the Emergency Management Room of the TEPIT Offices in Milan.
- The CMC cell may request the support of the **Country Crisis Management Cell (CCMC)**, according to the Country Crisis Plan - L2-CIA-PR-002.

The detailed description of the cells is provided in the **BP2** and **BP3** sheets.

In addition to Emergency Management Rooms, dedicated **virtual rooms** for ACP/ICP/ CMC/ CCMC crisis cells are available in TEAMS to manage and coordinate the emergency **if it is impossible to reach the Emergency Room** (e.g., snow events or adverse weather conditions). Only the crisis cells' Director can authorize the activation of these virtual emergency management rooms.

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Upon activation of the Advanced Command Post, the On-Scene Commander/RSES promptly informs the Gestore who holds the position of ICP Director and Incident Commander.

The Incident Commander decides whether to activate the ICP crisis cell.

The activation of the ICP and CMC crisis cells shall be carried out only if the resources available for the ACP crisis cell are not sufficient to quickly control the event, or if there is a risk of escalation of accidents with effects outside the establishment, or if it is the involvement of the public authority responsible for the emergency is necessary.

The Internal Emergency Response Plan is NOT activated in case of minor event such as an injury that the medical team is able to handle, or a minor industrial event.

Minor events are to be considered:

- low releases of dangerous substance due to leakage from seals (from flanges, valves, pumps, etc.) generally not detected by the gas detectors, or when only gas detectors 1<sup>st</sup> alarm threshold is triggered.
- Small fire involving office buildings and / or technical rooms, or small events that can be managed by the present emergency team.
- Smoke events from the flare.

More detail on the ERP activation procedure is described in the **BP4** sheet.

## Efficiency

The efficiency of the ERP requires:

- a reliable and suitable organization.
- An adequate number of people for the emergency team, composed of qualified and trained people.
- Appropriate equipment and in good operating conditions.
- A good knowledge of the risk to anticipate potential accidents
- To limit as much as possible escalation and associated impacts.

Drills are frequently organized to:

- Test the crisis management consistency and adequacy.
- Familiarize each member of crisis cell to his function.
- Check the equipment availability and efficiency.

## Adaptability

The organization of the ERP should ensure handling all the situations, including a partial degradation of the collective means of protection. It is obtained thanks to:

- A multi-skilled trade qualification.
- Equipment redundancy
- Self-use communications
- Exercises.

To be operational and fully effective, the ERP needs specific defined people, whose role is detailed in job tickets. Each job ticket shall be reviewed, adapted, and updated in accordance with the current operating condition of the site, organization level of defined acceptable risk and law requirements. Any changes in the previous factors imply a review of the ERP.

The ERP shall be considered as a living document, which evolves together with the establishment and organization. A specific section at the end of the document summarizes the ERP updating criteria. Substantial changes are noted in the revision list.

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## Interface with other Emergency Plans

The Internal Emergency Response Plan of the Tempa Rossa LPG Centre represents a part of the site and affiliate emergency management documentation as detailed into Seveso SGS-08 Procedure “Affiliate Emergency Response System” (2-PR-QHSE-019). This ERP can be applied in parallel with one of the following internal emergency plans:

- **Oil Spill Contingency Plan - IT – TPR – GE – SET – 000039:** Anti-pollution plan following an accidental oil spill.
- **Blow Out Contingency Plan - IT-TPR-WL-DCT-000139:** Emergency management plan in case of uncontrolled eruption (blow-out) of the extraction wells.
- **H<sub>2</sub>S / SO<sub>2</sub> Contingency Plan - IT-TPR-WL-DCT-000140:** H<sub>2</sub>S and SO<sub>2</sub> accidental spillage management plan during the work-over activities of the extraction wells.
- **Site Medical Assistance and Emergency Medical Service (MEDEVAC) - 3-PR-QHSE-019:** Management plan for first aid medical care and evacuation of the injured and sick people from the Tempa Rossa site to health facilities.
- **Internal Emergency Response Plan of the Tempa Rossa Oil Centre - 2-PR-QHSE-022.**

Furthermore, to ensure the necessary coordination with the competent authorities in the event of an emergency linked to accidents with possible impact outside the LPGC, additional emergency procedures shall be used:

- a) **External Emergency Response Plan** of the Tempa Rossa LPG Centre. The PEE is available on the website of the Prefecture of Potenza.
- b) **Memorandum of understanding with the Region and the Prefecture** (Protocollo D’Intesa) in the event of pollution events (AIA - Prescription 14).

**In case of activation of the External Emergency Plan (see BP11), the coordination of the response to the external emergency is carried out by the Responsible Authority (Prefect of Potenza) in liaison with the Gestore -Incident Commander.**

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## Reference Documentation

Internal - TEPIT CMS	
Name of the document	Reference
Tempa Rossa LPG Centre - Safety Report	IT-TPR-40-EPC1-167544
TEPIT HSEQ Policy	0-CHA-HSEQ-001
Major-Accident Prevention Policy for LPG Centre	1-PO-QHSE-003
Major Accident Prevention Policy – 1 Page	0-CHA-HSEQ-002
Major Risk Register	IT-TPR-00-EPC1-167567
Emergency and Crisis Management	CR-GR-HSE-701
Guidelines for "Affiliate Emergency Response Plan"	GM-EP-HSE-091
Guidelines for Site Contingency Plan	GM-EP-HSE-093
Tempa Rossa Oil Spill Contingency Plan	IT-TPR-GE-SET-000039
Site Medical Assistance and Emergency Medical Service (MEDEVAC)	3-PR-QHSE-019
Blow Out Contingency Plan	IT-TPR-WL-DCT-000031
H <sub>2</sub> S SO <sub>2</sub> Contingency Plan	IT-TPR-WL-DCT-000140
Affiliate Emergency Response System - SGS-08	2-PR-QHSE-019
Event Management and HSE Reporting Procedure - SGS 11	2-PR-QHSE-013
Management of Awareness, Information and Training for HSE-SGS 04	2-PR-QHSE-016
Site Security Plan	2-PLA-SUR-001
Country Crisis Plan	L2-CIA-PR-002
Organization and Management Model – General	0-PO-SG-001
Organization and Management Model – Specifics and appendixes	0-PO-SG-002
Internal Emergency Response Plan Tempa Rossa Oil Center	2-PR-QHSE-022

External	
Name of the document	Reference
Implementation of Directive 2012/18 / EU relating to the control of major-accidents hazards involving dangerous substances.	Legislative Decree 105/2015
General criteria for fire safety and emergency management in the workplace and subsequent amendments and updates.	DM 10/03/1998
Regulation containing provisions on company first aid, in implementation of article 15, paragraph 3, of the legislative decree 19 September 1994, n. 626, and subsequent amendments.	388 of 15 July 2003
Guidelines for the external emergency planning of industrial plants at risk of major accident.	DPCM 25.02.2005
Implementation of Law 123/2007 on the protection of health and safety in the workplace.	Legislative Decree 81/2008 and subsequent amendments
Implementation of Directive 92/91 / EEC relating to the safety and health of workers in extractive industries by drilling and of Directive 92/104 / EEC relating to the safety and health of workers in open pit or underground extractive industries.	Legislative Decree 624/96 and subsequent amendments
Regolamento recante la disciplina delle forme di consultazione, sui piani di emergenza interna (PEI), del personale che lavora nello stabilimento, ai sensi dell'articolo 20, comma 5, del decreto legislativo 26 giugno 2015, n. 105.	DM 6 giugno 2016, n. 138
Regolamento recante la disciplina per la consultazione della popolazione sui piani di emergenza esterna, ai sensi dell'articolo 21, comma 10, del decreto legislativo 26 giugno 2015, n. 105.	DM 29 settembre 2016, n. 200

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<b>BP0</b>	<b>BASIC PRINCIPLES</b>	<b>INTRODUCTION</b>
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Testo unico in materia ambientale.	Legislative Decree 152/2006 and subsequent amendments
Basilicata Region - Favourable Judgment of AIA environmental compatibility and landscape authorization of the Tempa Rossa Project.	DGR 1888 19/12/11
External Emergency Plan Total EP Italia SpA Tempa Rossa Oil Centre Plant in Corleto Perticara - year 2019	<a href="http://www.prefettura.it/potenza/contenuti/Pee_centro_olio_tempa_rossa_total_ep_italia_di_corleto_perticara.-7482024.htm">http://www.prefettura.it/potenza/contenuti/Pee_centro_olio_tempa_rossa_total_ep_italia_di_corleto_perticara.-7482024.htm</a>
External Emergency Plan Total EP Italia SpA Tempa Rossa LPG Centre Plant in Corleto Perticara - year 2019	<a href="http://www.prefettura.it/potenza/contenuti/Pee_centro_gpl_tempa_rossa_di_guardia_perticara-7526181.htm">http://www.prefettura.it/potenza/contenuti/Pee_centro_gpl_tempa_rossa_di_guardia_perticara-7526181.htm</a>
Memorandum of Understanding with the Region and Prefecture in the event of pollution events (AIA - Prescription 14)	<a href="http://wat.corp.local/sites/s485/en-US/Documents/SEVESO/Protocollo_intesa_prefettura_reg_total_signed_annex.pdf">http://wat.corp.local/sites/s485/en-US/Documents/SEVESO/Protocollo_intesa_prefettura_reg_total_signed_annex.pdf</a>

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## BP1 - DESCRIPTION OF THE ESTABLISHMENT T

### Description of the Tempa Rossa LPG Centre

Within the Mining Concession “Gorgoglione”, the production sites called Tempa Rossa include:

- the Oil Center,
- 6 wells with relative wellpad,
- an LPG storage and loading Centre, **Tempa Rossa GPL Centre**,
- 6 Flowlines to send the crude oil extracted from the wells to the Oil Centre. The flowline from PT1 includes a block valve station to close the flowline in case of leak.
- 5 pipelines known as the “Bretella”, from the Oil Centre to the LPG Centre (and vice versa) or to the Corleto Tie-In (and vice versa). In particular, the treated and stabilized crude oil is sent to the Taranto refinery (through the SOM underground pipeline). The pipeline for the transport of stabilized crude oil from the Oil Centre to the Corleto Tie-In includes two sectioning systems (line valves) called BVS (Block Valve Station).
- a connection node for the pipelines for the export and import of natural gas (connection with the SNAM Rete Gas pipeline) and for the export of stabilized oil to the SOM pipeline called Corleto Tie-In.
- A storage area for chemical additives and lubricating oils in the area called Dumping Area 5.

The Tempa Rossa LPGC is located in:

**PIP Area - Contrada Santa Maria Del Sauro SNC  
85010 - Guardia Perticara (PZ).**

The altitude and geographical coordinates (WGS84 / ETRF2000) of the plant are indicated below:

**Longitude: 40 ° 21 '14.73' 'N  
Latitude: 16 ° 04 '47.82" E  
Altitude asl: 491 m.**



TotalEnergies EP Italia

## Company Management System

### INTERNAL EMERGENCY RESPONSE PLAN – TEMPA ROSSA LPG CENTRE

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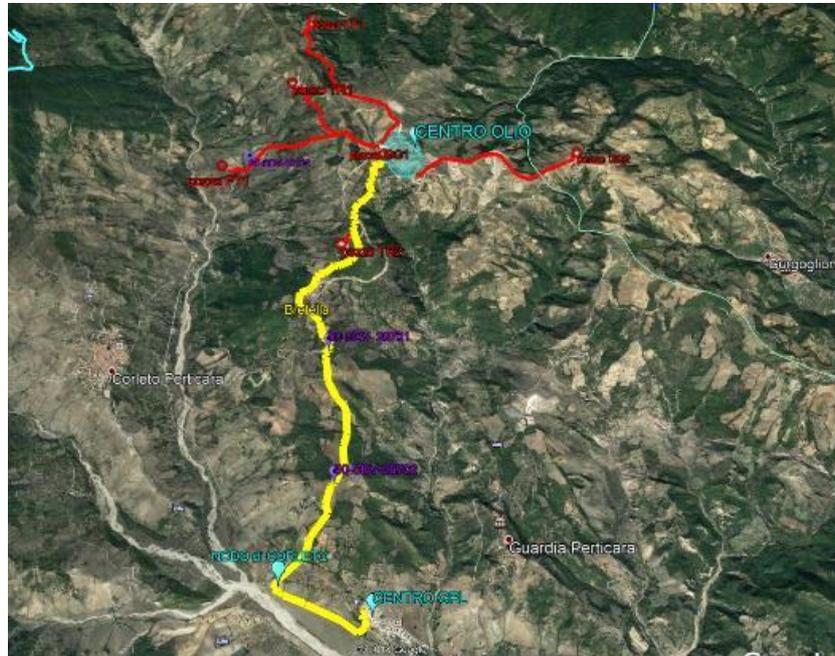
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BP1

BASIC PRINCIPLES

DESCRIPTION OF THE ESTABLISHMENT



The Establishment constitutes a storage in which the LPG produced in the Tempa Rossa Oil Centre is stored.

In the establishment, therefore, storage, handling and transfer of liquefied petroleum gas (LPG) operations are carried out, aimed at loading tankers.

The LPG Centre includes:

- A storage area.
- A pumping area.
- A transfer area.
- Three technical buildings: a control room, an electrical substation, a fire pump room.

The LPG Centre is composed of the following units:

- Unit 01: Fire extinguishing system;
- Unit 38: Transfer and Storage of LPG.
- Unit 39: Export / Unloading of LPG.
- Unit 44: Drainage System;
- Unit 49: Flare system;
- Unit 54: Water treatment;
- Unit 61: Service / instrument air system.
- Unit 62: Nitrogen distribution system;
- Unit 65: Chemical storage and injection system.
- Unit 67: Drinking water system.

The activity of the plant essentially develops through the execution of the following operations:

- receipt of the LPG coming from the Oil Center, via a pressure pipeline (gas pipeline) with a diameter of 3", with the interposition of a pressure regulation system, upstream of the tanks, suitable for checking that the operating pressure envisaged for the tanks is not exceeded themselves.

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- in-line addition of incoming LPG with odorizing products of a mercaptanic nature which to facilitate the identification of leaks.
- storage of the product in buried pressure tanks of 1500 m<sup>3</sup> each, with horizontal axis, (40-VZ-3801 A and 40-VZ-3801 B).
- transfer of LPG from fixed tanks to tankers, through the use of 4 pumps (3 running and 1 spare), 1 compressors and special transfer systems, consisting of 3 loading bays , each equipped with an arm for loading LPG and one for recovering the vapors, both of the articulated type. In addition to the transfer of LPG from one tank to another, the pump / compressor unit can intervene to unload the tankers.

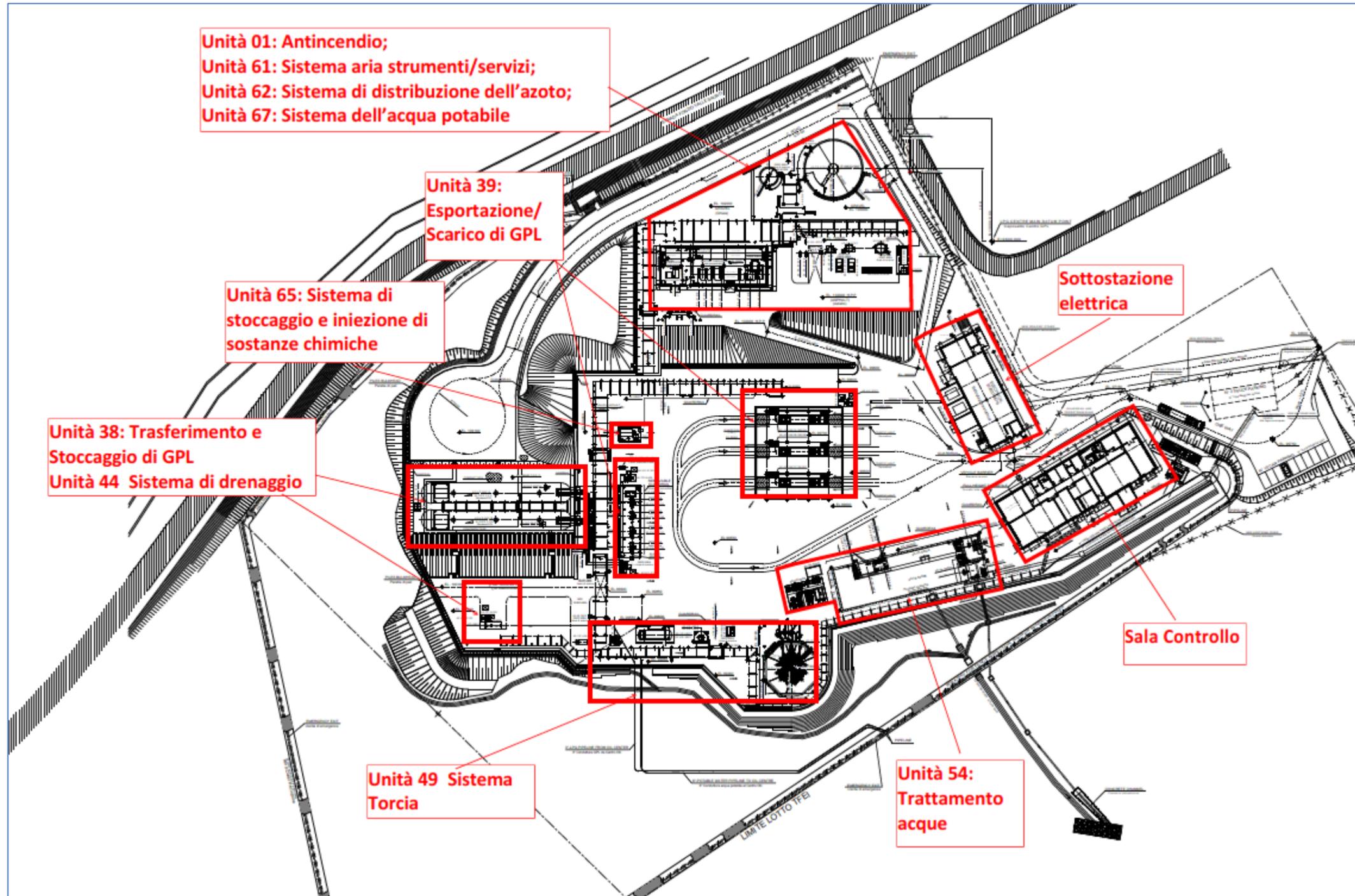
The processes and activities of the LPGC can also be fully monitored from the central control room of the Tempa Rossa Oil Center.

**The tanker LPG loading activities take place only from Monday to Friday (from 08:00 to 17:00).**

During this period, the permanent presence of operational staff is expected on site and in control room, including an HSE supervisor and an ADR supervisor.

**From 17:00 to 08:00, on the weekend and during the festivities**, i.e. in the absence of loading activities, the LPGC is manned by TEPIT and Security Operators, and the LPGC is monitored also by the Central Control Room of Oil Centre.

<b>BP1</b>	<b>BASIC PRINCIPLES</b>	<b>DESCRIPTION OF THE GPL CENTRE</b>
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## BP2 - LEVELS OF RESPONSE AND ORGANIZATION OF THE EMERGENCY

### Levels of Emergency Response

Emergency situations are classified according to their real or potential severity, i.e., according to the potential evolution of the situation with respect to the event.

With respect to the potential hazardous scenarios, 2 distinct temporal conditions are identified in order to classify the emergency situation and the consequent reaction to be implemented:

- ▶ **State of Alert**
- ▶ **State of Emergency**

The **State of Alert** is configured starting from the presence of a potential accident situation defined by:

- a report directly from the field of an event that can quickly escalate into a serious accident.
- From the occurrence of a significant deviation from normal operating conditions with the potential to evolve towards a serious accident situation.

In the event of an Alert State, the **RSES** verifies and monitors the situation, as well as with the adoption of **precautionary measures** for the management of a probable emergency and for the mitigation of potential consequences.

The **State of Emergency** occurs in the **presence of ongoing** events potentially capable of generating consequences inside and/or outside the LPGC.

To support the RSES for the assessment of the Alert / Emergency state, shall be refer to the Evaluation Matrix of actual and potential severity levels/consequences of HSE Events as per CR-GR-HSE-801 and procedure 2-PR -QHSE-013.

Moreover, as per Company Rule (CR-EP-HSE-035) an RSES Delegate (RSES-D) has been appointed to manage the LPGC emergency situations in coordination with the RSES. The RSES-D shall follow the duties related to the Job Ticket 6.

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The following table presents the evaluation matrix of Actual and Potential Severity Level/Consequences of HSE Event (CR-GR-HSE-801):

Severity Level	TEPIT Response Level	Severity class	Type of Consequences			
			People	Environment	Material or Production	Average <sup>1</sup>
<b>1</b>	<b>Level 1</b>	Minor	First aid	Temporary exceeding of an emission limit value; accidental release below the Group's reporting threshold.	< € 20k	No reaction.
<b>2</b>		Moderate	Recordable accident without interruption of work, with medical treatment including limited work.	Very localized pollution with minimal impact on the environment.	€ 20k - € 200k	Local media. Comments on local or national media websites. Information on social networks (Facebook, Twitter, discussion forums, etc.) in the local language or languages.
<b>3</b>	<b>Level 2</b>	Serious	Recordable accident with interruption of work, including temporary disability (without permanent disability).	Small area pollution with limited impact on the environment.	€ 200k - € 2m	"Notices" in national media + news agency dispatches. Negative comments on social networks and / or intervention by national influencers <sup>2</sup> in the official language or languages of the Group <sup>3</sup> .
<b>4</b>		Very serious	Internal impact: permanent disability or fatality.	Pollution with significant environmental impact	2 m € - 10 m €	"Report" in the national media; Numerous negative comments on social networks and / or interventions by national influencers, in the local language or in the official language of the Group.
<b>5</b>	<b>Level 3</b>	Catastrophic	External impact: injuries among the local population.	Large-scale pollution in ecosystems of recognized ecological interest.	10 m € - 100 m €	"Report" in the international media; Negative comments on social networks and / or intervention by international influencers; Re-use of the event by personalities (politicians, NGOs, etc.) following negative mobilization.
<b>6</b>		Disastrous	Third party mortality related to transport or safety.	Pollution with massive and lasting consequences for vast ecosystems of high ecological interest.	> 100m €	

<sup>1</sup> Media: written press, radio, TV

<sup>2</sup> Influencer: More than 500 followers on Facebook or Twitter

<sup>3</sup> official languages of the group: English and French



BP2

BASIC PRINCIPLES

RESPONSE AND ORGANIZATION OF THE EMERGENCY

Three (3) levels of Emergency Response are then defined as summarized in the following diagram:

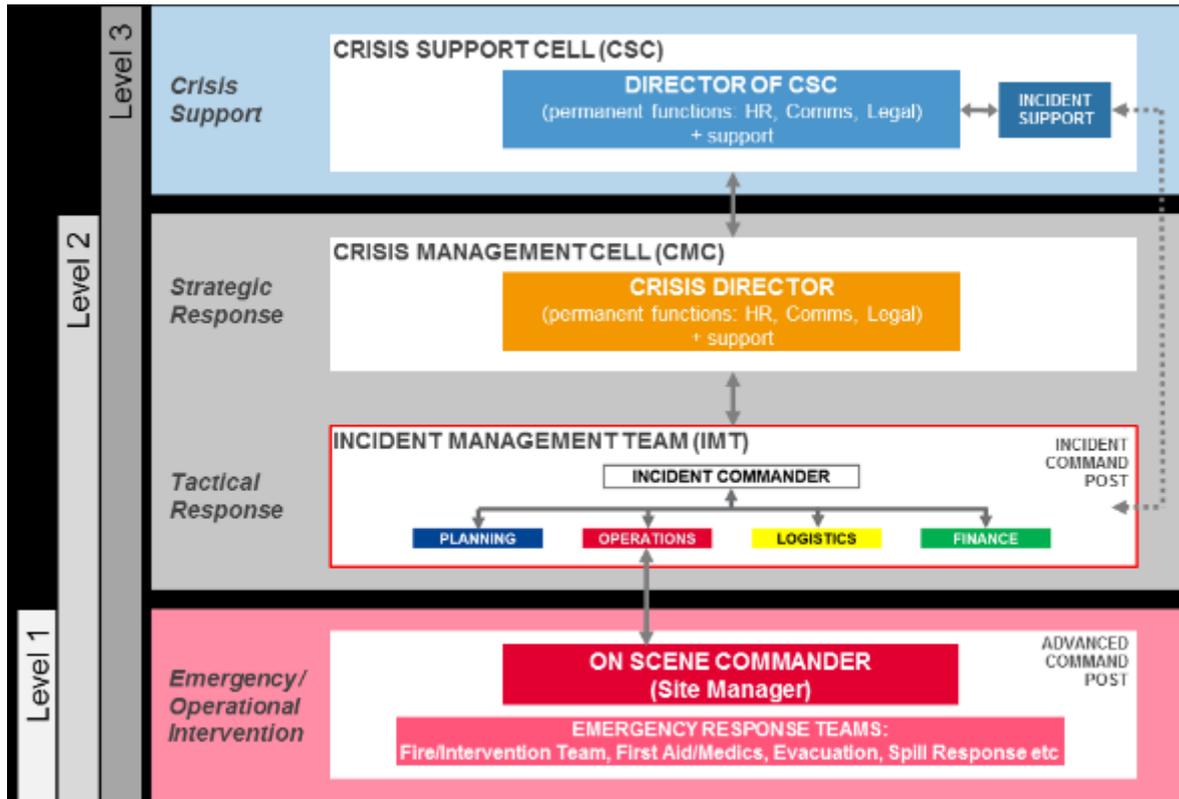
Description	Level	Actions	Communications
<p><b>Consequences minors</b> only <b>inside the establishment</b> for things and / or people.</p> <p>Events with automatic activation of internal PA/GA alarm with <b>possible perception outside</b> the establishment.</p> <p>The means available on site are adequate to solve the problem quickly.</p>	<p><b>LEVEL 1</b></p>	<p>→ Alert in CR.            → RSES informed.            → First Intervention Team prepares.            → Reconnaissance in the plant on request RSES/RSES-D.</p>	<p>→ The ICP Director decides to send, through the ICP crisis cell, communications to the Authorities according to the <b>State of Attention of the PEE</b>:</p> <ul style="list-style-type: none"> <li>➢ via email PEC and telephone - FO10 PEC - PEE Model n.1</li> <li>➢ If the PEE ATTENTION STATE is not activated, communications are managed according to the 2-PR-017-QHSE and 2.-.PR-QHSE-013.</li> </ul>
<p><b>Consequences moderate</b> only <b>inside the establishment</b> for things and / or people</p> <p>Events with <b>possible perception outside the establishment</b>.</p> <p>Site support from the TEPIT branch is required.</p>		<p><b>PEI</b></p> <p>→ Activation of the ACP crisis cell if necessary.            → RSES informs the ICP Director.</p>	
<p><b>Consequences relevant</b> only <b>inside the establishment</b> for things and / or people.</p> <p>Events with <b>certain perception outside the establishment</b></p> <p>Events with possible development towards scenarios with external effects.</p> <p>Site support is required from the TEPIT branch or other entities</p>		<p><b>PEI</b></p> <p>→ Activation of the ACP crisis cell.            → Activation of the ICP crisis cell.</p> <p><b>PEE</b></p> <p>→ Activation of the ATTENTION STATE</p>	
<p><b>Significant consequences outside the establishment</b> for things, environment and / or people.</p> <p>The impact on public opinion has repercussions on the public image of the branch, and therefore on the image of the TotalEnergies Group.</p> <p>Site support is required from the Public Authorities, the TEPIT branch, or the TotalEnergies Group</p>	<p><b>LEVEL 2</b></p>	<p><b>PEI</b></p> <p>→ Activation of the ACP crisis cell.            → Activation of ICP / CMC crisis cells.</p>	<p>→ The ICP Director, through the ICP crisis cell, sends the communications to the Authorities for <b>ACTIVATION PRE-ALARM State of the PEE</b>:</p> <ul style="list-style-type: none"> <li>➢ via email PEC and telephone - FO10 PEC - PEE Model n.1.</li> </ul>
<p><b>LEVEL 3</b></p>		<p><b>PEI</b></p> <p>→ Activation of the ACP crisis cell.            → Activation of ICP/CMC crisis cell.</p> <p><b>PEE</b></p> <p>→ Activation of the EMERGENCY-ALARM STATUS            → The Gestore activates the PA/GA directly or at the request of the Authorities for external alarm.</p>	

<b>BP2</b>	<b>BASIC PRINCIPLES</b>	<b>RESPONSE AND ORGANIZATION OF THE EMERGENCY</b>
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## TotalEnergies' organizational structure in emergency management

The organization of TotalEnergies' emergency in response to the incidental events that may occur within the plant is carried out in accordance with the criteria of the **IMS - Incident Management System**.

The IMS provides formal structures, systems, and processes for managing emergency.



Emergency management takes place through the following crisis cells:

- "Advanced Command Post on Site" (ACP).
- "Incident Command Cell" (ICP).
- "Crisis Management Cell" (CMC).

If emergency management requires skills and resources not available in TEPIT, the CMC crisis cell contacts the **Country Crisis Management Cell (CCMC)** of TIS (TotalEnergies Italia Servizi) and the **Crisis Support Cell (CSC)** of the TotalEnergies Group.

The predefined organisational structure is scalable according to the nature, complexity, duration and potential development of the emergency situation.

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## ACP "Advanced Command Post"

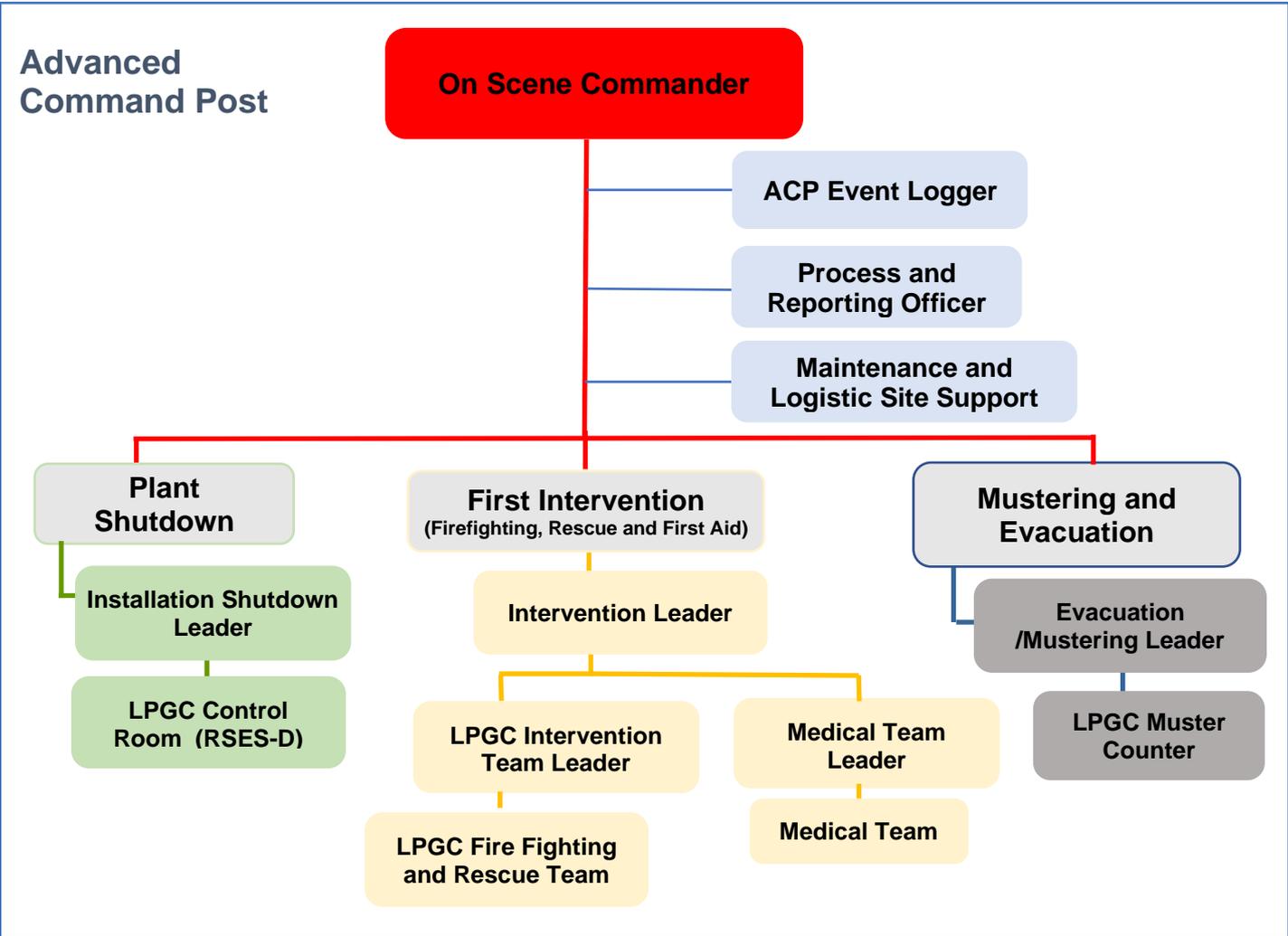
The organization of the emergency for the **Advanced Command Post** (Advanced Command Post) is based on the emergency response and intervention teams located at the LPGC and partly at the Oil Centre.

The Advanced Command Post, has the following functions, under the provisions of the **RSES** which assumes the functions of the **On Scene Commander**:

- ▶ Check the coordination of the operations in progress within the LPGC (**Field Coordination**).
- ▶ Secure the installations to avoid the escalation of the emergency (**Plant Safety**).
- ▶ Provide first aid and evacuate the injured if possible (**First Intervention - Medical Aid**).
- ▶ Control access to the site and make sure that all staff and visitors have gathered at the muster points by checking the POB (**Access Control and POB**).
- ▶ Use first aid equipment and activate fire protection means (non-automatic means, fixed or mobile means, remotely or locally activated) (**First Intervention - Fire prevention**).
- ▶ Communicate with the ICP crisis cell in case of activation of the External Emergency procedures. In this case, coordinate with the external rescue team sent to the plant, if activated (**External Emergency and External Support**) and collects information if the organization of the PCA (Posto di Comando avanzato as per PEE) if requested.
- ▶ Regularly assess the emergency and report to the Incident Commander (**Communication with ICP crisis cell**), also through the ICP/ACP FOPS Liaison Officer.
- ▶ Organize the abandon plan from the site if necessary (**Evacuation**).

The organization structure of the ACP crisis cell is shown below:

<b>BP2</b>	<b>BASIC PRINCIPLES</b>	<b>RESPONSE AND ORGANIZATION OF THE EMERGENCY</b>
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The **On-Scene Commander** is the person in charge of managing the emergency inside the establishment, this role is covered by the RSES. In case of his absence, unavailability, his designated substitute is the **Operating Authority**. During night shift, his designated substitute is the **Shift Supervisor** that assumes the role of the RSES and the Intervention Leader until they reach the site-Centro Olio (within 30 minutes).

The ACP crisis cell meets in the Emergency Management Room of Area N. If the meeting of the ACP crisis cell at the Emergency Management Room in Area N is not possible (e.g., fire in Area N), the OSC identifies another place (for example the meeting room at Technical Building SS1) and communicates it to the members of the ACP crisis cell via PA/GA and to the Incident Commander or to the ICP/ACP FOPS Liaison Officer.

The first member of the ACP crisis cell that reaches the ACP Emergency Management Room uses the "FO2 - 1 First Arrival Check List" form.

At the entry of ACP Emergency Management Room each member shall badge on specific badge reader placed there, to have the correct status of POB.

Each member of the ACP crisis cell who is present in the ACP Emergency Management Room shall register his presence on the form "FO1-1 ACP crisis cell members".

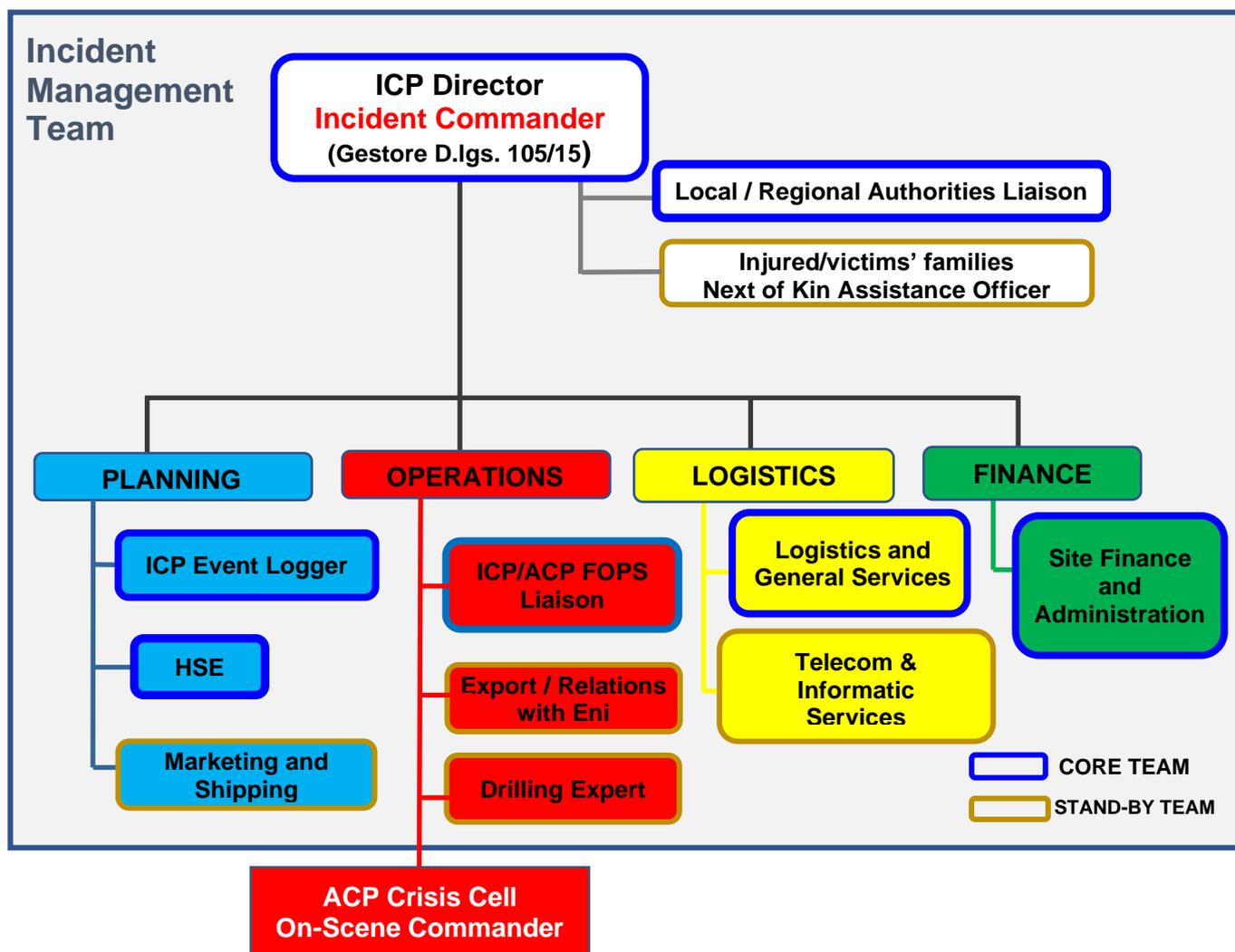
<b>BP2</b>	<b>BASIC PRINCIPLES</b>	<b>RESPONSE AND ORGANIZATION OF THE EMERGENCY</b>
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## ICP "Incident Command Post"

The organization of the emergency of the **Incident Command Post** crisis cell allows to give support to the ACP crisis cell.

In particular, the ICP crisis cell has the scope of guaranteeing assistance to the site and anticipate means in the event of an accident (**Tactical Response**).

The management of the emergency by the ICP crisis cell takes place through the **Incident Management Team (IMT)** and according to the **IMS principles** ("P" Planning and FISA Method) presented in the **BP10** sheet.



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The **Incident Management Team** composition is based on four essential functions under the **Command** function and coordinated by the Incident Commander: **Operations, Planning, Logistics and Finance**.

Each of these functions is represented by an organizational section and is divided into other roles and functions based on the organization of the branch. Each function is associated with an internationally recognized and adopted colour code.

The functions of each section can be summarized as follows:

- **Command:** The Command function is carried out by the **Incident Commander -ICP crisis cell Director**. For the LPGC, the person in charge of this function is the **Gestore** as per Legislative Decree 105/2015, in case of absence a delegate is designated as per on-duty planning.

The Incident Commander has the function of identifying priorities, establishing the objectives to be achieved and the strategies to be followed for managing the emergency. The IC may decide to assign some responsibilities to other individuals who shall, however, refer to him directly and continuously.

**For the management of the emergency inside the LPGC, the Incident Commander has full authority to manage the tactical response. In case of activation of the External Emergency Response Plan (see BP11), the coordination of the response to the external emergency is carried out by the Responsible Authority (Prefect of Potenza) in liaison with the Gestore-Incident Commander. An internal referent shall be sent to the external PCA: this role is covered by the Local/Regional Authorities Liaison.**

For accidents involving injuries or victims, the IC is supported by the Asset Operational Support and by the Victim/Injured Next of Kin Assistance Officer for the management of assistance to families and next of kin.

The Command function is identified with the colour **WHITE**.

- **Operations:** The personnel of the "Operations" section is responsible for managing tactical operations during the incident to achieve key objectives such as personal safety, environmental protection, fire containment and protection of the asset. It also ensures a direct link between emergency management objectives and the response actions taken on site by the ACP crisis cell.

In particular, the Operations section shall:

- Assist in the development of the operations response strategies and tactics of the Incident Action Plan.
- Oversee the execution of the operational part of the Action Plan.
- Maintain close contact with the situation in the field and provide technical assistance for the safeguarding of the plants.
- Request resources to support tactical operations through the logistics section.
- Provide the Incident Commander with reports on the situation and status of the resources in the field and request the upgrading of the site teams, or their rotation, if the emergency persists.

The Operations section is identified with colour **RED**.

- **Planning:** is responsible for preparing the Action Plan and collecting information on the state of resources. The "Planning" section is responsible for collecting, evaluating, and distributing tactical information. This information is needed to understand the current situation, predict a probable escalation of incidents, and prepare alternative strategies to mitigate the escalation. During an incident, the Planning section maintains a continuous assessment of the state of the situation and the factors that

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may influence the response, e.g., meteorological conditions, zone of dispersion of gaseous or liquid releases, risk of fire,

The Planning section is identified with the colour **BLUE**.

- **Logistics:** has the scope of providing the resources, services and means required by the incident response activities. The logistics section coordinates and analyses requests for additional resources and services in the form of personnel, facilities, IT support, specialist materials, means and additional first aid means.

The logistics section is identified with the colour **YELLOW**.

**Finance:** the “Finance” section is responsible for financial controls, tenders and claims management. This section provides monitoring of all expenses and cost registration for personnel, equipment, and response resources. Accidents often involve claims for property damage, business interruptions, or other issues such as health or medical claims. This section is identified as the Finance and Administration Officer on the site. If necessary, a functional link is established with the Finance and Insurance function of the CMC crisis cell.

The Finance section is identified with the colour **GREEN**.

The ICP crisis cell interacts with the ACP crisis cell via the On-Scene Commander.

OSC/RSES < = > ICP Director or ICP/ACP FOPS Liaison Officer

The ICP crisis cell interacts with the CMC crisis cell via the CMC Director.

ICP Director < = > CMC Director

The ICP crisis cell meets in the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara, or through a dedicated virtual room “ICP” available in TEAMS to manage and coordinate emergency if it is impossible to reach the ICP Emergency Room, (e.g., snow events or adverse weather conditions). (See **BP0**).

The first member of the ICP crisis cell to reach the ICP Emergency Management Room uses the form "**FO2 - 1** First arrival check list".

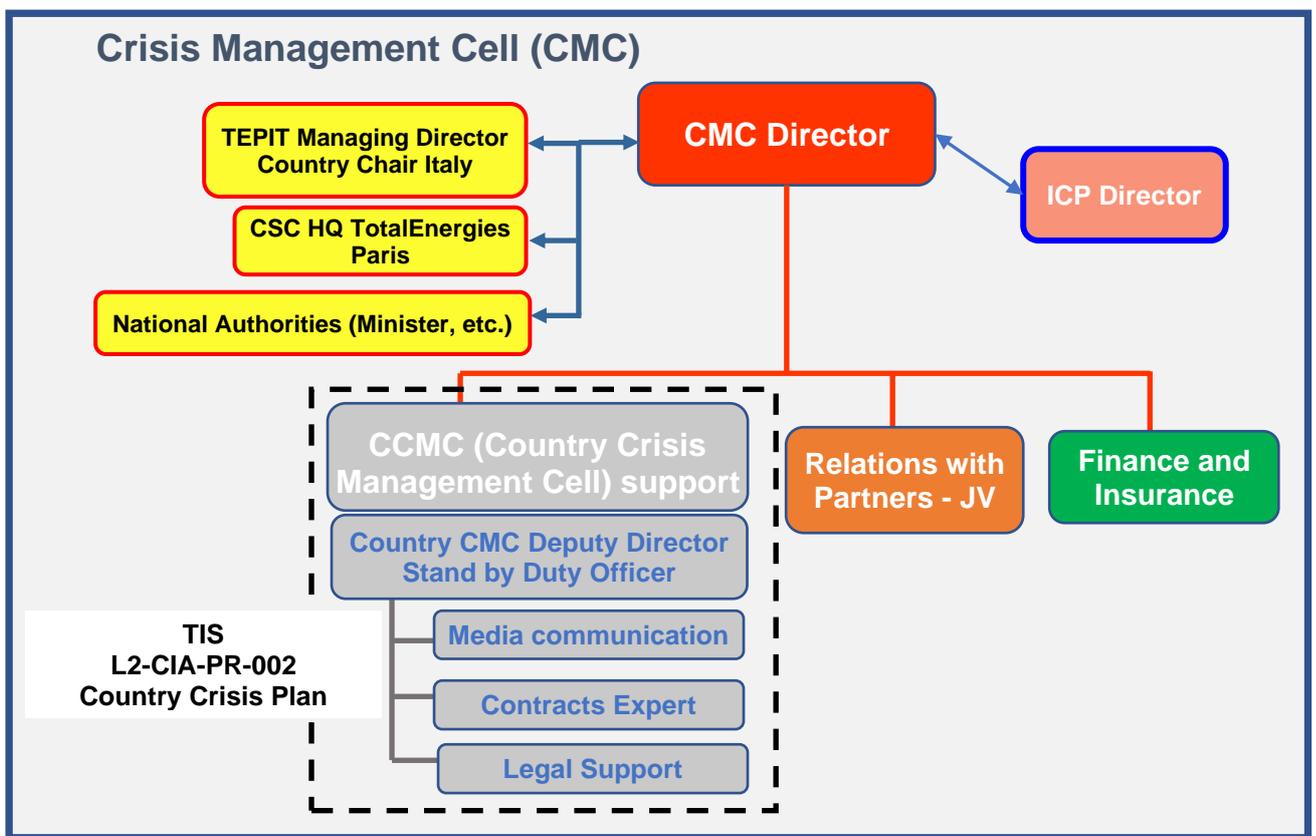
Each member of the ICP crisis cell who is present in the ICP Emergency Management Room shall register his presence on the form "**FO1 -2** ICP crisis cell members".

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## CMC "Crisis Management Cell"

The **Crisis Management Cell (CMC)** is made up of TEPIT staff.

The CMC crisis cell of TEPIT is assisted for some roles by TotalEnergies Italia Servizi (TIS), a company of TotalEnergies that provides transversal services to the various TotalEnergies business units present in Italy, including TEPIT. TIS through the CCMC (Country Crisis Management Cell), provides support for emergency management that requires skills and resources not available in TEPIT, according to the following scheme.



The roles and functions of the CCMC crisis cell are described in the document “L2-CIA-PR-002 - Country Crisis Plan” drawn up and managed by TotalEnergies Italia Servizi (TIS).

The CMC crisis cell has the aim of guaranteeing the support and "Strategic assistance" functions, which consists in evaluating the possibility that the incident can turn into a crisis, immediate or delayed over time, and attempting to avoid it or limit the impacts with preventive actions.

The main functions supported by the CMC crisis cell are the following:

- Non-local communication: management of external information supports (Media/Journalists, National Authorities, TotalEnergies Group, Partners) and internal (TEPIT collaborators).
- Legal and insurance assistance guarantees assistance on legal issues related to emergency management and provides for the availability of insurance experts to assess the consequences of an accident.
- Financial and contractual assistance: in support of the Finance / Administration function of the ICP crisis cell, it consists in ensuring that any cash requirements are met and identifying additional financial resources or evaluates and advises the ICP crisis cell on the contractual aspects of the emergency.

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<b>BP2</b>	<b>BASIC PRINCIPLES</b>	<b>RESPONSE AND ORGANIZATION OF THE EMERGENCY</b>
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The CMC crisis cell, through **the CMC Director**, allows coordination with the **TEPIT Managing Director-CEO**, as well as Country Chair Italy, with the **Crisis Support Cell of the TotalEnergies Group (CSC)**, gathered at the Paris office and other national authorities not managed by the ICP crisis cell.

For the above functions, the CMC Director can also request the support of the CCMC crisis cell according to the Country Crisis Plan - L2-CIA-PR-002.

The CMC crisis cell interacts with the ICP crisis cell by the ICP Director.

The CMC crisis cell contacts the CCMC crisis cell via:

- the Country CMC Deputy Director during normal weekly working hours,
- the Standby Duty Officer outside normal weekly working hours.

The CMC crisis cell meets at the CMC Crisis Management Room of TotalEnergies Offices in Milan, or through a dedicated virtual room “CMC” available in TEAMS to manage and coordinate emergency it is impossible to reach the ICP Emergency Room, (e.g., snow events or adverse weather conditions). (See **BP0**).

The CCMC crisis cell meets at the same crisis room of CMC in the Milan office.

The first member of the CMC crisis cell to reach the Emergency Management Room of Milan uses the form "**FO2 - 1** First arrival check list".

Each member of the CMC crisis cell who is present in the Emergency Management Room of Milan shall register his presence on the form "**FO1 -3** CMC crisis cell members".

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<b>BP3</b>	<b>BASIC PRINCIPLES</b>	<b>ROLES ASSIGNMENT &amp; ON-DUTY MANAGEMENT</b>
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## BP3 - ROLES ASSIGNMENT AND ON-DUTY MANAGEMENT

Each role of crisis cells is assigned to an owner. Substitutes are defined for each role. In case of absence, each owner designates their own substitute.

The members of the Owner and Substitute roles of each crisis cell are appointed by the TEPIT Managing Director through a specific **Organization Note** also available on the TEPIT Intranet site.

A shared folder on the TEPIT server (W: \ Entity \ 120-CRISIS MANAGEMENT) and in TEAMS channel "Emergency Management Tempa Rossa" contains the documents for emergency management and the file "Emergency\_Cells\_On\_Duty\_Personnel", to identify on-duty people with the names and telephone number of the owners and substitutes of the role, for each shift.

The crisis cells roster it is constantly updated by each function owner to indicate people (Owner or Substitute) on duty.

If at the time of activation of the Internal Emergency Response Plan, both the owner and the substitute are absent, the Director of the crisis cell appoints another person from the branch staff.

The roles of the crisis cell members are defined in the function sheets, section Job Tickets.

**Each person participating in the Emergency Response Plan is responsible for knowing their role.**

In relation to the function requested in the emergency, there are the following obligations of the statute:

- **ROT:** rotational, work 7 days a week and presence inside the establishment is ensured during 12 hours of the day. During the night, the members on-duty remain in site vicinity with intervention time in 30 minutes, for the entire duration of the rotation.
- **REP:** availability, work 5 days a week, availability 24 hours a day, available on call to reach the ICP/CMC Emergency Management Room within 120 minutes, for the entire duration of availability.
- **DISP:** availability, work 5 days a week, availability 24 hours a day, available on call (telephone and computer), in Italy, for the entire duration of the availability.

## ACP Crisis Cell composition

The composition of the ACP crisis cell is described below:

<b>ACP TEAM</b>		
<b>STATUTE</b>	<b>ROLE</b>	<b>FUNCTION</b>
ROT	ON-SCENE COMMANDER	RSES
ROT	INSTALLATION SHUTDOWN LEADER	Operating Authority
ROT	INTERVENTION LEADER	HSE Superintendent
ROT	PROCESS AND REPORTING	Field Engineer
ROT	MAINTENANCE AND LOGISTIC SITE SUPPORT	Maintenance Superintendent
ROT	ACP EVENT LOGGER	Reliability Engineer
-	MUSTER AND EVACUATION LEADER	Security Team Leader on-duty
-	MEDICAL TEAM LEADER	Medical Doctor on duty

**It meets in the ACP Emergency Management Room Area N.**

The ACP Team is present at the Tempa Rossa Oil Centre during 12 hours of the day. During the night, the members of the ACP team on-duty remain in site vicinity with intervention time in **30 minutes**.

**From Monday to Friday (08:00-17:00): the Firefighting and Rescue Team of the LPG Centre is composed by the following personnel.**

<b>LPGC FIREFIGHTING &amp; RESCUE TEAM</b>		
<b>ROLE</b>	<b>FUNCTION</b>	<b>Nr.</b>
LPGC INTERVENTION TEAM LEADER	TEPIT Operator	1
FIREFIGHTING & RESCUE TEAM	TEPIT Operator	2
	HSE Supervisor	1
	Italfliud Operator	2

The Firefighting & Rescue Team reaches the LPGC Firefighting Room and proceed on site, at the place of the event, on demand of RSES/RSES-D.

**On demand of RSES, nr. 2 firefighters from the Oil Centre Professional Team (Maersk) may join the LPGC Firefighting & Rescue Team.**

**From Monday to Friday (17:00-08:00), on weekends and on festivities is available the Oil Centre Firefighting & Rescue Team.**

<b>BP3</b>	<b>BASIC PRINCIPLES</b>	<b>ROLES ASSIGNMENT &amp; ON-DUTY MANAGEMENT</b>
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<b>OC FIREFIGHTING &amp; RESCUE TEAM</b>		
ROLE	FUNCTION	Nr.
SITE INTERVENTION TEAM LEADER	TEPIT Operator	1
FIREFIGHTING	TEPIT Operator	4
Professional FIREFIGHTING/RESCUE	Maersk Operator	2

The TEPIT members of the Firefighting Team are qualified to cover that role by specific training, they are appointed by TEPIT Managing Director and are present within the "Intervention Team Members" Register.

The **Medical Team** is composed by the following personnel:

<b>MEDICAL TEAM (Oil Center Clinic - 7/7 H24)</b>		
ROLE	FUNCTION	Nr.
Medical Assistance	Doctor	1
	Nurse	1
	Ambulance driver	1

In addition, for the safety of the installations during the emergency, the following team supports the RSES:

<b>LPGC CONTROL ROOM</b>		
ROLE	FUNCTION	Nr.
GPLC CR LEADER*	RSES-D	1

\*From Monday to Friday (08:00-17:00), except for the festivities.

During night shift, at the LPGC is present 1 TEPIT Operator + 1 Security Operator.

<b>OIL CENTRE CONTROL ROOM TEAM (7/7 H24)</b>		
ROLE	FUNCTION	Nr.
CCR LEADER	Shift Supervisor	1
CCR PANEL OPERATOR	CCR operator	2

## ICP Crisis Cell composition

The composition of the ICP crisis cell is described below.

ICP - CORE TEAM			
STATUTE	SECTION	ROLE	POSITION OWNER
REP	COMMAND	INCIDENT COMMANDER	Asset Director Gestore D. Lgs. 105/2015
REP	COMMAND	LOCAL/REGIONAL AUTHORITY LIAISON	HSSE Director
REP	COMMAND	ICP/ACP FOPS LIAISON OFFICER	Production Director
REP	PLANNING	HSE OFFICER	Head of the Environment Department
REP	PLANNING	ICP EVENT LOGGER	Fluid Environment & Operation Safety Leader
REP	LOGISTICS	LOGISTICS AND GENERAL SERVICES OFFICER	Head of Logistic & Facilities
REP	FINANCE	SITE FINANCE AND ADMINISTRATION OFFICER	Asset Business Performance & Geoinformation
ICP - STAND-BY TEAM			
STATUTE	SECTION	ROLE	POSITION OWNER
REP	OPERATIONS	ICP/ACP FOPS LIAISON OFFICER	Production Director
REP	OPERATIONS	EXPORT / RELATIONS WITH ENI OFFICER	Export Coordination
REP	OPERATIONS	DRILLING EXPERT	Drilling Spdt.
REP	COMMAND	INJURED/VICTIMS' FAMILIES/NEXT OF KIN ASSISTANCE OFFICER	Head of Human Resources Department
DISP	PLANNING	MARKETING AND SHIPPING OFFICER	JV Representative
DISP	LOGISTICS	TELECOM & INFORMATIC SERVICES (IT) OFFICER	IT & Telecommunication Services

**It meets in the ICP Emergency Management Room at the TEPIT Offices of Guardia Perticara.**

**CMC Crisis Cell composition**

The composition of the CMC crisis cell is described below.

STATUTE	ROLE	POSITION OWNER
REP	CMC DIRECTOR	Institutional Affairs, External Relations and CSR Director
DISP	RELATIONS WITH PARTNERS - JV	Head of the Joint Venture Department
DISP	FINANCE AND INSURANCE	Finance Director

**It meets in the CMC Emergency Management Room at the TotalEnergies Offices in Milan.**

**CCMC Crisis Cell composition**

The roles and functions of the CCMC crisis cell are described in the document “L2-CIA-PR-002 - Country Crisis Plan” drawn up and managed by TotalEnergies Italia Servizi (TIS).

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<b>BP4</b>	<b>BASIC PRINCIPLES</b>	<b>ALERT SCHEME</b>
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## BP4 - ALERT SCHEME

The Internal Emergency Response Plan is activated only in case of a significant accident, or in case the **RSES** assesses the risk of escalation to a major accident. For example:

- leakage of toxic products or gases, a fire or explosion posing a serious risk to people, the environment, and the asset.
- A serious medical case involving multiple people, or death.
- A media case involving the image of the Company.

The Internal Emergency Response Plan provides the activation of the following crisis cells:

- ▶ "Advanced Command Post on Site", at the ACP Emergency Management Room (Oil Centre Tempa Rossa, Administrative Office-Area N).
- ▶ "Incident Command Post", at the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara and, if necessary, at Taranto Offices.
- ▶ "Crisis Management Cell", at the CMC Emergency Management Room of TotalEnergies Offices in Milan.

In addition to Emergency Management Rooms, dedicated **virtual rooms** for ACP/ICP/CMC crisis cells are available in TEAMS to manage and coordinate the emergency. (See **BP0**).

The **ACP** crisis cell:

- is activated automatically by the PA/GA, with confirmation by the **RSES**, or by his designated substitute. In case of unavailability, his designated substitute is the **Operating Authority**. During the night shift, his substitute is the **Shift Supervisor** that assumes responsibility until the RSES, and Intervention Leader reach the Site.
- Is activated upon decision of the RSES also for events which the PA/GA automatic alert system is not activated.

**In case of activation of the ACP crisis cell, the RSES:**

- ➔ **assumes the role of On-Scene Commander.**
- ➔ **Promptly informs the Gestore.**

The **ICP** crisis cell:

- is activated upon decision of the **Gestore** based on information provided by the OSC.

**In case of activation of the ICP crisis cell, the Gestore:**

- ➔ **informs the CMC Director, if necessary.**
- ➔ **Promptly inform the TEPIT Managing Director.**

The **CMC** crisis cell:

- it is activated on the decision of the **CMC Director** also based on the request of the ICP Director.

**The activation of the ICP and CMC crisis cells shall be carried out only if the resources available for the ACP crisis cell are not sufficient to quickly control the event, or if there is a risk of escalation to major accidents, or if the involvement of the public authority is necessary.**

In case of significant accident within the Oil Centre, the **TEPIT Managing Director** also Country Chair Italia is informed by the ICP Director or by the CMC Director.

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<b>BP4</b>	<b>BASIC PRINCIPLES</b>	<b>ALERT SCHEME</b>
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**Once alerted, the TEPIT Managing Director also Country Chair Italia, she/he informs the CSC Director.**  
The CMC Director maintains links with the CSC Director and the TEPIT Managing Director.

## Warning and emergency devices

The Tempa Rossa LPGC is equipped with alarm communication devices designed to be manually or automatically activated, in the event of unfavourable conditions with the purpose to “raise the alert” with audible/visual alarm.

In detail, the communication systems that can be used to communicate the alert or other information during emergency situations are the following:

- ▶ **Group of luminous (flashing) and acoustic (sirens) alarms**, linked to the PA/GA, with automatic or manual activation (from the LPGC CR, from the field via MACs or from the Fire & Gas System), with coverage over the entire area of the establishment.
- ▶ **Fixed Phone network (yellow telephones)** within the plant areas with the possibility of immediately contacting the LPGC CR by dialling a rapid emergency number (**number 400**).
- ▶ **Telephone network inside the buildings and in the LPGC CR** for connection with the outside.
- ▶ **Two-way internal communication system with portable radios**, supplied to TEPIT operators and members of the first Intervention Team of a type suitable for use in areas classified as explosive atmospheres.

The PA/GA system allows to generate an acoustic (siren) and optical (flashing) signal and to transmit a specific voice message in case of emergency from the LPGC Control Room.

The acoustic signal generated by the sirens of the PA/GA of the LPG Centre for internal emergency is as follows:

- General alarm (flammable gas - fire):**
- ▶ Intermittent tone - 1000 Hz. 1 second on/1 second off.
  - ▶ Red light.
  - ▶ Action: the staff leaves the operational activity and reaches the Muster Point according to the indications of the LPGC Control Room.

In addition to the internal emergency alarm for **external emergency** is associated following sound:

- ▶ Continuous tone at a fixed frequency - 1000 Hz.

**The external emergency alarm is activated by the LPGC CR by order of the On-Scene Commander on the directive of the ICP Director.**

It is the responsibility of every person present in the plant (Employees, Contractors, Visitors, etc.) to know the different alarm signals and what are the behaviours to be followed and the immediate actions to be taken in case of emergency. This information is transmitted to every person who accesses to the Plant through the HSE Induction provided at the first access to the LPGC.

All staff shall know the position and the routes to the muster point, which is indicated by appropriate exit signs. The Muster Point is also indicated in the layouts posted in various places of the establishment.

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<b>BP4</b>	<b>BASIC PRINCIPLES</b>	<b>ALERT SCHEME</b>
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### LPG Centre Technical Building

The people who are inside the technical building of the LPGC (offices, control room, guard post, technical rooms), except for the personnel necessary for the emergency (First Intervention Team and RSES-D) in case of activation of alarm signals acoustic and visual generated by the PA/GA sirens, shall reach the Muster Point in the external car park to register for the POB (attendance register).

Depending on the situation, the RSES/OSC will request, also through the Muster and Evacuation Leader if the ACP crisis cell has been activated, the re-entry inside the buildings, the stay in the muster area or the evacuation outside of the plant (see **BP7**).

## **Actions in the event of an emergency being detected**

### Incidental Event

Any person in the facility who notices an incident such as fire/explosion/gas leak shall:

- ▶ **Move away from the accident site** and go to a safe place.
- ▶ **Raise the alarm in one of the following ways:**
  - call the LPGC CR through one of the fixed field phones (**Yellow Telephone - rapid emergency number 400**).
  - Call the LPGC CR via a telephone outside the plant (**0971 96 4403**).
  - Call the OC CR by calling **0971 965873**.
  - Inform the Control Room **via radio**.
  - Activate a **Manual Call Point**, located in different points of the plant.
  - Alert an **TEPIT Operator**.
- ▶ **Inform the Control Room indicating:**
  - the location and nature of the accident;
  - your name and place where you are located;
  - all information about the injured or trapped person, if any.
- ▶ If it is safe to do so, if the person is adequately trained and if authorized by the control room, try to manage the event using the emergency equipment present on site.
- ▶ If the incident cannot be safely controlled, leave the area (if it is in an enclosed area, close all doors behind you).
- ▶ Respond to the indications provided by the alarm system or Intercom - Public Address (PA).

### Accident (see also Annex SR7)

Any person who identifies an **injured person** must:

- ▶ do not approach or move the victim unless necessary and safe to do so:
- ▶ raise the alarm through the nearest means:
  - call the LPGC CR (Yellow telephone - rapid emergency number **400**).
  - call the control room by radio.
- ▶ Inform the control room of the presence of an injured person as soon as possible, providing the following details:
  - the position of the injured person, identifying him if known.
  - The type of injury.
  - Your name and position.
- ▶ Carry out first aid only if trained or if strictly necessary.

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- ▶ Assist the injured person until the arrival of the Medical Team or the First Intervention Team if the permanence in the area does not jeopardize their safety.

Terrorist Attack (see also Annex SR8)

Anyone observing a potential **terrorist attack** must:

- ▶ sound the alarm to attract the attention of nearby personnel or call the LPGC CR (Yellow Telephone - rapid emergency number 400).
- ▶ if not able to attract attention immediately, give the alarm through the nearest means:
  - call the LPGC CR (Yellow telephone - rapid emergency number 400).
  - Call the control room by radio.



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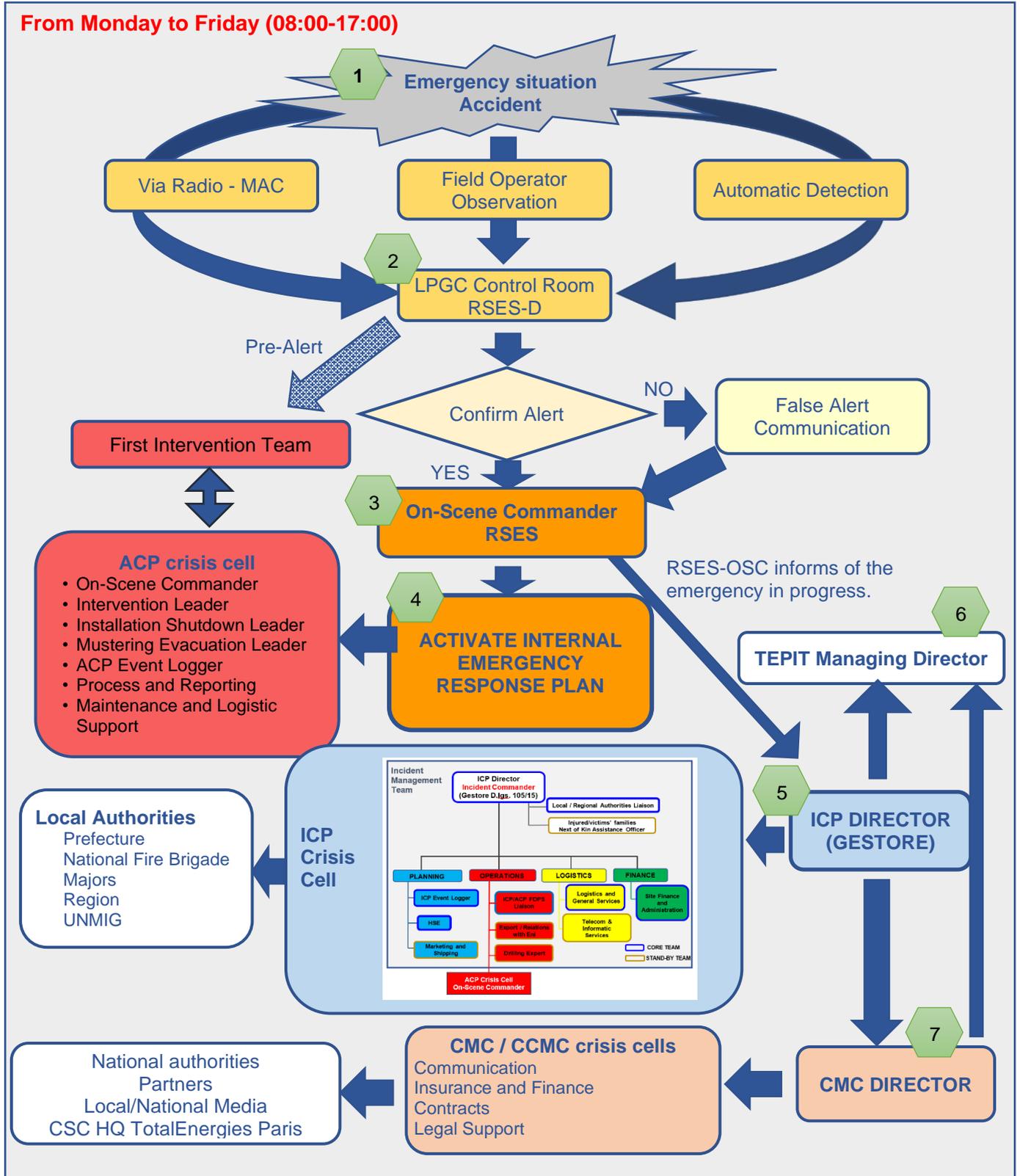
BP4

BASIC PRINCIPLES

ALERT SCHEME

## The Alert Scheme

From Monday to Friday (08:00-17:00)





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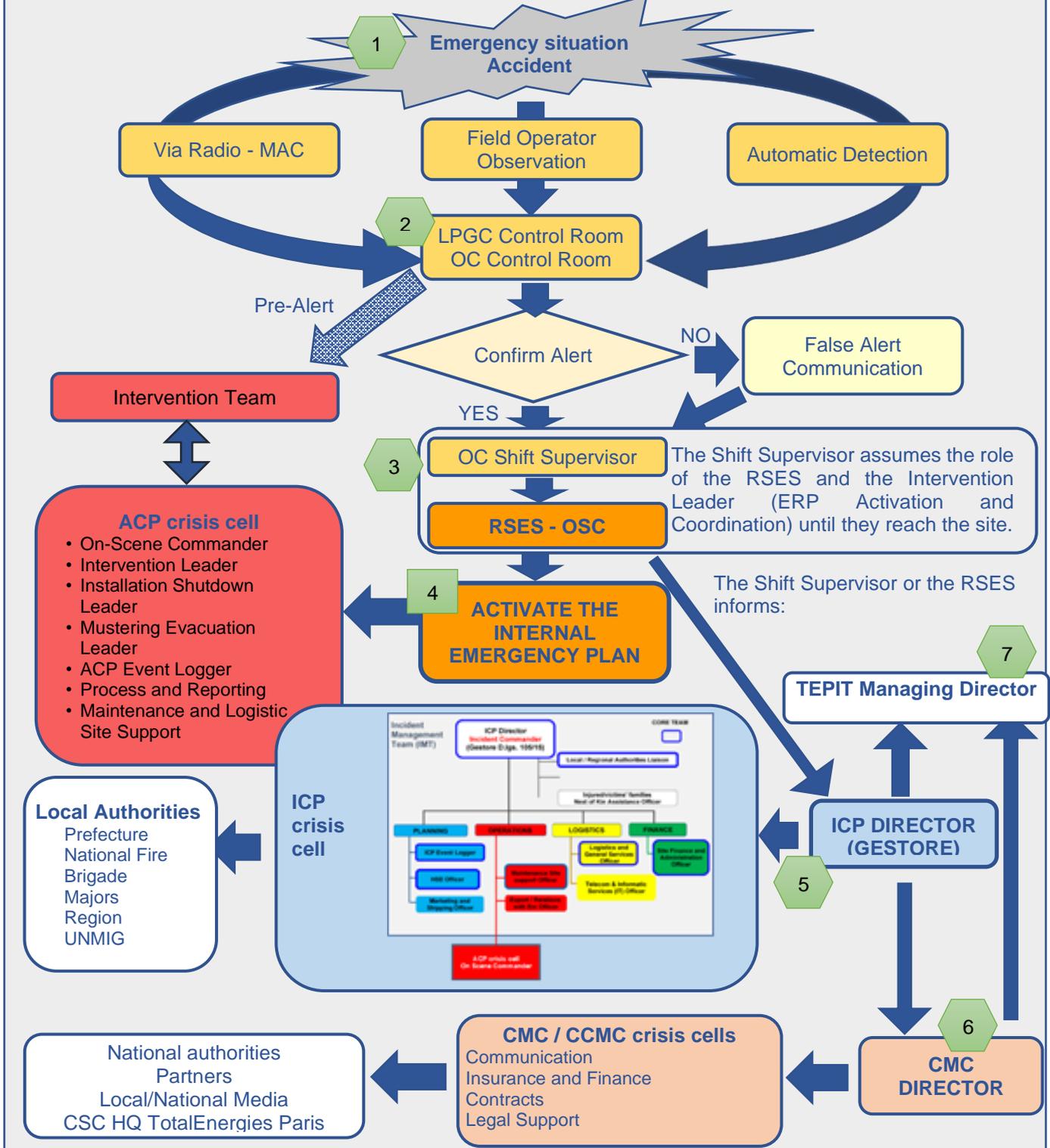
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### BASIC PRINCIPLES

### ALERT SCHEME

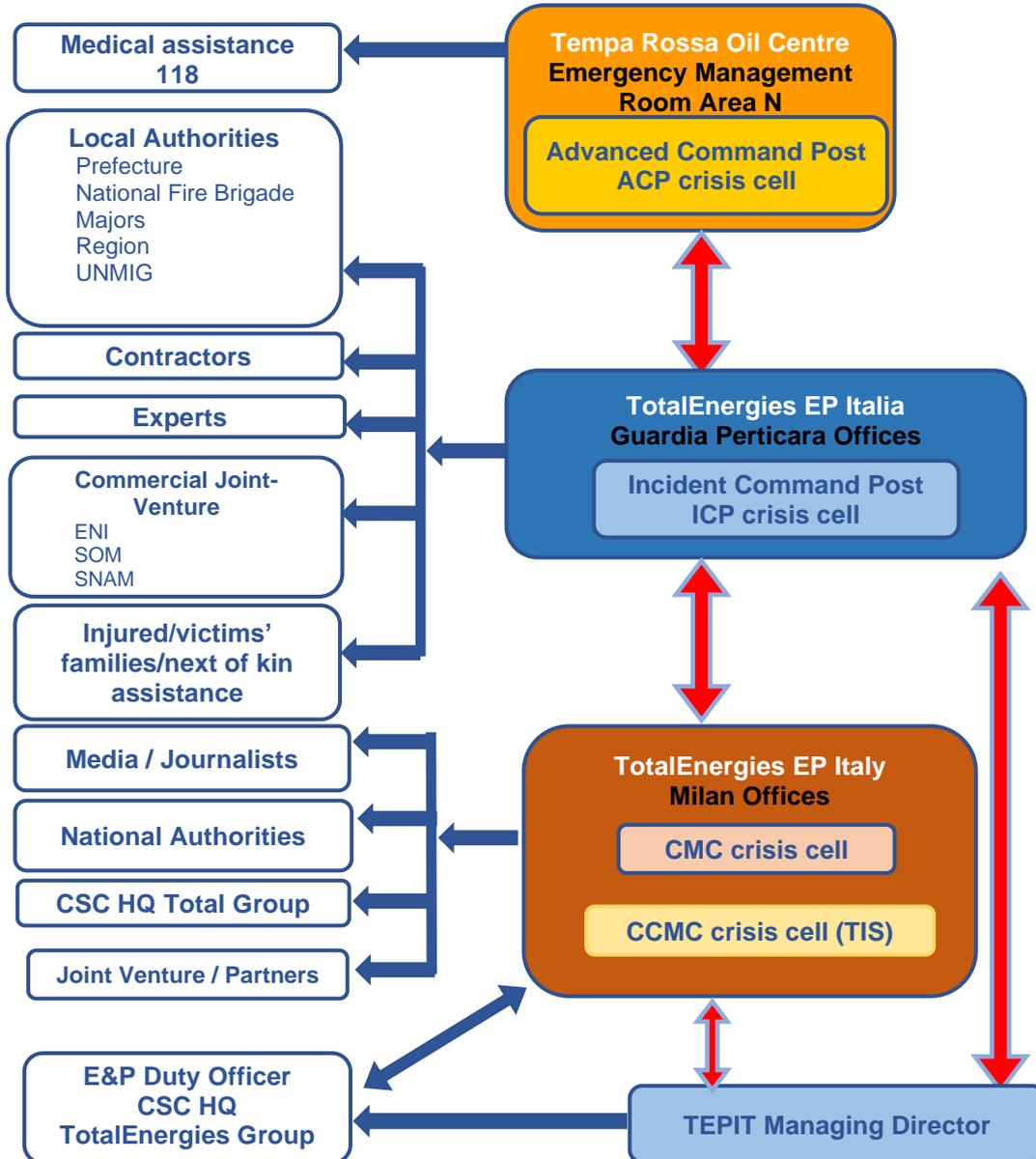
From Monday to Friday (17:00-08:00), weekend and festivities.



<b>BP5</b>	<b>BASIC PRINCIPLES</b>	<b>NOTIFICATIONS AND COMMUNICATIONS</b>
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## BP5 - NOTIFICATIONS AND COMMUNICATIONS

The Internal Emergency Response Plan provides that notifications and communications outside TEPIT are carried out by the 3 crisis cells according to the following scheme:



The telephone numbers are indicated in the Annex "RE1 - Telephone numbers and useful contacts".

Formal communications with the Authorities as part of the External Emergency Plan are carried out through the forms **FO10** – "PEC Communication Modules External Emergency Plan" (ref. **BP11**).

For the notification and communication of the emergency the form **FO7** "Incident Status" is used.

The contact between the site and the local/regional public authorities remains the ICP crisis cell: if necessary, any request for additional means is sent to the IC through the On-Scene Commander.

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<b>BP5</b>	<b>BASIC PRINCIPLES</b>	<b>NOTIFICATIONS AND COMMUNICATIONS</b>
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An exception is the request for **medical assistance** (118) which can be formulated by the Medical Team of the ACP crisis cell. However, in this eventuality, the ICP Director shall be promptly informed.

For **notifications** and **internal communications to crisis cells**:

- The On-Scene Commander ensures communication between the ACP and the ICP crisis cells, also through the ICP/ACP FOPS Liaison Officer.
- The ICP crisis cell interacts with the CMC crisis cell via the CMC Director.
- The CMC crisis cell contacts the CCMC crisis cell via:
  - the Country CMC Deputy Director during normal weekly working hours,
  - the Standby Duty Officer outside normal weekly working hours.

The communications between the crisis cells are carried out through the following means available, depending on their availability:

- ▶ Landline phone.
- ▶ Mobile phone.
- ▶ E-mail. There are email addresses dedicated to the emergency:
  - ➔ [tepit.acp@totalenergies.com](mailto:tepit.acp@totalenergies.com) (ACP crisis cell).
  - ➔ [tepit.icp@totalenergies.com](mailto:tepit.icp@totalenergies.com) (ICP crisis cell).
  - ➔ [tepit.cmc@totalenergies.com](mailto:tepit.cmc@totalenergies.com) (CMC crisis cell).
- ▶ Video Conference.
- ▶ Radio.
- ▶ Dedicated laptop.

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<b>BP6</b>	<b>BASIC PRINCIPLES</b>	<b>INITIAL BRIEFING AND TIME OUT</b>
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## BP6 - INITIAL BRIEFING AND TIME OUT

This basic principle summarizes the elements useful to effectively conduct initial briefings and periodic time-outs.

▶ **Purpose of the initial and regular briefings:**

The main purpose of the briefings is to ensure that crisis cell members have access to the same level of information.

The initial briefing allows to determine a first report on the progress of the information and to list the activities of the team, immediately after the mobilization of the crisis cell members.

Subsequent briefings allow to summarize the events that occurred, and the information received (from the previous briefing) and to define the objectives of the work.

▶ **Basic principles of regular briefings:**

- **Limited duration:** 2 to 3 minutes maximum.
- **Participation of each member:** stop of the activities and participation of each member present in the crisis room.
- **Rigor in management and control:** keep conciseness, be essential, avoid wandering, control the time.
- **Regularity:** organize briefings on a regular basis, for example every half hour or at the beginning of each hour. This must be communicated by the Cell Director to the people present "time out in X minutes".
- **Planning:** at the end of each briefing, remember to plan the time for the next briefing.

▶ **Main rules to follow during briefings - General:**

- Time controller.
- Clearly distinguish main information from secondary information.
- Clearly distinguish consolidated elements from additional information.
- Don't get involved in troubleshooting.
- Ensure proper control of ongoing actions.
- Formalize the new actions to be put into practice.

▶ **Main rules to be respected during briefings - ACP crisis cell:**

- Inform the Site Intervention Team Leader that there will be a time-out in two (2) minutes via an alert notification: "In 2 minutes we will have a time-out"
- Ask each if they have more recent news or know other important facts.
- Open the time-out by announcing it verbally and ask everyone not to pick up the phone (or pick up the phone to inform people who will call after the timeout).
- Illustrate the status of the accident.
- Highlight unknown problems.
- Provide clear tasks to members of the Intervention Team.
- Make sure the actions are noted by the Event Logger on a white board: "pending actions".
- Check / request extra resources.
- Check / ask if there are other problems / requests.
- Provide extra time for the next "time out" (in the early hours or +/- every 15 minutes).
- Close the time-out by verbally announcing it.
- 

The typical development of the time-out phases of an emergency is as follows:



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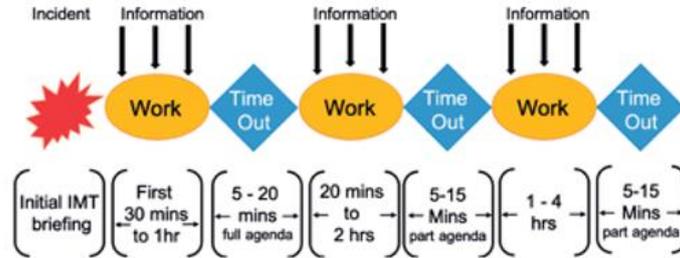
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BP6

BASIC PRINCIPLES

INITIAL BRIEFING AND TIME OUT



<b>BP7</b>	<b>BASIC PRINCIPLES</b>	<b>ALARM, ESCAPE, MUSTERING AND EVACUATION MODES</b>
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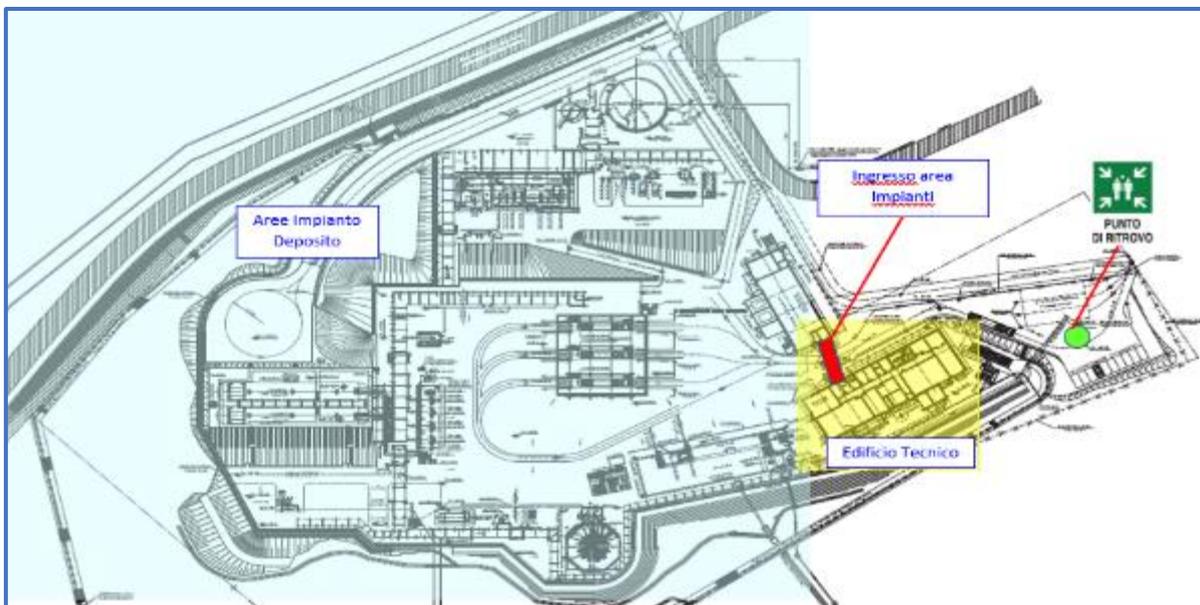
## BP7 - ALARM, ESCAPE, MUSTERING AND EVACUATION MODES

In the event of activation of the PA/GA alarm, and in accordance with the PA/GA voice announcement, all personnel within the LPGC (except for the members involved in emergency management) shall suspend any activity in progress, secure the equipment and the workplace and reaches the **Muster Point**.

### DEFINED MUSTER POINT

A Muster Point has been identified for the LPGC:

1. Parking outside the fence.



The Muster Point is identified by the following sign:



People gathered at the Muster Point must not obstruct rescue operations.

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<b>BP7</b>	<b>BASIC PRINCIPLES</b>	<b>ALARM, ESCAPE, MUSTERING AND EVACUATION MODES</b>
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#### MANAGEMENT OF THE POB (Personnel on Board)

The POB is the list of personnel presents on site. It is constantly updated by Security personnel (Muster Counter). The POB is used during the mustering and evacuation phases, to check people present and identify missing people.

Furthermore, once they have reached the Muster Point, each person must report their presence to the Muster Counter, who will check through the attendance register. It is not allowed to leave the Muster Point without indication of the Muster Point.

#### MUSTERING FROM THE PLANT AREAS

During the alert, each person who does not have a specific role in the emergency response joins the assigned muster point, unless otherwise indicated through the PA/GA voice announcement.

The Muster Counter, is therefore responsible for counting the POB, identifying missing persons, and for the correct evacuation.

#### GATHERING OF THE ACP CRISIS CELL (Oil Centre)

The members of the ACP crisis cell, except for the members of the First Intervention Team and the necessary staff in the CCR (Shift Supervisor and CCR Panel Operators), gather the ACP Emergency Management Room in Area N. At the entrance to the ACP Emergency Management Room there is a badge reader for the POB.

The members of the LPGC First Intervention Team (From Monday to Friday, 08:00-17, except for festivities) gather the LPGC Firefighting Room of the Technical Building and communicate their presence to the RSES-D. The Site Intervention Team Leader ensures that the names of all the members of the First Intervention Team have been communicated and recorded before the intervention on site.

#### MEETING FOR THE STAFF PRESENT IN THE TECHNICAL BUILDING OF THE LPGC

The people who are inside the LPGC Technical Building (offices, control room, guard post and technical rooms), except for the personnel necessary for the emergency (e.g., First Intervention Team, RSES-D, etc..) in case of activation of alarm signals acoustic and visual generated by the PA/GA sirens, gather at the Muster Point in the outdoor car park to register for the POB (attendance register).

Depending on the situation, the RSES/OSC will request, also through the RSES-D the re-entry inside the buildings, the maintenance of the garrison at the Muster Point or the evacuation outside the plant. (See **BP4**).

Where confinement inside buildings is required, it must be ensured that doors and windows (where present) are closed to prevent the entry of any flammable gases released from plant areas. The presence of flammable gas detectors in the building air intakes allows monitoring of the external atmosphere.

#### SEARCH FOR MISSING PEOPLE

If some people are missing at the Muster point, the OSC could organize a back-up team to search for and rescue missing persons (Rescue Team). Search and rescue teams must be composed of at least 2 people: the number of teams mobilized depends on the POB.

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## EVACUATION

The OSC will decide when to perform a partial or complete evacuation of the plant based on the evolution of the emergency.

If the evacuation is announced, it will take place, in the manner communicated, through the access point of the plant.

In case of complete evacuation, or abandonment of the site, the RSES-D will make PA announcements regarding the evacuation method, on the directive of the OSC.

## EXTERNAL EMERGENCY ALARM

In the event of an emergency associated with a major accident, the Gestore, on the advice of the Direttore Tecnico dei Soccorsi (Fire Brigade) after consulting the Prefect, may request the OSC to activate the siren sound for the External Emergency. (See **BP2**).

This sound allows the population outside the establishment to implement the protection measures established in the External Emergency Plan.

**This alarm for external emergency is activated by the LPGC Control Room by order of the On-Scene Commander on the directive of the ICP Director (Gestore if present or his Substitute).**

**The External Emergency siren is activated via a button on the PA/GA console in the LPGC Control Room.**

The siren, being associated with a serious emergency, should be started after the activation of the PA/GA siren for General Alarm/Fire. For the personnel inside the plant, the sound of the external emergency siren does not introduce any further provisions compared to the other PA/GA alarms and reiterates the request to go to the **Muster Point**.

The external emergency siren must not in any way activate the complete evacuation of the site with abandonment of the Muster Point.

The evacuation of personnel, or abandonment of the site, if necessary, will be communicated through the voice announcement of the PA/GA, on the directive of the OSC.

In summary:

### **(A) LISTENING TO THE PAY ALARM - GENERAL / FIRE / FLAMMABLE GAS:**

- Audible alarm **signal: intermittent tone -1000Hz. 1 second on / 1 second off.**
- Alarm in case of confirmed detection of Fire, Flammable Gas, or another general emergency situation
- Visual alarm signal: light **Red** Flashing.

- ▶ The General alarm can be started automatically by the Fire & Gas system (Fire or Flammable Gas detection) or manually started from one of the PA access control panels.
- ▶ **All personnel shall go to the Muster point and register their presence through the Muster Counter.**
- ▶ Emergencies are controlled by the ACP crisis cell. Once the emergency is identified, staff will be informed of the situation and any action required.
- ▶ To facilitate the verification of the POB, people present on site shall meet in an orderly manner to allow the Muster Counter to complete the count of people present at the Muster Point.
- ▶ The personnel present inside the Technical Building of the LPGC (offices, control room, guard post, technical rooms), except for the personnel necessary for the emergency gather at the Muster Point in the external car park to register for the POB (attendance register).

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Depending on the situation, the RSES/OSC will request, also through the RSES-D, the re-entry inside the building, the stay at the Muster Point or the Evacuation outside the plant (see **BP4**).

**(B) LISTENING TO THE PA/GA ALARM - EXTERNAL EMERGENCY - PEE SIREN:**

→ Audible alarm signal: **Continuous sound at a fixed frequency of 1000 Hz.**

- ▶ The External Emergency signal (PEE Siren) is activated by the LPGC Control Room (manual button activation) at the request of the ICP Director (the Gestore or his substitute), through the OSC. (**BP2**).
- ▶ All personnel shall proceed to the assigned muster point and register their presence through the Muster Counter.
- ▶ Emergencies are managed by the ACP crisis cell. Once the emergency is identified, personnel will be informed of the situation and any action required.
- ▶ To facilitate the verification of the POB, people present on site shall meet in an orderly manner to allow the Muster Counter to complete the count of people present at the Muster Point.
- ▶ The personnel present inside the Technical Building of the LPGC (offices, control room, guard post, technical rooms), except for the personnel necessary for the emergency (e.g., the control room operators, the RSES- D, etc..), they gather at the Muster Point in the external car park to register for the POB (attendance register).

Depending on the situation, the RSES/OSC will request, also through the RSES-D, the re-entry inside the building, the stay in Muster Area or the Evacuation outside the plant (**BP4**).



TotalEnergies EP Italia

BP8

BASIC PRINCIPLES

MEDEVAC PROCEDURE

### BP8 - MEDICAL ASSISTANCE PROCEDURES - MEDEVAC

The MEDEVAC procedure defines the provisions for the medical evacuation of personnel present on the site, in case of injury or illness from the Site to public medical emergency facilities in Basilicata.

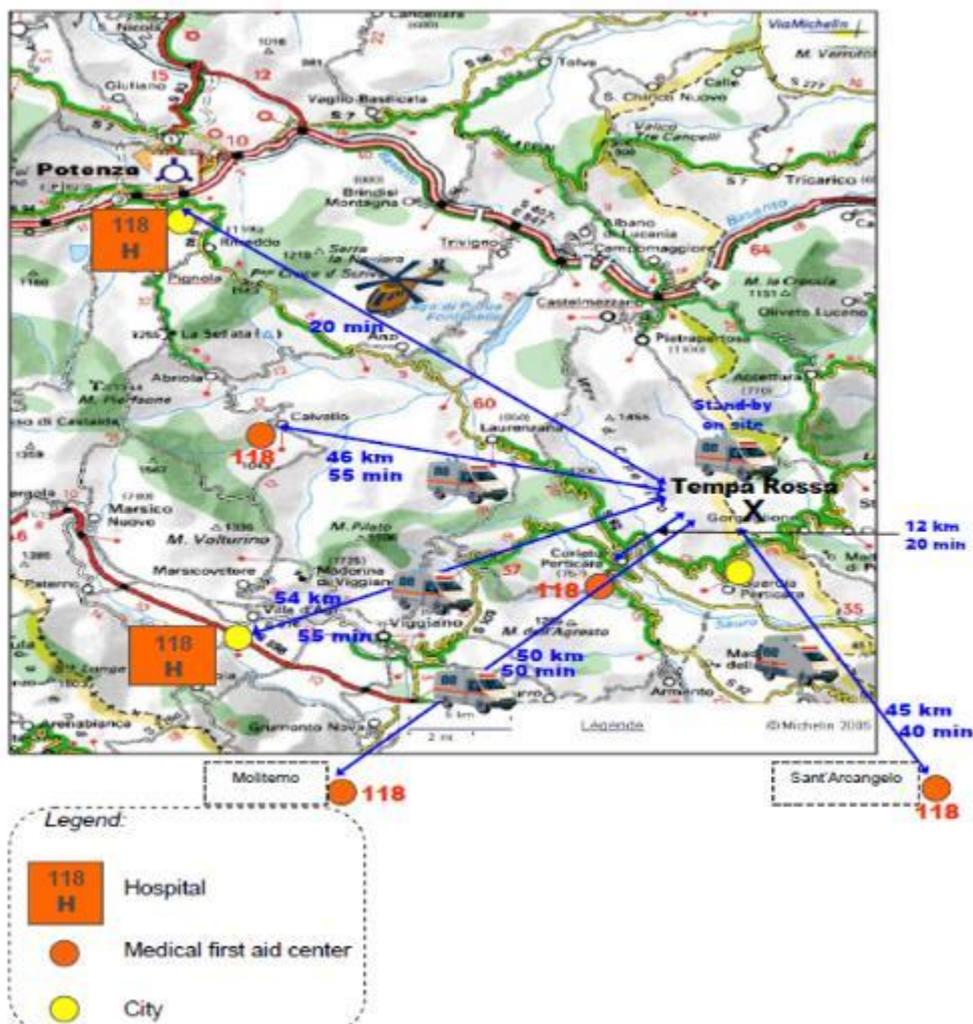
The TEPIT Medical Evacuation Procedure 3-PR-QHSE-019 is available on the TEPIT CMS.

The helipad, located in Area R of the Tempa Rossa Oil Centre, was designed to be used during MEDEVAC. The rendez-vous (with the 118) takes place in the parking area of Guardia Perticara.

The procedure applies to all TEPIT employees and contractors of the Company, including visitors who may be present on the Tempa Rossa site.

#### Public health emergency structures in Basilicata

The distances and times to reach the closest health facilities in Basilicata are as follows:



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<b>BP9</b>	<b>BASIC PRINCIPLES</b>	<b>MANAGEMENT OF THE RECOVERY PHASE</b>
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## BP9 - MANAGEMENT OF THE RECOVERY PHASE

This sheet describes the procedures relating to how to restore functions following a major accident, at the end of the emergency situation.

The management of the recovery of the plant functions includes the following phases:

- ▶ Securing the area (ACP crisis cell). It includes, if necessary, the intervention of workers (scaffolding, mechanical, electrical etc.) to ensure the final safety of the plant.
- ▶ Assistance to victims / injured and employees (ACP/ICP/CMC crisis cells).
- ▶ Decontamination or treatment of contaminated collected water (ACP/ICP crisis cells).
- ▶ Formal notifications (ICP/CMC crisis cells), including Seveso notifications as per Annex 6 of D.Lgs 105/2015.
- ▶ Evaluation of the consequences of the accident and investigation of the causes of the accident:
  - ➔ the post-accident assessment must be done within 5 working days from the date of demobilization of the crisis cells.
  - ➔ An emergency cell support team will be formed to conduct an accident study.
  - ➔ The purpose of the investigation is to evaluate the consequences of the accident (injuries, deaths, property losses, environmental damage, etc.) and analyse the causes of the accident that occurred.
  - ➔ Following the analysis, the response actions will be reviewed and evaluated. It will be necessary to analyse the human and material resources mobilized and evaluate the performances obtained during the emergency management phase.
  - ➔ The other consequences on the Company deriving from the incident will also have to be assessed, including the reactions of public opinion, the media, clients, contractors, and competitors (ICP/CMC crisis cells)
- ▶ Insurance and legal aspects
- ▶ Create an inventory of damaged equipment / facilities (ACP crisis cell).
- ▶ Information of the external population (ICP crisis cell).
- ▶ Internal communication (ACP/ICP/CMC crisis cells).
- ▶ Refurbishment activity, (ACP crisis cell):
  - ➔ refurbishment of safety and emergency systems.
  - ➔ Cleaning of areas.
  - ➔ Refurbishment of electricity, if missing, without creating additional risks.
  - ➔ Verification of black start-up procedures.
  - ➔ Keep track of waste evacuation.
- ▶ Prepare a report, including recommendations for policy changes, plans and procedures (ACP/ICP crisis cells).

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<b>BP10</b>	<b>BASIC PRINCIPLES</b>	<b>COMMON PROCESSES - IMS METHODOLOGY</b>
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## BP10 - COMMON PROCESSES IN INCIDENT MANAGEMENT

### Incident Management System Methodology

This Internal Emergency Response Plan is based on the principles of the IMS (Incident Management System) widely used by industry and professional emergency services organizations.

The IMS method is a standardized approach to **command**, **control**, and **coordinate** of emergency response.

The IMS Principles provide the Command function with guidelines to coordinate the organization's efforts so that response objectives and priorities can be achieved through the efficient and effective use of available resources.

IMS includes planning and operational organization, personnel and management, direction, and control of the organization.

An IMS is based on the following management principles:

- Ensuring an objectives-driven response.
- Formulation of an Incident Action Plan.
- Use of common and consistent terminology.
- Maintaining a manageable span of control.
- Coordination of equipment, personnel resources, and communication

In managing the emergency, the following hierarchy is followed when defining the objectives:

- ▶ **People:** protect the health and safety of responders and the public.
- ▶ **Environment:** protect and mitigate impacts to the environment.
- ▶ **Assets:** protect public and industry assets from further impact.
- ▶ **Reputation:** conduct the response in an ethical and transparent manner.

An Incident Action Plan typically contains this information as a minimum:

- ➔ Incident objectives.
- ➔ Organization chart.
- ➔ Response strategies and work assignments.
- ➔ Medical Plan.
- ➔ Health and Safety Plan.
- ➔ Waste management plan.
- ➔ Communications Plan with incident radio details.
- ➔ Maps, photographs, or other graphics (e.g., oil trajectories)
- ➔ Resources.

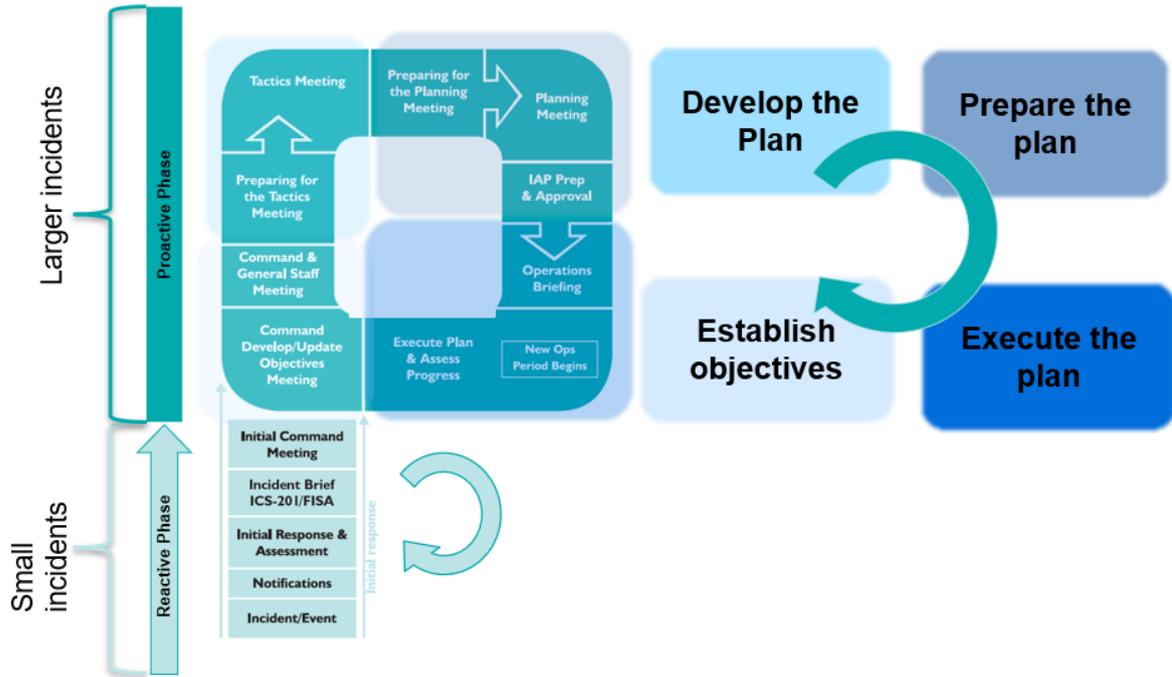
The IMS method involves the use of recognized methods for analysing the emergency ("P" planning, FISA method) and the use of standard tools, terminology and supports commonly used in other TotalEnergies Group plants or, possibly, of Public Authorities.

This allows unified coordination in a common management structure with common terminology.

<b>BP10</b>	<b>BASIC PRINCIPLES</b>	<b>COMMON PROCESSES - IMS METHODOLOGY</b>
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## "P" planning

"P" planning is a common emergency management scheme that illustrates the incident management process over an operational period. The "P" planning is based on the following phases according to the figure below:



### REACTIVE PHASE

1. Notification of the incident.
2. Initial response and incident analysis.
3. Complete the **FO7** form "Incident Status" and apply the FISA methodology (**FO4, FO5, FO6**).
4. Prepare the command meeting.

Most incidents are handled only in the Reactive phase. For example, small incidents are managed and directed using a simple iterative process. This involves conducting response activities and evaluating progress towards achieving objectives until the response is complete and Incident Command is deactivated.

**ICS Form 201 (FO7)** provides the Incident Command team with information about the situation and resources assigned to the incident. This form serves as a permanent record of the initial response to the incident and can be used for the transfer of command.

### PROACTIVE PHASE

1. Establish objectives in incident management.
2. Develop the plan to mitigate the hazardous effects.
3. Prepare and share the plan.
4. Execute, evaluate, and review the plan.

The "P" planning process consists of iterative cycles of work, evaluation and synthesis which can be considered as the repetition of the fundamental phases.



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BP10

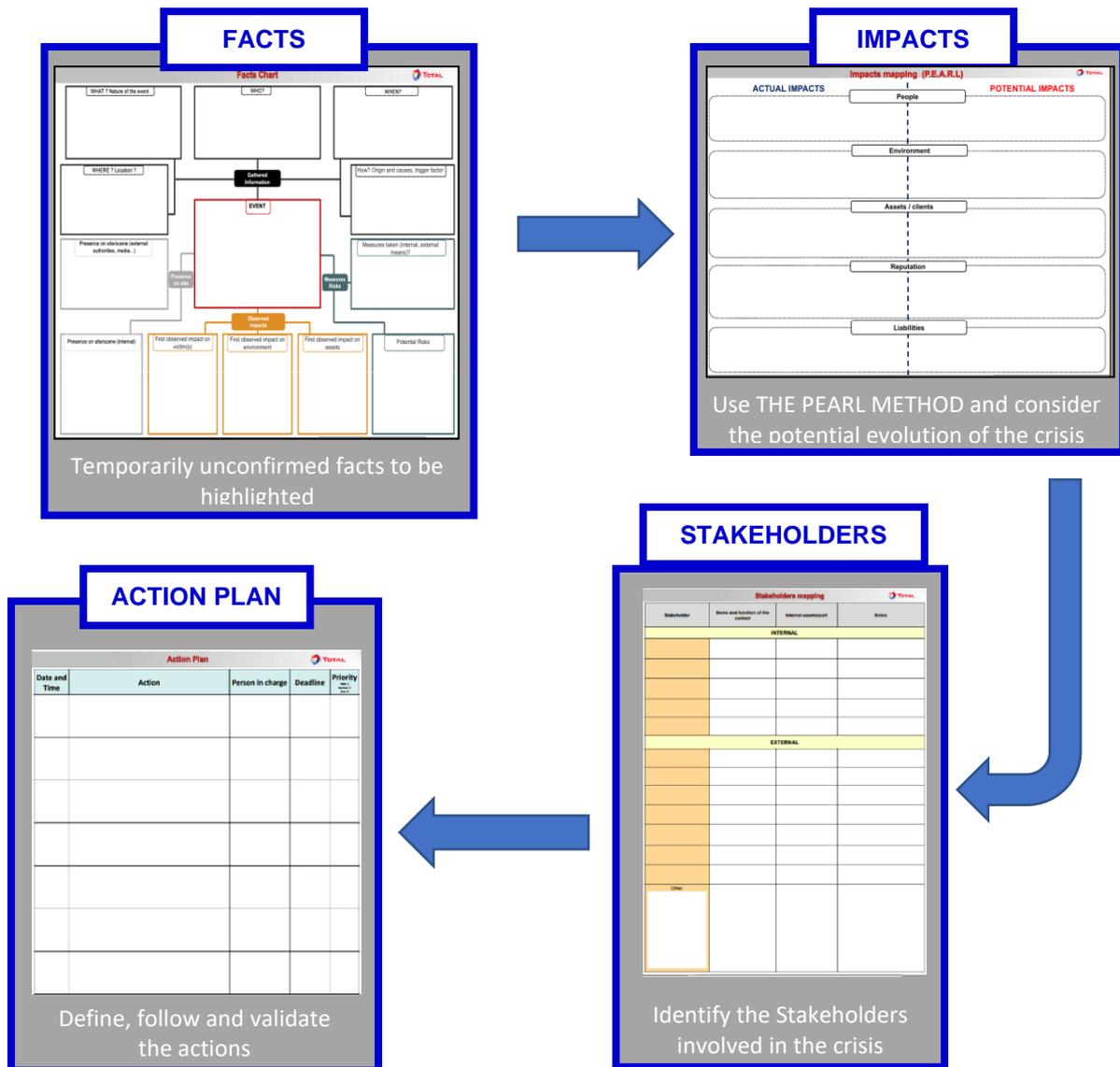
BASIC PRINCIPLES

COMMON PROCESSES - IMS METHODOLOGY

### FISA methodology

To analyse events during crisis management and to proportionate interventions, the methodology validated and shared in the Group is the FISA Method (Facts, Impacts, Stakeholders, Action Plan). The FISA methodology is mainly addressed to the ICP crisis cell, and CMC crisis cell.

The FISA methodology allows you to structure the actions of the crisis unit and harmonize its processes according to an order of collection and formalization of information according to the following scheme:



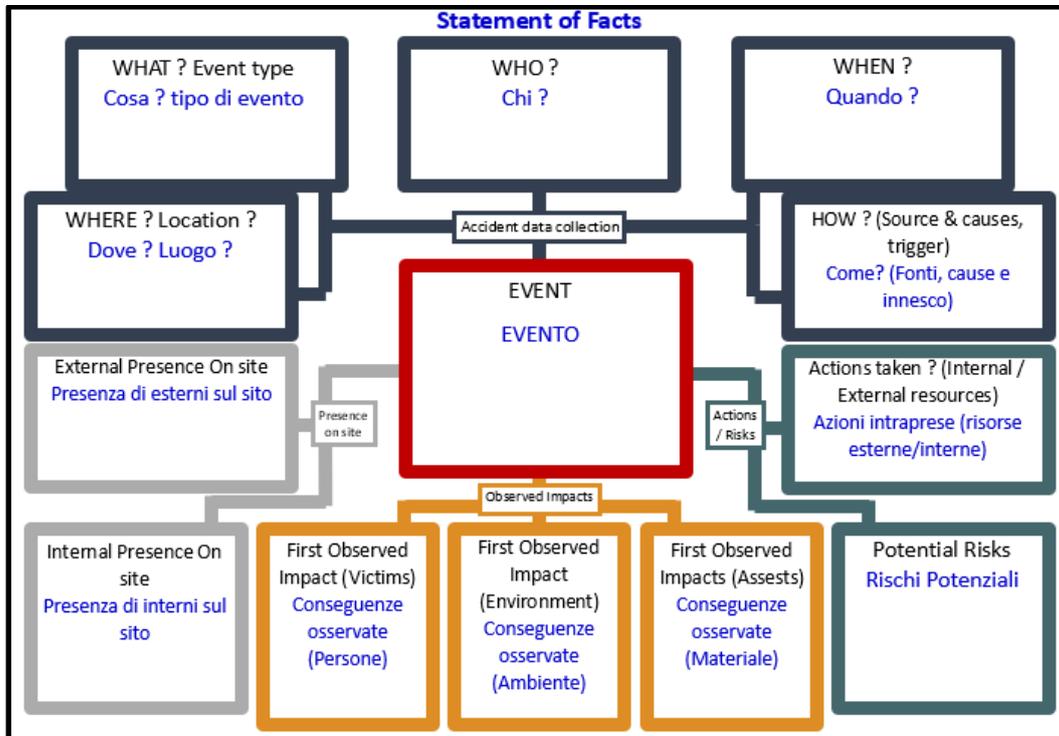
<b>BP10</b>	<b>BASIC PRINCIPLES</b>	<b>COMMON PROCESSES - IMS METHODOLOGY</b>
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The ICP Director is the guardian of the compilation of the boards.

**1. Facts**

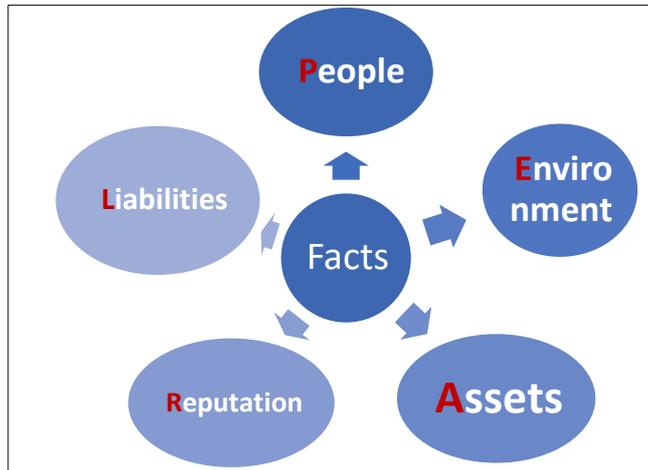
- ▶ The events are identified with the support of the “**Statement of Facts**” board.
- ▶ The 5W Method (**What, Who, When, Where, Why**) is used to identify and classify events.
- ▶ The poster is permanently posted inside the ICP Emergency Management Room.
- ▶ See also **FO4-1** – “Facts Chart”:



<b>BP10</b>	<b>BASIC PRINCIPLES</b>	<b>COMMON PROCESSES - IMS METHODOLOGY</b>
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**2. Impacts**

- ▶ In the event of a crisis, the order of priority that the crisis cell must take into consideration to assess the impacts is the **PEARL Method** (People, Environment, Asset, Reputation, Liability).



- ▶ The events are identified with the support of the “**Impacts Mapping (PEARL)**” poster, permanently posted inside the ICP Emergency Management Room.
- ▶ See also **FO5** – “Impacts”:

People	
<i>Actual</i>	<i>Potential</i>
Environment	
Assets / Activities / Clients	
Reputation	
Legal	

### 3. Stakeholders

Stakeholders shall be identified according to the emergency to calibrate the actions. The main Stakeholders are listed below.

Stakeholders *	④ Identificare gli Stakeholders	④ Classificare gli Stakeholder per profilo: (alleati, neutrali, ostili)
AUTORITA E AMMINISTRAZIONE PUBBLICA	<ul style="list-style-type: none"> <li>• Amministrazione pubblica locale, regionale e nazionale</li> <li>• Forze dell'ordine</li> </ul>	<ul style="list-style-type: none"> <li>• Servizi di urgenza e Vigili del Fuoco</li> <li>• Autorità giudiziarie</li> <li>• Assistenza medica</li> </ul>
PARTNERS COMMERCIALI	<ul style="list-style-type: none"> <li>• Clienti</li> <li>• Fornitori e Appaltatori</li> <li>• Partners</li> </ul>	<ul style="list-style-type: none"> <li>• Banche</li> <li>• Assicurazioni</li> <li>• Organizzazioni</li> </ul>
STAKEHOLDERS INTERNI	<ul style="list-style-type: none"> <li>• Management</li> <li>• Impiegati</li> <li>• Sindacati</li> </ul>	<ul style="list-style-type: none"> <li>• Azionisti</li> <li>• Siti</li> <li>• Divisioni/Entità</li> </ul>
RETE LOCALE	<ul style="list-style-type: none"> <li>• Vicini</li> <li>• Associazioni</li> <li>• Eletti</li> </ul>	
OPINIONE PUBBLICA	<ul style="list-style-type: none"> <li>• Media</li> <li>• Social Media</li> <li>• Esperti riconosciuti</li> <li>• Leader dell'opinione pubblica</li> </ul>	<div style="background-color: #e6f2ff; padding: 2px; display: inline-block;">PERSONE COINVOLTE</div> <ul style="list-style-type: none"> <li>• Vittime</li> <li>• Familiari</li> </ul>

- ▶ The identification and management of the Stakeholders are formalized through the board called “**Stakeholder’s mapping**” permanently posted inside the ICP Emergency Management Room.
- ▶ See also **FO6** – “Stakeholders”:

Stakeholders mapping			
Stakeholder	Name and function of the contact	Internal counterpart	Notes
<b>INTERNAL</b>			
<b>EXTERNAL</b>			
Other:			



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<b>BP11</b>	<b>BASIC PRINCIPLES</b>	<b>EXTERNAL EMERGENCY</b>
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## BP11 - EXTERNAL EMERGENCY

If an industrial accident originating inside the LPG Centre has or may have effects on the areas outside the perimeter of the plant, the emergency procedures described in the External Emergency Plan (PEE) are applied.

The External Emergency Response Plan is managed by the **Prefecture of Potenza**. The Prefecture of Potenza coordinates the implementation of the PEE in relation to the different levels of alert.

- ▶ The PEE is available on the website of the Prefecture of Potenza at the following web addresses: [http://www.prefettura.it/potenza/contenuti/Pee\\_centro\\_gpl\\_tempa\\_rossa\\_di\\_guardia\\_perticara-7526181.htm](http://www.prefettura.it/potenza/contenuti/Pee_centro_gpl_tempa_rossa_di_guardia_perticara-7526181.htm)
- ▶ A copy of the PEE with its attachments is present inside the cabinet of the ICP Emergency Management Room.

*Note:* The Memorandum of Understanding (Protocollo d'Intesa) between the Prefecture of Potenza - Basilicata Region - Total E&P Italia spa for the management of emergency situations, including accidents constitutes "integration" and "completion" of the procedures for managing emergencies from major accidents contained in the Safety Reports and in the External Emergency Plans. In the case of the Oil Centre, being a SEVESO plant, the Memorandum of Understanding does not introduce additional emergency procedures with respect to the PEE.

The objective of the PEE is to provide public authorities with the ability to respond in a timely manner to an industrial emergency without the exposed population suffer the harmful effects of the expected accident or mitigating its consequences by reducing damage. The PEE organizes and coordinates the actions and interventions of all those involved in the management of major accidents, liaising with the ERP.

In general, **the Gestore (Incident Commander) must promptly forward to the Responsible Authority, that is to the Prefect of Potenza (Prefettura di Potenza), the communication concerning the occurrence of events in the production process that could reasonably cause a "near miss" or a significant accident.** In the event of an accidental event, the Responsible Authority (Prefect of Potenza) is placed on alert **to have the time necessary to activate the PEE**. This makes it possible to identify the most adequate protection systems to be employed by the population to safeguard their health.

According to the PEE, the various anomalous events that may affect the plant can be grouped into three categories, namely:

- ▶ STATE OF ATTENTION,
- ▶ PRE-ALARM STATUS,
- ▶ EXTERNAL ALARM-EMERGENCY STATUS.

It is emphasized that the State of Attention and the State of Pre-alarm do not correspond to a situation of real external danger and emergency, indeed most of the external subjects are only alerted.

### **STATE OF ATTENTION**

State resulting from an event which, **without any effects outside the plant, can or could be felt by the population**, thus creating in it an incipient form of alarmism and concern for which it becomes it is necessary to activate an information procedure by the municipal administration.

In the State of attention, only the operational rooms of the authorities participating in the PEE and the Municipalities intervene to provide correct information to the population.

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<b>BP11</b>	<b>BASIC PRINCIPLES</b>	<b>EXTERNAL EMERGENCY</b>
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In the State of Attention, the Gestore must inform the following public bodies:

- COMANDO VVF POTENZA
- PREFETTURA POTENZA
- PRESIDENTE GIUNTA REGIONALE
- MAYOR COMUNE GUARDIA PERTICARA
- CARABINIERI POTENZA
- CARABINIERI VIGGIANO

### **STATE OF PRE-ALARM**

A state of "Pre-Alarm" is established when the event, although under control, due to its nature or environmental, spatial, temporal, and meteorological conditions, **can cause fear for a potential worse escalation or can be felt by most of the surrounding population**, entailing the need to activate safety and information procedures.

These circumstances are related to all those events which, due to the **showiness or loudness of their effects, are clearly perceived by the surrounding population, although the physical parameters that characterize them do not reach threshold levels** that the literature assumes as dangerous for the population and / or the environment.

In the pre-alarm state, the only subjects that intervene are the Fire Brigade, the Emergency Health Service 118, the Municipalities concerned and the ARPAB.

In the Pre-Alarm state, the Gestore shall inform the following public bodies:

- COMANDO VVF POTENZA
- PREFETTURA POTENZA
- PRESIDENTE GIUNTA REGIONALE
- MAYOR COMUNE GUARDIA PERTICARA

During the PRE-ALARM state, **the Gestore**, through the On-Scene Commander, **can activate the sound of the siren for the External Emergency (see BP7) only on the recommendation of the Direttore Tecnico dei Soccorsi (Fire Brigade) after hearing the Prefect.**

### **EXTERNAL ALARM-EMERGENCY STATUS**

A state of "alarm " is established when the **incidental event** requires, for its control, the help of the Fire Brigade and, from its onset or following its uncontrolled development, can involve, with its effects, the external areas to the plant.

These circumstances relate to all those events that **can present effects externally to the plant to exceeding the threshold values used as reference for the estimation of the consequences** (Ministerial Decree of 09 May 2001). In this phase, there is the intervention of all the subjects identified in the PEE.

An external emergency alarm state can be reached from an alert level corresponding to the pre-alarm state, or if the contingent situation requires it, the external emergency alarm state can be directly declared by the Gestore.

In the state of External Alarm-Emergency there is the **general mobilization of all External Public Authorities**. In this case, the Posto di Comando Avanzato (PCA) is activated near the plant and the CCS (Centro Coordinamento Soccorsi) is established at the Prefecture, with the participation of the representatives of the various subjects involved in the coordination of intervention and rescue operations, as well as those supporting the emergency.

As per PEE the Gestore send a referent to the external PCA (Posto di Comando Avanzato) if activated. This role is assigned to the Local/Regional Authorities Liaison Officer.

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In case of an accidental event, **the Prefect coordinates the implementation of the PEE** in relation to the different levels of alert and, on a local scale, coordinates the interventions of the Police with those of the Fire Brigade, DIRES 118 and other operational structures provincial.

In the state of External Alarm-Emergency, the Gestore shall inform the following public bodies:

- COMANDO VVF POTENZA
- PREFETTURA POTENZA
- PRESIDENTE GIUNTA REGIONALE
- MAYOR COMUNE GUARDIA PERTICARA

During the state of External Alarm-Emergency, the Gestore **actives**, through the On-Scene Commander **directly or at the disposal of the Responsabile delle Operazioni di Soccorso** (Fire Brigade) the sirens to give the alarm to the areas outside the plant (**external emergency siren**) and communicates any malfunction to the Fire Brigade and the Prefect.

During the state of Pre-Alarm and Alarm-External Emergency, and where necessary for the state of Attention, the Mayors, according to their own procedures and with the coordination of the Prefecture, provide information to the population.

For the population potentially exposed to damage effects, in general, the protection intervention to be planned consists of an indoor shelter.

Only in particular cases (accident not in progress but potential and foreseeable development or toxic release of a duration such as to make the indoor shelter ineffective), where deemed appropriate and technically feasible, must it be provided for, at the disposal of the Public Safety authority and in consideration of extreme caution and only in favourable circumstances, the spontaneous or assisted evacuation of the population.

#### ALARM TERMINATED

The procedure for activating the all-clear is undertaken by the Prefect, after consulting the operational structures and local administrators, when the safety of the territory and the environment is ensured.

#### COMMUNICATIONS

The official communication shall be carried out via PEC through the Forms **FO10** - PEC communication modules External Emergency Plan". In particular:

- Reporting of Attention State: Module 1.
- Reporting of an Accident: Module 2.

The certified email (PEC) to be used for outgoing messages to PEE public authorities is as follows:  
[temparossa.totalepitalia@postecert.it](mailto:temparossa.totalepitalia@postecert.it)

accessible via the following website:  
<https://webmail.postecert.it>

The access credentials (username and password) are available at the ICP Emergency Management Room.



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**JT**

**JOB TICKETS**

# JT Section

**JT - JOB TICKETS**



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**JT**

**JOB TICKETS**

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JT1	On-Scene Commander	ACP
JT2	Installation Shutdown Leader	ACP
JT3	Intervention leader	ACP
JT4	Muster and Evacuation Leader	ACP
JT5	ACP Event Logger	ACP
JT6	LPGC CR Shutdown Leader (RSES-D)	ACP
JT7	Maintenance/Logistic Site Support	ACP
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JT9	LPGC Site Intervention Team Leader	ACP
JT10	LPGC Intervention Team	ACP
JT11	Medical Team Leader	ACP
JT12	Process and Reporting Officer	ACP
JT13	ICP Director - Incident Commander	COMMAND
JT14	Local/Regional Authorities Liaison	COMMAND
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JT16	ICP/ACP FOPS Liaison Officer	OPERATIONS
JT17	Drilling Expert	OPERATIONS
JT18	Export / Relations with Eni Officer	OPERATIONS
JT19	ICP Event Logger	PLANNING
JT20	HSE Officer	PLANNING
JT21	Marketing and Shipping Officer	PLANNING
JT22	Logistics and General Services Officer	LOGISTICS
JT23	Telecom & Informatic Services (IT) Officer	
JT24	Site Finance and Administration Officer	FINANCE
JT25	CMC Director	CMC
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JT27	Finance and Insurance Officer	
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<b>JT1</b>	<b>JOB TICKET</b>	<b>ON-SCENE COMMANDER</b>
<b>ACP Crisis Cell</b>		

## JT1 - ON-SCENE COMMANDER

### SYNTHESIS

- ▶ **The role of On-Scene Commander is assumed by RSES** or his substitute according to the criteria defined in **BP4**.
- ▶ The OSC is **the Responsible for the Activation of the Internal Emergency Response Plan and Coordinator of the emergency on the site**.
- ▶ The OSC is **responsible for the Advanced Command Post crisis cell**.
- ▶ The OSC **mobilizes and coordinates the ACP crisis cell on site**, including the **First Intervention Team** and the **Medical Team**.
- ▶ The OSC ensures **coordination** between the ICP crisis cell and the site: she/he provides the Incident Commander the report on the situation and status of the resources on site.
- ▶ The RSES must be reachable 24/7 and able to reach the site in 30 minutes. If not, his substitute shall be able to do so.

### LOCATION

The On-Scene Commander gathers at the ACP Emergency Management Room of the administrative building in Area N of the Tempa Rossa OC. Where the gathering of the ACP crisis cell at the Emergency Management Room in Area N is not practicable, the OSC identifies another place (for example the SS1 Technical Room of the OC) and communicates it to the members of the ACP crisis cell.

### MISSION

#### Mobilization phase of the ACP crisis cell

- ▶ If She/He is the "first arrived", She/He sets up the ACP crisis cell according to the form **FO2-1** – "First arrived check-list".
- ▶ She/He receives the initial accident report by the RSES-D, confirms the information and updates the status of the emergency (nature and severity of the accident).
- ▶ She/He makes the decisions to activate the LPGC Internal Emergency Response Plan.
- ▶ She/He decides to mobilize the members of the (LPGC or OC) First Intervention Team and the Medical or First Aid Team.
- ▶ She/He ensures that the First Intervention Team is informed and mobilizes team according to the situation.
- ▶ She/He takes charge of the management of the event within the Plant.
- ▶ In the event of the absence of a member of the ACP crisis cell, She/He designates a replacement for the respective position.
- ▶ She/He ensures that the actions recommended as per Form **FO2-2** "Immediate actions after crisis cells activation" are followed.

#### Operational phase of the ACP crisis cell

#### **State of the situation and coordination**

- ▶ She/He alerts and informs the Incident Commander/Gestore.

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<b>ACP Crisis Cell</b>		

- ▶ She/He verifies the status of the system through the information received from the LPGC Control Room, or from the CCR, from the First Intervention Team (through the Intervention Leader), with the help of the Process and Reporting Officer.
- ▶ She/He validates the technical data received from the LPGC. Ensures the presence of validated data relating to the event also with the support of the ACP Event Logger.
- ▶ She/He informs and ensures regular communication with the ICP crisis cell (if mobilized) following the evolution of the emergency on site. She/He coordinates continuously with the Incident Commander and with the members of the Operations Section.
- ▶ She/He asks the Incident Commander for complementary means (technical and logistical, experts...) if necessary.
- ▶ She/He organizes and leads briefings on the evolution of the emergency with all members of the ACP crisis cell.
- ▶ Together with the Intervention Leader and the Incident Commander, She/He organizes the change of the First Intervention Team if necessary.
- ▶ She/He alerts and informs the Director pursuant to Legislative Decree 624/96.

#### **Operations Execution**

- ▶ During the Reactive phase of the event, She/He anticipates the escalation of the events and makes the decisions deemed necessary to contain the escalation of the emergency.
- ▶ She/He carries out the intervention tactics defined by the ICP crisis cell also with the support of the Scenario Cards (SR #).
- ▶ In collaboration with the Installation SD Leader, She/He prepares and approves a partial or total shutdown of the plant if necessary.
- ▶ She/He uses the means necessary to be able to control the incident in collaboration with the other members of the ACP crisis cell.
- ▶ She/He collaborates with the Intervention Leader to identify a team in charge of searching for eventually missing persons.
- ▶ With the support of the Intervention Leader and the Medical Team Leader, She/He identify the missing people, injured or victims and communicate the relevant data (name, type of injury, severity) to IC with the support of the Form FO11 – “Victim’s follow-up”.
- ▶ She/He validates with the Intervention Leader and the Medical Team Leader the need to implement the MEDEVAC procedure.
- ▶ She/He mobilizes the means for surveillance/security.
- ▶ She/He ensures the information of the evolution of events to the personnel at the Muster Points, verifying through the Muster and Evacuation Leader that the behaviour is always appropriate to the situation and arranging any controlled mobilizations of the same.
- ▶ On the directive of the ICP Director, She/He instructs the LPGC Control Room to activate the Siren for the External Emergency (through the RSES-D). In case of activation of PEE and the PCA (Posto di Comando Avanzato), He/She ensures coordination with External Authorities (e.g., Fire Brigade) via the TEPIT referent (Local/Regional Authorities Liaison) or via the Gestore.

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<b>JT1</b>	<b>JOB TICKET</b>	<b>ON-SCENE COMMANDER</b>
<b>ACP Crisis Cell</b>		

### Demobilization phase of the ACP crisis cell

- ▶ She/He demobilizes the ACP crisis cell, the First Intervention Team and the Medical Team.
- ▶ She/He inform the people at the Muster Points, authorizing a possible return to the site or abandonment.
- ▶ She/He leads the debriefing session.
- ▶ She/He validates and distributes the final emergency report (log of events, analysis of the main difficulties encountered, conclusions and recommendations) and defines the parties responsible for all the actions identified.

#### TOOLS and DOCUMENTS REQUIRED

The On-Scene Commander will have the following documents at its disposal:

- ▶ GPLC Internal Emergency Plan.
- ▶ Oil Spill Contingency Plan.
- ▶ Medical Evacuation Plan.
- ▶ P&ID, PFDs, Layout Drawings.

The On-Scene Commander will personally take and retain the following:

- ▶ Job Ticket JT1.
- ▶ FO2-1 “First Arrived Check List”.
- ▶ FO2-2 “Immediate actions after crisis cells activation”.
- ▶ FO11 – “Victim’s follow-up”.
- ▶ SR # - specific scenarios and emergency procedures.
- ▶ The SR # scenario card corresponding to the incident in progress.
- ▶ TW radio, telephone.
- ▶ RE1 - Telephone numbers and useful contacts.



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**JT1**

**JOB TICKET**

**ON-SCENE COMMANDER**

**ACP Crisis Cell**

<b>JT1 - ON-SCENE COMMANDER CHECKLIST</b>		
<b>Item</b>	<b>Action</b>	<b>√</b>
1	RSES assumes command as On-Scene Commander.	<input type="checkbox"/>
2	Emergency Response duties initiated.	<input type="checkbox"/>
3	Updated POB available.	<input type="checkbox"/>
4	POB confirmed.	<input type="checkbox"/>
5	Missing personnel identified Injured personnel	<input type="checkbox"/> <input type="checkbox"/>
6	All communications tested and verified correct: a. Internal communications. b. External communications.	<input type="checkbox"/> <input type="checkbox"/>
7	Emergency Response Plan. –Emergency Response Team Leader appointed a. Search and Rescue required. b. Search and rescue completed.	<input type="checkbox"/> <input type="checkbox"/>
8	Plant conditions and assets: a. Administrative Building. b. Site F&G status – Deluge/Foam/Inergen system status. c. Plant integrity. d. Essential electric supplies. e. Ventilation and HVAC systems: - Available. - Shut-in/Isolated. - Fire dampers status. f. Stability and Well condition. g. IG system availability.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Emergency response resource availability: a. Emergency Response Teams. b. Fire-fighting capability: i. Equipment. ii. Pumps. iii. Foam/Water/N2/Inergen.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10	Communication a. Incident form raised.	<input type="checkbox"/>
11	Emergency Response Control Measures: a. Plant shutdown/depressurized. b. Protection Systems activated. c. System isolations. d. Permit to work cancelled/suspended. e. External assistance required. f. Oil spill control. g. Chemical spill control.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>



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JT1

JOB TICKET

ON-SCENE COMMANDER

ACP Crisis Cell

<b>12</b>	<p>Safety: Personal Protective Equipment required.</p> <p>a. Breathing apparatus required.</p> <p>b. Chemical protection required.</p> <p>c. Lifesaving equipment required.</p> <p>d. MSDS checked – REACH assessment available.</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>13</b>	<p>Access and egress:</p> <p>a. Safe route(s) identified/available.</p> <p>b. Is access aloft/at height required.</p> <p>c. Is Confined Space Entry required?</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>14</b>	<p>Emergency situation under control/recovered:</p> <p>a. Hazard Identification.</p> <p>b. Risk Assessment.</p> <p>c. Control Measures Implementation.</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>15</b>	<p>Stand down:</p> <p>a. Is it safe to assume normal operations?</p> <p>b. Begin Accident Investigations.</p> <p>c. Reports draw up.</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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<b>JT2</b>	<b>JOB TICKET</b>	<b>INSTALLATION SHUTDOWN LEADER</b>
<b>ACP Crisis Cell</b>		

## JT2 - INSTALLATION SHUTDOWN LEADER

### SYNTHESIS

- ▶ The role of **Installation SD Leader** is covered by the **Operating Authority** within the ACP crisis cell.
- ▶ The Installation SD Leader is the On-Scene Commander's assistant in managing of the incident.
- ▶ She/He ensures that the process, shutdown, and depressurization are managed correctly.
- ▶ She/He offers support on any technical problems to the OSC.
- ▶ She/He is in permanent contact with the LPGC Control Room and supports the RSES-D.

### PLACE

The Installation SD Leader gathers at the ACP Emergency Management Room of the administrative building in Area N of the Tempa Rossa Oil Centre.

### MISSION

#### Mobilization phase of the ACP crisis cell

- ▶ She/He reaches the ACP Emergency Management Room when She/He after the activation of the alarm, or when alerted by the On-Scene Commander and joins the ACP crisis cell.

#### Operational phase of the ACP crisis cell

- ▶ She/He continuously informs the OSC about the status of the plant, that maintains the direct transfer of information to the ACP Event Logger.
- ▶ She/He ensures that the involved units are in safe conditions and that, according to the OSC directive, all emergency shutdowns and electrical and mechanical isolation have been initiated.
- ▶ She/He promptly informs the OSC about the isolation of the involved process equipment.
- ▶ She/He ensures for the duration of the emergency that the ESD and F&G systems are functioning correctly.
- ▶ She/He considers environmental threats in the management of the emergency (accidental spills, gas emissions ...).
- ▶ She/He maintains frequent contact with the LPGC Control Room and supports the RSES-D, to ensure that the process remains safe, and that the F&G system is monitored for any escalation.

#### Demobilization phase of the ACP crisis cell

- ▶ She/He Takes part in the debriefing on the site and in the REX.

### TOOLS and DOCUMENTS REQUIRED

- ▶ Job Ticket JT2.
- ▶ SR # - specific scenarios and emergency procedures and reflex sheet.
- ▶ Oil Spill Contingency Plan.
- ▶ P&ID, PFDs, Layout Drawings, PI, radio.



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**JT2**

**JOB TICKET**

**INSTALLATION SHUTDOWN LEADER**

**ACP Crisis Cell**

**JT2 – INSTALLATION SHUTDOWN LEADER- CHECKLIST**

Item	Action	√
1a.	Confirm CCR Team is at the location.	<input type="checkbox"/>
1b.	Confirm the RSES-D is at the location.	<input type="checkbox"/> <input type="checkbox"/> N.A.
2.	Check communications:                      Radios. <input type="checkbox"/> Telephone: <input type="checkbox"/>	
3.	<p><b>INSTALLATION STATUS</b></p> <p>a) Status of the Plant:</p> <ul style="list-style-type: none"> <li>• Installations stopped partially.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Installations stopped completely.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Depressurization started.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Depressurization completed.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• ESD activated.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Fire-zone segregation done.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Fire water operating.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Foam fire extinguishing system operating.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Deluge systems activated.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Water mist fire extinguishing systems activated.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Inert gas fire extinguishing systems activated.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Main power supply.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Emergency power supply.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> <li>• Export-import stopped.                      <input type="checkbox"/> Yes                      <input type="checkbox"/> No</li> </ul>	

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<b>JT3</b>	<b>JOB TICKET</b>	<b>INTERVENTION LEADER</b>
<b>ACP Crisis Cell</b>		

## JT3 - INTERVENTION LEADER

### SYNTHESIS

- ▶ The role of the **Intervention Leader** is held by the **HSE Superintendent**.
- ▶ The role of the Intervention Leader is to coordinate the activities of the First Intervention Team and the Medical Team (or First Aid Team) on site at the scene of the accident through the Intervention Team Leader and the Medical Doctor.
- ▶ She/He is responsible for management and coordination of the activities of Fire Fighting, First Aid and Rescue Team under the instruction of the OSC.
- ▶ She/He ensures that the OSC is kept up to date with the evolution of the incident.

### LOCATION

The Intervention Leader gathers at the ACP Emergency Management Room of the administrative building in Area N (Smart Room) of the Tempa Rossa Oil Centre.

### MISSION

#### Mobilization phase of the ACP crisis cell

She/He reaches the ACP Emergency Management Room when She/He hears the alarm or when alerted by the On-Scene Commander and joins the ACP crisis cell.

#### Operational phase of the ACP crisis cell

- ▶ She/He contacts the Intervention Team Leader.
- ▶ She/He reports the emergency situation on site to the OSC and provides information on the response to the incident.
- ▶ She/He mobilizes and coordinates the activities of the First Intervention Teams at the accident site through the Site Intervention Team Leader.
- ▶ She/He guarantees the authorization received from the OSC before engaging the personnel on the field.
- ▶ She/He ensures that the resources available to the First Intervention Team are adequate for the accident and are activated in the necessary time.
- ▶ She/He evaluate the escalation of events also with the use of the Scenario Cards (SR #).
- ▶ She/He monitors the use of fire systems and provides information to the OSC, by the Installation Shutdown Leader or CCR Shutdown Leader (RSES-D).
- ▶ She/He requires further support, in terms of materials or people, to the intervention on site, also at the request of the First Intervention Team Leader.
- ▶ If necessary, She/He mobilizes the Medical Team (or First Aid) and coordinates the activities at the accident site through the Medical Team Leader (Medical Doctor).
- ▶ She/He guarantees accurate monitoring of the state of the victims using the charts posted in the ACP Emergency Management Room, Form FO11 – “Victim’s Follow-up”.
- ▶ She/He maintains the direct transfer of information to the ACP Event Logger.

**Demobilization phase of the ACP crisis cell**

- ▶ She/He Takes part in the debriefing on the site and writing the REX.

**TOOLS and DOCUMENTS REQUIRED**

- ▶ Job Ticket JT3.
- ▶ FO11 "Victim's Follow-up":
- ▶ SR # - Specific scenarios and emergency procedures.
- ▶ Annex LD2 - Firefighting plans.
- ▶ Annex LD3 - F&G detection system planimetry.
- ▶ Annex RE2 - Description of the emergency equipment.
- ▶ Radio, plot plans, magnets.

INTERVENTION LEADER CHECKLIST						
ITEM	ACTION					
1.	First Intervention Team is at firefighting Room. Il team di Primo Intervento ha raggiunto la firefighting Room.	<input type="checkbox"/>	OC	<input type="checkbox"/>	LPGC	
2.	Firefighter PPE check completed (by Site Intervention Team Leader). Controllo dei DPI antincendio completato (dal Leader Squadra di Primo Intervento).	<input type="checkbox"/>				
3.	OC First Intervention Team is at the Muster Point ready to intervene. Il Team di Primo Intervento del CO è al Muster Point pronto ad intervenire.	<input type="checkbox"/>				
Incident Information/ Informazioni sull'incidente.						
a) SITE DETAILS / DETTAGLI DEL SITO:						
b) TYPE OF EMERGENCY / TIPO DI EMERGENZA:						
	• Explosion / <b>Esplosione</b> .	YES		NO		
	• Fire / <b>Incendio</b> .	YES		NO		
	• Gas Release / <b>Rilascio di gas</b> .	YES		NO		
	• Tank Fire / <b>Incendio Serbatoio</b> .	YES		NO		
	• Injured / <b>Infortunato</b> .	YES		NO		
	• Fatality / <b>Vittima</b> .	YES		NO		
	• Chemical Spill / <b>Sversamento di prodotti chimici</b> .	YES		NO		
	• Oil Spill / <b>Sversamento di olio</b> .	YES		NO		
4.	• Transport accident / <b>Incidente di trasporto</b> .	YES		NO		
c) INITIAL RESPONSE / RISPOSTE INIZIALI. CONTROL ACTIONS / CONTROLLO DELLE AZIONI.						
	• Fire pumps status. <b>Status pompe antincendio.</b>	Pump A Running		Pump B Running		Pump C Running
	• Deluge systems status. <b>Status del sistema Deluge.</b>	OK		NOT OK		
	• Foam fire extinguishing systems status. <b>Status del sistema antincendio a schiuma.</b>	OK		NOT OK		
	• Water mist fire extinguishing systems status. <b>Status dei sistemi antincendio di nebulizzazione ad acqua.</b>	OK		NOT OK		
	• Inergen gas fire extinguishing systems status. <b>Status dei sistemi antincendio ad inergen.</b>	OK		NOT OK		
	• Fire damper systems status. <b>Status del sistema di ventilazione.</b>	OK		NOT OK		
	• HVAC system status. <b>Status del sistema HVAC.</b>	OK		NOT OK		
	• Rescue equipment. <b>Attrezzatura di salvataggio.</b>	Available on site		Not available on site		
	• Search and Rescue Plan required. <b>Piano di Ricerca e Salvataggio richiesto.</b>	OK		NO		
5.	• Breathing Apparatus: check residual air pressure (barg). <b>Autorespiratore: controllo pressione aria residua (barg).</b>	Team Leader	OP1	OP2	OP3	OP4 OP5 OP6

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<b>JT4</b>	<b>JOB TICKET</b>	<b>MUSTER AND EVACUATION LEADER</b>
<b>ACP Crisis Cell</b>		

## JT4 - MUSTER AND EVACUATION LEADER

### SYNTHESIS

The role of **Mustering Evacuation Leader** is to assist the On-Scene Commander in the management of the POB to verify the missing personnel compared to those who went to the Muster Point.

### LOCATION

The Mustering Evacuation Leader gathers at the ACP Emergency Management Room of the administration building in Area N of the Tempa Rossa Oil Centre.

### MISSION

#### Mobilization phase of the ACP crisis cell

She/He reaches the ACP Emergency Management Room when She/He hears the alarm or when alerted by the On-Scene Commander and joins the ACP crisis cell.

#### Operational phase of the ACP crisis cell

- ▶ She/He maintains communications and coordination with the Muster Counters at the Muster Point.
- ▶ She/He guarantees a regular gathering for employees and visitors at identified Muster Point or alternative Muster Points communicated via PA/GA.
- ▶ She/He collects data from the Attendance Register and confirms POB.
- ▶ She/He collaborates with the Muster Counters to update missing personnel.
- ▶ With the approval of the OSC, She/He mobilizes the appropriate support team from Muster Point.
- ▶ She/He records any movement of personnel from Muster Point.
- ▶ She/He updates the POB as the emergency situation evolves.

#### Demobilization phase of the ACP crisis cell

She/He takes part in the debriefing.

### TOOLS and NECESSARY DOCUMENTS

- ▶ Job Ticket JT4.
- ▶ Radio TETRA.

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<b>JT5</b>	<b>JOB TICKETS</b>	<b>ACP EVENT LOGGER</b>
<b>ACP Crisis Cell</b>		

## JT5 - ACP EVENT LOGGER

### SYNTHESIS

The role of the **ACP Event Logger** is to record the chronology of the events and the decision taking by the ACP crisis cell during the emergency.

### LOCATION

The ACP Event Logger gathers at the ACP Emergency Management Room of the administrative building in Area N of the Tempa Rossa Oil Centre.

### MISSION

#### Mobilization phase of the ACP crisis cell

She/He reaches the ACP Emergency Management Room when alerted by the On-Scene Commander and joins the ACP crisis cell.

#### Operational phase of the ACP crisis cell

- ▶ She/He ensures that all information is recorded when it is communicated to the crisis cell (origin of the accident, information from the site, chronology of events and decisions, status of injured.
- ▶ She/He records the decisions and statements of the On-Scene Commander.
- ▶ During the "Time out", She/He reports the evolution of the situation to the OSC.
- ▶ She/He registers the names of the components of the ACP crisis cell present through the form **FO1-1** "Members of the ACP crisis cell, if requested by the RSES.

#### Demobilization phase of the ACP crisis cell

After the emergency, She/He participates in the debriefing.

### TOOLBOX AND NECESSARY DOCUMENTS

The ACP Event Logger must have and / or be aware of the following:

- ▶ Job Ticket JT5.
- ▶ FO1-1 – "ACP crisis cell members".

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<b>JT6</b>	<b>JOB TICKETS</b>	<b>LPGC CR SHUTDOWN LEADER (RSES-D)</b>
<b>ACP Crisis Cell</b>		

## JT6 – LPGC CONTROL ROOM LEADER (RSES-D)

### SYNTHESIS

- ▶ The role of **CR Leader** is carried out by the **RSES-D of LPGC** (from Monday to Friday, 08:00-17:00, except for festivities).
- ▶ The CR Shutdown Leader is responsible for the implementation of the actions to make the plants and the production process safe.
- ▶ The CR Shutdown Leader is supervised by Installation SD Leader (JT2).

### PLACE

The CR Shutdown Leader gathers at the LPGC Control Room.

### MISSION

#### Mobilization phase of the ACP crisis cell

- ▶ She/He informs the RSES about any incident without delay.
- ▶ She/He remains in the control room when alerted by RSES or by the acoustic warning system.
- ▶ She/He confirms that all Permit to Work have been suspended.

#### Operational phase of the ACP crisis cell

- ▶ Once the ACP crisis cell is activated, the LPGC RSES-D assumes the functions of the CR Shutdown Leader and reports to the OSC via the Installation SD Leader.
- ▶ Through the support of Reflex Sheets, (see SR # Sheets) She/He ensures the activation of the emergency stop system and, if required, of the fire protection system in response to the type of accident.
- ▶ She/He monitors the process parameters, and the status of the Fire & Gas alarms and provides a continuous update to the Installation SD Leader.
- ▶ Promptly She/He informs the ACP crisis cell if a complete loss of power supply occurs (the control system can be powered by a backup system).

#### Demobilization phase of the ACP crisis cell

- ▶ She/He takes part in the debriefing on the site
- ▶ She/He participates in restarting the plant.

### TOOLS AND NECESSARY DOCUMENTS

- ▶ Job Ticket JT6.
- ▶ The SR # scenario card corresponding to the current incident.
- ▶ Reflex Sheets.

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<b>JT7</b>	<b>JOB TICKETS</b>	<b>MAINTENANCE SITE SUPPORT</b>
<b>ACP Crisis Cell</b>		

## JT7 – MAINTENANCE/LOGISTIC SITE SUPPORT

### SYNTHESIS

▶ The role of the **Maintenance/Logistic Site Support** is to assist the OSC to coordinate urgent maintenance activities on site and to manage and identify the supply of tools, material and resources.

### LOCATION

The ACP Event Logger gathers at the ACP Emergency Management Room of the administrative building in Area N of the Tempa Rossa Oil Centre.

### MISSION

#### Mobilization phase of the ACP crisis cell

- ▶ She/He coordinates urgent maintenance activities on site.
- ▶ She/He identifies and manages the supply of tools, means and material (clamps, spare parts, etc.) to repair and restart critical equipment.
- ▶ She/He guarantees an accurate monitoring of the logistic/construction means engaged on site or available in the plant.
- ▶ In relation to the situation on site and at the request of the OSC, She/He requests to supply other means or supports from external entities to transfer equipment and material to or from the establishment. This function is carried out in collaboration with the Logistics and General Services Officer (JT22).
- ▶ She/He ensures analysis of failure and prepares report.
- ▶ She/He takes part in the final debriefing
- ▶ At the conclusion of the emergency, She/He provides an account of all the resources used in the plant during the emergency.

### TOOLS

- ▶ Job Ticket JT7.

#### Demobilization phase of the ACP crisis cell

- ▶ She/He attends the debriefing on the Site
- ▶ She/He participates in restarting of the unit or establishment.

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<b>JT8</b>	<b>JOB TICKETS</b>	<b>MUSTER COUNTER</b>
<b>ACP Crisis Cell</b>		

## JT8 - MUSTER COUNTER

### SYNTHESIS

- ▶ The **Muster Counter** ensures the correct organization at the Muster Point.
- ▶ This function can be performed by several people depending on the number of muster points.
- ▶ The Muster Counter shall identify the number and name of the missing persons and obtain updated information from the Intervention Leader regarding the situation inside the plant areas and the technical buildings.
- ▶ The function is covered by the **security personnel** who are indicated in the Roaster of the emergency team for each shift.

### LOCATION

The Muster Counter gathers the Muster Point.

### MISSION

#### Mobilization Phase of the ACP crisis cell

She/He reaches the Muster Point when alerted.

#### Operational phase of the ACP crisis cell

- ▶ She/He controls of the gathered personnel. Verification of the POB.
- ▶ She/He checks the number of people present at the Muster Point and report to the Muster and Evacuation Leader.
- ▶ She/He takes the name of any other person at the muster point not registered in the attendance list and reports it to the Muster and Evacuation Leader.
- ▶ She/He identifies the names of those who are missing and report them to the ACP crisis cell via the Muster and Evacuation Leader.
- ▶ She/He verifies that the personnel gathered comply with the behavioural provisions.
- ▶ She/He provides information relating to the evolution of the emergency and manages any movements of the personnel gathered ordered by the On-Scene Commander.

#### Demobilization phase of the ACP crisis cell

After the emergency, She/He participates in the debriefing.

### TOOLS AND NECESSARY DOCUMENTS

- ▶ Job Ticket JT8
- ▶ Radio TETRA.

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<b>JT9</b>	<b>JOB TICKETS</b>	<b>LPGC SITE INTERVENTION TEAM LEADER</b>
<b>ACP Crisis Cell</b>		

## JT9 – LPGC SITE INTERVENTION TEAM LEADER

### SYNTHESIS

- ▶ The role of the **LPGC Site Intervention Team Leader** is:
  - provide field support and emergency response;
  - continuously report the status of the accident / emergency to the Intervention Leader, who will transmit it to the On-Scene Commander;
  - organize fire response and manage rescue of trapped or injured personnel;
  - lead the operation of the First Intervention Team-Firefighting.
- ▶ The LPGC Site Intervention Team Leader follows the instructions of the Intervention Leader.
- ▶ The decision to mobilize the First Intervention Team to the scene of the incident will be agreed upon by the Intervention Leader and the On-Scene Commander.
- ▶ Final authorization for mobilization to the scene of the accident is entrusted to the On-Scene Commander.
- ▶ From Monday to Friday (08:00-17:00) except for festivities, the role of LPGC Site Intervention Team Leader is carried out by TEPIT Operator.

### LOCATION

The LPGC Site Intervention Team Leader reaches the Firefighting Room inside the LPGC Technical Building. She/He then goes to the place of event with the team.

### MISSION

#### Phase of mobilization of the ACP crisis cell

- ▶ Upon hearing the PA/GA alarm, She/He contacts the Intervention Leader and proceeds to the Firefighting Room, reporting his position by communication to the Muster Counter.
- ▶ She/He checks that all the members of the First Intervention Team are gathered and communicated their presence to the Muster Counter.
- ▶ On the recommendation of the Intervention Leader, She/He wears and verifies that the Intervention Team wear the fire protection devices (fireproof suit, breathing apparatus, helmet, gloves, and boots) present in Firefighting Room.

#### Operational phase of the ACP crisis cell

- ▶ On the recommendation of the Intervention Leader, She/He makes sure that all the members of the First Intervention Team have correctly worn the PPE, goes with the Intervention Team inside the plant reaching the area of the incident decided by the Intervention Leader according to the OSC.
- ▶ She/He leads the activities and coordinate the firefighting team on site.
- ▶ She/He establishes contact with the LPGC CR and with the Intervention Leader and reports on the activities of the Intervention Team.
- ▶ She/He manages the use of resources on site to contain and control the accident.
- ▶ Under the coordination of the Intervention Leader, to control or contain the incident:

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<b>ACP Crisis Cell</b>		

- She/He coordinates with the LPGC CR for the remote or local activation of the fire protection systems, where applicable (deluge, water-mist, foam systems).
- She/He manages the use of locally activated fire-fighting equipment (hydrants, water / foam monitors, foam monitors).
- ▶ She/He searches missing persons according to the instructions of the Intervention Leader.
- ▶ She/He coordinates with the Medical Team if required the medical assistance
- ▶ She/He leads the Intervention Team and gives clear and unambiguous orders.
- ▶ She/He asks the Intervention Leader about the need for further external assistance if needed.
- ▶ She/He decides to abandon fire or rescue operations if the risk is not acceptable.

#### Demobilization phase of the ACP Cell

- ▶ After the emergency, She/He provides details of the intervention on site.
- ▶ She/He participates in the debriefing.

#### TOOLS and NECESSARY DOCUMENTS

- ▶ Job Ticket JT9.
- ▶ Firefighting PPE.
- ▶ Gas detectors.
- ▶ Breathing apparatus.
- ▶ Radio.

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<b>JT10</b>	<b>JOB TICKETS</b>	<b>LPGC INTERVENTION TEAM</b>
<b>ACP Crisis Cell</b>		

## JT10 - LPGC INTERVENTION TEAM

### SYNTHESIS

- ▶ The role of the **LPGC First Intervention Team** is to provide the response on site to the emergency.
- ▶ From Monday to Friday (08:00-17:00), the First Intervention Team is composed by: **2** LPGC TEPIT Operator as firefighters + **1** HSE Supervisor + **2** Italfiuid operators.
- ▶ On demand of RSES **2** Professional Firefighters (Maersk) from Oil Center could join the LPGC **First Intervention Team**.
- ▶ From Monday to Friday (17:00-08:00), during the weekend and festivities: in case of emergency the intervention is carried out by the OC First Intervention Team.

### LOCATION

The LPGC Intervention Team Leader reaches the Firefighting Room inside the LPGC Technical Building, and then goes to the place of event.

The OC Intervention team reaches the Firefighting Room (located on SS1 ground floor). and then goes to the LPGC or waits at the OC Muster Point.

### MISSION

#### Phase of mobilization of the ACP crisis cell

- ▶ Upon hearing the PA/GA alarm, each member of LPGC First Intervention Team on duty proceeds to the Firefighting Room, reporting his position by communication to the Muster Counter.
- ▶ On the recommendation of the Intervention, each member of the Team wears the firefighting PPE (fireproof suit, jacket, breathing apparatus, helmet, gloves, boots) present in the Firefighting Room.
- ▶ After wearing the firefighting PPE, on the advice of the Site Intervention Team Leader, each member of the Team reaches the place of the event

#### Operational phase of the ACP crisis cell

- ▶ She/He uses fire-fighting equipment according to the directives of the Site Intervention Team Leader.
- ▶ She/He always checks the safety of installations before intervening.
- ▶ She/He rescues any trapped person.
- ▶ On the instructions of the LPGC/OC Control Room, She/He may intervene to complete the safety of the plants.
- ▶ She/He takes precautions to avoid escalation of fire accidents.
- ▶ She/He supports the Medical Team on site if required for medical assistance.

#### Demobilization phase of the ACP crisis cell

- ▶ After the emergency, participate in the debriefing

### TOOLS AND NECESSARY DOCUMENTS

- ▶ Firefighting PPE.
- ▶ Gas detectors.
- ▶ Breathing apparatus.
- ▶ Radio.

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<b>JT11</b>	<b>JOB TICKETS</b>	<b>MEDICAL TEAM LEADER</b>
<b>ACP Crisis Cell</b>		

## JT11 - MEDICAL TEAM LEADER

### SYNTHESIS

- ▶ The role of **Medical Team Leader** is held by **Medical Doctor on-duty**.
- ▶ The role of the Medical Team Leader is to lead the Medical Team in case of medical assistance.
- ▶ The Medical Team Leader manages the use of the stretcher and organizes care for the injured.
- ▶ Collaborates with the OSC and with the DIRES-118 Service Coordinator if needed.
- ▶ She/He organizes the treatment and transfer of victims, establishes a medical reception area.
- ▶ She/He collaborates directly with the First Intervention Team Leader.
- ▶ The decision to mobilize someone from the Medical Team to the place of the event will be agreed upon by the Intervention Leader and the OSC.
- ▶ Final authorization for mobilization to the place of the accident is entrusted to the OSC.

### MISSION

#### Mobilization phase of the ACP crisis cell

She/He reaches the ACP Emergency Management Room when alerted by the OSC or the Intervention Leader and joins the ACP crisis cell.

#### Operational phase of the ACP crisis cell

- ▶ She/He instructs First Aid Team / Medical Team members to prepare for victim/injured rescue.
- ▶ She/He supervises and directs the assessment and treatment of injured persons. Stabilizes and heals the recovered victims.
- ▶ She/He maintains communications with the Intervention Leader.
- ▶ In agreement with the OSC, She/He contacts the coordinating doctor of the national service directly (118).
- ▶ She/He evaluates the situation, priorities and organize treatment using team medical members.
- ▶ She/He updates and monitors the status of the victims/injured using the Form **FO12** – “Injured/Victim Identification & Status”.
- ▶ She/He prepares the medical evacuation and liaise with the Intervention Leader and the OSC on evacuation requirements.
- ▶ She/He oversees the evacuation of victims/injured by ensuring that all necessary documents are provided.
- ▶ She/He prepares status report of injured/victim for the OSC.

#### Demobilization phase of the ACP crisis cell

After the emergency, She/He participates in the debriefing.

### TOOLS AND NECESSARY DOCUMENTS

- ▶ Job Ticket JT11.
- ▶ FO12 – “Injured/Victim Identification & Status”.
- ▶ First aid equipment required
- ▶ Radio.
- ▶ DPI.

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<b>JT12</b>	<b>JOB TICKETS</b>	<b>PROCESS AND REPORTING OFFICER</b>
<b>ACP Crisis Cell</b>		

## JT12 - PROCESS AND REPORTING OFFICER

### SYNTHESIS

The role of the **Process and Reporting Officer** is to assist the OSC with the monitoring and recording of process and environmental parameters according to the emergency.

### LOCATION

The Process and Reporting Officer gathers at the ACP Emergency Management Room of the administrative building in Area N of the Tempa Rossa Oil Centre.

### MISSION

#### Mobilization phase of the ACP crisis cell

She/He reaches the ACP Emergency Management Room when She/He hears the PA/GA alarm, or when alerted by the OSC and joins the ACP crisis cell.

#### Operational phase of the ACP crisis cell

- ▶ Check the process parameters during the emergency by reading current and historical data from the process monitoring system and report to the OSC.
- ▶ Use process monitoring tools and other parameters via remote access to control systems (DCS, environmental monitoring system, PI Vision, etc.).
- ▶ Provides information on current and historical data of the process upon request of the OSC.
- ▶ Provides information on weather data and environmental monitoring units.

#### Demobilization phase of the ACP crisis cell

- ▶ Take part in the final debriefing.
- ▶ At the conclusion of the emergency, She/He provides a report of all process parameters and not during the emergency.

### TOOLBOX AND NECESSARY DOCUMENTS

- ▶ Job Ticket JT12.
- ▶ Process monitoring tools (Coresight, PI).
- ▶ Weather parameters monitoring tools.
- ▶ Environmental parameters monitoring tools.
- ▶ P&ID and other documents.
- ▶ The SR # scenario card corresponding to the incident in progress.

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<b>JT13</b>	<b>JOB TICKETS</b>	<b>ICP DIRECTOR / INCIDENT COMMANDER</b>
<b>ICP Crisis Cell - COMMAND</b>		

## JT13 – ICP DIRECTOR / INCIDENT COMMANDER

### SYNTHESIS

The function of the **Incident Commander (IC)** is carried out by the Asset Director, **Gestore** of the Establishment pursuant to Legislative Decree 105/2015.

**The Incident Commander has authority over all activities related to the management of the emergency.**

The main functions of the IC are:

- ▶ Provide and coordinate **field assistance** to the OSC in response to the incident, with the support of the ICP/ACP FOPS Liaison Officer.
- ▶ Try to **anticipate** the possible escalation of events.
- ▶ Ensure that the **safety conditions** for people and for carrying out operations are respected.
- ▶ Ensure **communications with the Local/Regional Public Authorities** and ensuring their coordination with the establishment. If the **External Emergency Plan is activated**, She/He ensures compliance with the emergency procedures (see **BP11**) and, first, ensures that:
  - ➔ communications via certified e-mail with the authorities are made using the **FO10** forms – “PEC communication modules External Emergency Plan”.
  - ➔ Directly or at the disposal of the Rescue Operations Manager (Fire Brigade), promptly instructs the OSC to activate the Siren for External Emergency.
- ▶ Ensure that **ICP crisis cell Members assume their specific function**.
- ▶ With the support of the ICP/ACP FOPS Liaison Officer, She/He ensures that the **Action Plan** for incident management is formulated and applied through the **FO4-2** “Action Plan”.
- ▶ She/He draws up or have drawn up by the ICP/ACP FOPS Liaison Officer the Form **FO7** – “Incident status”.
- ▶ **The management of the emergency by the ICP crisis cell takes place with the support of the IMS methodology**. In particular, the “P” planning and the F.I.S.A. method (see **BP10**).
- ▶ **Guarantee** the frequency and duration of the regular **time out**.
- ▶ Manage the event in connection with the CMC Director for **communications to external and to Partners** and for requiring support from the crisis cells CCMC or CSC.

### LOCATION

The IC meets at the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

#### **Activation of the ICP crisis cell**

- ▶ Once alerted by the OSC, She/He decides whether to activate the ICP crisis cell. If She/He activates the ICP crisis cell is, reaches the ICP Emergency Management Room as soon as possible.
- ▶ She/He contacts the members on-duty of the ICP crisis cell.
- ▶ If She/He is the "first arrived", She/He sets up the ICP crisis cell according to the form **FO2-1** – “First arrived check-list”.
- ▶ If it deems appropriate, She/He may designate a person from the ICP crisis cell with direct communication functions with the ACP Team. This person will be identified as the "ICP/ACP FOPS Liaison Officer”.
- ▶ She/He ensures that the actions recommended in the Form **FO2-2** “Immediate actions after crisis cells activation” are followed.

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<b>ICP Crisis Cell - COMMAND</b>		

#### Technical management of the emergency

- ▶ During the **Reactive Phase** of the incident management, She/He advises the OSC on the technical aspects to limit the consequences of the incident and prevent its escalation.
- ▶ She/He confirms and updates the analysis of the situation in the plant (through the ICP/ACP FOPS Liaison Officer) according to the following information:
  - ➔ Type of event, actual consequences, and possible evolution of the accident.
  - ➔ Real or potential presence of consequences outside the plant or in the environmental matrices.
  - ➔ Staff counting in the plant and compliance with the POB.
  - ➔ Number, severity and position of injured / victims and type of first aid using the Form **FO11**-“Victims’ Follow-up”.
  - ➔ Situation of plants and processes (if necessary, She/He requests to shut down).
  - ➔ Other data and information to be transmitted to the competent public authorities.
  - ➔ Other data and information to be transmitted to contractors.
- ▶ With the support of the ICP/ACP FOPS Liaison Officer, She/He ensures that the **Action Plan** for the management of the emergency is formulated and implemented via the Form **FO4-2** “Action Plan”.
- ▶ She/He also asks the On-Scene Commander:
  - ➔ the list of members of the ACP crisis cell.
  - ➔ To send him photos of the incident site.
  - ➔ to communicate the time of the first contact (alert) and subsequent contacts.
- ▶ She/He draws up or have drawn up by the ICP/ACP FOPS Liaison Officer the Form **FO7** – “Incident status”.
- ▶ She/He communicates or have communicated the emergency to the competent **Local/Regional Public Authorities** according to the procedures of the PEE. Form **FO10** – “PEC communication modules External Emergency Plan.
  
- ▶ During the **Proactive Phase** of incident management, She/He establishes the objectives of the response and ensures the drafting of an **Action Plan** with the support of the ICP/ACP FOPS Liaison Officer using the Form **FO4-2** “Action Plan”.
- ▶ She/He maintains communication and, if the PEE is activated, coordinates the intervention with the Public Authorities competent for crisis management according to the PEE.
- ▶ Through the Action Plan, She/He ensures that all sections of the ICP crisis cell work to reach them according to the following functions:
  - ➔ **OPERATIONS section**: analysis of the situation, definition, preparation, and execution of tactical intervention operations on site.
  - ➔ **PLANNING section**: preparation and updating of the action plan for the management of the incident by maintaining information on the state of resources and the general state of the incident.
  - ➔ **LOGISTICS section**: provision of the resources, services and support required by the incident.
  - ➔ **FINANCE Section**: carrying out financial controls, tenders and claims management.
  
- ▶ She/He validates the intervention tactics decided by the team on the site and the mobilization of additional means (technical and logistical, experts).
- ▶ She/He tries to anticipate the possible evolutions of events through the prediction and prevention of the risks of aggravation and consecutive and chain accidents.
- ▶ If the level of risk is judged to be too high, She/He has the First Intervention Team withdraw.

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<b>ICP Crisis Cell - COMMAND</b>		

- ▶ The IC, in case of mobilization of the crisis cell for a prolonged period, will have to organize the turnover of personnel.
- ▶ The IC, possibly also through the support of the CMC crisis cell, will ensure coordination with the representatives of the contractors (on site and in the crisis cell, appointing, if necessary, a person responsible for monitoring the contractors or requesting the presence of a representative of the contractor in the crisis cell).
- ▶ As per External Emergency Plan, She/He guarantee the assessment and coordination as per levels expected: “Stato di Attenzione” - “Pre-Allerta” - “Allarme/Emergenza”.
- ▶ In case of External emergency with activation of PEE, She/He guarantee the coordination with Prefect of Potenza and the PCA via mobilization of the TEPIT Referent (Local/Regional Authorities Liaison).
- ▶ She/He draws up or have drawn up by the ICP/ACP FOPS Liaison Officer the Form **FO7** – “Incident status”.

#### **Interface with CMC crisis cell**

- ▶ She/He confirms the news as soon as possible to the CMC Director also with the support of the form **FO7** – “Incident Status”.
- ▶ She/He takes stock with the CMC Director, before the latter begins the information phase of the media and partners.
- ▶ As soon as they are available, She/He asks the assistant (ICP/ACP FOPS Liaison Officer) to send to the CMC crisis cell:
  - ➔ the POB of the site and its updating during the crisis.
  - ➔ Photos of the accident site.

#### **End of the crisis**

- ▶ She/He closes the ICP crisis cell and transmit the information to all the people involved, to the CMC Director and to the Local/Regional Authorities involved.
- ▶ After the crisis, She/He organizes the debriefing.

#### **TOOLS**

The Incident Commander obtains and keeps the following documents:

- ▶ Job Ticket JT13.
- ▶ FO2-1 “Check List Primo Arrivato”.
- ▶ FO4-2 “Action Plan”.
- ▶ FO7 – “Status of the incident”.
- ▶ FO11- “Victims’ Follow-up”.
- ▶ RE1 - Telephone numbers and useful contacts.
- ▶ SR # - Specific scenarios and emergency procedures.

#### **GUIDELINES**

##### **Main guidelines for Incident Commander:**

- ▶ She/He checks the times, do not improvise on troubleshooting.
- ▶ She/He differentiates important information from secondary one.
- ▶ She/He differentiates well-established elements from those that require additional information.
- ▶ She/He formalizes the list of priority actions in progress through the form **FO4** – “Action Plan”, with managers and timing, to facilitate control during the next time-out.

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<b>ICP Crisis Cell - COMMAND</b>		

▶ Once command is established, the IC provides clear rules for transferring command to another individual or individuals, using the form FO7- “Status of Incident”.

**Time Out Management**

- ▶ The IC is the guarantor of compliance with the frequency and timing of regular time out.
- ▶ Basic principles of regular time out:
  - ➔ Uniform information for all members.
  - ➔ Manage regular audio / video conference time out with other crisis cells, where possible.
  - ➔ Limited duration: 10 minutes maximum.

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<b>JT14</b>	<b>JOB TICKETS</b>	<b>LOCAL/REGIONAL AUTHORITIES LIAISON</b>
<b>ICP Crisis Cell- COMMAND</b>		

## JT14 - LOCAL/REGIONAL AUTHORITIES LIAISON

### SYNTHESIS

▶ The role of the **Local/Regional Authorities Liaison** is to **assist the Incident Commander/Gestore** in the following tasks:

- ➔ inform the local/regional authorities competent in emergency management and communicate, if necessary, the request for assistance for operational support.
- ➔ Ensure coordination between the Authorities in charge and the Establishment. Where the emergency can have a safe or probable impact outside the plant, She/He is the interface between the IC (Gestore) and the “Responsabile delle Operazioni di Soccorso” (Fire Brigade) according to the procedures of the External Emergency Plan.
- ▶ The Local/Regional Authorities Liaison supports the IC in official communications with the Local/Regional Authorities (Municipalities, Region, Province, Fire Brigade, Prefecture, Police Forces) according to the procedures of the PEE (**BP11**).
- ▶ The Local/Regional Authorities Liaison belongs to the Command Section of the ICP crisis cell and is identified by the colour **WHITE**.

### LOCATION

The Local/Regional Authorities Liaison meets at the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

- ▶ She/He reaches the ICP Emergency Management Room once alerted.
- ▶ She/He reports to the IC.
- ▶ She/He assists the IC in communicating with the Local/Regional Authorities, through the procedures of the External Emergency Plan (**BP11**) and the communication forms of the PEE - **FO10**.
- ▶ She/He reports to the IC the provisions expressed by the Local/Regional Authorities.
- ▶ She/He assists the IC in compiling and updating the Stakeholders' management board posted in the ICP Emergency Management Room **FO6** – “Stakeholders”.
- ▶ She/He ensures the coordination between the Local/Regional Authorities and the IC as per PEE levels expected: “Stato di Attenzione” - “Pre-Allerta” - “Allarme/Emergenza”:
- ➔ in case of activation of the external state of emergency, with the establishment of the PCA, He/She guarantees communications between the Fire Brigade, the Local / Regional Authorities, the RSES and the ICP Director.
- ➔ The management of traffic blocking points by the Police at the request of the Prefecture of Potenza.
- ➔ The request for assistance from the Fire Brigade in coordinating the emergency and as operational support within the Plant.
- ➔ The assistance of other Public Authorities that can access to the plant.
- ➔ Sending of technical data and information relating to the emergency at the request of the competent authorities in the management of the emergency.
- ➔ Give information to the population by the Municipality interested.

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<b>JT14</b>	<b>JOB TICKETS</b>	<b>LOCAL/REGIONAL AUTHORITIES LIAISON</b>
<b>ICP Crisis Cell- COMMAND</b>		

- ➔ The management of confinement activities or, only if requested by the Competent Authority, the evacuation of the populations adjacent to the Plant.
- ➔ The choice of the best route to be taken by the emergency teams of public Authorities to reach the Plant.

▶ After the crisis, She/He takes part in the debriefing.

#### TOOLS

- ▶ Job Ticket JT14.
- ▶ FO10 “PEC Communication modules External Emergency Plan”.
- ▶ PEE - Annex 7: Population and Productive Activities Contacts in Risk Areas (Reserved).
- ▶ FO6 – “Stakeholders”.
- ▶ RE1 - Telephone numbers and useful contacts - Public Authorities.

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<b>JT15</b>	<b>JOB TICKETS</b>	<b>INJURED / VICTIMS' FAMILIES/NEXT OF KIN ASSISTANCE OFFICER</b>	
<b>ICP Crisis Cell- COMMAND</b>			

## **JT15 - INJURED/VICTIMS' FAMILIES/NEXT OF KIN ASSISTANCE OFFICER**

### SYNTHESIS

The role of the **Injured/victims' families/next of kin assistance Officer** is to:

- ▶ coordinate information and assistance to the injured/victim of TEPIT personnel and their families (or next of kin).
- ▶ Ensure, in collaboration with the persons in charge of the contract, that information about the accident is available and that the contractors and subcontractors correctly manage the victims (and next-of-kin) of their respective organizations.

The Attendant to this role belongs to the Command Section of the ICP crisis cell and is identified by the **WHITE** colour.

### LOCATION

The Attendant for this role meets at the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

- ▶ She/He reports to the IC.
- ▶ She/He reaches the ICP Emergency Management Room once alerted.
- ▶ Once alerted, She/He is informed, through the ICP crisis cell, on the conditions of the people involved in the accident as well as on the presence of any victims.
- ▶ She/he requires necessary information through the ICP/ACP FOPS Liaison Officer or IC to fill in the form **FO11** – "Victims' Follow-up".
- ▶ She/He obtains from the Human Resources Service, the personal information of the victims/injured of TEPIT staff or of the contractors and subcontractors.
- ▶ She/He updates the form **FO5** – "Impacts" and **FO6** – "Stakeholders" with the information in its possession on the condition of the victims/injured.
- ▶ She/He collaborates with the Medical Team Leader (Medical Doctor of the emergency team) and ensures that She/He has been mobilized.
- ▶ In case of transfer of the injured to the hospital, She/He evaluates with the IC the possibility of sending TEPIT personnel to guarantee the welcome and assistance to the families of the victims/injured. In the most serious cases, on the recommendation of the IC, She/He can personally go to the hospital.
- ▶ She/He ensures that information and assistance is provided to the families of the injured and the families of unharmed employees are reassured, also through a press release.
- ▶ She/He evaluates with the Medical Team Leader the advisability of setting up the psychological assistance in the establishment or at the disposal of families (through external psychologists).
- ▶ She/He evaluates the situation with the Medical Team Leader and proposes to the IC the activation of TotalEnergies support services: EUTELMED (psychological assistance in a crisis management situation) and KENYON (Disaster management services following mass fatality events).
- ▶ In the event of the death of a worker, after confirmation from the doctor and in the absence of doubts about the person's identity, She/He meets the family personally to inform them.
- ▶ She/He attends the debriefing.

### TOOLS

- ▶ Job Ticket JT15.

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<b>JT15</b>	<b>JOB TICKETS</b>	<b>INJURED / VICTIMS' FAMILIES/NEXT OF KIN ASSISTANCE OFFICER</b>
<b>ICP Crisis Cell- COMMAND</b>		

- ▶ FO5 "Impacts".
- ▶ FO6 "Stakeholders".
- ▶ FO11 "Victims' Follow-up".
- ▶ Support services: EUTELMED and KENYON.

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<b>JT16</b>	<b>JOB TICKETS</b>	<b>ICP/ACP FOPS LIAISON OFFICER</b>
<b>ICP Crisis Cell- COMMAND</b>		

## JT16 – ICP/ACP FOPS LIAISON OFFICER

### SUMMARY

- ▶ The role of the **ICP/ACP FOPS Liaison Officer** is to assist the Incident Commander by ensuring the effective liaison between the ACP crisis cell and the ICP crisis cell.
- ▶ The ICP/ACP FOPS Liaison Officer belongs to the Command Section of the ICP crisis cell and it is identified by the **WHITE** colour.

### LOCATION

The ICP/ACP FOPS Liaison Officer reaches the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

- ▶ Maintain a close liaison between ACP crisis cell (in particular with the OSC), and the ICP crisis cell.
  - ➔ She/He confirms and updates the analysis of the situation inside the establishment according to the following information, and with the support of the posters **FO4-1** “Fact Chart” and **FO4-2** “Action Plan”.
    - ➔ Type of event, actual consequences, and possible escalation of the accident.
    - ➔ Real or potential presence of consequences outside the plant or in the environmental matrices (supported by the HSE Officer - JT20).
    - ➔ Number of people present inside the plant and compliance with the POB.
    - ➔ Number, severity and position of injured / victims and type of first aid, also through the poster **FO11** – “Victims’ Follow-up”.
    - ➔ Situation of plant and equipment process.
    - ➔ Other data and information to be transmitted to contractors.
    - ➔ If necessary, fill in the form **FO3-** “Message transmission Card”.
- ▶ Based on the state of integrity of the plant known before the emergency (Inspection reports, Open Integrity Notifications, Downgraded Situations, Integrity Threats, etc.), She/He provides to the IC with all the elements at its disposal to define the technical measures of intervention.
- ▶ She/He acquires information on the accident situation and prepares the inspection activities of the plants, supported by the HSE Officer (JT20).
- ▶ She/He supports the OSC in the analysis of field inspections during the emergency (if possible) and at the conclusion of the accident.
- ▶ She/He informs the IC on the state of the plant integrity following the on-site inspections, supported by the HSE Officer (JT20).
- ▶ Manage the site tactical operations with the directive from IC.
- ▶ Assist in developing the operations response strategies and tactics of the Action Plan.
- ▶ Supervise the execution of the operations section of the Incident Action Plan.
- ▶ Maintain close contact with Operations section team.
- ▶ Assess the progress of the response.
- ▶ Provide the Incident Commander with situation and resource status reports within the Operations Section.
- ▶ Fill in the Form FO7- “Incident Status”, if requested by the IC.
- ▶ Take part in the final debriefing.

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<b>JT16</b>	<b>JOB TICKETS</b>	<b>ICP/ACP FOPS LIAISON OFFICER</b>
<b>ICP Crisis Cell- COMMAND</b>		

TOOLBOX AND NECESSARY DOCUMENTS

- ▶ Job Ticket JT16.
- ▶ FO3- “Message transmission Card”.
- ▶ FO7 – “Incident Status”.
- ▶ FO11 – “Victims’ follow-up”.
- ▶ Integrity Threats, DGS report, Inspection reports, Open Integrity Notifications.

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<b>JT17</b>	<b>JOB TICKETS</b>	<b>DRILLING EXPERT</b>
<b>ICP Crisi Cell- OPERATIONS</b>		

## JT17 –DRILLING EXPERT

### SINTESI

- ▶ Il ruolo dell'**Esperto Drilling** consiste nel supportare il Direttore ICP nella definizione e nell'applicazione delle misure tecniche che possono prevedere un intervento sui pozzi di estrazione.
- ▶ L'**Esperto Drilling** appartiene alla Sezione OPERAZIONI della Cellula di Crisi ICP ed è identificato tramite il colore **ROSSO**.

### LUOGO

L'Esperto Perforazione, solo se richiesto dal IC, si raduna presso la Sala Gestione Emergenze ICP degli Uffici TEPIT di Guardia Perticara.

### MISSIONE

- ▶ Raggiunge la Sala Gestione Emergenze ICP una volta allertato.
- ▶ Riporta al Direttore ICP.
- ▶ In caso di attività di perforazione in corso durante una situazione di emergenza sul Centro Olio, valuta il coinvolgimento del personale di perforazione (appaltatore ed interno) e, se lo ritiene opportuno, attiva le procedure di emergenza specifiche alle aree pozzo (raduno, evacuazione).
- ▶ Assicura, se richiesto dal IC, la messa in sicurezza dei pozzi in fase di perforazione.
- ▶ Mobilita i mezzi e le risorse necessari attivando le procedure di emergenza specifiche per le operazioni di Perforazione (Blow Out Contingency Plan, H2S/SO2 Contingency Plan).
- ▶ Garantisce la sintesi delle necessità tecniche e degli interventi sui pozzi laddove necessari.
- ▶ Partecipa ai briefings regolari.
- ▶ Conclusa la crisi, fa smobilitare tutti i mezzi impiegati (materiale e personale).
- ▶ Partecipa al debriefing conclusivo.

### STRUMENTI e DOCUMENTI NECESSARI

- ▶ Job Ticket JT17.
- ▶ Blow Out Contingency Plan - IT-TPR-WL-DCT-000031.
- ▶ H<sub>2</sub>S/SO<sub>2</sub> Contingency Plan - IT-TPR-WL-DCT-000140.

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<b>JT18</b>	<b>JOB TICKETS</b>	<b>EXPORT/RELATION WITH ENI OFFICER</b>
<b>ICP Crisis Cell- OPERATIONS</b>		

## **JT18 – EXPORT/RELATION WITH ENI OFFICER**

### SYNTHESIS

- ▶ The role of the **Export / Relationship with ENI Officer** is to assist the Incident Commander during the management of emergency involving the operations and plants for the shipment of stabilized crude oil from the Tempa Rossa Oil Centre to the Taranto refinery.
- ▶ The Export/Relations with ENI Officer belongs to the Operations Section of the ICP crisis cell and is identified by the colour **RED**.

### LOCATION

The Export Officer/Relations with ENI, only if requested by the IC reaches the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

- ▶ If requested, She/He provides the Incident Commander with information on the status of the export process towards ENI's infrastructures.
- ▶ Where the emergency involves the operations and facilities for the shipment of stabilized crude oil, on the recommendation of the IC, She/He informs the Eni Emergency Manager.
- ▶ She/He applies the emergency procedures provided for by the Emergency Pipeline Device Monte Alpi – Taranto, (DEO).
- ▶ She/He ensures communications between the ENI Emergency Manager and the IC.
- ▶ At the conclusion of the emergency, She/He provides information about the actions taken with ENI

### TOOLBOX AND NECESSARY DOCUMENTS

- ▶ Job Ticket JT18.
- ▶ Emergency Pipeline Device Monte Alpi – Taranto, (DEO).
- ▶ Oil Spill Contingency Plan.

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<b>JT19</b>	<b>JOB TICKETS</b>	<b>ICP EVENT LOGGER</b>
<b>ICP Crisis Cell - PLANNING</b>		

## JT19 - ICP EVENT LOGGER

### SYNTHESIS

- ▶ The ICP Event Logger is to assist the Incident Commander in drafting the Incident Management Action Plan (**BP10**), during the entire duration of the emergency.
- ▶ The ICP Event Logger belongs to the Planning Section of the ICP crisis cell and is identified by the colour **BLUE**.

### LOCATION

The ICP Event Logger reaches the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

- ▶ She/He reaches the ICP Emergency Management Room once alerted.
- ▶ She/He reports to the Incident Commander.
  - ➔ She/He writes down on the supports provided (see FISA Method):
  - ➔ The details of the accident (place, nature, and severity of the accident).
  - ➔ The description of the events.
  - ➔ The POB of the Site.
  - ➔ The time of the following “Time out”.
- ▶ Assisting the IC, She/He:
  - ➔ Updates, as requested by the IC, the Posters **FO4-1** – “Facts Chart” and **FO4-2** “Action Plan”.
  - ➔ Summarizes all the events that take place during the crisis, noting the corresponding time: facts, incoming and outgoing messages, data, actions, means employed (personal, technical, financial), telephone calls, PEC, and e-mail.
  - ➔ Writes down all key points (main actions in progress, important telephone appointments).
  - ➔ Updates the **FO5** – “Impacts” on the recommendation of the IC.
  - ➔ Supports the updating of the posters, **FO6** – “Stakeholders”.
  - ➔ Supports the ICP/ACP FOPS Liaison Officer to fill in the Form **FO7** – “Incident status”.
- ▶ She/He registers the names of the ICP crisis cell’s components present through the form **FO1-2**.
- ▶ She/He participates in time-out, during which retrieves key information and the timeline.
- ▶ Once the crisis is over, She/He participates in the final debriefing.
- ▶ She/He collects all relevant documentation in a summary file.
- ▶ She/He assists the IC in the preparation of the final “post crisis” report.

### TOOLS

The ICP Event Logger obtains, updates, and keeps the following documents:

- ▶ Job Ticket JT19.
- ▶ FO1-2 – “ICP crisis cell members”.
- ▶ FO4 .1– “Action Plan”.
- ▶ FO4 .2– “Facts Chart”.
- ▶ FO5 – “Impacts”.
- ▶ FO6 – “Stakeholders”.
- ▶ FO7 – “Status of the incident”.

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<b>JT20</b>	<b>JOB TICKETS</b>	<b>HSE OFFICER</b>
<b>ICP Crisis Cell - PLANNING</b>		

## JT20 - HSE OFFICER

### SYNTHESIS

- ▶ During the management of the events, the **HSE Officer** is responsible for monitoring all aspects of Health, Safety and Environment for crisis management.
- ▶ He/She monitors the safety conditions on site and the development of measures to guarantee the safety of all intervention personnel.
- ▶ He/She analyses the current situation, foresees a probable development of accidents, and prepares alternative strategies to mitigate the effects of accidents.
- ▶ He/She belongs to the Planning Section of the ICP crisis cell and is identified by the colour **BLUE**.

### LOCATION

The HSE Officer reaches the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

- ▶ She/He reaches the ICP Emergency Management Room once alerted.
- ▶ She/He reports to the Incident Commander.
- ▶ She/He anticipates dangerous situations and monitor ongoing response activities to stop or prevent unsafe actions or conditions for the First Intervention Team.
- ▶ Within the Planning Section, the HSE Officer is responsible for the development of the Safety Plan and the revision of the Health Plan in collaboration with the Medical Team Leader (Doctor on-duty of the emergency team).
- ▶ She/He reviews the Action Plan (see **BP10**) for safety, health and environmental implications and can recommend changes to the IC if necessary. She/He advises the IC in defining the strategies for the organization of rescue, firefighting, anti-pollution and on aspects of hygiene and health.
- ▶ She/He continuously monitors the state of the situation and detect factors that can influence the response, e.g., meteorological conditions, dispersion trajectory of spilled products, air quality, ecological and socio-economic characteristics at risk and other factors
- ▶ With the support of HSE Risk studies (LPGC Safety Report, Major Risk Register and Technological Risk Assessment), or with the support of the Scenario Cards (SR #), She/He evaluates the possible developments of the situation in terms of impact on people, the environment, and asset (escalation). He/She ensures support to ICP/ACP FOPS Liaison Officer (JT16).
- ▶ She/He evaluates the potential environmental impacts of the accident, establishes environmental priorities, identifies the ecological and socio-economic characteristics at risk and provides advice on the management of sampling activities.
- ▶ She/He assists the IC in compiling and updating the poster **FO5** – “Impacts”.
- ▶ She/He advises the IC on the advisability of preparing in advance the means of intervention (firefighting, rescue, anti-pollution), even at the risk of having them demobilized later, if the situation should evolve in a favourable way.
- ▶ She/He advises the IC on the organization strategy of anti-pollution interventions as defined in the Oil Spill Contingency Plan and in coordination with the Oil Spill Coordinator.
- ▶ In coordination with the TEPIT Oil Spill Coordinator, She/He manages any requests for support necessary to deal with the consequences of events that cannot be faced with the means available to the Affiliate (e.g., group specialists’ intervention, international emergency contractors, etc.).
- ▶ She/He attends time-outs.
- ▶ She/He takes part in the final debriefing.

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<b>JT20</b>	<b>JOB TICKETS</b>	<b>HSE OFFICER</b>
<b>ICP Crisis Cell - PLANNING</b>		

TOOLS

- ▶ Job Ticket JT20.
- ▶ SR # - Specific scenarios and emergency procedures.
- ▶ Safety Report of the Tempa Rossa LPGC - IT-TPR-30-EPC1-167544.
- ▶ Major Risk Register - IT-TPR-00-EPC1-167567.
- ▶ Site Medical Assistance and Emergency Medical Service (MEDEVAC).
- ▶ Tempa Rossa Oil Spill Contingency Plan - IT-TPR-GE-SET-000039.
- ▶ Environmental Monitoring Network Interface.
- ▶ Real-time weather data
- ▶ GIS Tempa Rossa.
- ▶ FO5 – “Impacts”.

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<b>JT21</b>	<b>JOB TICKETS</b>	<b>MARKETING AND SHIPPING OFFICER</b>
<b>ICP Crisis Cell - PLANNING</b>		

## JT21 - MARKETING AND SHIPPING OFFICER

### SYNTHESIS

- ▶ The role of the **Marketing and Shipping Officer** is to:
  - ➔ Represent TEPIT during crises involving marketing and shipping operations, in particular the transport via underground pipeline and ships.
  - ➔ Communicate with the partners involved with the marketing and shipping activities of TEPIT products.
- ▶ The Marketing and Shipping Officer belongs to the Planning Section of the ICP crisis cell and is identified by the color **BLUE**.

### LOCATION

The Marketing and Shipping officer, only if requested by the IC, She/He reaches at the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

- ▶ She/He reports to the Incident Commander.
- ▶ If requested, She/He provides the IC with information on the effects associated with commercial activities and participates in the definition of emergency response actions for the activities pertaining to him.
- ▶ She/He ensures the management of communication with the partners involved with the marketing and shipping of TEPIT products.
- ▶ At the conclusion of the emergency, She/He provides an account of the actions taken with business partners.

### TOOLS

The Marketing and Shipping Officer obtains and keeps any useful supporting documents.

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<b>JT22</b>	<b>JOB TICKETS</b>	<b>LOGISTICS AND GENERAL SERVICES</b>
<b>ICP Crisis Cell - LOGISTICS</b>		

## **JT22 - LOGISTICS AND GENERAL SERVICES OFFICER**

### SYNTHESIS

- ▶ The role of the **Logistics and General Services Officer** is to mobilize and coordinate the different logistic supports and the supply of materials, additional machinery, products, and other means of emergency necessary for the response to the accident at the plant.
- ▶ The Logistics and General Services Officer belongs to the Logistics Section of the ICP crisis cell and is identified by color **YELLOW**.

### LOCATION

The ICP Logistics and Services Officer meets at the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

- ▶ She/He reaches the ICP Emergency Management Room once alerted.
- ▶ She/He reports to the IC.
- ▶ She/He assists the IC in everything related to:
  - ➔ Intervention of means required.
  - ➔ Provision of means of transport (shuttles, cars, etc.).
  - ➔ Booking of cars, buses, hotels.
  - ➔ Procurement of means, materials, and products.
- ▶ She/He assists the ACP/ICP FOPS Liaison Officer/IC to fill in and update the Form **FO7** – “Incident Status”.
- ▶ Where means of transport are used, She/He ensures:
  - ➔ that transport safety conditions are guaranteed (e.g., speed, needs of drivers, etc.).
  - ➔ that regular contact is maintained with people traveling.
  - ➔ that these people are informed about the evolution of the crisis.
- ▶ She/He attends time-out.
- ▶ She/He takes part in the final debriefing

### TOOLS

- ▶ Job Ticket JT22.
- ▶ The ICP Logistics and Services Officer obtains and keeps any useful supporting documents.

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<b>JT23</b>	<b>JOB TICKETS</b>	<b>TELECOM &amp; INFORMATIC SERVICES (IT) OFFICER</b>
<b>ICP Crisis Cell - LOGISTICS</b>		

## JT23 – TELECOM & INFORMATIC SERVICES (IT) OFFICER

### SYNTHESIS

- ▶ The **Telecom & Informatic Services (IT) Officer** assists the ICP/ACP emergency management cells to ensure the availability of IT and telecommunication means and ensure the correct exchange of information inside and outside, as well as the availability of data through the company network.
- ▶ The Telecom & Informatic Services (IT) Officer belongs to the Logistics Section of the ICP crisis cell and is identified by color **YELLOW**.

### LOCATION

The Telecom & Informatic Services (IT) Officer, only if requested by the IC, She/He reaches the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara or, if necessary and with the indication of the ICP Director, She/He the ACP Emergency Management Room of the administrative building in Area N of the Tempa Rossa Oil Centre.

### MISSION

- ▶ She/He reports to the IC or OSC.
- ▶ If requested, She/He provides assistance to IT aspects.
- ▶ She/He verifies the proper functioning of the telecommunication systems in the various crisis rooms (landline telephone, smartphone, computer, videoconference tools, emails, PEC).
- ▶ She/He supports to the crisis cells in solving any IT problems.
- ▶ She/He supports to the crisis cells in the use of IT tools.

### TOOLS

- ▶ Job Ticket JT23.
- ▶ The Telecom & Informatic Services (IT) Officer obtains and keeps any useful supporting documents.

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<b>JT24</b>	<b>JOB TICKETS</b>	<b>SITE FINANCE AND ADMINISTRATION OFFICER</b>
<b>ICP Crisis Cell- FINANCE</b>		

## **JT24 – SITE FINANCE AND ADMINISTRATION OFFICER**

### SYNTHESIS

- ▶ The **Site Finance and Administration Officer** is responsible on the site for financial controls, tenders and claims management.
- ▶ The Site Finance and Administration Officer belongs to the Finance Section of the ICP crisis cell and is identified by color **GREEN**.

### LOCATION

The Site Finance and Administration Officer reaches the ICP Emergency Management Room of TEPIT Offices in Guardia Perticara.

### MISSION

- ▶ She/He reaches the ICP Emergency Management Room once alerted.
- ▶ She/He reports to the IC.
- ▶ If necessary, She/He interfaces with the Finance and Insurance Officer of the CMC crisis cell.
- ▶ She/He provides tracking of all expenses and recording of costs for response personnel, equipment, and resources.
- ▶ She/He manages claims for property damage, business interruptions or other issues such as health or medical claims.
- ▶ She/He attends time-outs.
- ▶ She/He takes part in the final debriefing.

### TOOLS

- ▶ Job Ticket JT24.
- ▶ The Site Finance and Administration Officer obtains and keeps any useful supporting documents.

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<b>JT25</b>	<b>JOB TICKETS</b>	<b>CMC DIRECTOR</b>
<b>CMC Crisis Cell</b>		

## JT25 – CMC DIRECTOR

### SYNTHESIS

- ▶ The **CMC Director** ensures that the emergency response strategy is defined to protect the image of the Company.
- ▶ The CMC Director, through the CMC crisis cell or through the support of the CCMC crisis cell, ensures communications with:
  - ➔ TEPIT Managing Director.
  - ➔ The crisis cell CSC - Paris, according to the Country Crisis Plan - L2-CIA-PR-002.
  - ➔ National authorities not involved locally.
  - ➔ The commercial partners of the Joint Venture.
  - ➔ Local and national media.
- ▶ The CMC Director, through the CMC crisis cell or also through the support of the CCMC crisis cell, ensures the following functions during an emergency:
  - ➔ Press releases.
  - ➔ Legal assistance.
  - ➔ Finance and insurance assistance.
  - ➔ Assistance on contracts.

### LOCATION

The CMC Director reaches the CMC Crisis Management Room of TotalEnergies Offices in Milan.

### MISSION

- ▶ Once informed of the emergency, She/He decides whether to activate the CMC crisis cell.
- ▶ She/He registers the names of the components of the CMC crisis cell present through the Form **FO1-3** "ACP crisis cell members".
- ▶ If She/He is the "first arrived", She/He sets up the CMC crisis cell according to the Form **FO2-1** – "First arrived check-list".
- ▶ She/He ensures that the actions recommended in the Form **FO2-2** "Immediate actions after crisis cells activation" are followed.
  - ▶ She/He takes stock of the situation with the Incident Commander and requests, if available, Form **FO7** – "Incident status".
- ▶ She/He reports all information to the TEPIT Managing Director and, if necessary, invites him/her to take part in the CMC crisis cell.
- ▶ She/He maintains direct and frequent contact with the ICP crisis cell.
- ▶ She/He decides whether to contact the CCMC via:
  - ➔ the Country CMC Deputy Director during normal weekly working hours,
  - ➔ the Stand-By Duty Officer outside normal weekly working hours (according to the updated document CCMC First Point of Contact - Country CMC Emergency Number - On Call Duty list).
- ▶ In cooperation with the IC, She/He decides whether to contact the CSC crisis cell and ensures its interface.
- ▶ She/He defines the communication strategy, potentially with the support of the CCMC crisis cell.
- ▶ In coordination with the IC, She/He manages communication with the authorities at national level (Local/Regional Authorities are managed directly by the ICP crisis cell).

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<b>JT25</b>	<b>JOB TICKETS</b>	<b>CMC DIRECTOR</b>
<b>CMC Crisis Cell</b>		

- ▶ In coordination with the IC, She/He ensures the first communications with the Local and/or National media by issuing press releases published on the press media or on the TEPIT website or on other communication carriers. She/He also uses form **FO9** – “Press release template”. If necessary, through the CCMC crisis cell, She/He requests the support of Communication staff.
- ▶ One of his main tasks is to assess the risks in terms of the image of the Affiliate and of the Group, of questioning the permits to operate, of loss of trust on the part of partners, shareholders, administration, population, or investors.
- ▶ In coordination with the IC, She/He defines proactive actions to try to avoid, or limit, the media, political, environmental, social, and corporate impacts.
- ▶ She/He ensures the management of the emergency regarding the legal and insurance dimension, possibly with the support of the CCMC crisis cell.
- ▶ In coordination with the Finance section of the ICP crisis cell, She/He ensures the financing of all the necessary means requested by the IC for the management of the crisis, the control of the event and the prevention of subsequent events.
- ▶ If necessary, through the CCMC crisis cell, She/He requests the support of legal staff or lawyers to assist the staff on site, or to verify the contents of the externally press releases from a legal point of view.
- ▶ In the event of the involvement of contractors or service companies, through the support of the CCMC crisis cell, She/He contacts the Representative of the contracting companies and coordinates their communication.
- ▶ She/He decides on the demobilization of the CMC crisis cell by informing the various entities involved.
- ▶ After the crisis, She/He participates in the debriefing with the ICP crisis cell.
- ▶ She/He supports the IC in the drafting of the “End of Crisis Report”.

#### TOOLS

- ▶ Job Ticket JT25.
- ▶ FO1-3 “ACP Crisis Cell members”.
- ▶ FO2-1 “First Arrived Check List.
- ▶ FO2-2 “Immediate Action after crisis cells activation.
- ▶ FO9 – “Press Release Template.
- ▶ RE1 – “Phone numbers and useful contacts.
- ▶ Country Crisis Plan - L2-CIA-PR-002.
- ▶ CCMC First Point of Contact - Country CMC Emergency Number - On Call Duty list

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<b>JT26</b>	<b>JOB TICKETS</b>	<b>RELATIONS WITH JOINT VENTURE PARTNERS OFFICER</b>	
<b>CMC Crisis Cell</b>			

## **JT26 - RELATIONS WITH JOINT VENTURE PARTNERS OFFICER**

### SYNTHESIS

- ▶ The role of the **Relations with Joint Venture Partners Officer** is to support the CMC Director in communications with the Joint Venture partners.
- ▶ In coordination with the CMC Director, She/She/He:
  - ➔ Informs the partners of the occurrence of the emergency.
  - ➔ Transmits the requested information after having validated it with the CMC Director.
  - ➔ Coordinates communications with Partners.

### LOCATION

The Relations with Joint Venture Partners Officer reaches the CMC Crisis Management Room of TotalEnergies Offices in Milan.

### MISSION

- ▶ She/He contacts the persons of the Partners designated for emergency situations.
- ▶ She/He keeps track of requests for information and information transmitted.
- ▶ After the crisis, She/He participates in the final debriefing with the ICP crisis cell.
- ▶

### TOOLS

The JV Partner Relations Officer obtains and maintains any useful supporting documents.

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<b>JT27</b>	<b>JOB TICKETS</b>	<b>FINANCE AND INSURANCE OFFICER</b>
<b>CMC Crisis Cell - FINANCE &amp; ADMINISTRATION</b>		

## JT27 - FINANCE AND INSURANCE OFFICER

### SYNTHESIS

- ▶ The role of the **Finance and Insurance Officer** is to assist the CMC Director in ensuring financial support to deal with the crisis of the plant.
- ▶ Furthermore, the Finance and Insurance Officer is responsible for supporting the CMC Director in matters related to financial, asset and insurance management.
- ▶ The Finance and Insurance Officer of the CMC crisis cell assists the Finance and Administration Officer on Site in the tasks provided by the Finance Section of the ICP crisis cell

### LOCATION

The Finance and Insurance Officer reaches the CMC Crisis Management Room of TotalEnergies Offices in Milan.

### MISSION

- ▶ She/He assists the CMC Director in managing the financial aspects related to the accident (order traceability, insurance, contractual aspects), also with the support of the CCMC crisis cell.
- ▶ She/He interfaces with the Finance and Administration on site for assistance with ongoing activities.
- ▶ To anticipate subsequent requests from insurance companies, She/He requests, through the CMC Director:
  - ➔ Pictures of the event.
  - ➔ Implement a simplified procedure for validating purchases and contracts established as a matter of urgency, to subsequently be able to justify them.
- ▶ After the crisis, She/He participates in the final debriefing with the ICP crisis cell.

### TOOLS

The Finance and Insurance Officer obtains and keeps any useful supporting documents.

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<b>JT28</b>	<b>JOB TICKETS</b>	<b>ICP/CMC ASSISTANT/S</b>
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## JT28 – ICP/CMC ASSISTANT(S)

### SYNTHESIS

As necessary, the Incident Commander or the CMC Director may request the support of staff available in the office for assistance functions:

- ▶ participate in the secretarial tasks;
- ▶ perform the switchboard functions, i.e., answer incoming telephone calls, filter them, and sort/transmit them within the crisis cells ICP and CMC.

### LOCATION

The Assistant reaches the ICP/CMC Emergency Management Room.

### MISSION

- ▶ She/He ensures that the actions recommended in the Forms **FO2** “Immediate actions after ERP activation” are followed.
- ▶ She/He checks the proper working of the phones in the crisis room switchboard.
- ▶ She/He checks the proper working of the laptop presents in the crisis room.
- ▶ She/He checks that the PC/Telephone connections are active.
- ▶ She/He helps in the mobilization of crisis cell members through telephone contact (**RE1** – “Telephone Numbers and Useful Contacts”) or using the on-duty planning available in each crisis cell.
- ▶ She/He identifies those who call and write down their telephone coordinates before transmitting the calls to the people in the cell concerned.
- ▶ She/He redirects incoming calls according to the distribution of responsibilities contained in the **FO1-2** or **FO1-3** Forms. In case of doubt, refer to the ICP/CMC Director to identify the correct reference.
- ▶ She/He connects your laptop to the available base.
- ▶ She/He opens the dedicated e-mail box according to the cell you belong to
  - ➔ [tepit.acp@totalenergies.com](mailto:tepit.acp@totalenergies.com) (ACP crisis cell).
  - ➔ [tepit.icp@totalenergies.com](mailto:tepit.icp@totalenergies.com) (ICP crisis cell).
  - ➔ [tepit.cmc@totalenergies.com](mailto:tepit.cmc@totalenergies.com) (CMC crisis cell).
  - ➔ [temparossa.totalepitalia@postecert.it](mailto:temparossa.totalepitalia@postecert.it)
- ▶ She/He updates the list of those present in the crisis cell (ICP or CMC) according to the Forms **FO1** – “crisis cell members”, then sends it to the other active crisis cells.
- ▶ She/He guarantees the supply of the crisis cell in drinks and meals, according JT 22.
- ▶ She/He reports to the ICP/CMC Director.
- ▶ After the crisis, She/He takes part in the debriefing.

### TOOLS

- ▶ FO1 – “crisis cells members”.
- ▶ FO2 – “First actions after the activation of ERP”.
- ▶ RE1 - Telephone numbers and useful contacts



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**SR**

**SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES**

# Section SR

**SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES**



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**SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES**

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SR1	Industrial Accident - Flammable Gas Release / Flash Fire
SR2	Industrial Accident - Jet Fire
SR3	Industrial Accident - Pool Fire
SR4	Industrial Accident - Explosion / UVCE / VCE
SR5	Industrial Accident - BLEVE and Fire Ball
SR6	Industrial Accident - <b>Top Major Scenarios</b> - Cards for <b>LPGC Safety Report</b> top event simulation
SR7	Accident with Serious Injury or Death.
SR8	Terrorist threat.
SR9	Vegetation fire outside the LPGC.
SR10	Natural Event – Earthquake. Landslide
SR11	Transportation Incident.

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<b>SR1</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>FLASH FIRE</b>
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## SR1 - Industrial Accident - FLASH FIRE

LPG Center	Place / unit where the scenario is possible	Description of the generic scenario
<b>Release of flammable gas with dispersion into the atmosphere, and ignition in an unconfined area</b>	Unit 38 - Area A	Release of LPG gas (C3, C4) from the LPG storage unit
	Unit 39 - Area A, B	Release of LPG gas (C3, C4) from the LPG loading / pumping unit
	Unit 49 - Area A, B	Release of flammable gas (LPG vapor) from the Torch unit.
	Area A, B	LPG release from tank trucks inside the LPG Centre

### DESCRIPTION:

- ▶ Loss of Gas containing flammable substances, characterized by process pressure and temperature:
  - ➔ Directional jet of pressurized gas, not very sensitive to wind
  - ➔ Cloud formation. Possibility of dispersion according to weather conditions (wind, humidity, temperature, atmospheric stability, etc.).

### ESCALATION:

- ▶ Flash Fire is a short-lived phenomenon. However, in the case of Flash Fire, the Fire can be spread to other units or areas.
- ▶ The Flash Fire can trigger other flammable gas clouds located in other areas.
- ▶ In the case of delayed ignition, the flammable gas cloud can accumulate inside plant units (areas with partial confinement) or inside confined areas (buildings, etc.). The initiation of these clouds can produce an explosion called UVCE (Unconfined Vapor Cloud Explosion) or VCE (Vapor Cloud Explosion).
- ▶ To evaluate the development of the scenario, according to the unit involved, refer to the specific sheet "SR6 - TOP MAJOR SCENARIO PER UNIT".

### PRINCIPLES OF PROTECTION:

- ▶ **Avoid triggering:**
  - **block any heat source.**
  - **turn off the car engine and block traffic.**
  - **switch off equipment not suitable for working in ATEX Zone 1-cat 2.**
- ▶ **Isolate the source of release or limit it.**
- ▶ **Activate Emergency Isolation (ESD), if necessary.**
- ▶ **Depressurize if necessary.**
- ▶ Contain the material in a controlled area if possible.
- ▶ Always move upwind of the release point.
- ▶ Pay attention to confined spaces where heavy gases can accumulate (LPG is heavier than air). In the event of an injured person being present in areas at risk due to the absence of oxygen, or possibly the presence of toxic gases, alert the control room and do not try to rescue without the prior equipment with self-contained breathing apparatus, if adequately trained and trained in its use.
- ▶ Prevent anyone from entering the site (except for external rescue teams).

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<b>SR1</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>FLASH FIRE</b>
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- ▶ Activate the Deluge systems in the area. Activate the deluge system, if possible, to disperse the gas and mitigate the effects on a possible explosion.
- ▶ Once the audible alarm system (PA/GA) for flammable gas has been activated (general alarm - intermittent tone and red-light signal):
  - ➔ the personnel present on site go to the indicated muster point.
  - ➔ the personnel in the technical building of the LPGC go to the Muster Point and awaits the directives of the RSES/RSES-D.
- ▶ To view the means of protection available, depending on the unit involved, refer to the specific sheet "SR6 - TOP MAJOR SCENARIO PER UNIT".

**SPECIAL CASE OF LOSS OF LPG (liquid):**

- ▶ In the units where LPG is processed in the liquid state (units 38, 39), the area is paved and curled so that, in the event of release, the spilled liquid is directed and collected in a special well (called impounding basins), positioned at a distance safety and protected by a 3% high expansion AFFFAR foam system.
- ▶ The LPG is then conveyed to these wells to drain the area below the equipment and limit their involvement in case of ignition. Furthermore, once conveyed inside the basin, it is possible to achieve controlled evaporation of the LPG.
- ▶ Inside each LPG leakage collection well (impounding basins) there are 2 thermosensitive cables. In the event of 1oo2 detection of the cables inside the LPG collection wells, the alarm is activated. In the event of 2oo2, the high expansion foam extinguishing system located above the cockpit is activated.



<b>SR1</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>FLASH FIRE</b>
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No.	FLASH FIRE	Components ACP Crisis Cell													
		Order	Action	ACP function and number of resources											
				RSES	LI	LS	MEL	EL	RSES-D	SIL	FIT	MED	MC		
1	Activation of the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											1
2	RSES - OSC	<input type="checkbox"/> h	<input type="checkbox"/> h	1											2
3	Intervention Leader	<input type="checkbox"/> h	<input type="checkbox"/> h		1										3
4	Installation Shutdown Leader	<input type="checkbox"/> h	<input type="checkbox"/> h			1									4
5	Muster and Evacuation Leader	<input type="checkbox"/> h	<input type="checkbox"/> h				1								5
7	ACP Event Logger	<input type="checkbox"/> h	<input type="checkbox"/> h					1							7
<b>Securing the plant - Apply REFLEX SHEET</b>															
8	Shut down of the systems from the LPG CR or CCR if the automatic locks have not intervened	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					8
9	Check that the automatic shutdown has been activated, otherwise activate it manually with the buttons on site.	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				9
<b>Safety of workers present</b>															
10	Order the staff present to reach the Muster Points	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					10
11	Order the POB count	<input type="checkbox"/> h	<input type="checkbox"/> h	1			1			1					11
12	Check the attendance register	<input type="checkbox"/> h	<input type="checkbox"/> h											1	12
13	Send the attendance register to the ICP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h											1	13
<b>Relations between the site and ACP crisis cell</b>															
14	Transmit all relevant information from the site of the event to the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				14
15	Assessment of the situation and the need for additional means	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										15
16	Direction of intervention actions	<input type="checkbox"/> h	<input type="checkbox"/> h		1										16
17	Activate the firefighting emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1					17
18	Use self-contained breathing apparatus for interventions in confined spaces or to access the accident area	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1	1	5			18
19	Avoid sources of ignition	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			19
20	Retrieve injured operators, if possible	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5	3		20
21	Identify the source of the leak	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			21
22	Forbid access to unauthorized persons	<input type="checkbox"/> h	<input type="checkbox"/> h											1	22
23	Isolate the leak manually, if the automatic devices have not intervened and if it is not dangerous. Approach upwind of release.	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			23
24	In case of fire, if possible, use water / foam extinguishing devices	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			24
25	Activate the medical emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1									3		25
26	If required, depressurize the equipment	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					26
27	If necessary, activate the stop of close units	<input type="checkbox"/> h	<input type="checkbox"/> h	1		1				1					27
28	Evaluate possible evolutions of the event	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1	1									28
<b>Communications with the ICP crisis cell</b>															
29	Inform the Gestore (IC)	<input type="checkbox"/> h	<input type="checkbox"/> h	1											29
30	Update the event log	<input type="checkbox"/> h	<input type="checkbox"/> h						1						30
31	Organize the debriefing at the end of the crisis	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					31
32	Demobilizing the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											32
33	Prepare a report of the event including an improvement plan if necessary	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										33

(\*) ON-SCENE COMMANDER (OSC): RSES (1)  
Installation Shutdown Leader: LS (1)

Intervention Leader: LI (1)  
Muster and Evacuation Leader: MEL (1)

Event Logger: EL (1)  
RSES-D: CR Leader (1)

Site Intervention Team Leader: SIL (1)  
First Intervention Team: FiFi-R (5)

Medical Team: MED (3)  
Muster Counter: MC (1)

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<b>SR2</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>JET FIRE</b>
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## SR2 - Industrial Accident - JET FIRE

LPG center	Place / unit where the scenario is possible	Description of the generic scenario
<b>Release of flammable gas under pressure with ignition and production of Jet Fire</b>	Unit 38 - Area A	Jet Fire following leak of flammable gas from LPG (C3, C4) under pressure from the LPG storage unit
	Unit 39 - Area A, B	Jet Fire following leak of flammable LPG gas (C3, C4) under pressure from the LPG loading / pumping unit
	Area A, B	Jet Fire following release of LPG from tankers inside the LPG Centre

### DESCRIPTION:

- ▶ Loss of gas containing flammable substances, characterized by pressure (min 2 bar) and process temperature:
  - ➔ Directional jet of pressurized gas, not very sensitive to wind.
  - ➔ Starting of the jet, immediate or delayed

### DEVELOPMENT - ESCALATION:

- ▶ Fire on other appliances or units.
- ▶ If the fire is not started, the pool of flammable liquid can evaporate (flash) and produce a cloud of flammable gas.
- ▶ Radiation towards other devices and capacities with increased pressure of the fluid inside and possible explosion.
- ▶ To evaluate the development of the scenario, according to the unit involved, refer to the specific sheet "SR6 - TOP MAJOR SCENARIO PER UNIT".

### PRINCIPLES OF PROTECTION:

- ▶ **Avoid triggering:**
  - block any heat source.
  - turn off the car engine and block traffic.
  - if it is possible to form a non-lit flammable cloud, turn off the devices not suitable for working in flammable atmosphere (ATEX Zone 1 - cat 2).
- ▶ **Isolate the source of release or limit it.**
- ▶ **Activate Emergency Isolation (ESD), if necessary.**
- ▶ **Depressurize if necessary.**
- ▶ Contain the material in a controlled area if possible.
- ▶ Always move upwind of the release point.
- ▶ Pay attention to confined spaces where heavy gases can accumulate (LPG is heavier than air): In the event of an injured person being present in areas at risk due to the absence of oxygen, or possibly toxic gases, alert the control room and do not try to rescue without the prior equipment with self-contained breathing apparatus, if adequately trained and trained in its use.
- ▶ Prevent anyone from entering the site (except for external rescue teams).
- ▶ **Activate the Deluge systems in the area. Activate the deluge system, if present, to cool the close equipment and capacities.**

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- ▶ Once the audible alarm system (PA/GA) for flammable gas has been activated (general alarm - intermittent tone and red-light signal):
  - ➔ the personnel on site go to the indicated muster point.
  - ➔ The personnel in the Technical Building of the LPGC go to the Muster Point and awaits the directives of the RSES /RSES-D.
- ▶ To view the means of protection available, depending on the unit involved, refer to the specific sheet “SR6 - TOP MAJOR SCENARIO PER UNIT”.



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<b>SR2</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>JET FIRE</b>
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JET FIRE	
Key information	Key actions
<ul style="list-style-type: none"> <li>• <b>F&amp;G survey:</b> Type (gas, flame, heat), Number, Position, Level.</li> <li>• <b>Wind direction,</b> wind speed and weather conditions.</li> <li>• <b>Flame Length</b></li> <li>• Appliances / Machines / Structures / Buildings impacted by fire.</li> <li>• SIMOPS in progress?</li> <li>• Number of people on the site?</li> <li>• Activities in progress (hot work, drilling, entering tanks, etc.)</li> <li>• Degraded situations</li> <li>• Lost or missing?</li> </ul>	<p><b>Primary</b></p> <ul style="list-style-type: none"> <li>• Call CCR number: <b>100.</b></li> <li>• Call Control Room LPGC: <b>400.</b></li> <li>• Activate general alarm.</li> <li>• PA/GA - Provide instructions.</li> <li>• <b>Unit shutdown (ESD) and depressurization of the affected unit.</b></li> <li>• Inform OSC/SES with key information.</li> <li>• Mobilize first intervention team and medical team.</li> </ul> <p><b>Control Room</b></p> <ul style="list-style-type: none"> <li>• <b>Isolate Leak at Source (ESD).</b></li> <li>• Activate the main fire water pumps.</li> <li>• Activate the deluge system where available.</li> <li>• Evaluation of the escalation.</li> </ul> <p><b>Intervention team</b></p> <ul style="list-style-type: none"> <li>• Gather and ready on Intervention Leader instruction.</li> </ul> <p><b>On site:</b></p> <ul style="list-style-type: none"> <li>• Send the First Intervention Team and prepare a safe route map to send to RSES /RSES-D.</li> <li>• Identify the source of the leak and isolate it. Pay attention to confined areas and lower areas where heavy gases can accumulate.</li> <li>• Define the green zone.</li> <li>• give first aid to victims if possible.</li> </ul> <p><b>Muster Point</b></p> <ul style="list-style-type: none"> <li>• POB count by the Muster Counter.</li> <li>• Pass the information to OSC/RSES.</li> </ul> <p><b>ICP/CMC crisis cell</b></p> <ul style="list-style-type: none"> <li>• Contact the competent authorities.</li> </ul>
Escalation-Mitigation measures	
<ul style="list-style-type: none"> <li>• Irradiation towards other devices containing liquid substance.</li> <li>• If there is no ignition, a cloud of flammable gases can be formed</li> <li>• Structural damage.</li> <li>• The muster point can be affected by the leak of LPG.</li> </ul>	<p><b>Fixed deluge systems and fire-fighting systems</b></p> <ul style="list-style-type: none"> <li>• Isolate the gas leak or depressurize.</li> <li>• Cool the close equipment exposed to thermal radiation by means of water-based fire-fighting systems (deluge, hydrants, water monitors): give priority to cooling the capacities vessels, or tanks containing liquid.</li> <li>• Approach over wind.</li> </ul>
Escape routes & Meeting	Means of evacuation
<ul style="list-style-type: none"> <li>• People will reach at the defined Muster Point or at the alternative muster point announced by PA/GA.</li> </ul>	<ul style="list-style-type: none"> <li>• Road transport.</li> </ul>

<b>SR2</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>JET FIRE</b>
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No.	JET FIRE	Components ACP Crisis Cell													
		Order	Action	ACP function and number of resources											
				RSES	LI	LS	MEL	EL	RSES-D	SIL	FIT	MED	MC		
1	Activation of the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											1
2	RSES - OSC	<input type="checkbox"/> h	<input type="checkbox"/> h	1											2
3	Intervention Leader	<input type="checkbox"/> h	<input type="checkbox"/> h		1										3
4	Installation Shutdown Leader	<input type="checkbox"/> h	<input type="checkbox"/> h			1									4
5	Muster and Evacuation Leader	<input type="checkbox"/> h	<input type="checkbox"/> h				1								5
7	ACP Event Logger	<input type="checkbox"/> h	<input type="checkbox"/> h					1							7
<b>Securing the plant - Apply REFLEX SHEET</b>															
8	Shut down of the systems from the LPG CR or CCR if the automatic locks have not intervened	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					8
9	Check that the automatic shutdown has been activated, otherwise activate it manually with the buttons on site.	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				9
<b>Safety of workers present</b>															
10	Order the staff present to reach the Muster Points	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					10
11	Order the POB count	<input type="checkbox"/> h	<input type="checkbox"/> h	1			1			1					11
12	Check the attendance register	<input type="checkbox"/> h	<input type="checkbox"/> h											1	12
13	Send the attendance register to the ICP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h											1	13
<b>Relations between the site and ACP crisis cell</b>															
14	Transmit all relevant information from the site of the event to the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				14
15	Assessment of the situation and the need for additional means	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										15
16	Direction of intervention actions	<input type="checkbox"/> h	<input type="checkbox"/> h		1										16
17	Activate the firefighting emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1					17
18	Use self-contained breathing apparatus for interventions in confined spaces or to access the accident area	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1	1	5			18
19	Avoid sources of ignition	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			19
20	Retrieve injured operators, if possible	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5	3		20
21	Identify the source of the leak	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			21
22	Forbid access to unauthorized persons	<input type="checkbox"/> h	<input type="checkbox"/> h											1	22
23	Isolate the leak manually, if the automatic devices have not intervened and if it is not dangerous. Approach upwind of release.	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			23
24	In case of fire, if possible, use water / foam extinguishing devices	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			24
25	Activate the medical emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1									3		25
26	If required, depressurize the equipment	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					26
27	If necessary, activate the stop of close units	<input type="checkbox"/> h	<input type="checkbox"/> h	1		1				1					27
28	Evaluate possible evolutions of the event	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1	1									28
<b>Communications with the ICP crisis cell</b>															
29	Inform the Gestore (IC)	<input type="checkbox"/> h	<input type="checkbox"/> h	1											29
30	Update the event log	<input type="checkbox"/> h	<input type="checkbox"/> h					1							30
31	Organize the debriefing at the end of the crisis	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					31
32	Demobilizing the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											32
33	Prepare a report of the event including an improvement plan if necessary	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										33

(\*) ON-SCENE COMMANDER (OSC): RSES (1)  
Installation Shutdown Leader: LS (1)

Intervention Leader: LI (1)  
Muster and Evacuation Leader: MEL (1)

Event Logger: EL (1)  
RSES-D: CR Leader (1)

Site Intervention Team Leader: SIL (1)  
First Intervention Team: FiFi-R (5)

Medical Team: MED (3)  
Muster Counter: MC (1)

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<b>SR3</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>POOL FIRE</b>
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## SR3 - Industrial Accident - POOL FIRE

LPG center	Place / unit where the scenario is possible	Description of the generic scenario
<b>Release of flammable / combustible liquid with initiation and formation of a pool fire</b>	Unit 38 - Area A	Release of liquid LPG (C3, C4) from the LPG storage unit
	Unit 39 - Area A, B	Release of liquid LPG (C3, C4) from the LPG loading / pumping unit
	Area A, B	Release of liquid LPG (C3, C4) from tankers inside the LPG Centre

### DESCRIPTION:

- ▶ Leakage of flammable / combustible liquid and formation of a pool in extension.
- ▶ The pool can be limited by curbs, containment basins or by the drainage system that allows to evacuate the spilled liquid.
- ▶ The pool can evaporate if the liquid has a temperature above the flash point and create a flammable cloud. In the case of LPG, the evaporation of the liquid is very important (1 volume of liquid produces about 250 volumes of gas).
- ▶ The pool can ignite and generate a fire.

### ESCALATION:

- ▶ If not ignited, the pool can evaporate and form a cloud of flammable vapours. The cloud can disperse towards the inside of the unit or towards other units and generate a Flash Fire or an Explosion (UVCE (VCE).
- ▶ If the pool is ignited, radiation to other appliances / capacities / machines and spread of fire to other appliances or units.
- ▶ If the fire is not ignited (or if it is extinguished after initially igniting), the pool of flammable liquid can evaporate (flash) and produce a cloud of flammable gas.
- ▶ Radiation towards other devices and capacities with increased pressure of the fluid inside and possible explosion.
- ▶ Development of toxic fumes and / or vapours (high toxicity of fumes in case of fire of chemical additives).
- ▶ To evaluate the development of the scenario, according to the unit involved, refer to the specific sheet "SR6 - TOP MAJOR SCENARIO PER UNIT".

### PRINCIPLES OF PROTECTION:

- ▶ **Avoid priming:**
  - block any heat source.
  - turn off the car engine and block traffic.
  - switch off equipment not suitable for working in flammable atmospheres (ATEX Zone 1 - cat 2).
- ▶ **Isolate the source of release or limit it**
- ▶ Depressurize if necessary.
- ▶ Contain the material in a controlled area if possible.

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<b>SR3</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>POOL FIRE</b>
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- ▶ **If the pool is triggered, provide for the application of water to extinguish the fire if possible and above all to control its development and protect close equipment (mainly the capacities with the liquid inside).** See also special case of LPG leak.
- ▶ Always move upwind of the release point
- ▶ Pay attention to confined spaces where heavy gases can accumulate (LPG is heavier than air): In the event of an injured person being present in areas at risk due to the absence of oxygen, or possibly toxic gases, alert the control room and do not try to rescue without the prior equipment with self-contained breathing apparatus, if adequately trained and trained in its use.
- ▶ Prevent anyone from entering the site (except for external rescue teams).
- ▶ Activate Emergency Isolation (ESD).
- ▶ Activate Blow down (depressurization).
- ▶ **Activate the Deluge systems in the area. Activate the deluge system, if present, to cool the close equipment and capacities.**
- ▶ Once the audible alarm system (PA/GA) for flammable gas has been activated (general alarm - intermittent tone and red-light signal):
  - ➔ the personnel on site go to the indicated Muster point.
  - ➔ the personnel present in the Technical Building of the LPGC, go to the Muster Point and awaits the directives of the OSC/RSES.
- ▶ **Make sure that the extinction water storage basin is closed to the receiving bodies.**
- ▶ To view the means of protection available, depending on the unit involved, refer to the specific sheet "SR6 - TOP MAJOR SCENARIO PER UNIT".

SPECIAL CASE OF LOSS OF LPG (liquid):

- ▶ In the units where LPG is processed in the liquid state (units 38, 39), the area is paved and curled so that, in the event of release, the spilled liquid is directed and collected in a special well (called impounding basins), positioned at a distance safety and protected by a 3% high expansion AFFFAR foam system.
- ▶ The LPG is then conveyed to these wells to drain the area below the equipment and limit their involvement in case of ignition. Furthermore, once conveyed inside the basin, it is possible to achieve controlled evaporation of the LPG.
- ▶ Inside each LPG leakage well (impounding basins) there are 2 thermosensitive cables. In the event of 1oo2 detection of the cables inside the LPG collection wells, the alarm is activated. In the event of 2oo2, the high expansion foam extinguishing system located above the cockpit is activated.



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SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

POOL FIRE

POOL FIRE	
Key information	Key actions
<ul style="list-style-type: none"> <li>• <b>F&amp;G survey:</b> Type (gas, flame, heat), Number, Position, Level.</li> <li>• <b>Wind direction,</b> wind speed and weather conditions.</li> <li>• <b>Is the pool triggered? Fire?</b></li> <li>• <b>Pool Size and Flame Height</b></li> <li>• Appliances / Machines / Structures / Buildings impacted by fire.</li> <li>• SIMOPS in progress?</li> <li>• Number of people on the site?</li> <li>• Activities in progress (hot work, drilling, entering tanks, etc.)</li> <li>• Degraded situations</li> <li>• Wounded or missing?</li> </ul>	<p><b>Primary</b></p> <ul style="list-style-type: none"> <li>• Call CCR number: <b>100.</b></li> <li>• Call Control Room LPGC: number <b>400.</b></li> <li>• Activate general alarm.</li> <li>• PA/GA - Provide instructions.</li> <li>• Stopping the unit and depressurizing the unit concerned.</li> <li>• Inform OSC/RSES with key information.</li> <li>• Intervention Team: mobilize first intervention and medical teams.</li> </ul> <p><b>Central Control room</b></p> <ul style="list-style-type: none"> <li>• Isolate Leak at Source (ESD).</li> <li>• Activate the main fire water pumps.</li> <li>• Activate the deluge system to cool close equipment.</li> <li>• Activate fixed extinguishing systems (foam systems).</li> <li>• Monitoring of foam reserves.</li> <li>• Evaluation of the escalation.</li> </ul> <p><b>Intervention team</b></p> <ul style="list-style-type: none"> <li>• Gather and ready on Intervention Leader instruction.</li> </ul> <p><b>On site:</b></p> <ul style="list-style-type: none"> <li>○ Send the First Intervention Team and prepare a safe route map to send to OSC/RSES.</li> <li>○ Identify the source of the leak and isolate it manually if possible. Pay attention to confined areas and lower areas where heavy gases can accumulate.</li> <li>○ <b>Prepare the fire attack by means of local devices (monitors, hydrants) as an alternative or in parallel to the fixed systems.</b></li> <li>○ <b>If the pool is not primed, use foam to limit evaporation.</b></li> <li>○ In case of LPG leak, check if the liquid is collected in the Impounding basin and the activation of the high expansion foam system.</li> <li>○ Determine the green zone</li> <li>○ Give first aid to victims, if possible.</li> </ul> <p><b>Muster Points</b></p> <ul style="list-style-type: none"> <li>• POB count by the Muster Counter.</li> <li>• Pass the information to OSC / RSES.</li> </ul> <p><b>ICP/CMC crisis cells</b></p> <ul style="list-style-type: none"> <li>• Contact the competent authorities.</li> </ul>
Escalation-Mitigation measures	
<ul style="list-style-type: none"> <li>• Irradiation towards other devices/capacities/machines.</li> <li>• If there is no ignition, possible evaporation of the liquid and formation of a cloud of flammable/toxic gases.</li> <li>• Structural damage.</li> <li>• The Muster Points can be affected by the loss of LPG and the development of fumes.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Fixed deluge systems and fire-fighting systems.</b></li> <li>• <b>If necessary, extinguish with foam in case of LPG fire.</b></li> <li>• <b>Approach over wind.</b></li> </ul>
Escape routes & Meeting	Means of evacuation
<ul style="list-style-type: none"> <li>• People will reach at the defined Muster Point or at the alternative muster point announced by PA/GA.</li> </ul>	<ul style="list-style-type: none"> <li>• Road transport</li> </ul>

<b>SR3</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>POOL FIRE</b>
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No.	POOL FIRE	Components ACP Crisis Cell													
		Order	Action	ACP function and number of resources											
				RSES	LI	LS	MEL	EL	RSES-D	SIL	FIT	MED	MC		
1	Activation of the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											1
2	RSES - OSC	<input type="checkbox"/> h	<input type="checkbox"/> h	1											2
3	Intervention Leader	<input type="checkbox"/> h	<input type="checkbox"/> h		1										3
4	Installation Shutdown Leader	<input type="checkbox"/> h	<input type="checkbox"/> h			1									4
5	Muster and Evacuation Leader	<input type="checkbox"/> h	<input type="checkbox"/> h				1								5
7	ACP Event Logger	<input type="checkbox"/> h	<input type="checkbox"/> h					1							7
<b>Securing the plant - Apply REFLEX SHEET</b>															
8	Shut down of the systems from the LPG CR or CCR if the automatic locks have not intervened	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					8
9	Check that the automatic shutdown has been activated, otherwise activate it manually with the buttons on site.	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				9
<b>Safety of workers present</b>															
10	Order the staff present to reach the Muster Points	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					10
11	Order the POB count	<input type="checkbox"/> h	<input type="checkbox"/> h	1			1			1					11
12	Check the attendance register	<input type="checkbox"/> h	<input type="checkbox"/> h											1	12
13	Send the attendance register to the ICP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h											1	13
<b>Relations between the site and ACP crisis cell</b>															
14	Transmit all relevant information from the site of the event to the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				14
15	Assessment of the situation and the need for additional means	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										15
16	Direction of intervention actions	<input type="checkbox"/> h	<input type="checkbox"/> h		1										16
17	Activate the firefighting emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1					17
18	Use self-contained breathing apparatus for interventions in confined spaces or to access the accident area	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1	1	5			18
19	Avoid sources of ignition	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			19
20	Retrieve injured operators, if possible	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5	3		20
21	Identify the source of the leak	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			21
22	Forbid access to unauthorized persons	<input type="checkbox"/> h	<input type="checkbox"/> h											1	22
23	Isolate the leak manually, if the automatic devices have not intervened and if it is not dangerous. Approach upwind of release.	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			23
24	In case of fire, if possible, use water / foam extinguishing devices	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			24
25	Activate the medical emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1									3		25
26	If required, depressurize the equipment	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					26
27	If necessary, activate the stop of close units	<input type="checkbox"/> h	<input type="checkbox"/> h	1		1				1					27
28	Evaluate possible evolutions of the event	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1	1									28
<b>Communications with the ICP crisis cell</b>															
29	Inform the Gestore (IC)	<input type="checkbox"/> h	<input type="checkbox"/> h	1											29
30	Update the event log	<input type="checkbox"/> h	<input type="checkbox"/> h						1						30
31	Organize the debriefing at the end of the crisis	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					31
32	Demobilizing the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											32
33	Prepare a report of the event including an improvement plan if necessary	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										33

(\*) ON-SCENE COMMANDER (OSC): RSES (1)  
Installation Shutdown Leader: LS (1)

Intervention Leader: LI (1)  
Muster and Evacuation Leader: MEL (1)

Event Logger: EL (1)  
RSES-D: CR Leader (1)

Site Intervention Team Leader: SIL (1)  
First Intervention Team: FiFi-R (5)

Medical Team: MED (3)  
Muster Counter: MC (1)

<b>SR4</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>EXPLOSION - UVCE - VCE</b>
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### SR4 - Industrial Accident - EXPLOSION / UVCE / VCE

LPG center	Place / unit where the scenario is possible	Description of the generic scenario
<b>Release of flammable gas with dispersion into the atmosphere, without immediate ignition, but with delayed ignition in confined / semi-confined area</b>	Unit 38 - Area A	Release of LPG gas (C3, C4) from the LPG storage unit
	Unit 39 - Area A, B	Release of LPG gas (C3, C4) from the LPG loading / pumping unit
	Unit 49 - Area A, B	Release of flammable gas (LPG vapor) from the Torch unit.
	Area A, B	LPG release from tank trucks inside the LPG Centre

**DESCRIPTION:**

- ▶ The term "explosion" defines all those phenomena in which, in a very short time, there is a release of energy in the form of shock waves (overpressure waves) capable of producing significant damage to things and / or people.
- ▶ In the case of delayed ignition, the flammable gas cloud can accumulate inside plant units (areas with partial confinement) or inside confined areas (buildings, etc.).
- ▶ The initiation of these clouds can produce an explosion called UVCE (Unconfined Vapor Cloud Explosion) or VCE (Vapor Cloud Explosion).

**ESCALATION:**

- ▶ Release, fire, and damage to equipment even over long distances.
- ▶ To evaluate the development of the scenario, according to the unit involved, refer to the specific sheet "SR6 - TOP MAJOR SCENARIO PER UNIT".
- ▶ NOTE: For the LPGC, the equipment, structures and buildings are sized to withstand an explosion estimated as credible, according to the following values:

SITE	FIRE ZONE / LAYOUT ZONE	UNITS	Design criteria	
			DLB - Ductility Level Blast	SLB - Strength Level Blast
SITE 2 LPG Centre	LPG loading area	Unit 39	0,20 barg 30 ms duration EW = 120 m/s	0,08 barg 30 ms duration EW = 80 m/s
	Flare (KO drum included)	Unit 49	0,10 barg 30 ms duration EW = 90 m/s	0,03 barg (see remark) 30 ms duration
	Fire water tank	Unit 01	0,14 barg 30 ms duration	n.a.
	LPG storages	Unit 38	0,08 barg 30 ms duration	n.a.

<b>SR4</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>EXPLOSION - UVCE - VCE</b>
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SITE	BUILDING IDENTIFICATION	Design criteria
SITE 3 LPG Centre	Technical building / warehouse / workshop	0,18 barg 30 ms duration
	Electrical substation	0,18 barg 30 ms duration
	Fire water pumps building	0,18 barg 30 ms duration

**PRINCIPLES OF PROTECTION:**

- ▶ Suspend work in progress.
- ▶ Where possible, intercept the line and / or equipment affected by residual leaks.
- ▶ **Activate Emergency Isolation (ESD).**
- ▶ **Depressurize if necessary.**
- ▶ Activate fixed fire-fighting devices for cooling units and close equipment if available.
- ▶ Activate the deluge systems in the area. Activate the deluge system, if possible, to disperse the gas and mitigate the effects on a possible explosion.
- ▶ Always move upwind of the release point.
- ▶ Pay attention to confined spaces where heavy gases can accumulate (LPG is heavier than air): In the event of an injured person being present in areas at risk due to the absence of oxygen, or possibly toxic gases, alert the control room and do not try to rescue without the prior equipment with self-contained breathing apparatus, if adequately trained and trained in its use.
- ▶ Prevent anyone from entering the site (except for external rescue teams).
- ▶ Once the audible alarm system (PA/GA) for flammable gas has been activated (general alarm - intermittent tone and red-light signal):
  - ➔ the staff present in the field goes to the indicated muster point.
  - ➔ the staff present in the Technical Building of the LPGC, goes to the Muster Point and awaits the directives of the RSES/RSES-D.
- ▶ To view the means of protection available, depending on the unit involved, refer to the specific sheet "SR6 - TOP MAJOR SCENARIO PER UNIT".



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SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

EXPLOSION - UVCE - VCE

EXPLOSION/VCE/UVCE	
Key information	Key actions
<ul style="list-style-type: none"> <li>• Activation of the fire pumps?</li> <li>• Wind direction, weather conditions</li> <li>• activation of ESD1?</li> <li>• Blowdown activated?</li> <li>• Number of people on the site</li> <li>• Activities in progress (hot work, drilling, entering tanks, etc.)</li> <li>• Degraded situations</li> <li>• Wounded or missing?</li> </ul>	<p><b>Primary</b></p> <ul style="list-style-type: none"> <li>• Call CCR number: <b>100</b>.</li> <li>• Call LPGC Control Room: number <b>400</b>.</li> <li>• Activate the General Alarms.</li> <li>• PA/GA - Provide instructions</li> <li>• Stopping the unit and depressurizing the unit concerned.</li> <li>• Intervention Team: mobilize first intervention team and medical team.</li> </ul> <p><b>Control room</b></p> <ul style="list-style-type: none"> <li>• Isolate the leak at source (ESD).</li> <li>• Turn off potential sources of ignition.</li> <li>• Evaluation of the escalation</li> </ul> <p><b>Intervention team</b></p> <ul style="list-style-type: none"> <li>• Gather and ready to the site intervention if there is no fire/explosion risk.</li> </ul> <p><b>On site:</b></p> <ul style="list-style-type: none"> <li>• If there is no fire / explosion risk, send the First Intervention Team and prepare a safe map to send to RSES/RSES-D.               <ul style="list-style-type: none"> <li>○ Identify the source of the leak and isolate it. Pay attention to confined areas and lower areas where heavy gases can accumulate.</li> <li>○ Define the green zone</li> <li>○ Give first aid to victims, if possible.</li> </ul> </li> </ul> <p><b>Muster Point:</b></p> <ul style="list-style-type: none"> <li>• POB count by the Muster Counter.</li> <li>• Pass the information to RSES/RSES-D.</li> </ul> <p><b>ICP/CMC crisis cell</b></p> <ul style="list-style-type: none"> <li>• Contact the competent authorities.</li> </ul>
Escalation-Mitigation measures	
<ul style="list-style-type: none"> <li>• Ignition potential of the gas cloud (fire, explosion).</li> <li>• Structural damage.</li> <li>• The muster point can be affected by the loss of LPG.</li> <li>• Impairment of escape routes.</li> </ul>	<ul style="list-style-type: none"> <li>• Fixed deluge systems and flooding fire extinguishing systems for gas dilution.</li> <li>• Approach over wind.</li> </ul>
Escape routes & Meeting	Means of evacuation
<ul style="list-style-type: none"> <li>• People will reach at the defined Muster Point or at the alternative muster point announced by PA/GA.</li> </ul>	<ul style="list-style-type: none"> <li>• Road transport.</li> </ul>

<b>SR4</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>EXPLOSION - UVCE - VCE</b>
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No.	EXPLOSION – UVCE - VCE	Components ACP Crisis Cell													
		Order	Action	ACP function and number of resources											
				RSES	LI	LS	MEL	EL	RSES-D	SIL	FIT	MED	MC		
1	Activation of the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											1
2	RSES - OSC	<input type="checkbox"/> h	<input type="checkbox"/> h	1											2
3	Intervention Leader	<input type="checkbox"/> h	<input type="checkbox"/> h		1										3
4	Installation Shutdown Leader	<input type="checkbox"/> h	<input type="checkbox"/> h			1									4
5	Muster and Evacuation Leader	<input type="checkbox"/> h	<input type="checkbox"/> h				1								5
7	ACP Event Logger	<input type="checkbox"/> h	<input type="checkbox"/> h					1							7
<b>Securing the plant - Apply REFLEX SHEET</b>															
8	Shut down of the systems from the LPG CR or CCR if the automatic locks have not intervened	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					8
9	Check that the automatic shutdown has been activated, otherwise activate it manually with the buttons on site.	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				9
<b>Safety of workers present</b>															
10	Order the staff present to reach the Muster Points	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					10
11	Order the POB count	<input type="checkbox"/> h	<input type="checkbox"/> h	1			1			1					11
12	Check the attendance register	<input type="checkbox"/> h	<input type="checkbox"/> h											1	12
13	Send the attendance register to the ICP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h											1	13
<b>Relations between the site and ACP crisis cell</b>															
14	Transmit all relevant information from the site of the event to the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				14
15	Assessment of the situation and the need for additional means	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										15
16	Direction of intervention actions	<input type="checkbox"/> h	<input type="checkbox"/> h		1										16
17	Activate the firefighting emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1					17
18	Use self-contained breathing apparatus for interventions in confined spaces or to access the accident area	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1	1	5			18
19	Avoid sources of ignition	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			19
20	Retrieve injured operators, if possible	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5	3		20
21	Identify the source of the leak	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			21
22	Forbid access to unauthorized persons	<input type="checkbox"/> h	<input type="checkbox"/> h											1	22
23	Isolate the leak manually, if the automatic devices have not intervened and if it is not dangerous. Approach upwind of release.	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			23
24	In case of fire, if possible, use water / foam extinguishing devices	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			24
25	Activate the medical emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1									3		25
26	If required, depressurize the equipment	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					26
27	If necessary, activate the stop of close units	<input type="checkbox"/> h	<input type="checkbox"/> h	1		1				1					27
28	Evaluate possible evolutions of the event	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1	1									28
<b>Communications with the ICP crisis cell</b>															
29	Inform the Gestore (IC)	<input type="checkbox"/> h	<input type="checkbox"/> h	1											29
30	Update the event log	<input type="checkbox"/> h	<input type="checkbox"/> h						1						30
31	Organize the debriefing at the end of the crisis	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					31
32	Demobilizing the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											32
33	Prepare a report of the event including an improvement plan if necessary	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										33

(\*) ON-SCENE COMMANDER (OSC): RSES (1)  
Installation Shutdown Leader: LS (1)

Intervention Leader: LI (1)  
Muster and Evacuation Leader: MEL (1)

Event Logger: EL (1)  
RSES-D: CR Leader (1)

Site Intervention Team Leader: SIL (1)  
First Intervention Team: FiFi-R (5)

Medical Team: MED (3)  
Muster Counter: MC (1)

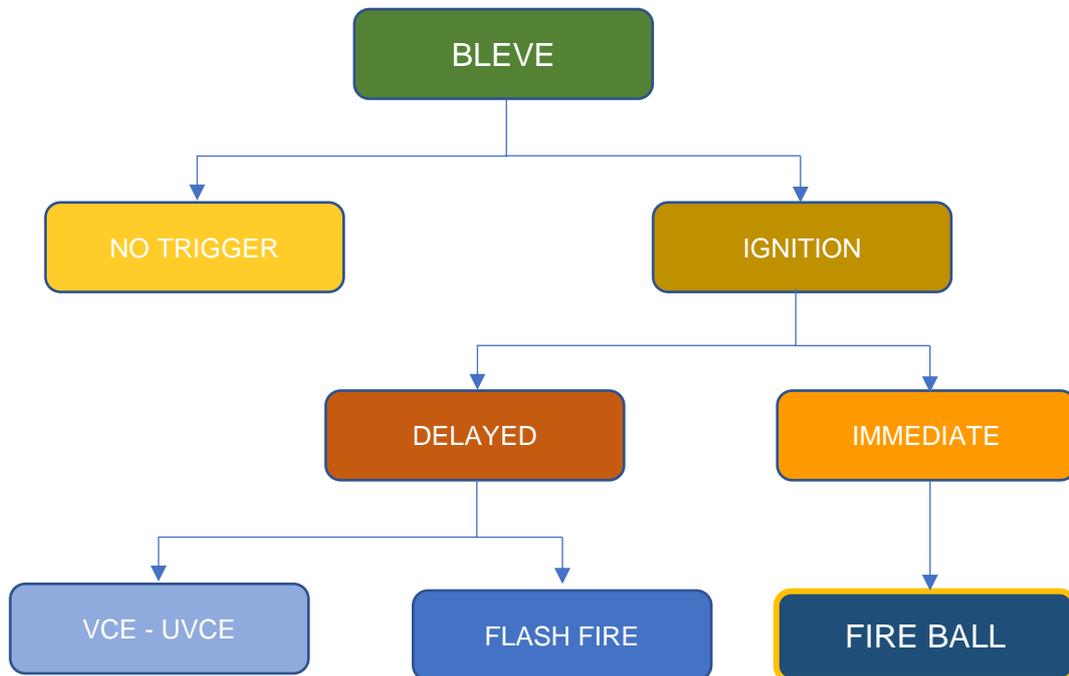
<b>SR5</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>BLEVE - FIRE BALL</b>
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### SR5 - Industrial Accident - BLEVE - FIRE BALL

LPG center	Place / unit where the scenario is possible	Description of the generic scenario
<b>BLEVE - Fire Ball</b>	Area A, B	LPG release from tank trucks inside the LPG Centre

**DESCRIPTION:**

- ▶ The BLEVE (Boiling Liquid Expanding Vapor Explosion) of a tank exposed to flames for a duration of at least 30 'is the event of ductile rupture of the tank plates subjected to the internal pressure of the fluid and to a heating that implements their mechanical resistance. In this way the tank explodes with sudden expansion of the contained fluid and projection of sheet metal shreds at considerable distances.
- ▶ If the substance contained in the tank is flammable, the fire of the expanding flammable vapours takes place, and there is the formation of a sphere of fiery gas (FIREBALL) which expands and rises in the air, radiating heat.



- ▶ The BLEVE scenario is not to be considered credible for LPG storage tanks 40-VZ-3801 A and B as they are buried, as well as equipped with relief valves sized for an external fire: the tanks are placed on a bed of sand and covered with a thickness of 1000 mm of sand and earth (of which at least 500 mm of sand), according to the procedures provided for in the matter by Ministerial Decree 13/10/94 at point 5.4 of Title V and the Normative Document of CTI / SC7 - SGPLT-6 of 22/01/96 "Buried LPG storage".

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- ▶ The BLEVE scenario for tankers has a very low probability of occurrence (<< 10<sup>-6</sup>). During the LPG loading operations, the tanker is positioned inside a bay with reinforced concrete screen walls (REI 90) placed for mutual separation of the transfer points.

DEVELOPMENT - ESCALATION:

- ▶ Generalized fire at great distance
- ▶ Possible domino effect to other appliances

PRINCIPLES OF PROTECTION:

- ▶ Once a fire in the vicinity of tank trucks or other capacities is triggered:
  - ➔ switch off using ESD (Emergency Shut Down) or using the water / foam systems;
  - ➔ use water systems (deluge, monitors, and hydrants) to cool close equipment and capacities in order to limit overheating.
- ▶ To view the means of protection available, depending on the unit involved, refer to the specific sheet "SR6 - TOP MAJOR SCENARIO PER UNIT".



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SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

BLEVE - FIRE BALL

BLEVE- FIRE BALL	
Key information	Key actions
<ul style="list-style-type: none"> <li>• Toxic or flammable gas alarm?</li> <li>• Gas detection and position.</li> <li>• Possible sources of ignition near leaks.</li> <li>• Wind direction, wind speed and weather conditions</li> <li>• Number of detectors indicating the gas and at what level.</li> <li>• SIMOPS in progress?</li> <li>• Number of people on the site?</li> <li>• Activities in progress (hot work, drilling, entering tanks, etc.)</li> <li>• Degraded situations?</li> <li>• Lost or missing?</li> </ul>	<p><b>Primary</b></p> <ul style="list-style-type: none"> <li>• Call CCR: number <b>100</b>.</li> <li>• Call LPGC Control Room: number <b>400</b>.</li> <li>• Activate general alarm.</li> <li>• PA/GA - Provide instructions</li> <li>• Stopping the unit and depressurizing the unit concerned.</li> <li>• Inform OSC/RSES with key information.</li> <li>• Intervention Team: mobilize first intervention team and medical team.</li> </ul> <p><b>Control room</b></p> <ul style="list-style-type: none"> <li>• Isolate Leak at Source (ESD).</li> <li>• Activate the main fire water pumps.</li> <li>• Activate Deluge to cool close equipment.</li> <li>• Activate fixed extinguishing systems (foam systems).</li> <li>• Evaluation of the escalation.</li> </ul> <p><b>Intervention team</b></p> <ul style="list-style-type: none"> <li>• Gather and ready on Intervention Leader instruction.</li> </ul> <p><b>On site:</b></p> <ul style="list-style-type: none"> <li>○ Send the First Intervention Team and prepare a safe route map to send to RSES/RSES-D.</li> <li>○ Identify the source of the leak and isolate it manually if possible. Pay attention to confined areas and lower areas where heavy gases can accumulate.</li> <li>○ <b>Prepare the fire attack by means of local devices (monitors, hydrants) as an alternative or in parallel to the fixed systems.</b></li> <li>○ Define the green zone.</li> <li>○ Give first aid to victims.</li> </ul> <p><b>Muster Points</b></p> <ul style="list-style-type: none"> <li>• POB count by the Muster Counter.</li> <li>• Pass the information to RSES/RSES-D.</li> </ul> <p><b>ICP / CMC crisis cells</b></p> <p>Contact the competent authorities.</p>
Escalation-Mitigation measures	
<ul style="list-style-type: none"> <li>• Irradiation towards other devices/capacities/machines.</li> <li>• If there is no ignition, possible evaporation of the liquid and formation of a cloud of flammable/toxic gases.</li> <li>• Structural damage.</li> <li>• The Muster Points can be affected by the leak of GPL and the development of fumes.</li> </ul>	<ul style="list-style-type: none"> <li>• Fixed deluge systems and fire-fighting systems.</li> <li>• Approach over wind.</li> </ul>
Escape routes & Meeting	Means of evacuation
<ul style="list-style-type: none"> <li>• People will reach at the defined Muster Point or at the alternative muster point announced by PA/GA.</li> </ul>	<ul style="list-style-type: none"> <li>• Road transport</li> </ul>

<b>SR5</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>BLEVE - FIRE BALL</b>
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No.	BLEVE - FIRE BALL	Components ACP Crisis Cell													
		Order	Action	ACP function and number of resources											
				RSES	LI	LS	MEL	EL	RSES-D	SIL	FIT	MED	MC		
1	Activation of the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											1
2	RSES - OSC	<input type="checkbox"/> h	<input type="checkbox"/> h	1											2
3	Intervention Leader	<input type="checkbox"/> h	<input type="checkbox"/> h		1										3
4	Installation Shutdown Leader	<input type="checkbox"/> h	<input type="checkbox"/> h			1									4
5	Muster and Evacuation Leader	<input type="checkbox"/> h	<input type="checkbox"/> h				1								5
7	ACP Event Logger	<input type="checkbox"/> h	<input type="checkbox"/> h					1							7
<b>Securing the plant - Apply REFLEX SHEET</b>															
8	Shut down of the systems from the LPG CR or CCR if the automatic locks have not intervened	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					8
9	Check that the automatic shutdown has been activated, otherwise activate it manually with the buttons on site.	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				9
<b>Safety of workers present</b>															
10	Order the staff present to reach the Muster Points	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					10
11	Order the POB count	<input type="checkbox"/> h	<input type="checkbox"/> h	1			1			1					11
12	Check the attendance register	<input type="checkbox"/> h	<input type="checkbox"/> h											1	12
13	Send the attendance register to the ICP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h											1	13
<b>Relations between the site and ACP crisis cell</b>															
14	Transmit all relevant information from the site of the event to the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				14
15	Assessment of the situation and the need for additional means	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										15
16	Direction of intervention actions	<input type="checkbox"/> h	<input type="checkbox"/> h		1										16
17	Activate the firefighting emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1					17
18	Use self-contained breathing apparatus for interventions in confined spaces or to access the accident area	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1	1	5			18
19	Avoid sources of ignition	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			19
20	Retrieve injured operators, if possible	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5	3		20
21	Identify the source of the leak	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			21
22	Forbid access to unauthorized persons	<input type="checkbox"/> h	<input type="checkbox"/> h											1	22
23	Isolate the leak manually, if the automatic devices have not intervened and if it is not dangerous. Approach upwind of release.	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			23
24	In case of fire, if possible, use water / foam extinguishing devices	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			24
25	Activate the medical emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1									3		25
26	If required, depressurize the equipment	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					26
27	If necessary, activate the stop of close units	<input type="checkbox"/> h	<input type="checkbox"/> h	1		1				1					27
28	Evaluate possible evolutions of the event	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1	1									28
<b>Communications with the ICP crisis cell</b>															
29	Inform the Gestore (IC)	<input type="checkbox"/> h	<input type="checkbox"/> h	1											29
30	Update the event log	<input type="checkbox"/> h	<input type="checkbox"/> h						1						30
31	Organize the debriefing at the end of the crisis	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					31
32	Demobilizing the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											32
33	Prepare a report of the event including an improvement plan if necessary	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										33

(\*) ON-SCENE COMMANDER (OSC): RSES (1)  
Installation Shutdown Leader: LS (1)

Intervention Leader: LI (1)  
Muster and Evacuation Leader: MEL (1)

Event Logger: EL (1)  
RSES-D: CR Leader (1)

Site Intervention Team Leader: SIL (1)  
First Intervention Team: FiFi-R (5)

Medical Team: MED (3)  
Muster Counter: MC (1)



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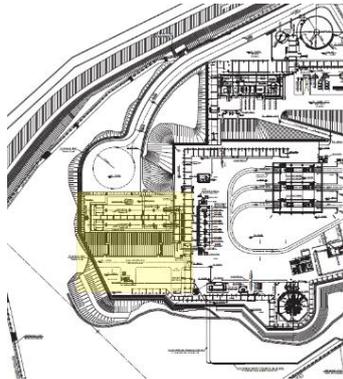
SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO

UNIT 38

SR6 - Industrial Accident - TOP MAJOR SCENARIO PER UNIT

UNIT 38



Risk Analysis	Worst case		Damage scenario	Distances of the damage scenario (worst case)
	Scenario reference	Scenario description		
TRA - TotalEnergies	IS_LPG_0A1-01L_MED_UNFF	Loss of containment - Gas release - LOADING MODE: LPG to LPG storage vessel (40-VZ-3801 A) - MEDIUM leak	Flash Fire Unisolated release 65 mm	RAD LFL: 60 m
	IS_LPG_002-02L_MED_ISFF IS_LPG_002-02L_MED_UNFF	Loss of containment - Gas release - HOLDING MODE: LPG to LPG storage vessel (40-VZ-3801B) - MEDIUM leak	Flash Fire Isolated and Unisolated release 65 mm	RAD LFL: 205 m
	IS_LPG_0A1-01L_MED_UNJF	Loss of containment - Gas release - LOADING MODE: LPG to LPG storage vessel (40-VZ-3801 A) - MEDIUM leak	Jet Fire Unisolated release 65 mm	RAD 37.5 kW / m <sup>2</sup> : 60 m RAD 5 kW / m <sup>2</sup> : 95 m RAD 3 kW / m <sup>2</sup> : 105 m
	IS_LPG_002-02L_MED_ISJF IS_LPG_002-02L_MED_UNJF IS_LPG_002-01L_MED_ISJF IS_LPG_002-01L_MED_UNJF	Loss of containment - Gas release - LOADING & HOLDING MODES: LPG to LPG storage vessel (40-VZ-3801A) - MEDIUM leak	Jet Fire Isolated and Unisolated release 65 mm	RAD 37.5 kW / m <sup>2</sup> : 105 m RAD 5 kW / m <sup>2</sup> : 160 m RAD 3 kW / m <sup>2</sup> : 185 m
	IS_LPG_0A1-01L_MED_UNPF	Loss of containment - Liquid release - LOADING MODE: LPG to LPG storage vessel (40-VZ-3801 A) - MEDIUM leak	Pool Fire Unisolated release 65 mm	RAD 37.5 kW / m <sup>2</sup> : 0 m RAD 5 kW / m <sup>2</sup> : 85 m RAD 3 kW / m <sup>2</sup> : 95 m
	IS_LPG_0A1-01L_MED_ISEX	Loss of containment - Gas release - LOADING MODE: LPG to LPG storage vessel (40-VZ-3801 A) - MEDIUM leak	Explosion Isolated release 65 mm	BLAST 50 mbar: 65 m BLAST 140 mbar: 30 m BLAST 350 mbar: 10 m
	IS_LPG_002-01L_MED_ISEX IS_LPG_002-01L_MED_UNEX IS_LPG_002-02L_MED_ISEX IS_LPG_002-02L_MED_UNEX	Loss of containment - Gas release - LOADING & HOLDING MODES: LPG to LPG storage	Explosion Isolated and Unisolated release 65 mm	BLAST 50 mbar: 135 m BLAST 140 mbar: 55 m BLAST 350 mbar: 20 m



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Seveso RdS - LPGC	S1 scenario	vessel (40-VZ-3801A) - MEDIUM leak  Release of LPG in the liquid phase by random rupture Plant unit 38, entrance pipeline e Mercaptans injection	Flash Fire 6.35 mm D5	RAD LFL: 8 m RAD ½ LFL: 11 m
			Flash Fire 25.4 mm D5	RAD LFL: 11 m RAD ½ LFL: 14 m
			Pool Fire 6.35 mm D5	RAD 37.5 kW / m²: 4 m RAD 12.5 kW / m²: 12 m RAD 7 kW / m²: 14 m RAD 5 kW / m²: 16 m RAD 3 kW / m²: 19 m
			Pool Fire 25.4 mm D5	RAD 37.5 kW / m²: 7 m RAD 12.5 kW / m²: 16 m RAD 7 kW / m²: 19 m RAD 5 kW / m²: 22 m RAD 3 kW / m²: 26 m
			Jet Fire 6.35 mm D5	RAD 37.5 kW / m²: 9 m RAD 12.5 kW / m²: 14 m RAD 7 kW / m²: 17 m RAD 5 kW / m²: 20 m RAD 3 kW / m²: 23 m
			Jet Fire 25.4 mm D5	RAD 37.5 kW / m²: 13 m RAD 12.5 kW / m²: 19 m RAD 7 kW / m²: 24 m RAD 5 kW / m²: 27 m RAD 3 kW / m²: 32 m
			Jet Fire 101.6 mm D5	RAD 37.5 kW / m²: 13 m RAD 12.5 kW / m²: 19 m RAD 7 kW / m²: 24 m RAD 5 kW / m²: 27 m RAD 3 kW / m²: 32 m
	Scenario S2 / 3	Release of LPG in the liquid phase by random rupture Plant unit 38, storage tanks	Pool Fire 6.35 mm D5	RAD 37.5 kW / m²: 12 m RAD 12.5 kW / m²: 13 m RAD 7 kW / m²: 14 m RAD 5 kW / m²: 15 m RAD 3 kW / m²: 15 m
			Pool Fire 25.4 mm D5	RAD 37.5 kW / m²: 28 m RAD 12.5 kW / m²: 37 m RAD 7 kW / m²: 41 m RAD 5 kW / m²: 44 m RAD 3 kW / m²: 48 m
			Pool Fire 101.6 mm - full D5	RAD 37.5 kW / m²: 32 m RAD 12.5 kW / m²: 42 m RAD 7 kW / m²: 46 m RAD 5 kW / m²: 49 m RAD 3 kW / m²: 53 m
			Jet Fire 6.35 mm D5	RAD 37.5 kW / m²: 7 m RAD 12.5 kW / m²: 11 m RAD 7 kW / m²: 14 m RAD 5 kW / m²: 16 m RAD 3 kW / m²: 19 m
			Jet Fire 25.4 mm D5	RAD 37.5 kW / m²: 26 m RAD 12.5 kW / m²: 40 m RAD 7 kW / m²: 50 m RAD 5 kW / m²: 57 m RAD 3 kW / m²: 70 m
			Jet Fire 101.6 mm - full bore F2	RAD 37.5 kW / m²: 54 m RAD 12.5 kW / m²: 65 m RAD 7 kW / m²: 72 m RAD 5 kW / m²: 78 m RAD 3 kW / m²: 88 m

The cartographic representation of the damage areas inside and outside the plant is reproduced in attachment LD9

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<b>DESCRIPTION OF ACCIDENTAL SCENARIOS</b>	
<b>TYPE OF EMERGENCY</b> Product release from pressurized equipment in gas / vapor phase with delayed ignition and flash fire. Product release from pressurized equipment in gas / vapor phase with delayed ignition and explosion (VCE-UVCE). Product release from equipment under pressure in the gas / vapor phase with ignition and jet fire. Release of product from pressurized equipment in liquid phase with formation of polls, ignition, and fire (pool fire).	
<b>SUBSTANCE INVOLVED</b> FLAMMABLE GAS / LPG	
<b>LOCATION:</b> U38 EQUIPMENT	<b>CAUSE:</b> Accidental release without priming or with delayed ignition. Accidental release and immediate ignition.
<b>CONSEQUENCES</b>	
<b>IMMEDIATE:</b> Dispersion of flammable substances  Jet set on fire	<b>MORE:</b> High lethality for people presents in the flammable cloud in case of delayed ignition In case of non-interception gas accumulation and possible UVCE / VCE Fire spread, radiation and consequent possible involvement of close equipment.
<b>DEVICES FOR PREVENTION, PROTECTION, MITIGATION</b>	
<b>FIRE FIGHTING SYSTEMS AND EQUIPMENT (IT-TPR-40-EPC1-168300)</b> <ul style="list-style-type: none"> <li>• Fixed deluge system to protect the following equipment (MANIFOLDS DM-A and DM-B):</li> <li>• 40-PA-3901A / B / C / D</li> <li>• 40-KB-3901</li> <li>• 40-VZ-4901</li> <li>• 40-VP-3801</li> <li>• 40-JF-3901 A / B / C</li> <li>• 40-UN-3901 A / B / C</li> </ul> To protect the area where unit 38 is located there are: 4 monitors, 1 hydrant, 4 powder fire extinguishers (12 kg) and 1 wheeled powder fire extinguishers (50 kg)	
<b>DETECTION SYSTEMS (IT-TPR-30-EPC1-167301, IT-TPR-30-EPC1-167300)</b> <ul style="list-style-type: none"> <li>• Flame detectors: n ° 3.</li> <li>• Flammable gas detectors (propane): n ° 6.</li> <li>• Thermosensitive cable: n ° 4.</li> <li>• Fusible plugs.</li> </ul>	
<b>CONTROL ROOM REFLEX SHEETS</b> <ul style="list-style-type: none"> <li>• IT – TPR – EP – EXT – 200002: LPG pipe from oil centre battery limit (30 ESDV38002) to LPGC battery limit (40ESDV38006).</li> <li>• IT-TPR-LG-EXT-200006: LPG Centre Fire reflex sheet.</li> </ul>	
<b>MEANS OF PROTECTION:</b> <ul style="list-style-type: none"> <li>• Use the Personal and Collective Protective Equipment as per procedure</li> </ul>	<b>EXTINGUISHING AGENT:</b> <ul style="list-style-type: none"> <li>• Water.</li> <li>• Foam (high expansion - impounding basins).</li> <li>• Dust.</li> </ul>
<b>FIRST AID MEASURES:</b> <ul style="list-style-type: none"> <li>• <b>Eyes:</b> Wash with running water for at least 15 minutes. Call the doctor and transfer the subject to the emergency room.</li> <li>• <b>Skin:</b> Remove contaminated clothes and rinse for 15 minutes, rinse with mild soap. In case of burns, wet with cold water or sterile solution for a long time and then protect with gauze.</li> <li>• <b>Inhalations:</b> Take the subject to an open and ventilated place. Carry out oxygen therapy, if not breathing, give artificial respiration (no mouth to mouth). Place it in a safe position.</li> <li>• <b>Ingestion:</b> Rinse your mouth without swallowing. Drink water and do not induce vomiting.</li> </ul>	
<b>IN CASE OF LOSS OF LPG FROM THE BOTTOM LINE OF STORAGE TANKS</b>	
<b>FOOT VALVE CLOSURE - 40-FSV-38005 A / B</b>	



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SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO

UNIT 38

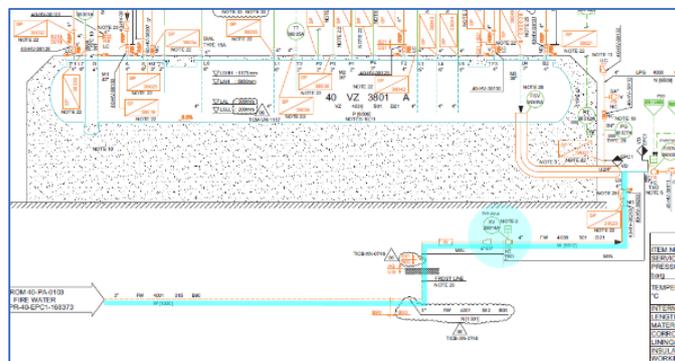
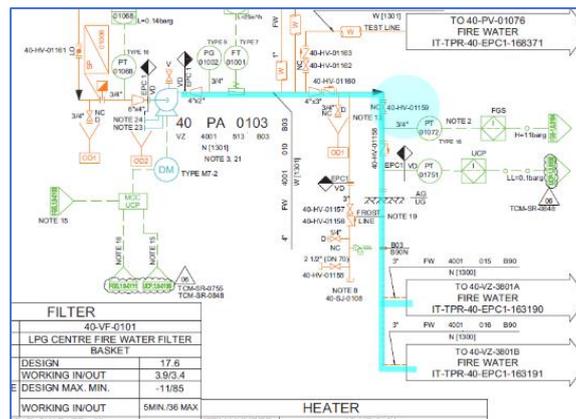
On the LPG storage tanks there is an FSV-38005A / B emergency rapid shut-off valve (flame arrestor) which isolates the outlet in the event of a break in the outlet pipe and consequent fire. If there is a fire in the immediate vicinity of the manifold exiting the two vessels 40-VZ-3801A / B, a special fuse plug on a pilot circuit activates the 40-UZ-3801 hydraulic power unit which immediately commands the valve to close.

**INJECTION OF WATER INTO THE BOTTOM OF THE TANK**

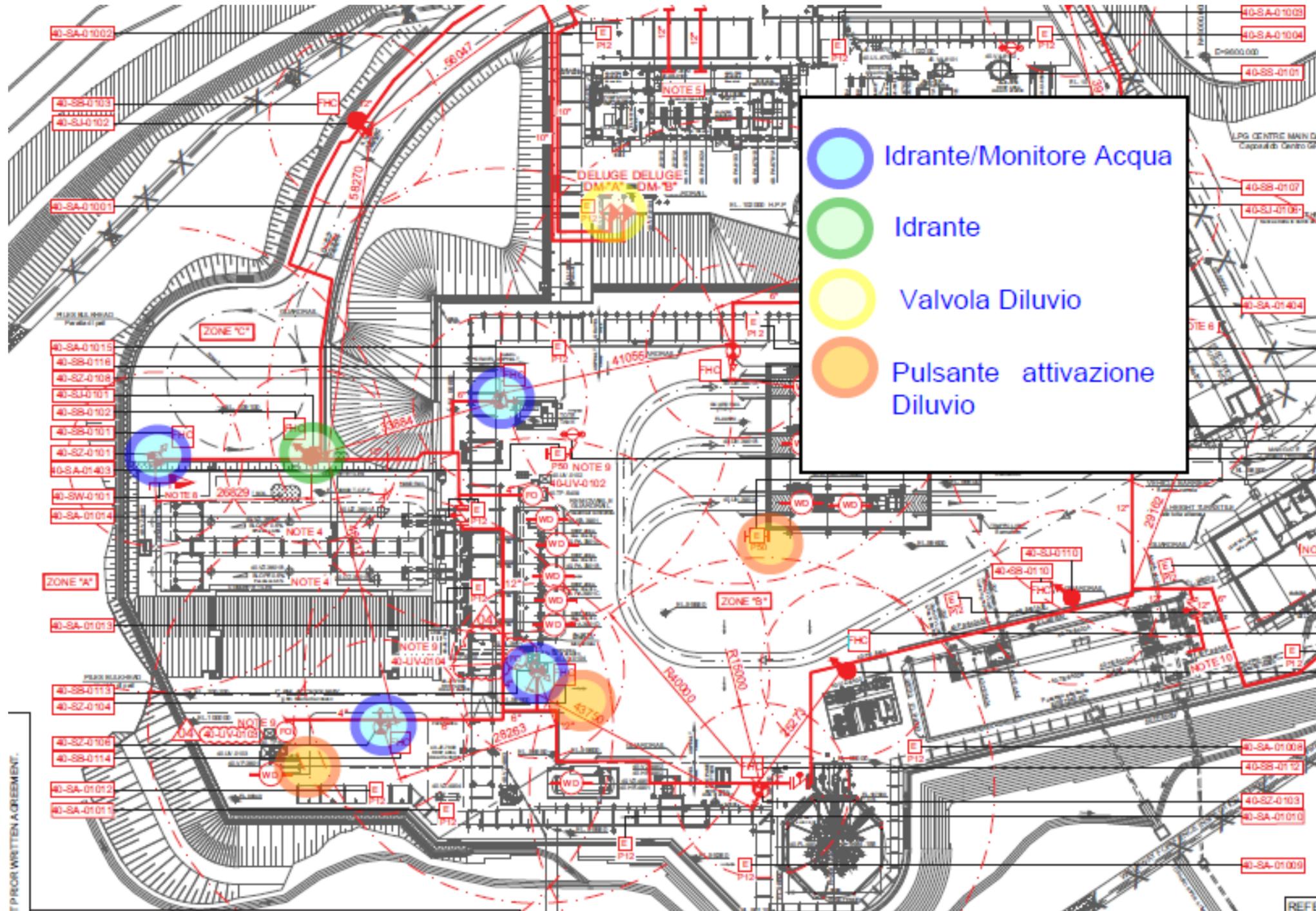
The 40-PA-0103 electric pump (see description in RE2) is installed for the emergency filling of the LPG storage tanks with water: in suction it is connected to the fire-fighting water reserve, in delivery it can send water inside both LPG storage tanks through special valve connections arranged on the liquid phase sampling pipes.

Through the 40-PA-0103 fire-fighting water injection pump, the water is discharged through a dedicated line directly into the LPG storage tanks 40-VZ3801 A / B. The goal is to move the LPG in case of leaks from the bottom lines, upstream of the isolation valve 40-ESDV-38005 A / B, thus reducing the spilled inventory of LPG (according to Dm 13/10/1994).

The water supply must be carried out carefully by opening the manual valve 40-HV-01159 (in the pump room) and the remote opening valve (Control room) 40-XV-38014 A / B (located near the tank), according to the following scheme:



FIRE FIGHTING SYSTEMS AND EQUIPMENT (IT-TPR-40-EPC1-168300)





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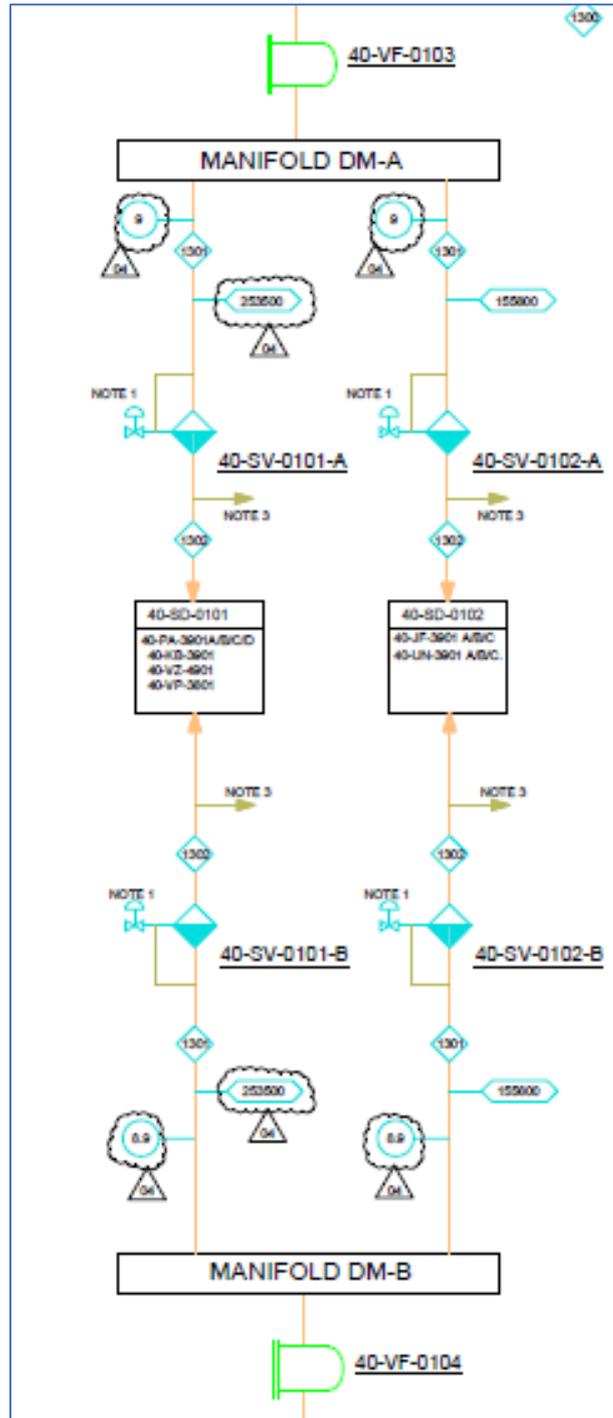
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SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO

UNIT 38

IT-TPR-40-EPC1-169381 LPG CENTER - PROCESS FLOW DIAGRAM FOR UNIT 01-DELUGE SYSTEM MANIFOLDS AB





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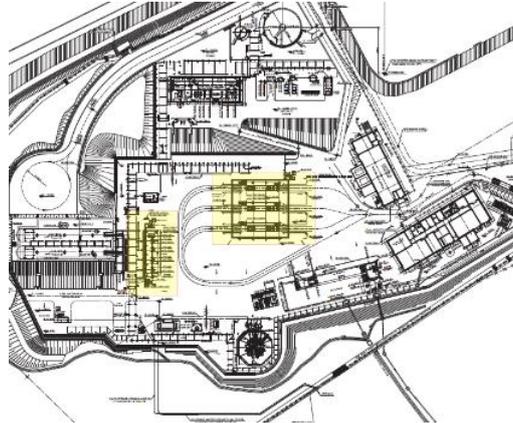
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SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO

UNIT 39

UNIT 39



Risk Analysis	Worst case		Damage scenario	Distances of the damage scenario (worst case)
	Scenario reference	Scenario description		
TRA TotalEnergies	IS_LPG_004-01L_LRG_ISFF IS_LPG_004-01L_LRG_UNFF	Loss of containment - Gas release - LOADING MODE: LPG from LPG storage vessel (40-VZ-3801 B) to LPG loading pumps 40-PA-3901A / B / C / D - LARGE leak	Flash Fire Unisolated and Isolated release 250 mm	RAD LFL: 495 m
	IS_LPG_004-01L_LRG_ISJF IS_LPG_004-01L_LRG_UNJF	Loss of containment - Gas release - LOADING MODE: LPG from LPG storage vessel (40-VZ-3801 B) to LPG loading pumps 40-PA-3901A / B / C / D - LARGE leak	Jet Fire Isolated and Unisolated release 250 mm	RAD 37.5 kW / m <sup>2</sup> : 265 m RAD 5 kW / m <sup>2</sup> : 400 m RAD 3 kW / m <sup>2</sup> : 465 m
	IS_LPG_004-01L_LRG_ISEX IS_LPG_004-01L_LRG_UNEX	Loss of containment - Gas release - LOADING MODE: LPG from LPG storage vessel (40-VZ-3801 B) to LPG loading pumps 40-PA-3901A / B / C / D - LARGE leak	Explosion Isolated and Unisolated release 250 mm	BLAST 50 mbar: 175 m BLAST 140 mbar: 70 m BLAST 350 mbar: 25 m
	IS_LPG_012-01L_LRG_ISFF IS_LPG_012-01L_LRG_UNFF	Loss of containment - Gas release - LOADING MODE: LPG in LPG truck loading arm (40-JF-3901 C) - LARGE leak	Flash Fire Unisolated and Isolated release 250 mm	RAD LFL: 495 m
	IS_LPG_012-01L_LRG_ISJF IS_LPG_012-01L_LRG_UNJF	Loss of containment - Gas release - LOADING MODE: LPG in LPG truck loading arm (40-JF-3901 C) - LARGE leak	Jet Fire Isolated and Unisolated release 250 mm	RAD 37.5 kW / m <sup>2</sup> : 165 m RAD 5 kW / m <sup>2</sup> : 255 m RAD 3 kW / m <sup>2</sup> : 300 m
	IS_LPG_012-01L_LRG_ISEX IS_LPG_012-01L_LRG_UNEX	Loss of containment - Gas release - LOADING MODE:	Explosion	BLAST 50 mbar: 15 m BLAST 140 mbar: 10 m BLAST 350 mbar: 5 m



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<b>SR6</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO</b>	<b>UNIT 39</b>
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		LPG in LPG truck loading arm (40-JF-3901 C) - LARGE leak	Isolated and Unisolated release 250 mm	
Seveso RdS - LPGC	Scenario S4	Release of LPG in the liquid phase by random rupture Plant unit 39, pumping area	Pool Fire 6.35 mm D5	RAD 37.5 kW / m <sup>2</sup> : 13 m RAD 12.5 kW / m <sup>2</sup> : 15 m RAD 7 kW / m <sup>2</sup> : 16 m RAD 5 kW / m <sup>2</sup> : 16 m RAD 3 kW / m <sup>2</sup> : 17 m
			Pool Fire 25.4 mm - full bore D5	RAD 37.5 kW / m <sup>2</sup> : 32 m RAD 12.5 kW / m <sup>2</sup> : 42 m RAD 7 kW / m <sup>2</sup> : 46 m RAD 5 kW / m <sup>2</sup> : 59 m RAD 3 kW / m <sup>2</sup> : 53 m
			Jet Fire 6.35 mm F2	RAD 37.5 kW / m <sup>2</sup> : 16 m RAD 12.5 kW / m <sup>2</sup> : 19 m RAD 7 kW / m <sup>2</sup> : 21 m RAD 5 kW / m <sup>2</sup> : 22 m RAD 3 kW / m <sup>2</sup> : 25 m
			Jet Fire 25.4 mm F2	RAD 37.5 kW / m <sup>2</sup> : 55 m RAD 12.5 kW / m <sup>2</sup> : 66 m RAD 7 kW / m <sup>2</sup> : 73 m RAD 5 kW / m <sup>2</sup> : 79 m RAD 3 kW / m <sup>2</sup> : 89 m
	Scenario S5	Release of LPG in the liquid phase by random rupture Plant unit 39, loading arms	Pool Fire 6.35 mm D5	RAD 37.5 kW / m <sup>2</sup> : 13 m RAD 12.5 kW / m <sup>2</sup> : 14 m RAD 7 kW / m <sup>2</sup> : 15 m RAD 5 kW / m <sup>2</sup> : 16 m RAD 3 kW / m <sup>2</sup> : 17 m
			Pool Fire 25.4 mm D5	RAD 37.5 kW / m <sup>2</sup> : 26 m RAD 12.5 kW / m <sup>2</sup> : 32 m RAD 7 kW / m <sup>2</sup> : 34 m RAD 5 kW / m <sup>2</sup> : 36 m RAD 3 kW / m <sup>2</sup> : 38 m
			Jet Fire 6.35 mm F2	RAD 37.5 kW / m <sup>2</sup> : 15 m RAD 12.5 kW / m <sup>2</sup> : 18 m RAD 7 kW / m <sup>2</sup> : 20 m RAD 5 kW / m <sup>2</sup> : 21 m RAD 3 kW / m <sup>2</sup> : 24 m
			Jet Fire 25.4 mm F2	RAD 37.5 kW / m <sup>2</sup> : 53 m RAD 12.5 kW / m <sup>2</sup> : 63 m RAD 7 kW / m <sup>2</sup> : 71 m RAD 5 kW / m <sup>2</sup> : 76 m RAD 3 kW / m <sup>2</sup> : 86 m
	Scenario S6	Release of LPG in the vapor phase due to random rupture Plant unit 39, from tanks to loading arms	Flash Fire 6.35 mm F2	RAD LFL: 10 m RAD ½ LFL: 25 m
			Jet Fire 6.35 mm D5	RAD 37.5 kW / m <sup>2</sup> : snr RAD 12.5 kW / m <sup>2</sup> : snr RAD 7 kW / m <sup>2</sup> : snr RAD 5 kW / m <sup>2</sup> : 6 m RAD 3 kW / m <sup>2</sup> : 6 m
			Jet Fire 25.4 mm F2	RAD 37.5 kW / m <sup>2</sup> : 17 m RAD 12.5 kW / m <sup>2</sup> : 21 m RAD 7 kW / m <sup>2</sup> : 23 m RAD 5 kW / m <sup>2</sup> : 24 m RAD 3 kW / m <sup>2</sup> : 26 m
	Scenario H9	Release of LPG in vapor phase due to loss from compressor flanges	Jet Fire 20 mm D5	RAD 37.5 kW / m <sup>2</sup> : snr RAD 12.5 kW / m <sup>2</sup> : 17 m RAD 7 kW / m <sup>2</sup> : 18 m RAD 5 kW / m <sup>2</sup> : 19 m RAD 3 kW / m <sup>2</sup> : 21 m

The cartographic representation of the damage areas inside and outside the plant is reproduced in attachment LD9

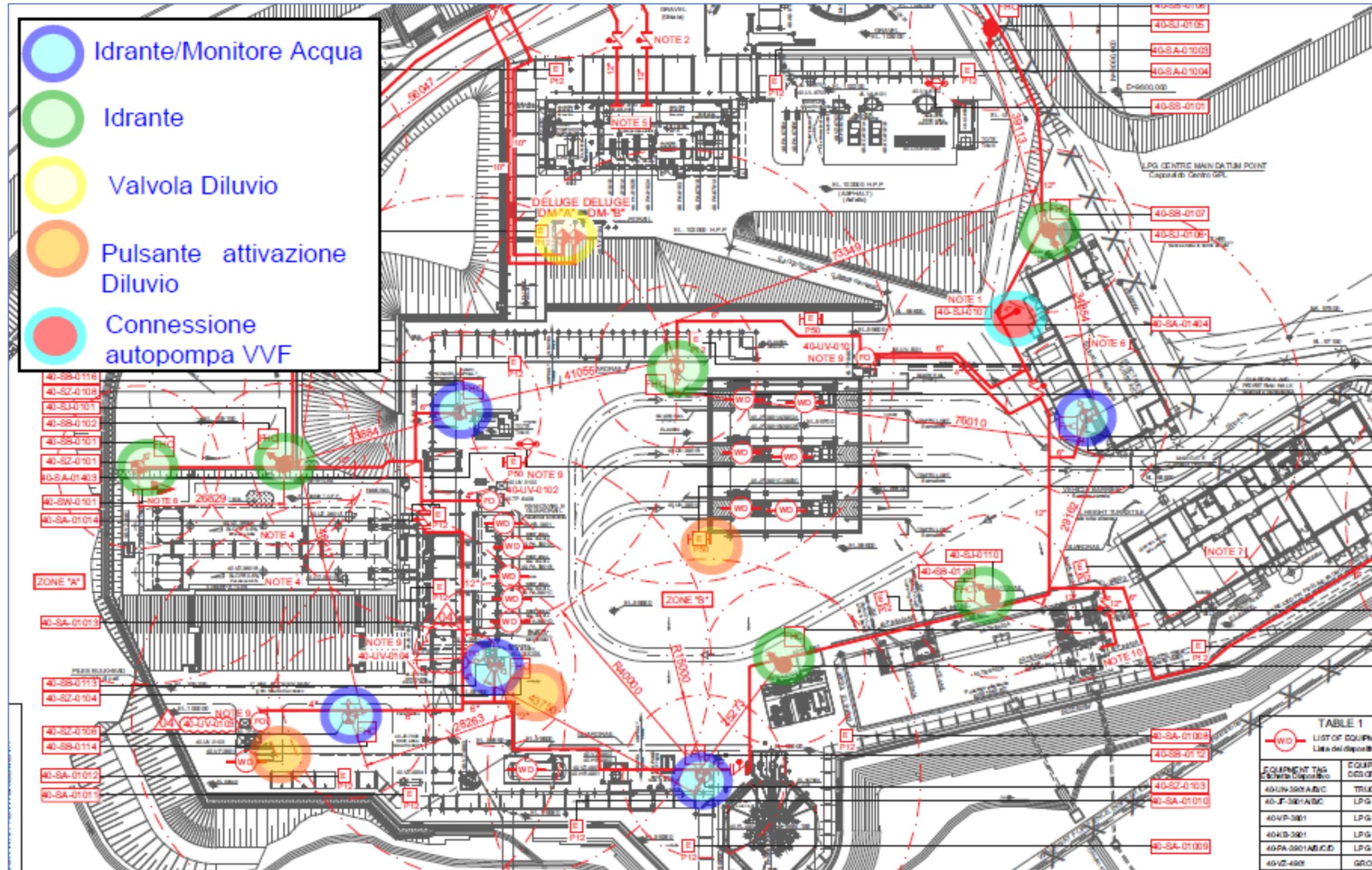
DESCRIPTION OF ACCIDENTAL SCENARIOS

 <b>TotalEnergies</b> TotalEnergies EP Italia	<b>Company Management System</b>			
	<b>INTERNAL EMERGENCY RESPONSE PLAN – TEMPORA ROSSA LPG CENTRE</b>			
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<b>SR6</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO</b>	<b>UNIT 39</b>
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<b>TYPE OF EMERGENCY</b> Product release from pressurized equipment in gas / vapor phase with delayed ignition and flash fire. Product release from pressurized equipment in gas / vapor phase with delayed ignition and explosion (VCE-UVCE). Product release from equipment under pressure in the gas / vapor phase with ignition and jet fire. Release of product from pressurized equipment in liquid phase with formation of pools, ignition and fire (pool fire).	
<b>SUBSTANCE INVOLVED</b> FLAMMABLE GAS / LPG	
<b>LOCATION:</b> U39 EQUIPMENT	<b>CAUSE:</b> Accidental release without priming or with delayed ignition. Accidental release and immediate trigger.
<b>CONSEQUENCES</b>	
<b>IMMEDIATE:</b> Dispersion of flammable substances  Jet set on fire	<b>MORE:</b> High lethality for people presents in the flammable cloud in case of delayed ignition. In case of non-interception gas accumulation and possible UVCE / VCE. Fire spread, radiation and consequent possible involvement of close equipment.
<b>DEVICES FOR PREVENTION, PROTECTION, MITIGATION</b>	
<b>FIRE FIGHTING SYSTEMS AND EQUIPMENT (IT-TPR-40-EPC1-168300)</b> <ul style="list-style-type: none"> <li>• Fixed deluge system to protect the following equipment (MANIFOLDS DM-A and DM-B):</li> <li>• 40-PA-3901A / B / C / D</li> <li>• 40-KB-3901</li> <li>• 40-VZ-4901</li> <li>• 40-VP-3801</li> <li>• 40-JF-3901 A / B / C</li> <li>• 40-UN-3901 A / B / C</li> </ul> To protect the area where unit 39 is located there are: 5 monitors/6 hydrants, 9 powder fire extinguishers (12 kg) and 3 wheeled powder fire extinguishers (50 kg).	
<b>DETECTION SYSTEMS (IT-TPR-30-EPC1-167301, IT-TPR-30-EPC1-167300)</b> <ul style="list-style-type: none"> <li>• Flame detectors: n ° 7.</li> <li>• Flammable gas detectors (propane): n ° 12.</li> <li>• Thermosensitive cables: n ° 4.</li> <li>• Fusible plugs.</li> </ul>	
<b>CONTROL ROOM REFLEX SHEETS</b> <ul style="list-style-type: none"> <li>• IT – TPR – EP – EXT – 200002: LPG pipe from OC battery limit (30 ESDV38002) to LPGC battery limit (40ESDV38006)</li> <li>• IT-TPR-LG-EXT-200006: LPGC Fire reflex sheet.</li> </ul>	
<b>MEANS OF PROTECTION:</b> <ul style="list-style-type: none"> <li>• Use the Personal and Collective Protective Equipment as per procedure</li> </ul>	<b>EXTINGUISHING AGENT:</b> <ul style="list-style-type: none"> <li>• Water.</li> <li>• Foam (high expansion - impounding basins).</li> <li>• Dust</li> </ul>
<b>FIRST AID MEASURES:</b> <b>Eyes:</b> Wash with running water for at least 15 minutes. Call the doctor and transfer the subject to the emergency room. <b>Skin:</b> Remove contaminated clothes and rinse for 15 minutes, rinse with mild soap. In case of burns, wet with cold water or sterile solution for a long time and then protect with gauze. <b>Inhalations:</b> Take the subject to an open and ventilated place. Carry out oxygen therapy, if not breathing, give artificial respiration (no mouth to mouth). Place it in a safe position. <b>Ingestion:</b> Rinse your mouth without swallowing. Drink water and do not induce vomiting.	

FIRE FIGHTING SYSTEMS AND EQUIPMENT (IT-TPR-40-EPC1-168300)





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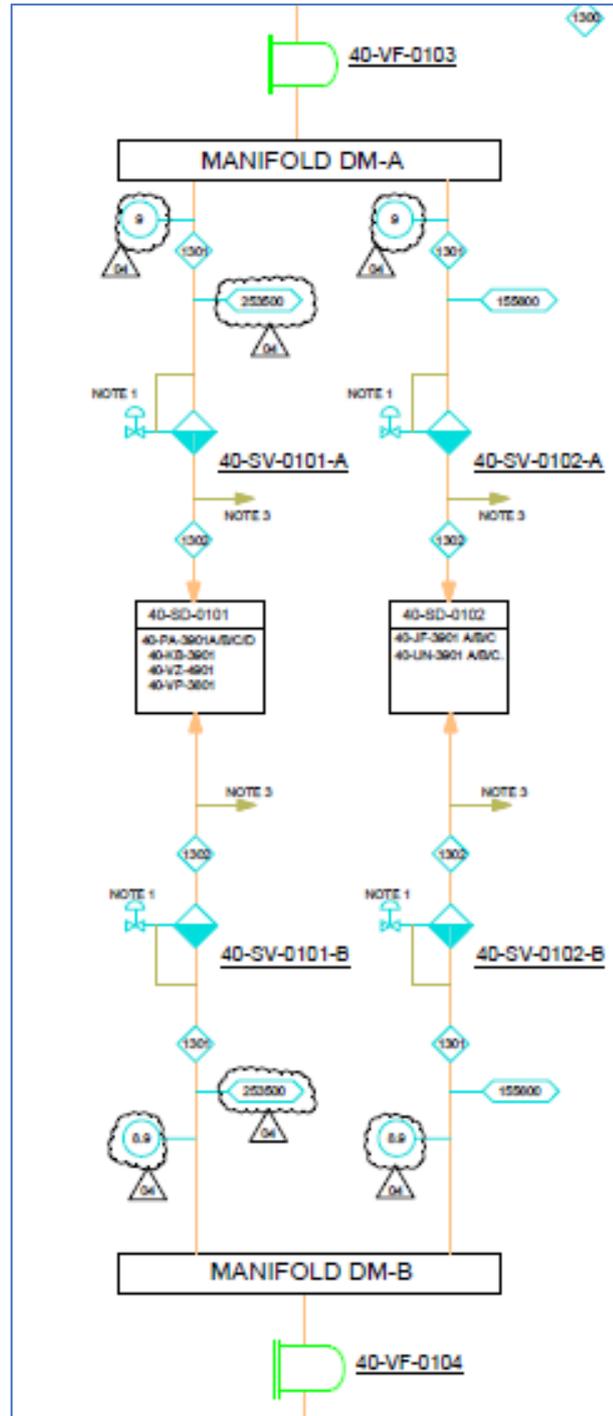
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SPECIFIC SCENARIOS AND  
EMERGENCY PROCEDURES

INDUSTRIAL ACCIDENT  
TOP MAJOR ACCIDENTAL SCENARIO

UNIT 39

IT-TPR-40-EPC1-169381 LPG CENTER - PROCESS FLOW DIAGRAM FOR UNIT 01-DELUGE SYSTEM  
MANIFOLDS AB





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SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

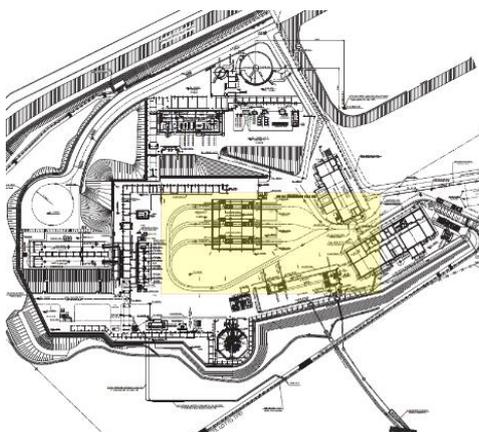
INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO

LPG TRUCKS

## LPG TRUCKS

The trucks are loaded with LPG at the loading bays. The empty trucks access the loading bay from the north side. As a result, once the loading is complete, the trucks after loading and full of LPG will exit from site in direction to the main gate without any manoeuvring inside the depot.

The accidental scenario is considered during the loading operations using loading arms.



Risk Analysis	Worst case		Damage scenario	Distances of the damage scenario (worst case)
	Scenario reference	Scenario description		
TRA TotalEnergies	IS_LPG_012-01L_LRG_ISFF IS_LPG_012-01L_LRG_UNFF	Loss of containment - Gas release - LOADING MODE: LPG in LPG truck loading arm (40-JF-3901 C) - LARGE leak	Flash Fire Unisolated and Isolated release 250 mm	RAD LFL: 495 m
	IS_LPG_012-01L_LRG_ISJF IS_LPG_012-01L_LRG_UNJF	Loss of containment - Gas release - LOADING MODE: LPG in LPG truck loading arm (40-JF-3901 C) - LARGE leak	Jet Fire Isolated and Unisolated release 250 mm	RAD 37.5 kW / m <sup>2</sup> : 165 m RAD 5 kW / m <sup>2</sup> : 255 m RAD 3 kW / m <sup>2</sup> : 300 m
	IS_LPG_012-01L_LRG_ISEX IS_LPG_012-01L_LRG_UNEX	Loss of containment - Gas release - LOADING MODE: LPG in LPG truck loading arm (40-JF-3901 C) - LARGE leak	Explosion Isolated and Unisolated release 250 mm	BLAST 50 mbar: 15 m BLAST 140 mbar: 10 m BLAST 350 mbar: 5 m
	IS_LPG_008-01L_BL IS_LPG_011-01L_BL From PRA - Probability << 10 <sup>-6</sup>	BLEVE - LOADING MODE: LPG in truck A / B / C	Fire Ball	RAD 37.5 kW / m <sup>2</sup> : 0 m RAD 5 kW / m <sup>2</sup> : 170 m RAD 3 kW / m <sup>2</sup> : 210 m
Seveso RdS - LPGC	Scenario H5b	Liquid phase LPG release for overpressure of the single tanker	Pool Fire 15 mm D5	RAD 37.5 kW / m <sup>2</sup> : 14 m RAD 12.5 kW / m <sup>2</sup> : 27 m RAD 7 kW / m <sup>2</sup> : 33 m RAD 5 kW / m <sup>2</sup> : 38 m RAD 3 kW / m <sup>2</sup> : 45 m
			Jet Fire 15 mm F2	RAD 37.5 kW / m <sup>2</sup> : 19 m RAD 12.5 kW / m <sup>2</sup> : 23 m RAD 7 kW / m <sup>2</sup> : 29 m RAD 5 kW / m <sup>2</sup> : 34 m RAD 3 kW / m <sup>2</sup> : 44 m
	Scenario S5	Release of LPG in the liquid phase by random rupture Plant unit 39, loading arms	Pool Fire 6.35 mm D5	RAD 37.5 kW / m <sup>2</sup> : 13 m RAD 12.5 kW / m <sup>2</sup> : 14 m RAD 7 kW / m <sup>2</sup> : 15 m RAD 5 kW / m <sup>2</sup> : 16 m RAD 3 kW / m <sup>2</sup> : 17 m



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INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO

LPG TRUCKS

			Pool Fire 25.4 mm D5	RAD 37.5 kW / m <sup>2</sup> : 26 m RAD 12.5 kW / m <sup>2</sup> : 32 m RAD 7 kW / m <sup>2</sup> : 34 m RAD 5 kW / m <sup>2</sup> : 36 m RAD 3 kW / m <sup>2</sup> : 38 m
			Jet Fire 6.35 mm F2	RAD 37.5 kW / m <sup>2</sup> : 15 m RAD 12.5 kW / m <sup>2</sup> : 18 m RAD 7 kW / m <sup>2</sup> : 20 m RAD 5 kW / m <sup>2</sup> : 21 m RAD 3 kW / m <sup>2</sup> : 24 m
			Jet Fire 25.4 mm F2	RAD 37.5 kW / m <sup>2</sup> : 53 m RAD 12.5 kW / m <sup>2</sup> : 63 m RAD 7 kW / m <sup>2</sup> : 71 m RAD 5 kW / m <sup>2</sup> : 76 m RAD 3 kW / m <sup>2</sup> : 86 m
	Scenario S6	Release of LPG in the vapor phase due to random rupture Plant unit 39, from tanks to loading arms	Flash Fire 6.35 mm F2	RAD LFL: 10 m RAD ½ LFL: 25 m
			Jet Fire 6.35 mm D5	RAD 37.5 kW / m <sup>2</sup> : snr RAD 12.5 kW / m <sup>2</sup> : snr RAD 7 kW / m <sup>2</sup> : snr RAD 5 kW / m <sup>2</sup> : 6 m RAD 3 kW / m <sup>2</sup> : 6 m

The cartographic representation of the damage areas inside and outside the plant is reproduced in attachment LD9



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**Company Management System**

**INTERNAL EMERGENCY RESPONSE PLAN – TEMPA ROSSA LPG CENTRE**

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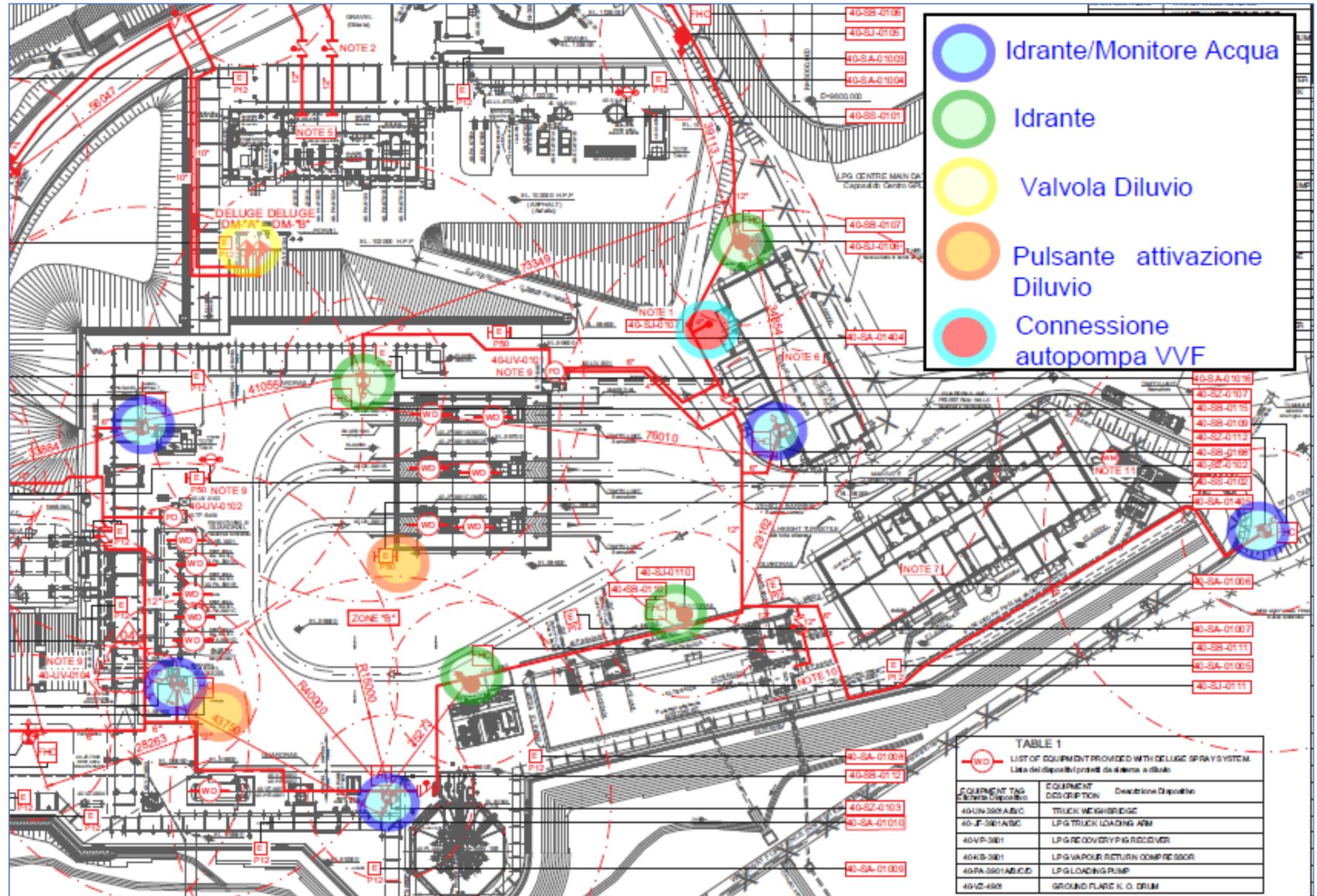
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<b>SR6</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO</b>	<b>LPG TRUCKS</b>
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DESCRIPTION OF ACCIDENTAL SCENARIOS	
<p><b>TYPE OF EMERGENCY</b></p> <p>Product release from tanker in gas / vapor phase with delayed ignition and flash fire            Product release from tanker in gas / vapor phase with delayed ignition and explosion (VCE-UVCE)            Product release from tanker in gas / vapor phase with ignition and jet fire            Release of product from tanker in liquid phase with formation of pool, ignition and fire (pool fire)</p>	
<p><b>SUBSTANCE INVOLVED</b></p> <p>FLAMMABLE GAS / LPG</p>	
<p><b>LOCATION:</b></p> <p>LPG tankers</p>	<p><b>CAUSE:</b></p> <p>Accidental release without priming or with delayed ignition.            Accidental release and immediate trigger</p>
CONSEQUENCES	
<p><b>IMMEDIATE:</b></p> <p>Dispersion of flammable substances</p> <p>Jet fire</p>	<p><b>MORE:</b></p> <p>High lethality for people present in the flammable cloud in case of delayed ignition.            In case of non-interception gas accumulation and possible UVCE / VCE.            Fire spread, radiation and consequent possible involvement of close equipment.</p>
DEVICES FOR PREVENTION, PROTECTION, MITIGATION	
<p><b>FIRE FIGHTING SYSTEMS AND EQUIPMENT (IT-TPR-40-EPC1-168300)</b></p> <ul style="list-style-type: none"> <li>• Fixed deluge system to protect the following equipment (MANIFOLDS DM-A and DM-B):</li> <li>• 40-PA-3901A / B / C / D</li> <li>• 40-KB-3901</li> <li>• 40-VZ-4901</li> <li>• 40-VP-3801</li> <li>• 40-JF-3901 A / B / C</li> <li>• 40-UN-3901 A / B / C</li> </ul> <p>To protect the area there are:            5 monitors / 4 hydrants, 9 powder fire extinguishers (12 kg) and 3 wheeled powder fire extinguishers (50 kg)</p>	
<p><b>DETECTION SYSTEMS (IT-TPR-30-EPC1-167301, IT-TPR-30-EPC1-167300)</b></p> <ul style="list-style-type: none"> <li>• Flame detectors: n ° 4.</li> <li>• Flammable gas detectors (propane): n ° 5.</li> <li>• Thermosensitive cables: n ° 2.</li> <li>• Fusible plugs.</li> </ul>	
<p><b>CONTROL ROOM REFLEX SHEETS</b></p> <ul style="list-style-type: none"> <li>• IT – TPR – EP – EXT – 200002: LPG pipe from OC battery limit (30 ESDV38002) to LPGC battery limit (40ESDV38006)</li> <li>• IT-TPR-LG-EXT-200006: LPG Centre Fire reflex sheet</li> </ul>	
<p><b>MEANS OF PROTECTION:</b></p> <ul style="list-style-type: none"> <li>• Use the Personal and Collective Protective Equipment as per procedure</li> </ul>	<p><b>EXTINGUISHING AGENT:</b></p> <ul style="list-style-type: none"> <li>• Water.</li> <li>• Foam (high expansion - impounding basins).</li> <li>• Dust.</li> </ul>
<p><b>FIRST AID MEASURES:</b></p> <p><b>Eyes:</b>Wash with running water for at least 15 minutes. Call the doctor and transfer the subject to the emergency room.</p> <p><b>Skin:</b> Remove contaminated clothes and rinse for 15 minutes, rinse with mild soap. In case of burns, wet with cold water or sterile solution for a long time and then protect with gauze.</p> <p><b>Inhalations:</b> Take the subject to an open and ventilated place. Carry out oxygen therapy, if not breathing, give artificial respiration (no mouth to mouth). Place it in a safe position.</p> <p><b>Ingestion:</b> Rinse your mouth without swallowing. Drink water and do not induce vomiting.</p>	

<b>SR6</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO</b>	<b>LPG TRUCKS</b>
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FIRE FIGHTING SYSTEMS AND EQUIPMENT (IT-TPR-40-EPC1-168300)





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### Company Management System

### INTERNAL EMERGENCY RESPONSE PLAN – TEMPORA ROSSA LPG CENTRE

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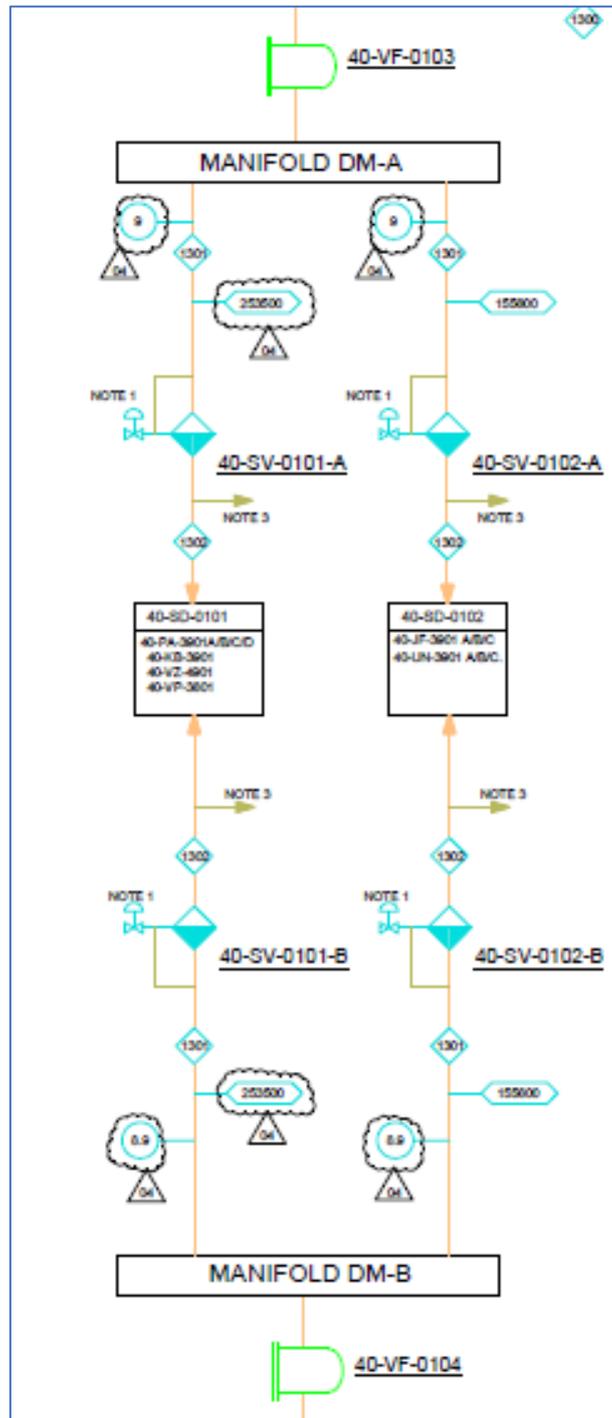
SR6

SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

INDUSTRIAL ACCIDENT TOP MAJOR ACCIDENTAL SCENARIO

LPG TRUCKS

IT-TPR-40-EPC1-169381 LPG CENTER - PROCESS FLOW DIAGRAM FOR UNIT 01-DELUGE SYSTEM MANIFOLDS AB



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<b>SR7</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>ACCIDENT WITH SERIOUS INJURY - DEATH</b>
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## SR7 - ACCIDENT WITH SERIOUS INJURY / DEATH

### NATURE OF THE ACCIDENT

The accidents that can potentially lead to an accident with serious injury or death are:

- ▶ fire, explosion, acute intoxication.
- ▶ Transport accident.
- ▶ Any other serious injury linked to an activity on site.

Possible unfavorable developments:

- ▶ aggravation of injury.
- ▶ Contamination, contagion.
- ▶ Death.

in case of activation of a medical evacuation (MEDEVAC), refer to the following procedure: **3-PR-QHSE-019 - SITE MEDICAL ASSISTANCE AND EMERGENCY MEDICAL SERVICE (MEDEVAC)**.

### SERIOUS WORK ACCIDENT - SUMMARY OF ESSENTIAL ACTIONS

#### **ACP crisis cell actions:**

- alert the RSES/RSES-D LPGC and mobilize the medical team/First Intervention Team and first aid vehicles.
- At the doctor's decision, alert the emergency services (118) - use the MEDEVAC procedure.
- Pending the arrival of help, make the balance of injured/deads.
- Inform the ICP Director.

#### **ICP crisis cell actions:**

- Collect additional information from the RSES as appropriate, from the doctor on the site:
  - circumstance of the accident;
  - number of people injured;
  - additional means required.
- Display the main information on one or more billboards posted on the wall or on a screen (chronogram, monitoring of vehicles, victims, etc.).
- Contact the mayor (s) concerned (the municipality to which the victim belongs and from the municipality of Guardia Perticara).
- Evaluate and organize the most appropriate response to the situation.
- inform the CMC Director.

#### **CMC crisis cell actions:**

- Complete the communication with the authorities with respect to what has already been communicated by the ICP crisis cell.
- Accompany the victims' families to hospitals.
- Manage communication with the family members of the injured party (s).
- Manage communication with local media.
- Inform partners.

### DEATH IN THE WORKPLACE - SUMMARY OF ESSENTIAL ACTIONS

#### **ACP crisis cell actions:**

- alert the RSES / RSES-D LPGC and mobilize the Medical Team/First Intervention Team and first aid vehicles.
- Isolate the scene of the death and prohibit access.
- Do not eliminate material elements useful for any investigation.

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<b>SR7</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>ACCIDENT WITH SERIOUS INJURY - DEATH</b>
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- Inform any witnesses to remain at the disposal of the judicial authorities.
- Stop all activities in progress and secure installations.
- inform the ICP Director;

**ICP crisis cell actions:**

- collect additional information from the RSES as appropriate, from the doctor on the site:
  - circumstance of the accident;
  - number of people injured;
  - additional means required.
- Contact the Carabinieri and the mayor (mayors) concerned (the Municipality to which the victim belongs and from the Municipality of Guardia Perticara).
- Evaluate and organize the most appropriate response to the situation.
- Accompany the victims' families to hospitals.
- Manage communication with family members of the victim (s).
- inform the CMC Director;

**CMC crisis cell actions:**

- Complete the communication with the authorities with respect to what has already been communicated by the ICP cell.
- Evaluate and organize the most appropriate response to the situation.
- Accompany the victims' families to hospitals.
- Manage communication with local media.
- Securing information with the group's HQ.
- Inform partners.

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<b>SR8</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>TERRORIST THREAT</b>
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## SR8 - TERRORIST THREAT

### NATURE OF THE ACCIDENT

The incidents that can potentially constitute a terrorist threat are:

- ▶ telephone terrorist threat, with written or recorded message.
- ▶ discovery of a suspicious package.

Possible unfavorable developments:

- ▶ explosion, fire of the installations due to the domino effect.

**Emergency management in the event of a terrorist threat will also be carried out in accordance with the Site Security Plan (2-PLA-SUR-001).**

### TERRORIST THREAT - SUMMARY OF ESSENTIAL ACTIONS

#### **ACP crisis cell actions - upon receipt of a terrorist threat at the GPL Centre:**

- inform the ICP Director.
- Inform the Security service and alert the police (Carabinieri).
- If requested by IC, activate the General alarm.
- If requested by IC, secure the plants.
- If requested by IC, evacuate non-essential personnel.
- Provide logistical support for the intervention of the police.

#### **ICP crisis cell actions**

- in the event of a telephone alert, fill in the form "FO8 - management of a telephone terrorist threat".
- If the threat is considered credible, proceed with the safety of the plant evacuate personnel.
- Provide logistical support to the plant.
- Provide logistical assistance to the bomb squad.
- Inform the CMC Director.

#### **CMC crisis cell actions:**

- alert the DGEP by telephone.
- Manage communication with local/national media.
- Inform partners.
- contact the person on call for security of the Group and send him form "FO8 - management of a telephone terrorist threat", duly completed by the person who received the call, so that they can be analysed.
- Report to the DGEP or to the cell in Paris, if activated.

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<b>SR9</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>VEGETATION FIRE</b>
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## SR9 - VEGETATION FIRE

### NATURE OF THE ACCIDENT

Although the possibility of an accident inside the GPLC plant induced by forest fires or vegetation outside the fence was not considered reasonably credible due to the extended distances between the equipment and the fence and the absence of significant wooded areas adjacent to the plant.

In the event of a wood fire outside the plant, the plant provides for an emergency intervention procedure.

- ▶ Bush fire adjacent to the fence of the plant.
- ▶ Fire of wooded areas within the areas around the plant.

Possible unfavorable developments:

- ▶ Production of hazardous fumes for plant personnel.
- ▶ Blocking of the road network accessing the plant.
- ▶ Propagation of the fire to other TEPIT plants (underground pipelines, Corleto Tie-In).
- ▶ Propagation of the fire at the LPGC plant (unlikely hypothesis).

### EXTERNAL VEGETATION FIRE - SUMMARY OF ESSENTIAL ACTIONS

#### **ACP crisis cell actions - when a fire is observed or reported outside the plant:**

- Call the CCR (number 100) or LPGC Control Room (number 400), which informs the RSES/RSES-D.
- RSES evaluates whether to send the First Intervention Team by means of the mobile fire-fighting vehicle.
- Inform the Fire Brigade Command of Potenza and acknowledge the instructions.
- Inform the ICP Director.
- Provide logistical support to the intervention of the Fire Brigade.

#### **ICP crisis cell actions:**

- the ICP Director follows the evolution of the situation and evaluates the activation of the ICP crisis cell.
- Inform the CMC Director.

#### **CMC crisis cell actions:**

- alert the DGEP by telephone.
- Manage communication with local/national media.
- Inform partners.

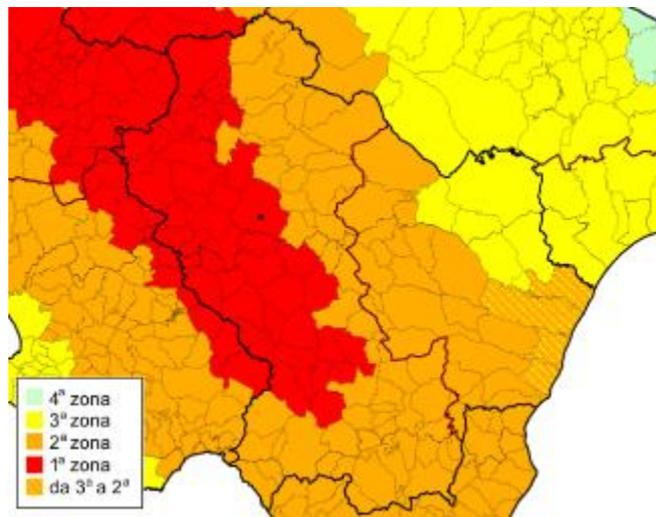
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<b>SR10</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>EARTHQUAKE/LANDSLIDE</b>
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## SR10 – NATURAL EVENT (EARTHQUAKE/LANDSLIDE)

### SEISMIC RISK

The order of the President of the Council of Ministers 20/3/2003 n. 3274 "First elements regarding general criteria for the seismic classification of the national territory and technical regulations for constructions in seismic areas", modified by the Basilicata Region with the Regional Council Resolution n ° 731 of 19/11/2003 which places the municipality di Guardia Perticara, where the Tempa Rossa LPG Centre is located in seismic zone 2.



The anti-seismic design of all the installations of the LPGC was carried out in compliance with current legislation, in particular:

- Technical Standards for Construction (NTC08) – “Norme Tecniche per le Costruzioni” -DM 14/01/2008, published in GUN 29 of 04/02/2008, in force since 30/06/2009.
- Instructions for the application of the NTC08 standard, “Istruzioni per l’applicazione delle Norme Tecniche per le Costruzioni” - Ministerial Circular 02/02/2009 No. 617”, issued by the Ministry of Infrastructure and Transport.

Note - The standard above mentioned have been replaced on 2018/2019 by the following:

- Technical Standards for Construction (NTC18) – Aggiornamento delle “Norme Tecniche per le Costruzioni”-DM 17/01/2018, published in GUN 42 of 20/02/2018, in force since 22/03/2018.
- Instructions for the application of the NTC18 standard, Istruzioni per l’applicazione delle “Norme Tecniche per le Costruzioni” - Ministerial Circular 21/01/2019 No. 7, issued by the Ministry of Infrastructure and Transport.

These standards shall be followed for new constructions or modification of existing facilities.

**Additional info relating to behaviour and actions during an earthquake are listed at the end of this scenario.**

After plant start-up and now in operation mode, applying the concept of Return on Experience (REX) the earthquake scenario has been reviewed and upgraded:

- Considering a conservative approach to protect people, environment, and asset.
- Tailoring main actions, after the alert/alarm raising, to secure installation (in production mode) as detailed below.

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<b>SR10</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>EARTHQUAKE/LANDSLIDE</b>
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**DESCRIPTION:**

Scenario, alert system and actions are related to:

1. Earthquake.
2. Landslide as consequence of:
  - a) Earthquake.
  - b) Intense/long meteorological event.

LPGC is not subject to landslide risks, but a topographical monitoring of the bulkhead and the cage is in place. Following preventive actions to be considered useful in case of landslide risks affecting the transfer of LPG from Oil Centre to LPGC (through Bretella).

**RAISE ALERT/ALARM**

In case of earthquake the shock will be the “first event” that can raise the emergency level and activate the ERP.

In case of landslide the alert/alarm raising with activation of the ERP could be consequence of:

- a) the earthquake (as above).
- b) Info coming from geoscience technician or any anomaly highlighted on site by other technician or Operating Personnel (example - any anomaly on structures and slopes).

**MAIN ACTIONS**

1. Inform **Central Control Room** or **LPGC CR** regarding the anomaly

*Note:*

- *In case of earthquake the CCR or the LPGC CR will receive the alert directly by the shock wave itself.*

2. The panel operator will inform immediately Shift Supervisor/RSES/RSES-D.
3. The RSES or his substitute (Operating Authority or Shift Supervisor) will inform the geotechnical expert to assess quickly and to decide for preventive actions to implement:
  - a) ESD-1 for LPGC/OC or both.
4. In case the hazardous event will cause an industrial accident at LPGC, the related Scenario SR1-SR2-SR3-SR4-SR5 will be used.
5. In case of hydrocarbon spillages, the RSES-D or his substitute will alert the environmental emergency service and activate the Tempa Rossa Oil Spill Contingency Plan.

**SITE ACCESS**

In case of earthquake access roads to LPGC shall be closed and security will manage the access to LPGC for key personnel (production or maintenance operators, disciplines experts, etc.):

- RSES will inform the RSES-D to guarantee the above-mentioned aspects.
- Roads shall be forbidden to access by unauthorized personnel. In this case RSES will liaise with ICP to inform external authorities.



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SR10

SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES

EARTHQUAKE/LANDSLIDE

NATURAL EVENT LANDSLIDE/EARTHQUAKE

Key information	Key actions
<ul style="list-style-type: none"> <li>• SIMOPS in progress?</li> <li>• Number of people on the LPGC?</li> <li>• Activities in progress?</li> <li>• Downgraded situations?</li> </ul>	<p><b>Primary</b></p> <p><b>CCR or LPGC CR to be activated/ informed:</b></p> <ul style="list-style-type: none"> <li>• a) by the natural event (earthquake).</li> <li>• by anyone or by calling the number <b>100</b> or <b>400</b>.</li> <li>• <b>Panel Operator shall immediately inform the RSES/ RSES-D/Shift Supervisor.</b></li> </ul> <p><b>The RSES, RSES-D or Shift Supervisor shall inform the geotechnic expert</b></p> <ul style="list-style-type: none"> <li>• PA/GA - To provide instructions.</li> </ul> <p><b>Control room</b></p> <ul style="list-style-type: none"> <li>• Under instructions of RSES:</li> <li>• Activate the ESD-1 for LPGC.</li> <li>• Evaluation of the escalation</li> </ul> <p><b>First Intervention team</b></p> <ul style="list-style-type: none"> <li>• Activate the First Intervention Team.</li> </ul> <p><b>On site:</b></p> <ul style="list-style-type: none"> <li>○ Send First intervention Team and prepare a safe route map to send to OSC/RSES.</li> <li>○ Define the green zone.</li> <li>○ Perform survey with discipline experts if possible (conditions are safe): preventive check <b>by First Intervention Team with breathing apparatus</b> to confirm the absence of any leak is mandatory before authorizing additional personnel entry on site or in area of event.</li> </ul> <p><b>Muster Points</b></p> <ul style="list-style-type: none"> <li>• LPG Centre: POB count by the Muster and Evacuation Leader. Pass the information to OSC/RSES.</li> </ul> <p><b>ICP / CICP/CMC crisis cell</b></p> <ul style="list-style-type: none"> <li>• Contact the competent authorities</li> </ul>
<b>Escalation-Mitigation measures</b>	
Loss of containment. Damages of Asset. Injury of personnel.	
<b>Escape routes &amp; Muster Point</b>	<b>Means of evacuation</b>
People will reach at the defined Muster Point or at the alternative muster point announced by PA/GA.	Road transport/access to be assessed as per impact of the natural event (area affected or not safe for circulation). To be checked situation if access road is closed but possible in the opposite way avoiding any bottleneck.

<b>SR10</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>EARTHQUAKE/LANDSLIDE</b>
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No.	EARTHQUAKE/LANDSLIDE	Components ACP Crisis Cell													
		Order	Action	ACP function and number of resources											
				RSES	LI	LS	MEL	EL	RSES-D	SIL	FIT	MED	MC		
1	Activation of the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											1
2	RSES - OSC	<input type="checkbox"/> h	<input type="checkbox"/> h	1											2
3	Intervention Leader	<input type="checkbox"/> h	<input type="checkbox"/> h		1										3
4	Installation Shutdown Leader	<input type="checkbox"/> h	<input type="checkbox"/> h			1									4
5	Muster and Evacuation Leader	<input type="checkbox"/> h	<input type="checkbox"/> h				1								5
7	ACP Event Logger	<input type="checkbox"/> h	<input type="checkbox"/> h					1							7
<b>Securing the plant - Apply REFLEX SHEET</b>															
8	Shut down of the systems from the LPG CR or CCR if the automatic locks have not intervened	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					8
9	Check that the automatic shutdown has been activated, otherwise activate it manually with the buttons on site.	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				9
<b>Safety of workers present</b>															
10	Order the staff present to reach the Muster Points	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					10
11	Order the POB count	<input type="checkbox"/> h	<input type="checkbox"/> h	1			1			1					11
12	Check the attendance register	<input type="checkbox"/> h	<input type="checkbox"/> h											1	12
13	Send the attendance register to the ICP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h											1	13
<b>Relations between the site and ACP crisis cell</b>															
14	Transmit all relevant information from the site of the event to the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h							1	1				14
15	Assessment of the situation and the need for additional means	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										15
16	Direction of intervention actions	<input type="checkbox"/> h	<input type="checkbox"/> h		1										16
17	Activate the firefighting emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1					17
18	Use self-contained breathing apparatus for interventions in confined spaces or to access the accident area	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1					1	1	5			18
19	Avoid sources of ignition	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			19
20	Retrieve injured operators, if possible	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5	3		20
21	Identify the source of the leak	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			21
22	Forbid access to unauthorized persons	<input type="checkbox"/> h	<input type="checkbox"/> h											1	22
23	Isolate the leak manually, if the automatic devices have not intervened and if it is not dangerous. Approach upwind of release.	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			23
24	In case of fire, if possible, use water / foam extinguishing devices	<input type="checkbox"/> h	<input type="checkbox"/> h		1						1	5			24
25	Activate the medical emergency team	<input type="checkbox"/> h	<input type="checkbox"/> h	1									3		25
26	If required, depressurize the equipment	<input type="checkbox"/> h	<input type="checkbox"/> h			1				1					26
27	If necessary, activate the stop of close units	<input type="checkbox"/> h	<input type="checkbox"/> h	1		1				1					27
28	Evaluate possible evolutions of the event	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1	1									28
<b>Communications with the ICP crisis cell</b>															
29	Inform the Gestore (IC)	<input type="checkbox"/> h	<input type="checkbox"/> h	1											29
30	Update the event log	<input type="checkbox"/> h	<input type="checkbox"/> h						1						30
31	Organize the debriefing at the end of the crisis	<input type="checkbox"/> h	<input type="checkbox"/> h	1						1					31
32	Demobilizing the ACP crisis cell	<input type="checkbox"/> h	<input type="checkbox"/> h	1											32
33	Prepare a report of the event including an improvement plan if necessary	<input type="checkbox"/> h	<input type="checkbox"/> h	1	1										33

(\*) ON-SCENE COMMANDER (OSC): RSES (1)  
Installation Shutdown Leader: LS (1)

Intervention Leader: LI (1)  
Muster and Evacuation Leader: MEL (1)

Event Logger: EL (1)  
RSES-D: CR Leader (1)

Site Intervention Team Leader: SIL (1)  
First Intervention Team: FIFi-R (5)

Medical Team: MED (3)  
Muster Counter: MC (1)



**SR11**

**SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES**

**TRANSPORT INCIDENT**

**SR11 - TRANSPORT INCIDENT**

NATURE OF ACCIDENTS

Accidents associated with TRANSPORT activities that may occur within the Tempa Rossa LPGC have already been evaluated in the SR6.

Accidents associated with transport activities that occur outside for activities associated with the LPGC are:

- ▶ Accident of tankers during the transport of LPG loaded in the LPGC.
- ▶ Accident of tankers during the transport of other substances produced on the LPGC (wastewater or other liquid waste).
- ▶ Vehicle accident during the transport of chemical substances (additives, chemicals) or lubricating oils coming from storage in DA05 or from outside.
- ▶ Tanker accident during the transport of substances supplied to the LPGC (propane, diesel, etc.).
- ▶ Any accident during collective or individual transport within or in the immediate vicinity of our sites involving vehicles belonging to the Company or our contractors.

SUMMARY OF ESSENTIAL ACTIONS

1. road accident involving tankers or mechanical vehicles **inside the LPGC.**

<b>Immediate actions</b>	<ul style="list-style-type: none"> <li>• Alert the RSES/RSES-D of the LPGC and mobilize the medical team and first aid vehicles.</li> </ul>
<b>ACP actions</b>	<ul style="list-style-type: none"> <li>• If an LPG tanker is involved, activate the ERP.</li> <li>• In case of loss of other substances (diesel, chemicals), contain the loss with absorbent materials (sand, absorbents, etc.).</li> <li>• Avoid all sources of ignition and monitor the leak.</li> <li>• Try to limit or stop the loss.</li> </ul>
<b>ICP actions</b>	<ul style="list-style-type: none"> <li>• If the ERP is activated, collect the additional information from the RSES and activate internal emergency procedures if necessary.</li> </ul>
<b>CMC actions</b>	<ul style="list-style-type: none"> <li>• If the ERP is activated, collect the additional information from the IC and activate internal emergency procedures if necessary.</li> </ul>

2. road accident involving LPG tankers **outside the LPGC, but near the plant.**

<b>Immediate actions</b>	<ul style="list-style-type: none"> <li>• Alert the RSES/RSES-D of the LPGC and mobilize the medical team and first aid vehicles.</li> <li>• <u>Alert the Fire Brigade Command in case an LPG tanker is involved (118).</u></li> <li>• Move people away from the accident site and block vehicular traffic while waiting for help.</li> </ul>
<b>ACP actions</b>	<ul style="list-style-type: none"> <li>• If an LPG tanker is involved, activate the ERP.</li> <li>• in case of loss of other substances (diesel, chemicals), contain the loss with absorbent materials (sand, absorbents, etc.).</li> <li>• Avoid all sources of ignition and monitor the leak.</li> <li>• Try to limit or stop the loss</li> </ul>
<b>ICP actions</b>	<ul style="list-style-type: none"> <li>• If the ERP is activated, collect the additional information from the RSES and activate internal emergency procedures if necessary.</li> <li>• Contact the Mayor of Guardia Perticara.</li> <li>• Alert the through the Export Coordinator the person in charge of the transport / procurement contract if the accident involves the company entrusted with contract work.</li> </ul>

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<b>SR11</b>	<b>SPECIFIC SCENARIOS AND EMERGENCY PROCEDURES</b>	<b>TRANSPORT INCIDENT</b>
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<b>CMC actions</b>	<ul style="list-style-type: none"> <li>• If the ERP is activated, collect the additional information from the IC and activate internal emergency procedures if necessary.</li> <li>• Manage communication with local and national media.</li> <li>• Inform partners.</li> </ul>
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**3. Road transport or mechanical vehicle accident outside, but close to the LPGC.**

<b>Immediate actions</b>	<ul style="list-style-type: none"> <li>• Alert the RSES/RSES-D of the LPGC and mobilize the medical team and first aid vehicles.</li> <li>• Keep powder fire extinguishers or the mobile vehicle (pickup) equipped with foam within reach.</li> <li>• Do not extract victims, except in the event of a fire hazard to the vehicle.</li> </ul>
<b>ACP actions</b>	<ul style="list-style-type: none"> <li>• If an LPG tanker is involved, activate the ERP.</li> </ul>
<b>ICP actions</b>	<ul style="list-style-type: none"> <li>• If the ERP is activated, collect the additional information from the RSES and activate the internal emergency procedures.</li> <li>• Collect additional information from the RSES as appropriate, from the doctor on the site: <ul style="list-style-type: none"> <li>- circumstance of the accident.</li> <li>- number of people injured.</li> <li>- additional means required.</li> </ul> </li> <li>• Contact the mayor of Guardia Perticara if the accident occurred on the LPGC).</li> <li>• Accompany the victims' families to hospitals.</li> <li>• Manage communication with the family members of the injured party (s).</li> </ul>
<b>CMC actions</b>	<ul style="list-style-type: none"> <li>• If the CMC crisis cell is activated, collect additional information from the IC.</li> <li>• Manage communication with local/national media.</li> <li>• Inform partners.</li> </ul>



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# Section **FO**

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FO2	First actions after the activation of the ERP
FO3	Message transmission cards (ICS 213)
FO4	Register of Events and Actions (ICS 233)
FO5	Impacts
FO6	Stakeholders
FO7	Incident Status (ICS 201)
FO8	Management of a telephone terrorist threat
FO9	Press release template
FO10	PEC communication modules External Emergency Plan
FO11	Victims' Follow-up
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FO1 - CRISIS CELLS MEMBERS

FORM TO FILL IN ON ARRIVAL IN EMERGENCY MANAGEMENT ROOMS AND TO BE UPDATED AT EACH HANDOVER.

FO1-1 ACP crisis cell members

Role	Holder	Substitute	Signature	Date & Time
On- Scene Commander				
Installation Shutdown Leader				
Intervention Leader				
Muster and Evacuation Leader				
ACP Event Logger				
Process and Reporting Officer				
Medical Team Leader				
<b>OTHER (if necessary)</b>				
Role	Signature			Date & Time
Assistant/s.				
IT				
Contractor or Sub-Contractor				

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### FO1-2 ICP crisis cell members

Role	Owner	Substitute	Signature	Date & Time
<b>CORE TEAM</b>				
ICP Director/Incident Commander				
Local/Regional Authorities Liaison				
ICP/ACP FOPS Liaison Officer				
ICP Event Logger				
HSE Officer				
Logistics and General Services Officer				
Site Finance and Administration Officer				
Site Maintenance Support Officer				
<b>STAND BY TEAM</b>				
Injured/Victims' families/next of kin assistance Officer				
Export/Relations with Eni Officer				
Marketing and Shipping Officer				
Telecom & Informatic Services (IT) Officer				
<b>OTHER (if necessary)</b>				
<b>Role</b>	<b>Signature</b>			<b>Date &amp; Time</b>
ICP Assistant/s				
Contractor or Sub-Contractor				

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### FO1-3 CMC crisis cell members

Role	Owner	Substitute	Signature	Date & Time
CMC Director				
Relations with Joint Venture Partners Officer				
Finance and Insurance Officer				
<b>OTHER (if necessary)</b>				
Role	Signature		Date & Time	
CMC Assistant/s				

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## FO2 - FIRST ACTIONS AFTER THE ACTIVATION OF THE ERP

### FO2-1 - FIRST ARRIVAL CHECK-LIST

The material useful for crisis management is contained in the cabinets of the emergency management Rooms.

The first person to arrive at the ACP, ICP or CMC Emergency Management Room:

- ▶ If requested by crisis cell Director, contacts the members of the ACP, ICP and CMC cell respectively. See the common directory: [W: \ Entity \ 120-CRISIS MANAGEMENT](#). The planning of on-duty personnel is also available in each crisis cell.
- ▶ Requests that all urgent messages be sent to him.
- ▶ Takes all useful documents from the cabinets (Internal Emergency Response Plan, External Emergency Response Plan, maps, etc.).
- ▶ Checks if the IT media working properly, and if necessary, requires the support of the Telecom and Informatic Services-JT 23 (IT) Officer.
- ▶ To the walls of the ICP/CMC Emergency Management Room are affixed the following posters (**previously printed in A1/A0 size**):
  - Fact Chart (ICP crisis cell).
  - Impacts / Consequences (ICP/CMC crisis cells).
  - Stakeholders Chart (ICP/CMC crisis cells).
  - Action List (ICP crisis cell).
- ▶ Begins to compile the list of facts, noting the opening time of the room.
- ▶ Inform the people who arrive about the situation, until the Director of crisis cell arrives.
- ▶ receives and notes all incoming calls.

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## FO2-2 - IMMEDIATE ACTIONS AFTER ACTIVATION

**The following actions must be performed immediately after the crisis cells activation**

- ▶ Consolidate the Form **FO2-1** "First arrival checklist" and assign any actions still to be performed.
- ▶ Consolidate the Form **FO1** "crisis cells members" when the crisis cell is completed.
- ▶ Collect all the documentation received and quickly analyze it.
- ▶ List the points that need further investigation, clarification, or confirmation.
- ▶ Organize an initial briefing, as soon as the activation of the crisis cells is effective, to bring all members to the same level of information.
- ▶ At the end of the initial briefing, set the time of the first time-out.



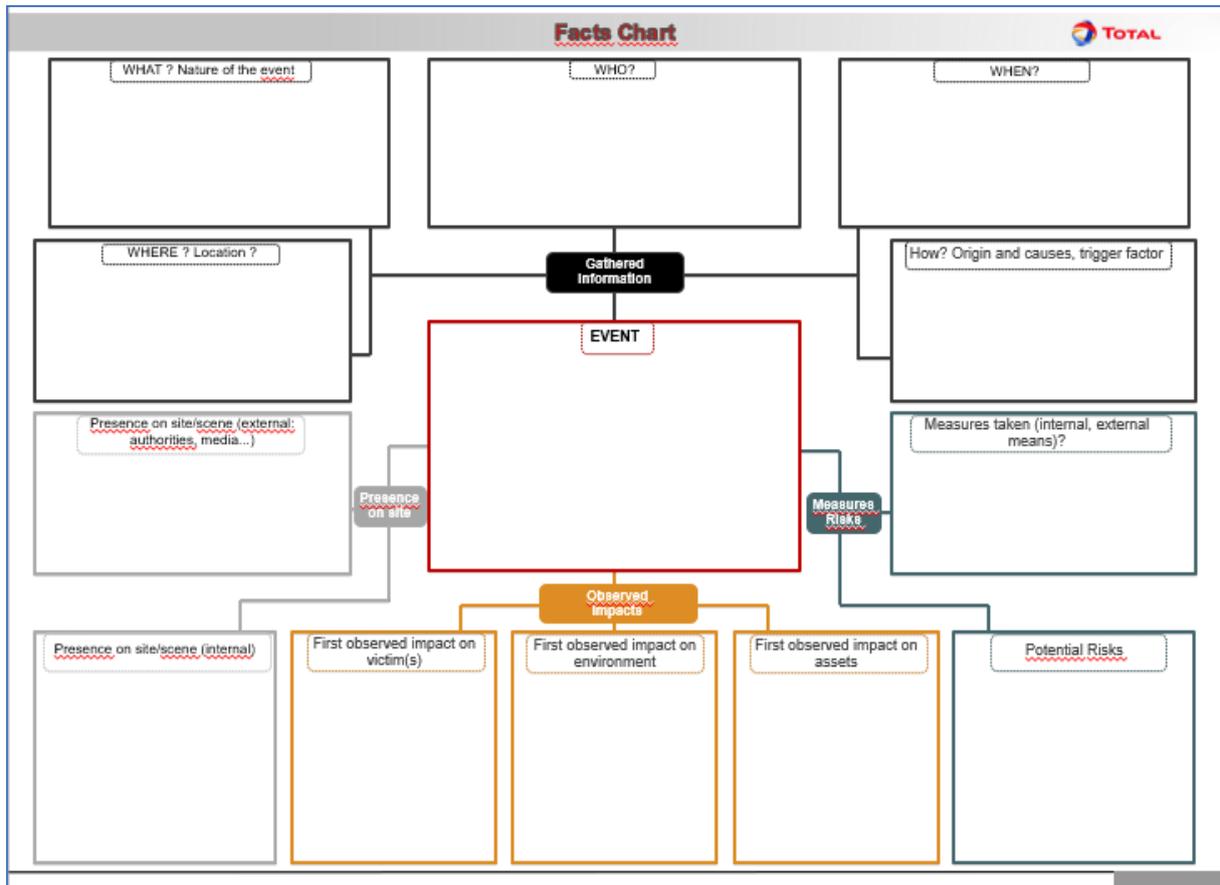
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## FO4 - REGISTER OF EVENTS AND ACTIONS

### FO4-1 – FACTS CHART

In the ICP Emergency Management Room the following poster is used to analyse the facts (FISA Method).

Card to be printed in advance in A1 / A0 format



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## FO4-2 – ACTION PLAN

Card to be printed in advance in A1 / A0 format

**Target:**

1. It is used by the Incident Commander to assign and track tasks / actions to the ICP cell members.
2. It is duplicated and provided to the members of the ICP cell, providing them with the open activities / actions that need to be completed.

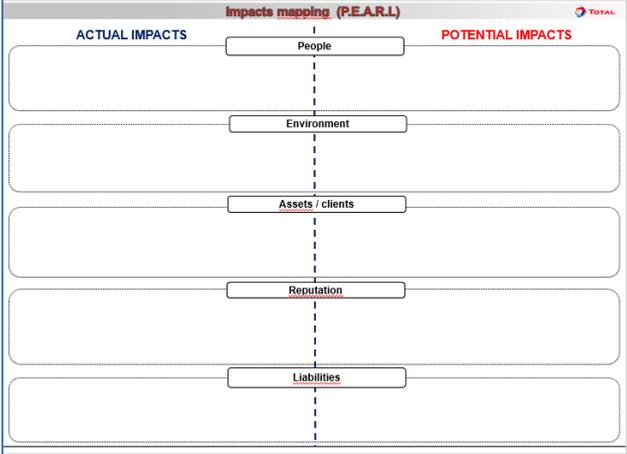
Note: This module can also be used by Section managers to keep track of tasks / actions within a single Section.

OPEN ACTION TRACKER – REGISTRO AZIONI									
<b>1. Incident Name – Nome Incidente</b>				<b>2. Date - Data:</b>				<b>ICS 233</b>	
3. Item No.	4. Item - Azione	5. For - Per	6. Status - Stato	7. Start Date – Inizio	8. Briefed – visto dal responsabile	9 Target Date	10. Actual Date		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
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21									
22									
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24									
25									
26									
27									

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## FO5 - IMPACTS

In the ICP/CMC Emergency Management Room, the following poster is used to identify the actual and potential impacts of the emergency.

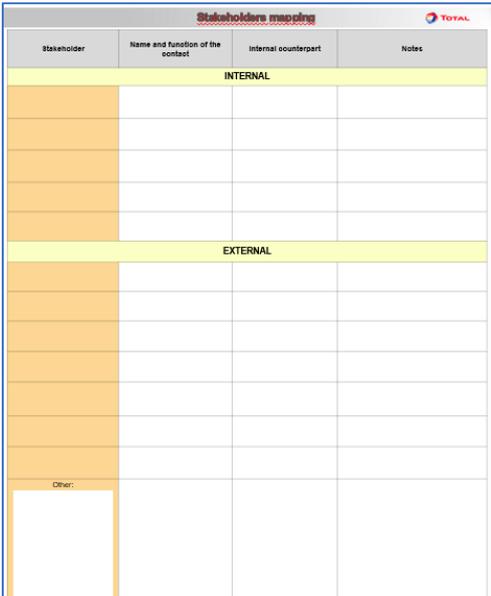


The poster is titled "Impacts mapping (P.E.A.R.L.)" and features a central vertical flowchart. The flowchart consists of five boxes connected by dashed lines, labeled from top to bottom: "People", "Environment", "Assets / clients", "Reputation", and "Liabilities". To the left of the flowchart is a column labeled "ACTUAL IMPACTS" and to the right is a column labeled "POTENTIAL IMPACTS". Each box in the flowchart has a corresponding empty rectangular area for notes or data entry. The TotalEnergies logo is visible in the top right corner.

## FO6 – STAKEHOLDERS

In the ICP/CMC Emergency Management Room, the following board is to identify the parties interested in the event:

- ▶ internal: Employees, Total Group, etc.
- ▶ external: Authorities, Neighbours, Partners, etc.



The "Stakeholders mapping" table is a grid with four columns: "Stakeholder", "Name and function of the contact", "Internal counterpart", and "Notes". The table is divided into two main sections: "INTERNAL" and "EXTERNAL", each highlighted with a yellow background. The "INTERNAL" section contains five empty rows, and the "EXTERNAL" section contains five empty rows. At the bottom of the table, there is a section labeled "Other" with a larger empty box for additional information. The TotalEnergies logo is visible in the top right corner.





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Incident Name:

Date / time:

Current and planned objectives:

Current and planned actions, strategies, and tactics:

Now:

Actions:

Prepared by: \_\_\_\_\_ Role: \_\_\_\_\_ Signature: \_\_\_\_\_

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Date/Time:



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Incident Name:

Date / Time:

**Current organization** (describe the emergency organization with the names of the persons assigned to the function):

Prepared by: \_\_\_\_\_ Role: \_\_\_\_\_ Signature: \_\_\_\_\_

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Date/Time: \_\_\_\_\_





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## FO8 - MANAGEMENT OF A TELEPHONE TERRORIST THREAT

This form is used to record as much information as possible when you receive a phone call concerning a terrorist alert. A copy may be available at the telephone exchange.

Your name:	Date:
Your function:	Your coordinates:

Time:
Exact words spoken by the interlocutor:
Name of the person with whom the perpetrator of the bomb threat asked to speak:
Answer you gave him:



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Are you speaking on behalf of an organization? (which) In your name?

When will the bomb go off? (date and time, write down the exact words)

Where exactly is it? (write down the exact words)

What kind of detonator is it?

Other statements: (write down exact words)

Time at which the interlocutor hung up the phone:

**(let him hang up first)**



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Analysis after the telephone call

<b>The interlocutor:</b>			
Gender:		Male Female	
Approximate age:			
National call? international?			
His voice: write down all the peculiarities			
<input type="checkbox"/> Quick	<input type="checkbox"/> Chiara	<input type="checkbox"/> Disguised / Altered	
<input type="checkbox"/> Slow	<input type="checkbox"/> Stuttering	<input type="checkbox"/> Other	
His language: write down all the particularities.			
<input type="checkbox"/> Polite	<input type="checkbox"/> Simple	<input type="checkbox"/> International	<input type="checkbox"/> Blasphemous
<input type="checkbox"/> Local accent	<input type="checkbox"/> Foreign accent	<input type="checkbox"/> Defects of pronunciation:	
His attitude:			
<input type="checkbox"/> calm	<input type="checkbox"/> Excited	<input type="checkbox"/> Furious / Angry	
<input type="checkbox"/> They laugh	<input type="checkbox"/> Measured	<input type="checkbox"/> Other:	
I am able / am not able to imitate the unusual characteristics of my interlocutor's voice			
His voice was / was not familiar to me.			
Write down the voices or background sounds if you have heard them:			



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## FO9 - PRESS RELEASE TEMPLATE

COMUNICATO STAMPA N°
L'INCIDENTE
Natura
Luogo
Giorno e ora d'inizio del sinistro
Come è accaduto l'incidente
Valutazione della gravità dell'incidente
Vittime/Feriti
Impatti ambientali
Controllo del sinistro, misure di salvaguardia
Indagini in corso, analisi per determinare le cause
Quali sono gli impieghi dei prodotti coinvolti?

### CONTATTO STAMPA

Nome del Mezzo di informazione: \_\_\_\_\_

Nome, funzione del giornalista: \_\_\_\_\_

Telefono: \_\_\_\_\_

Email: \_\_\_\_\_

Sito internet: \_\_\_\_\_



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FO10 - PEC COMMUNICATION MODULES EXTERNAL EMERGENCY PLAN

MODULE 1 - Reporting of ATTENTION STATE by the Gestore to the Authorities.

Prefettura UTG di Potenza – Piano Emergenza Esterna dello Stabilimento Centro GPL Tempa Rossa

- Modello n. 1 -

-Segnalazione stato di attenzione da parte dello Stabilimento TOTAL -  
- Centro GPL Tempa Rossa -

da Centro GPL Tempa Rossa a:

Comando VVF Potenza	Tel. 0971/658110-658109	com.salaop.potenza@cert.vigilfuoco.it
Prefettura di Potenza- UTG	Tel. 0971/41911	emergenze.prefpz@pec.interno.it
Sindaco Comune di Guardia P.	Tel. 0971/964004 Sindaco Cell. 3881010000	comune.guardiaperticara.pz@cert.ruparbasilicata.it
Regione Basilicata	Tel. 0971/668400 Tel. 800073665	sala.operativa@regione.basilicata.it ufficio.protezione.civile@certregione.basilicata.it
Comando Provinciale Carabinieri Potenza	Tel. 0971/391217	tpz20950@pec.carabinieri.it
Comando Compagnia Carabinieri Viggiano	Tel. 0975/61080	tpz31701@pec.carabinieri.it

Segnaliamo  accadimento  chiusura <sup>(1)</sup> STATO DI ATTENZIONE occorso in data odierna

alle ore \_\_\_\_\_ del \_\_\_\_\_  
di tipo: \_\_\_\_\_

presso lo stabilimento CENTRO GPL TEMPRA ROSSA DI GUARDIA P.

Eventuale sostanza coinvolta: \_\_\_\_\_

Velocità del vento:  Bassa  Media  Alta

Direzione del vento e posizione di massima dell'origine della scenario: \_\_\_\_\_

Note: \_\_\_\_\_

Il Responsabile dell'Impianto \_\_\_\_\_

Trasmette <sup>(2)</sup> \_\_\_\_\_

Alle ore \_\_\_\_\_ del \_\_\_\_\_

1) Identificare il termine appropriato in rapporto alla valutazione effettuata.  
2) Precisare cognome e nome delle persone che trasmettono e ricevono i messaggi



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## MODULE 2 - Reporting of An ACCIDENT by the Gestore to the Authorities.

Prefettura UTG di Potenza – Piano Emergenza Esterna dello Stabilimento Centro GPL Tempa Rossa

- Modello n. 2 -

- Segnalazione incidente da parte dello Stabilimento TOTAL -  
- Centro GPL Tempa Rossa -

Da Centro GPL Tempa Rossa a:

Comando VVF Potenza	Tel. 0971/658110-658109	com.salaop.potenza@cert.vigilfuoco.it
Prefettura di Potenza- UTG	Tel. 0971/41911	emergenze.prefpz@pec.interno.it
Sindaco Comune di Guardia P.	Tel. 0971/964004 Sindaco Cell. 3881010000	comune.guardiaperticara.pz@cert.ruparbasilicata.it
Regione Basilicata	Tel. 0971/668400 Tel. 800073665	sala.operativa@regione.basilicata.it ufficio.protezione.civile@certregione.basilicata.it

Segnaliamo l'incidente occorso in data odierna alle ore \_\_\_\_ del \_\_\_\_ di tipo:

Incendio       Esplosione       Rilascio di sostanza pericolosa

presso lo stabilimento CENTRO GPL TEMPA ROSSA DI GUARDIA P.

Sostanza coinvolta: \_\_\_\_\_

Velocità del vento:       Bassa       Media       Alta

Direzione del vento e posizione di massima dell'origine della scenario:

\_\_\_\_\_

\_\_\_\_\_

Note:

\_\_\_\_\_

Il Responsabile dell'impianto: \_\_\_\_\_

Trasmette <sup>(1)</sup> \_\_\_\_\_  
alle ore \_\_\_\_\_ del \_\_\_\_\_

1) Precipare cognome e nome delle persone che trasmettono e ricevono i messaggi

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## FO11 – VICTIMS’ FOLLOW-UP

In the **ACP and ICP Emergency Management Rooms**, the following poster is used to keep track of injured/dead/missing people during the emergency.

VICTIMS' FOLLOW-UP						
No.	VICTIMS IDENTIFICATION* IDENTIFICAZIONE VITTIME	FIRST NOTIFICATION* PRIMA NOTIFICA	FIRST MEDICAL ASSISTANCE* PRIMA ASSISTENZA MEDICA		MEDEVAC* EVACUAZIONE MEDICA	
	Name/Nome	Missing/Disperso <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Site <input type="checkbox"/> External <input type="checkbox"/> Ambulance Timing/Tempistica	No.
	Surname/Cognome		Firefighting Team/Squadra antincendio <input type="checkbox"/>		Departure/Partenza (HH:mm)	
	Age/Età	Injured/infortunato <input type="checkbox"/>	Site Medical Team/Squadra medica di sito <input type="checkbox"/>		Destination/Destinazione	
	Employee/Lavoratore <input type="checkbox"/>		External Ambulance (118)/Ambulanza esterna (118) <input type="checkbox"/>		Arrival/Arrivo (HH:mm)	
	Contractor/Azienda <input type="checkbox"/>	Dead/Vittima <input type="checkbox"/>			Medical Helicopter Timing/Tempistica	
	Visitor/Visitatore <input type="checkbox"/>	Other info/Altre info	Rescue Team/Squadra di recupero <input type="checkbox"/>		Arrived on site/Arrivo in sito (HH:mm)	
					Departure/Partenza (HH:mm)	
			Medical Helicopter/Elisoccorso <input type="checkbox"/>		Destination/Destinazione	
					Arrival/Arrivo (HH:mm)	

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## FO12 - INJURED/VICTIM IDENTIFICATION & STATUS

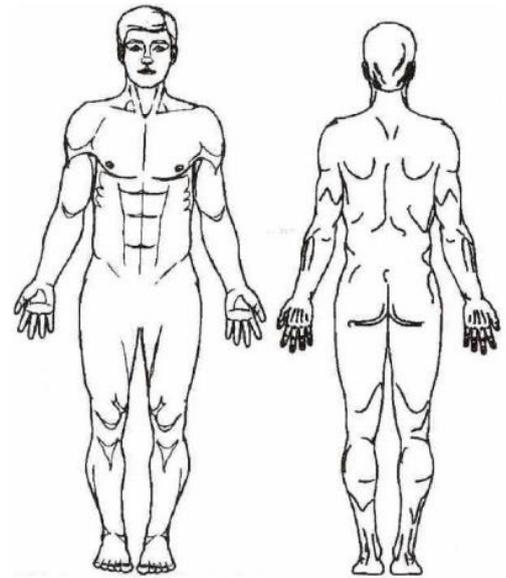
The following form shall be fill in by Medical Doctor.

Name		Company	
Age / DOB		Date	
Brief History			
		Location	

PRIMARY SURVEY		Time:
Spinal Column	# Normal	# Possible Injury
Airway	# Clear	# Obstructed
Breathing	# Spontaneous	# Difficulty
Circulation/ Hemorrhage	# External	# Internal
	# None/Slight	
	# Moderate	
	# Severe	
Disability responds to	# Alert	# Pain
	# Visual stimuli	# Unresponsive

VITAL SIGN	
Breathing frequency	
Heart rate	
Blood Pressure	
Body temperature	

Mark the image and put code as mentioned below



SECONDARY SURVEY			
Eye Opening	Spontaneous		
	To Voice		
	To Pain		
	None		
Verbal Response	Oriented		
	Confused		
	Inappropriate		
	Incomprehensible		
Motor Response	Obeyes command		
	Localizes pain		
	Withdrawal (pain)		
	Flexion (pain)		
	Extension (pain)		
	None		
Pupils	React	# R	# L
	Constricted	# R	# L
	Normal	# R	# L
	Dilated	# R	# L
Comments			

C = Close Fracture	O = Open Fracture
B = Burn (shade the area)	F = Foreign Body
L = Laceration	A = Abrasion
E=Ecchymosis(bruising)	

Analgesia	# Drugs	Dose	Time
Splinting	# Bandage		
	# Splint		
	# Other (Specify)		



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**ERP MANAGEMENT**

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**ERP MANAGEMENT**

<b>MA</b>	<b>ERP MANAGEMENT</b>
MA1	Training and Exercises
MA2	Update procedures
MA3	Glossary

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## MA1 - TRAINING AND EXERCISES

### INFORMATION

Each worker receives adequate information on:

- ▶ fire risks associated with the activity carried out in the plant.
- ▶ Fire risks related to the specific tasks performed.
- ▶ Toxic gas risks.
- ▶ Fire prevention and protection measures adopted in the workplace.
- ▶ Location of Muster Point and escape routes.
- ▶ Procedures to be adopted in case of fire.

The information on the risks of major accidents and on the measures to prevent or limit their consequences for people and environment was provided as required by Legislative Decree 105/15, Appendix 1 to Annex B: Induction "Seveso" and quarterly e-learning training modules.

### THIRD COMPANIES

For employees, workers of third-party and visitors are required to acknowledge and memorize the behaviours to be followed in the case of an emergency event, according to the instructions given at the entrance to the establishment and by means of the information form defined "**Induction HSE**" as per 3-PR-QHSE-018 Procedure "Personnel Access in Tempa Rossa Areas".

All the training are available at the HSSE Direction which deals with the management of training pursuant to Legislative Decree 105/15 as specified in the procedure SGS-04 "Management of awareness, information and training for HSE".

### FIRE-FIGHTING AND FIRST AID TRAINING

The fire fighters are:

- in possession of the certificate of technical suitability in accordance with art. 37, paragraph 9 of Legislative Decree. 81/08 pursuant to art. 17, paragraph 5 of D.Lgs. 139/06 and D.M. 10/03/1998.
- Appointed by the Managing Director.

The personnel in charge of the first aid measures are in possession of the training as foreseen by D.M. 388/2003.

### DRILLS

The exercises are carried out with a periodicity reported in the "drill log" managed by HSE Superintendent, so that the Emergency Team is prepared to intervene for each type of event identified in the GPLC Safety Report.

Following each exercise, the HSE Superintendent will draw up the report on the test carried out, in which the simulated scenario, the participants, the best practices and the improvements are reported.

Prior notice of the planning of the exercises is given to the competent authorities for possible participation as observers.

At the Oil Center (HSE Superintendent) are available programs related to the training of operational personnel, the trainings are provided by the HSE Superintendent.

Firefighting PPE (coverall, jacket, gloves, helmet, boots and breathing apparatus) shall be checked by the HSE Superintendent and recorded in the appropriate register.

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### TRAINING FOR ICP & CMC CRISIS CELLS MEMBERS

Specific training is provided regarding the Incident Management System methodology:

Subject	Cod Training	Description
Key people of ICP Crisis Cell	IMS 300	Training lasting 3 days with a qualified trainer.
All the staff of ICP and CMC Crisis Cells	IMS 200	E-learning training
	IMS 100	E-learning training

### EMERGENCY MANAGEMENT EXERCISES

Exercises for crisis cells are organised periodically. The following table describes the types of exercises.

Type	Description	Crisis Cells involved	Periodicity
TABLE-TOP	It is the most effective type of exercise in training staff on their responsibilities. The Tabletop exercise is discussion-based session where crisis cells' team members meet in a meeting room or emergency room to discuss their roles and responsibilities during a particular emergency when a scenario is presented.  A facilitator guides participant through a discussion of one or more scenarios. They are asked to use the means at their disposal (e.g., Job Tickets, check list, forms, etc..) to describe the action they would take in a particular emergency, testing Internal/External Emergency Response Plans.	ACP ICP CMC	6 months Each modification of ERP
FUNCTIONAL DRILL	This drill is designed to test one or more components of an emergency response system without involving other elements. This is an effective drill for communication systems, alarm systems, medical, fire or intervention response preparation.  It can be done to exercise the Intervention Team or the Medical Team.	ACP	1 month
LARGE SCALE EXERCISE	LSE is the most complete and complex exercise. All levels of the emergency management organization participate.  It can request support from the TotalEnergies Group and, at least every 3 years, the LSE is supervised by a TotalEnergies Group specialist.	ACP ICP CMC	3 years

**NOTE 1:**

According to the Ministerial Decree of 13 October 1994, for at least one of the exercises of the "Functional Drill" type performed in a year, the intervention of the Fire Brigade must be requested, also through the participation of the ICP crisis cell.

Each crisis cell Director (ICP; CMC) defines a program of exercises with the support of the HSSE Direction.

### FUNCTIONING TEST OF THE SIRENS

During the exercises, the PA/GA system emergency siren's function test (General / Fire / Alarm and External Emergency Alarm) is performed.

**Before each test, the community around the GPL Centre must be informed via prior communication to the mayor of Guardia Perticara.**

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## MA2 - UPDATE PROCEDURES

The Internal Emergency Plan is normally reviewed annually and is updated by the Gestore, with the support of the HSSE Director, as needed and after consulting the staff working in the LPGC, including the staff of all companies. contractors with medium / long-term framework contract (respectively through RLSA and Site Managers), in any case with at least three-year frequency as required by Art. 20 paragraph 3 of Legislative Decree 105/15.

The consultation is then recorded through special minutes reported in MA3.

To consultation, the Gestore makes the following information available to the workers' representatives for safety at least fifteen days before the meeting the draft of ERP.

Before adopting, reviewing, or updating the ERP, the Gestore and/or the HSSE Director meet the workers' safety representatives (RLSA) who can make observations or proposals on the ERP.

The reports of the meeting are drawn up, deposited at the HSSE Direction available to the competent authorities referred to in Articles 10 and 27 of Legislative Decree no. 105 of 2015 and are part of the ERP.

For any consultation need, an original copy of the same is kept and made available at the RSES-D office.

The Gestore considers the observations received as part of the activities for the preparation, revision and updating of the ERP.

The ERP is in any case updated when the following contingencies occur:

- ▶ whenever significant organizational, plant and / or risk level / scenario changes occur in the LPGC.
- ▶ In fulfilment of regulatory changes.
- ▶ In the event of objective evidence emerging from the investigation activities following events, anomalies, near misses, accidents.
- ▶ In relation to the results of the debriefing of the training and emergency simulation activities.
- ▶ In relation to the results of the consultation activities of the RLSA / third-party companies.
- ▶ Following the prescriptions of the competent authorities for the issue of authorization documents or inspection / inspection activities in general.
- ▶ For the activities of the internal audit system and management review.
- ▶ On the occasion of the update of the Safety Report pursuant to Legislative Decree 105/2015 and / or the Risk Assessment Document pursuant to Legislative Decree 81/08.



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## ERP MANAGEMENT

### MA3 – RLSA/CONTRACTORS CONSULTATION



TotalEnergies EP Italia

Prot. 000913/22

Guardia Perticara, 04.07.2022

**OGGETTO:** Verbale di avvenuta consultazione dei Rappresentanti dei Lavoratori per la Sicurezza e l'Ambiente (RLSA), ai sensi del DM 6 giugno 2016, n. 138 "Regolamento recante la disciplina delle forme di consultazione, sui piani di emergenza interna (PEI), del personale che lavora nello stabilimento", ai sensi dell'articolo 20, comma 5, del D.lgs. 105/2015.

In data 01 luglio 2022, alle ore 09:00 in videoconferenza si è tenuto un incontro fra:

- L'ing. Brian Welinder in qualità di Asset Director e Gestore degli Stabilimenti Seveso OC e LPGC.
- L'ing. Ferruccio Ferrucci in qualità di RSPP/Direttore HSSE.
- L'ing. Vincenzo Arculeo (HSE metodi e integrità).
- L'ing. Anna Carbone (Safety Engineer).
- I Rappresentanti dei Lavoratori per la Sicurezza e l'Ambiente: Sig.ri Gerardo Cuoco e Antonello Lauria. La Sig.ra Laura Leonarda Genovese non ha potuto partecipare all'incontro.

Nell'incontro, i Rappresentanti dei Lavoratori per la Sicurezza e l'Ambiente sono stati consultati in ordine:

1. alla Revisione n. 2 del Piano di Emergenza Interna del Centro LPG Tempa Rossa, reso disponibile in bozza agli stessi in data 13.06.2022, evidenziando i principali aspetti oggetto della revisione tramite una presentazione allegata al presente verbale.
2. Al Documento di politica per la prevenzione degli incidenti rilevanti del Centro Olio Tempa Rossa (doc. 1-PO-QHSE-002) in fase di revisione biennale, reso disponibile per commenti agli stessi in data 21.06.2022.

I Rappresentanti dei Lavoratori per la Sicurezza e l'Ambiente (RLSA), hanno quindi espresso il loro parere favorevole ai documenti in fase di aggiornamento.

Il Gestore dello Stabilimento.

I Rappresentanti dei Lavoratori  
per la Sicurezza e l'Ambiente.

Sede legale: Via Rombon, 11 - 20134 Milano (Italy)

Tel.: +39 02 540 681

www.it.total.com

Denominazione sociale: TotalEnergies EP Italia S.p.A. con socio unico

Cap. Soc. € 10.120.000 i.v. - C.F./P.Iva/N. iscr. Reg. Imprese di Milano - Monza - Brianza - Lodi: 10569621005

Iscrizione R.E.A. n° MI - 2530615

Società soggetta all'attività di direzione e coordinamento della TotalEnergies Holdings Europe S.A.S. (Controllata da TotalEnergies SE)

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## MA4 - GLOSSARY

**ACP:** Advanced Command Post.

**CCMC:** Country Crisis Management Cell.

**CCR:** Central Control Room.

**CMC:** Crisis Management Cell.

**CSC:** Crisis Support Cell (HQ Paris).

**ERP:** Internal Emergency Response Plan.

**ESD:** Emergency Shutdown.

**FISA:** Facts, Impacts, Stakeholders, Action Plans.

**Gestore:** pursuant to Legislative Decree 105/2015 (Implementation of Directive 2011/18/EU Seveso III), is the natural or legal person who operates or controls the Tempa Rossa Oil Centre establishment.

**GMC:** General Maintenance Contract.

**HSE:** Health, Safety and Environment.

**HVAC:** Heating, Ventilation and Air Conditioning.

**IC:** Incident Commander.

**ICS:** Incident Command System.

**ICP:** Incident Command Post.

**IMS:** Incident Management System.

**IMT:** Incident Management Team.

**JT:** Job Ticket.

**LPGC:** LPG Centre Tempa Rossa.

**MAC:** Alarm Call-point.

**MEDEVAC:** Medical Evacuation.

**OC:** Tempa Rossa Oil Centre.

**OSC:** On Scene Commander.

**PA:** Public Address - Public voice announcement.

**PA/GA:** Public Address / General Alarm.

**PCA:** Posto di Comando Avanzato - PEE.

**PEARL:** People, Environment, Assets, Reputation, Liability.

**PEC:** Certified e-mail.

**PEE:** External Emergency Response Plan.

**POB:** Staff on board, i.e., all the people present at a given moment on the site.

**PPE:** Personal protective equipment.

**RLSA:** Representatives of Workers for Safety and the Environment.

**RSES:** Site Safety, Health and Environment Manager.

**RSES-D:** A person delegated to take the part of the RSES within the LPGC.

**TEPIT:** TotalEnergies E&P Italia Spa.

# **VOLUME 2**





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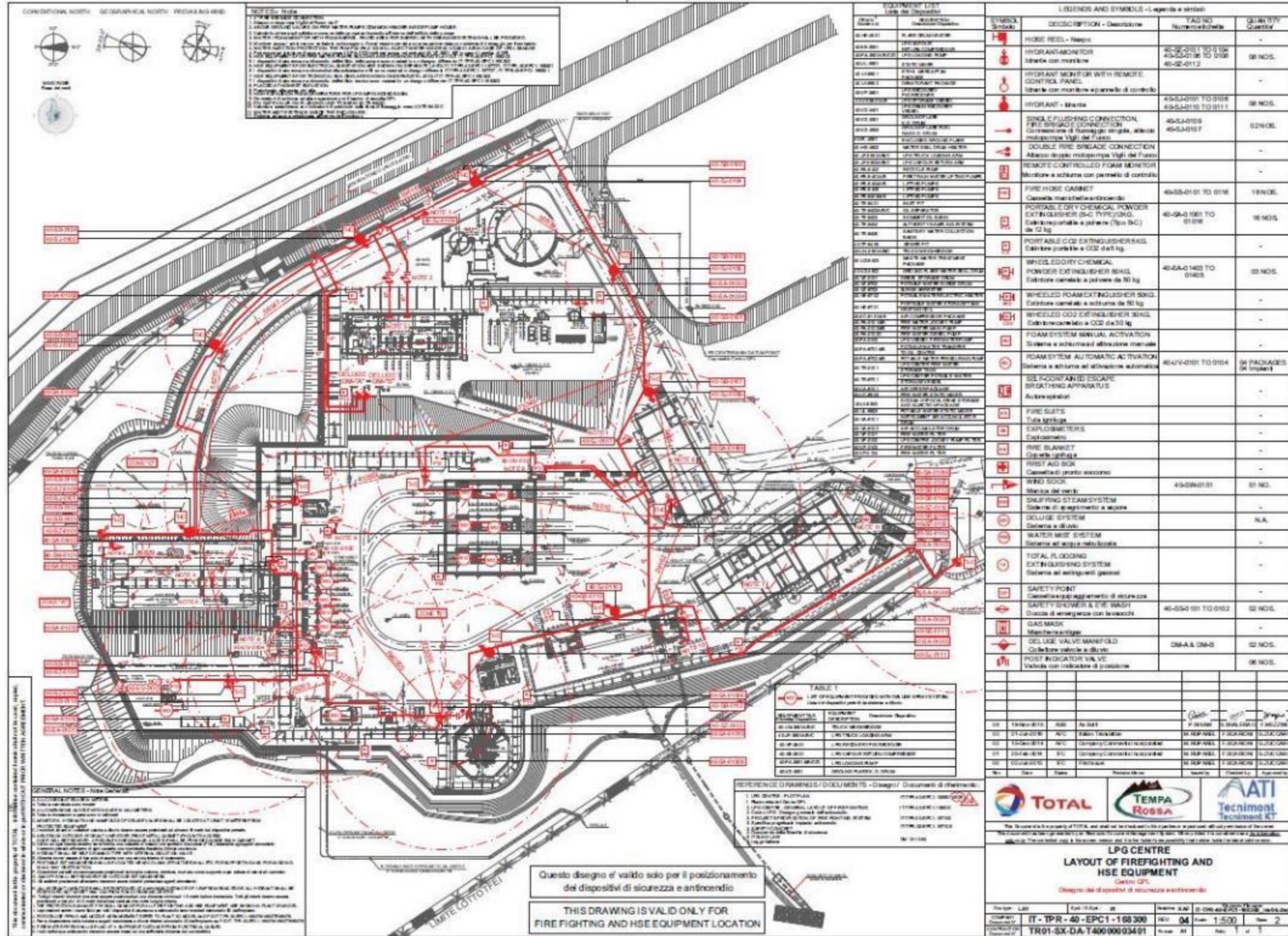
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LAYOUT & DATA

LD2 - FIRE-FIGHTING LAYOUT (IT-TPR-40-EPC1-168300)







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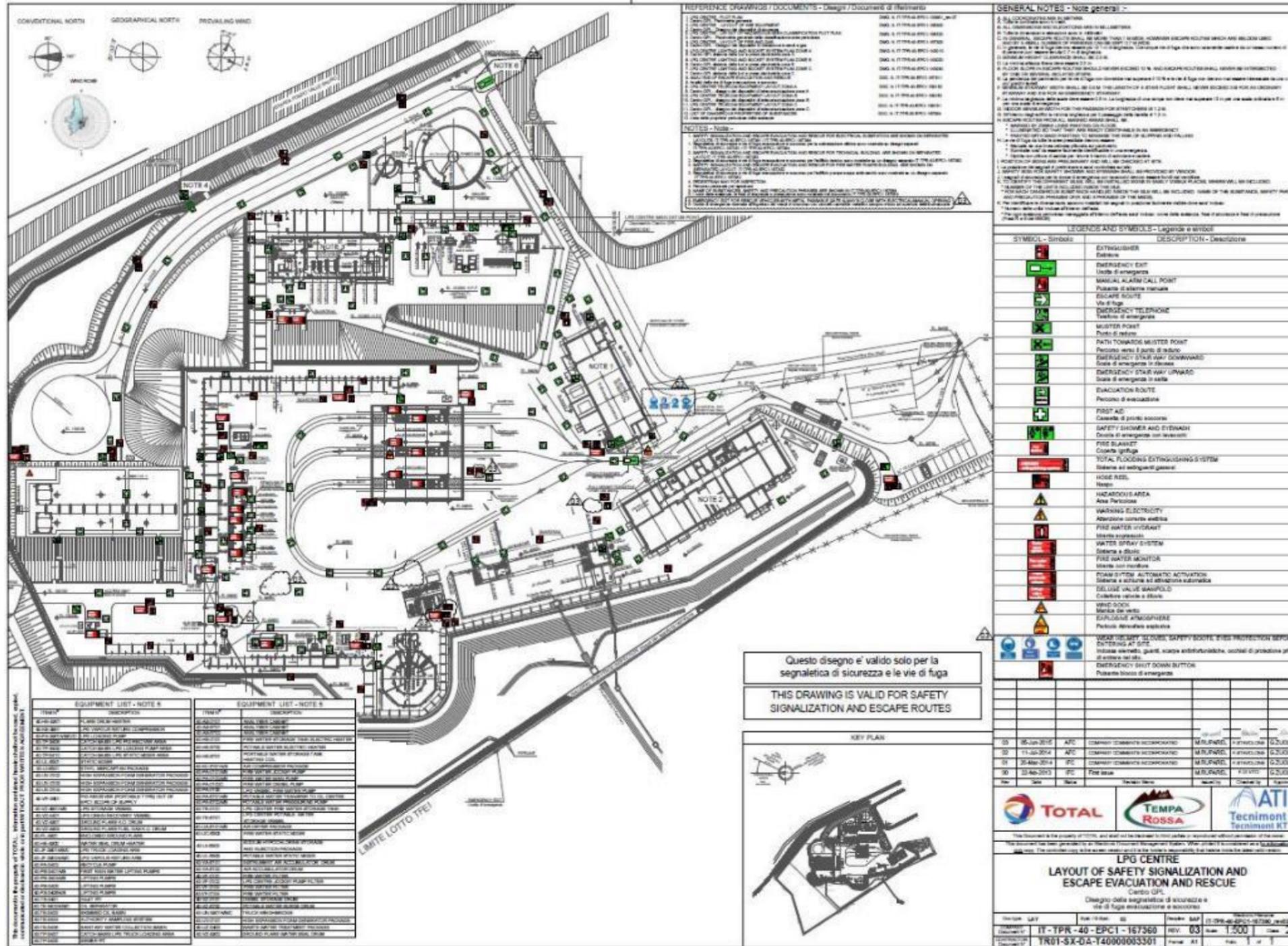
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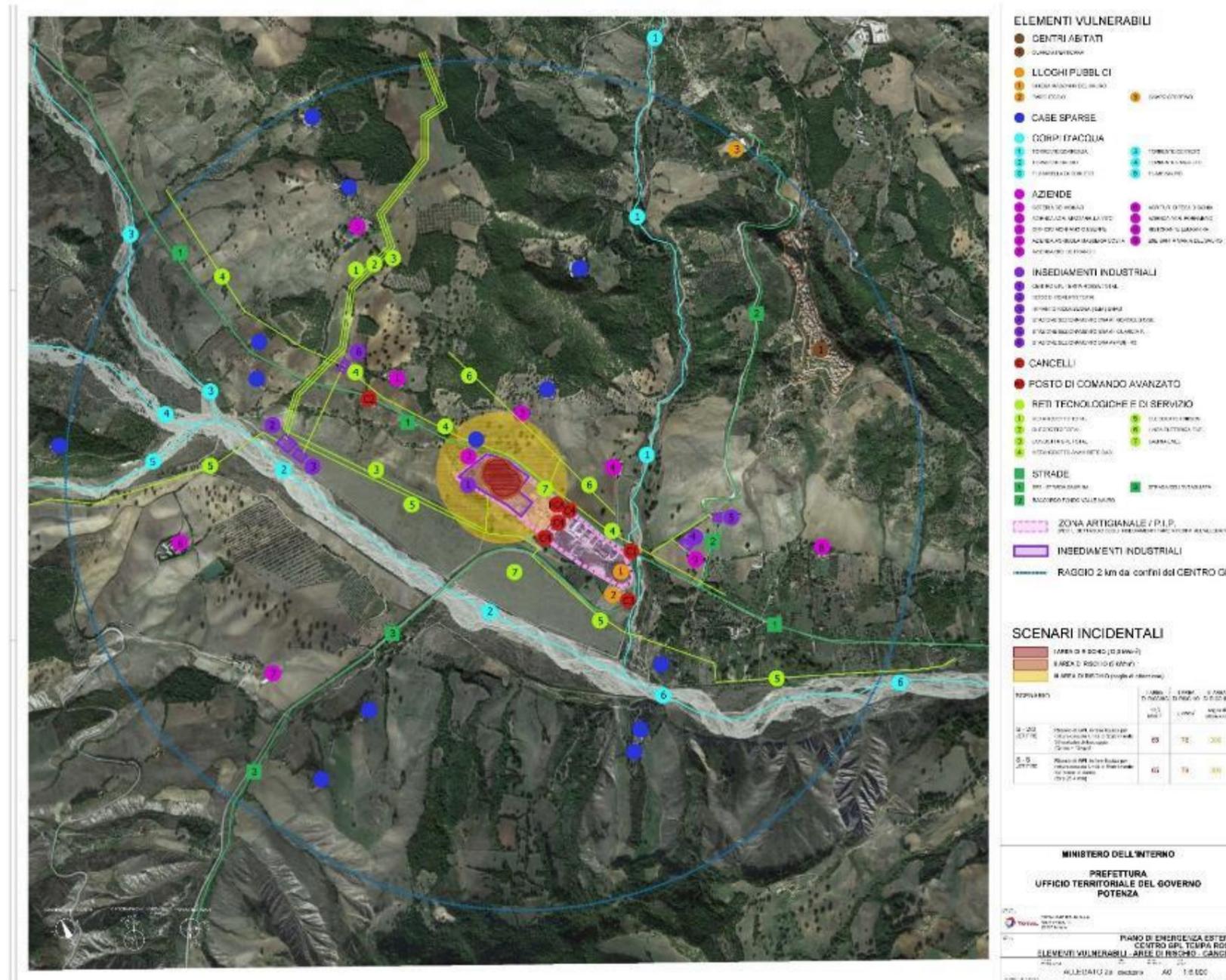
LAYOUT & DATA

LD4 - ESCAPE ROUTES LAYOUT (IT-TPR-40-EPC1-167360)



<b>LD</b>	<b>LAYOUT &amp; DATA</b>
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**LD5 - COROGRAPHY OF THE SURROUNDING AREA (Rif. PEE-Annex 2)**



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## **LD6 - MATERIAL SAFETY DATA SHEETS**

MSDS available on SharePoint link (TEPIT intranet)

<https://totalworkplace.sharepoint.com/sites/SevesoTempaRossa>

## **LD7– CARTOGRAPHIC REPRESENTATION OF DAMAGE AREAS (from LPGC Safety Report)**

RDS: IT-TPR-40-EPC1-167544 – Annex C.4.3 - Graphic representation of accident scenarios.

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## RE1 - TELEPHONE NUMBERS AND USEFUL CONTACTS

**The availability of each crisis cell member and their contact are managed through the file:**

[Emergency\\_Cells\\_On\\_Duty\\_Personnel.xlsx](#)

**available in the common directory:**

[W: \ Entity \ 120-CRISIS MANAGEMENT](#)

[Teams Channel: "Emergency Management Tempa Rossa"](#)

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### ACP crisis cell room

<b>ADVANCE COMMAND POST CRISIS CELL</b>	
<b>ACP Emergency Management Room</b>	<b>+39 0971 96 4499</b>
Audio conference phone	+39 0971 96 <b>5638</b>
Satellite Phone	00 87 0772 52 61 75
e-mail ACP	<a href="mailto:tepit.acp@totalenergies.com">tepit.acp@totalenergies.com</a>

### Tempa Rossa Medical Clinic

<b>Medical Clinic Area N – Oil Centre</b>
<b>347 1507585</b>
<b>Radio: Oil Centre 1 Channel</b>

### ICP crisis cell room

<b>INCIDENT COMMAND POST CELL CRISIS CELL</b>	
<b>ICP Emergency Management Room</b>	<b>+39 0971 96 5699</b>
Audio conference phone	+39 0971 96 <b>4445</b>
Satellite Phone	00 87 077 692 7346
<u>ICP email</u>	<a href="mailto:tepit.icp@totalenergies.com">tepit.icp@totalenergies.com</a>

### CMC crisis cell room

<b>CRISIS MANAGEMENT CELL - CMC</b>	
<b>CMC Emergency Room</b>	<b>+39 025406 8801</b>
CMC e-mail	<a href="mailto:tepit.cmc@totalenergies.com">tepit.cmc@totalenergies.com</a>

### Central Control Room

<b>OIL CENTRE CONTROL ROOM</b>	
<b>+39 0971 96 5873</b>	
Radio	Canale Oil Center 1
<b>SHIFT SUPERVISOR</b>	
<b>+39 0971 96 5831</b>	
Radio	Canale Oil Center 1

### LPGC Control Room

<b>LPGC CONTROL ROOM</b>	
<b>+39 0971 96 4403</b>	
Radio	Canale Oil Center 1
<b>SHIFT SUPERVISOR</b>	
<b>+39 0971 96 5628</b>	



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**Stakeholders - Partners**

<b>ENI/SOM</b>		
<b>Taranto Operating Unit</b>	Fixed Telephone	+39 099 47 82 218
	Fax	+39 099 47 00 487
<b>Control room - Taranto refinery</b>	Fixed Telephone	+39 099 47 82 356
	Fixed Telephone	+39 099 47 82 319
<b>Capo Turno - RPO - Taranto Refinery</b>	Fixed Telephone	+39 099 47 82 290
Switchboard Taranto Refinery	Fixed Telephone	+39 099 47 82 111
Taranto Refinery Director	Fixed Telephone	+39 345 67 75 283
	Fixed Telephone	+39 0975 31 3538
<b>Control room - Val D'agri Oil Centre</b>	Fixed Telephone	+39 0975 31 3503
	Fax	+39 0975 31 33689
<b>Available Emergency Managers</b>		
	MSP	Mobile Phone +39 346 001 0518
	MSP-MOV TA	Mobile Phone +39 342 998 2013
ENI Southern District - District Manager	Fixed Telephone	+39 0975 313650
	Mobile Phone	+39 342 8587 602
<b>FREE NUMBER ENI R&amp;M EMERGENCIES</b>	Toll-free Num	<b>800 909 119</b>
<b>SNAM RETE GAS</b>		
<b>CONSILINA ROOM CENTER</b> Head of SALVATORE CRIMI	Fixed Telephone	+39 0975574093 durante orario di lavoro normale
	Mobile Phone	+39 3401765234
	Fax	+39 0975 57 4107 durante orario di lavoro normale
	email	<a href="mailto:luigiarcangelo.tartaglia@snamretegas.it">luigiarcangelo.tartaglia@snamretegas.it</a>
<b>FIRST AID</b>	Toll-free Num	<b>800 970 911</b>
<b>ENEL</b>		
ENEL DI POTENZA OPERATIONAL CENTER (24 hours a day) - Capo Turno	Fixed Telephone	+39 080 230 8551
	email	<a href="mailto:coepotenza@e-distribuzione.com">coepotenza@e-distribuzione.com</a>
<b>AQUEDOTTO LUCANO</b>		
Toll-free Num		+39 800 992 293
Technician in charge	Mobile Phone	+39 334 1078134
<b>SHELL</b>		
<b>Marco Brun – CEO</b>	Mobile Phone	+39 335 6417591
	email	<a href="mailto:marco.brun@shell.com">marco.brun@shell.com</a>
<b>Alberto Pelliccia - JV Representative</b>	Mobile Phone	+39 335 5767767
	email	<a href="mailto:Alberto.pelliccia@shell.com">Alberto.pelliccia@shell.com</a>
<b>Silvano Suigi – UPC Italy HSE Specialist</b>	Mobile Phone	+39 335 7353573
	email	<a href="mailto:silvano.suigi@shell.com">silvano.suigi@shell.com</a>
<b>Matteo Mistri – Senior Project Engineer</b>	Mobile Phone	+39 335 7420720
	email	<a href="mailto:matteo.mistri@shell.com">matteo.mistri@shell.com</a>
<b>MITSUI</b>		
<b>Stefano Romay - Director &amp; General Manager</b>	Mobile Phone	+39 335 1980847
	email	<a href="mailto:S.Romay@mitsui.com">S.Romay@mitsui.com</a>
<b>Alessandro Ajelli - Project Manager</b>	Mobile Phone	+39 366 6926403
	email	<a href="mailto:A.Ajelli@mitsui.com">A.Ajelli@mitsui.com</a>



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## RESOURCES

## Public Authorities

## CARABINIERI

Single national telephone number

112

Provincial Command of the Carabinieri of Potenza - Operational Center H24

Fixed Telephone H24

+39 0971 391217

email

[tpz20950@pec.carabinieri.it](mailto:tpz20950@pec.carabinieri.it)

Command of the Carabinieri Company of Viggiano

Fixed Telephone H24

+39 0975 61080

+39 0975 61086

email

[tpz31701@pec.carabinieri.it](mailto:tpz31701@pec.carabinieri.it)

Command of the Carabinieri Station of Corleto P.

Fixed Telephone

+39 099 47 82 111

email

[tpz27479@pec.carabinieri.it](mailto:tpz27479@pec.carabinieri.it)

Command of the Carabinieri Company of Pisticci

Fixed Telephone H24

+39 0835 445400

email

[tmt25394@pec.carabinieri.it](mailto:tmt25394@pec.carabinieri.it)

Command of the Carabinieri Station of Gorgoglione

Fixed Telephone

+39 0835 560010

email

[tmt23409@pec.carabinieri.it](mailto:tmt23409@pec.carabinieri.it)

Command of the Carabinieri Station of Pietrapertosa

Fixed Telephone

+39 0971 983001

email

[tpz20376@pec.carabinieri.it](mailto:tpz20376@pec.carabinieri.it)

As part of the External Emergency Plan, the Carabinieri must be contacted by the ICP Cell in case of an emergency situation.

The official communication must be carried out through the Communication Models via PEC.

In particular:

- Attention State Activation: Model 1

The Carabinieri have the task of managing and controlling traffic in the areas affected by the emergency and maintaining public order, with the coordination of the Prefecture of PZ

## FINANCE POLICE

Single national telephone number

117

Provincial Command of the Guardia di Finanza of Potenza

Fixed Telephone

+39 0971 52899

Fixed Telephone

+39 0971 52346

email

[pz0510000p@pec.gdf.it](mailto:pz0510000p@pec.gdf.it)

Tenenza Guardia di Finanza of Viggiano

Fixed Telephone

+39 0975 311008

email

[pz1090000p@pec.gdf.it](mailto:pz1090000p@pec.gdf.it)

As part of the External Emergency Plan, the Guardia di Finanza is alerted by the Prefecture of Potenza.

The Guardia di Finanza has the task of managing and controlling traffic, i.e., blocking the traffic in the areas affected by the accident.



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**RESOURCES****POLICE****Single national telephone number****113**

Questura	Fixed Telephone H24	+39 0971 334778
	Fixed Telephone	+39 0971 334111
	email	<a href="mailto:gab.quest.pz@pecps.poliziadistato.it">gab.quest.pz@pecps.poliziadistato.it</a>
	email H24	<a href="mailto:salaoperativa.quest.pz@pecps.poliziadistato.it">salaoperativa.quest.pz@pecps.poliziadistato.it</a>
<b>Polstrada Command– Potenza</b>	<b>Fixed Telephone H24</b>	<b>+39 0971 654111</b>
	email	<a href="mailto:polstradacoc.pz@poliziadistato.it">polstradacoc.pz@poliziadistato.it</a>
	email	<a href="mailto:sezpolsstrada.pz@pecps.poliziadistato.it">sezpolsstrada.pz@pecps.poliziadistato.it</a>

As part of the External Emergency Plan, the Traffic Police is alerted by the Prefecture of Potenza. The Traffic Police has the task of managing and controlling traffic, i.e. blocking the traffic in the areas affected by the accident.

**PREFECTURE**

<b>Prefettura – Potenza (Protezione Civile Prefettura)</b>	<b>Fixed Telephone H24</b>	<b>+39 0971 41911</b>
	email	<a href="mailto:protocollo.prefpz@pec.interno.it">protocollo.prefpz@pec.interno.it</a>
	email	<a href="mailto:emergenze.prefpz@pec.interno.it">emergenze.prefpz@pec.interno.it</a>
Prefettura – Matera	Fixed Telephone	+39 0835 3491
	email	<a href="mailto:protocollo.prefmt@pec.interno.it">protocollo.prefmt@pec.interno.it</a>

As part of the External Emergency Plan, the Prefecture of PZ must be contacted by the ICP Cell in case of an emergency situation.

The official communication must be carried out through the Communication Models via PEC.

In particular:

- Attention State Activation: Model 1
- Incident reporting: Model 2

The Prefecture of Potenza coordinates the implementation of the PEE in relation to the different levels of alert.

**FIRE FIGHTERS****Single national VVF telephone number****115**

<b>Provincial Fire Brigade Command Potenza</b>	<b>Fixed Telephone H24</b>	<b>+39 09716 58111</b>
	<b>Fixed Telephone - VOIP Sala Operativa</b>	+39 09716 54704
	email H24	<a href="mailto:com.salaop.potenza@cert.vigilfuoco.it">com.salaop.potenza@cert.vigilfuoco.it</a>
<b>Regional Directorate of the Basilicata Fire Brigade</b>	<b>Fixed Telephone Operating Room H24</b>	<b>+39 0971 609511</b>
	email	<a href="mailto:dir.salaop.basilicata@cert.vigilfuoco.it">dir.salaop.basilicata@cert.vigilfuoco.it</a>
Provincial Fire Brigade Power Command - Detachment of Villa d'Agri	Fixed Telephone	+39 0975 352005
	email	<a href="mailto:dist.pz04.villadagri@vigilfuoco.it">dist.pz04.villadagri@vigilfuoco.it</a>
Provincial Command Matera Fire Brigade	Fixed Telephone	+39 0835 338311
	email	<a href="mailto:com.matera@cert.vigilfuoco.it">com.matera@cert.vigilfuoco.it</a>

As part of the External Emergency Plan, the PZ Fire Brigade Command must be contacted by the ICP Cell, in the event of an emergency situation.

The official communication must be carried out through the Communication Models via PEC.

In particular:

- Attention State Activation: Model 1
- Incident reporting: Model 2

**In case of activation of the PEE, the PZ Fire Brigade** they coordinate technical rescue operations and fire extinguishing, defining. In carrying out the rescue action, they make use of all the company teams and technical bodies that may be useful for managing the intervention.



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**MUNICIPALITIES - MUNICIPAL SERVICES - Municipality of Corleto Perticara**

Contact center	Fixed Telephone	+39 0971 965711
Certified mail	email	<a href="mailto:comune.corleto@cert.ruparbasilicata.it">comune.corleto@cert.ruparbasilicata.it</a>
Common fax	fax	+39 0971 965717
<b>Mayor</b>	<b>Mobile Phone</b>	<b>+39 339 2535970</b>
<b>Municipal Civil Protection Manager</b>	Fixed Telephone	+39 0971 965701
	<b>Mobile Phone</b>	<b>+39 320 4217 263</b>
<b>Municipal police</b>	Fixed Telephone	+39 0971 965733
	<b>Mobile Phone</b>	<b>+39 329 3173 404</b>
	Fax	+39 0971 965717
	email	<a href="mailto:vincenzo.magaldi@pec.corleto.it">vincenzo.magaldi@pec.corleto.it</a>

**MUNICIPALITIES - MUNICIPAL SERVICES - Municipality of Guardia Perticara**

Contact center	Fixed Telephone	+39 0971 964004
Certified mail	email	<a href="mailto:comuneguardia@cert.ruparbasilicata.it">comuneguardia@cert.ruparbasilicata.it</a>
Common fax	fax	+39 0971 964003
<b>Mayor</b>	<b>Mobile Phone</b>	<b>+39 349 0879179</b>
<b>Municipal Civil Protection Manager</b>	Fixed Telephone	+39 0971 964004
	<b>Mobile Phone</b>	<b>+39 320 4217 242</b>
<b>Municipal police</b>	Fixed Telephone	<b>+39 320 4217 244</b>
	<b>Mobile Phone</b>	<a href="mailto:polizialocale@pec.comune.guardiaperticara.pz.it">polizialocale@pec.comune.guardiaperticara.pz.it</a>

**MUNICIPALITIES - MUNICIPAL SERVICES - Municipality of Gorgoglione**

Contact center	Fixed Telephone	+39 0835 560078
Certified mail	email	<a href="mailto:protocollo@pec.comune.gorgoglione.mt.it">protocollo@pec.comune.gorgoglione.mt.it</a>
Common fax	fax	+39 0971 965717
<b>Mayor</b>	<b>Mobile Phone.</b>	<b>+39 335 6478358</b>
<b>Responsabile Protezione Civile comunale</b>	<b>Mobile Phone</b>	<b>+39 345 6045 632</b>

As part of the External Emergency Plan, the Mayors of the municipalities (Corleto P., Guardia P and Gorgoglione) must be contacted by the ICP Cell, in the event of an emergency situation.

The official communication must be carried out through the Communication Models via PEC.

In particular:

- Attention State Activation: Model 1
- Incident reporting: Model 2

The Mayors of the neighbouring municipalities have, among the defined tasks, the task of informing the population about the accident and communicating the protection measures to be adopted to reduce the consequences through loudspeakers and / or telephone messages, sms and / or faxes, social media, and / or anything else deemed technically effective for the purpose.



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**ARPA BASILICATA**

<b>ARPAB</b>	<b>Fixed Telephone H24</b>	<b>+39 0971 656330</b>
	fax	+39 0971 601083
	email	<a href="mailto:protocollo@pec.arpab.it">protocollo@pec.arpab.it</a>

As part of the External Emergency Plan, ARPAB will be alerted by the Prefecture of Potenza. The ARPAB, under the coordination of the Prefecture and / or Fire Brigade, has the task of carrying out any assessment deemed necessary on the state of the environment in the area affected by the event, as well as chemical and / or physical analyses to evaluate the evolution of the emergency in the most critical areas.

**BASILICATA REGION**

<b>Regional Civil Protection Office</b>	<b>Fixed Telephone H24</b>	<b>+39 0971 668 400</b>
	email	<a href="mailto:ufficio.protezione.civile@certregione.basilicata.it">ufficio.protezione.civile@certregione.basilicata.it</a>
Toll-free number h24	<b>Fixed Telephone H24</b>	800 073 665
Operations Room Civil Protection Region	Fixed Telephone	+39 0971 668394
	Fixed Telephone	+39 0971 668463
	email	<a href="mailto:sala.operativa@regione.basilicata.it">sala.operativa@regione.basilicata.it</a> <a href="mailto:sor.basilicata@cert.regione.basilicata.it">sor.basilicata@cert.regione.basilicata.it</a>
Presidency of the Executive - Potenza Headquarters	Fixed Telephone	+39 0971 668136
	email	<a href="mailto:urppresidenza@regione.basilicata.it">urppresidenza@regione.basilicata.it</a>

As part of the External Emergency Plan the Basilicata Region (Civil Protection) must be contacted by the ICP Cell in case of an emergency situation. The official communication must be carried out through the Communication Models via PEC. In particular:

- Attention State Activation: Model 1
- Incident reporting: Model 2

The Civil Protection Office of the Basilicata Region participates in the coordination of intervention and rescue operations for the management of the emergency.

**PROVINCE**

<b>Potenza Province</b>	Fixed Telephone	+39 0971 417111
	email	<a href="mailto:protocollo@pec.provinciapotenza.it">protocollo@pec.provinciapotenza.it</a>

As part of the External Emergency Plan, the Province of Potenza will be alerted by the Prefecture of Potenza. The Province of PZ, under the coordination of the Prefecture and / or Fire Brigade, participates, if necessary, in the coordination activities of the intervention operations.



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UNMIG - Section Of NAPLES

<b>Toll-free number</b>	Fixed Telephone <b>H24</b>	<b>800 595812</b>
	Fixed Telephone	+39 081 551 0049
UNMIG Napoli	fax	+39 081 551 9460
	email	<a href="mailto:unmig.napoli@mise.gov.it">unmig.napoli@mise.gov.it</a>
		<a href="mailto:dgsunmig.div04@pec.mise.gov.it">dgsunmig.div04@pec.mise.gov.it</a>
Ingegnere Capo UNMIG Napoli – Ing. A. Vioto	Fixed Telephone	+39 081 5510049

INAIL

Basilicata Regional Directorate - local branch of Potenza	Fixed Telephone	+39 0971 606111
	email	<a href="mailto:potenza@inail.it">potenza@inail.it</a> <a href="mailto:potenza@postacert.inail.it">potenza@postacert.inail.it</a>
Territorial operational unit for certification, verification and research Potenza	Fixed Telephone	+39 0971 606111
	email	<a href="mailto:potenza-uotcivr@inail.it">potenza-uotcivr@inail.it</a> <a href="mailto:potenza-ricerca@postacert.inail.it">potenza-ricerca@postacert.inail.it</a>

INPS

POTENZA Provincial Directorate	Fixed Telephone	+39 0971 3351
	fax	+39 0971 1945829
	email	<a href="mailto:Direzione.potenza@inps.it">Direzione.potenza@inps.it</a> <a href="mailto:direzione.provinciale.potenza@postacert.inps.gov.it">direzione.provinciale.potenza@postacert.inps.gov.it</a>
URP Manager - Nicola AMOROSI	Fixed Telephone	+39 081 5510049

MATTM - Ministry of the Environment and the Protection of the Territory and the Sea

Ministry switchboard	Fixed Telephone	+39 0971 606111
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ASSOMINERARIA

Contact center	Fixed Telephone	+39 06 807 30 45
	fax	+39 06 807 33 85
	email	<a href="mailto:info@assomineraria.org">info@assomineraria.org</a>



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Hospitals, ASP

READY HEALTH INTERVENTION - DIRES 118		
<b>Single national telephone number</b>		<b>118</b>
DIRES 118 Basilicata - Potenza	Contact center	+39 0971 699 200
	fax	+39 0971 699 241
	email	<a href="mailto:dires@pec.118basilicata.it">dires@pec.118basilicata.it</a>
Emergency Department Address Potenza	Via Potito Petrone, 6, 85100 Potenza PZ	
Head Nurse First Aid Potenza	Fixed Telephone	+39 0971 613 655
Helicopter rescue 118 Potenza	Fixed Telephone	+39 0971 613 515
Villa d'Agri First Aid	Viale S. Pio da Pietrelcina, 85050 Villa d'Agri	
	Contact center	+39 0975 312111
	Fixed Telephone	+39 0975 352845
Policoro First Aid	Via Salerno, 75025 Policoro MT	
	Fixed Telephone	+39 0835 98 6312
	Fixed Telephone	+39 0835 986 444
Matera Policoro First Aid	Fixed Telephone	+39 0835 253212
Territorial Rescue Station 118 Corleto Perticara (Mon-Fri 20: 00-08: 00; Sat-Sun 24h)	Fixed Telephone	+39 0971 96 32 27
Poison Control Center Policlinico Umberto I	Fixed Telephone	+39 06 499 78 000

As part of the External Emergency Plan, DIRES 118 will be alerted by the Prefecture of Potenza. DIRES 118, under the coordination of the Prefecture and / or Fire Brigade:

- Send personnel to carry out urgent medical assistance
- Acquires the information necessary to identify drugs, antidotes, and equipment to counter the health effects of accidents.



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**RE****RESOURCES****HOSPITALS**

<b>San Carlo Hospital - Potenza</b>	Address	Via Potito Petrone - 85100 Potenza
	Fixed Telephone	+39 0971 611111
	Public relations office	+39 0971 612584
	Toll-free number	800 006 616
	Emergency Medicine	+39 0971 612 585
	Head nurse.	+39 0971 612 628
	email	<a href="mailto:aosancarlo@cert.ruparbasilicata.it">aosancarlo@cert.ruparbasilicata.it</a>
San Carlo Hospital - Villa d'Agri "San Pio da Pietrelcina Hospital"	Contact center	+39 0975 31211
San Carlo Hospital - Melfi	Contact center	+39 0972 773111
San Carlo Hospital - Lagonegro	Contact center	+39 0973 481111
Health Authority N ° 5 - Policoro	Fixed Telephone	+39 0835 986421
	Fixed Telephone	+39 0835 986402

As part of the External Emergency Plan, the San Carlo di Potenza Hospital will be alerted by the Prefecture of Potenza.  
The ASP, under the coordination of the Prefecture and / or Fire Brigade, arranges coordination at the San Carlo Hospital in Potenza in direct operation with the hospitals of Villa d'Agri, Lagonegro and Melfi

**PROVINCIAL HEALTH COMPANY**

ASP - Potenza	Contact center	+39 0971 310 111
	email	<a href="mailto:protocollo@pec.aspbasilicata.it">protocollo@pec.aspbasilicata.it</a>
ASM - Matera	Contact center	+39 0835 253111
	email	<a href="mailto:asmbasilicata@cert.ruparbasilicata.it">asmbasilicata@cert.ruparbasilicata.it</a>
Health District Livello II- Potenza	Fixed Telephone	+39 0971 269 24
Villa d'Agri Level II Health District	Fixed Telephone	+39 0975 3124 09

As part of the External Emergency Plan, the ASP will be alerted by the Prefecture of Potenza.  
The ASP, under the coordination of the Prefecture and / or Fire Brigade,

- They receive 118 news and data on the accident from the emergency service for the purpose of alerting the hospitals
- They provide, after consulting the other Health Authorities of the Region, the Province and the Municipalities, the data relating to the entities and the extent of the risk to public health.

**Transportation****CAR WITH DRIVER - SHUTTLE**

Rossano Leone NCC	Tel Mob.	+39 340 588 9360
	email	<a href="mailto:rossano.leone@tiscali.it">rossano.leone@tiscali.it</a>
Gambioli	Tel Mob.	+39 335 7069355
	Tel Mob.	+39 344 1807217

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## Environmental intervention

Note: refer to the Oil Spill Contingency Plan - IT – TPR – GE – SET – 000039.

SEMATAF	Mob. Phone (24/7)
Nicola Massari	+39 345 3633136
Luigi Melfi	+39 328 3908423
Valeria Guida	+39 342 7658285

## Neighboring Companies

Refer to the Annex of the EEP:

### **Annex 7 - Productive Activities Population Contacts - RESTRICTED**

A copy of Annex 7 PEE is available in the ICP Emergency Management Room of Guardia P.



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## RE2 - DESCRIPTION OF THE EMERGENCY EQUIPMENT

### FIRE FIGHTING WATER RESERVE



#### Water reserve - - water tank 40-TR-0101

Maximum operating capacity of 3206 m<sup>3</sup> of which 2517 m<sup>3</sup> useful.

The Water supply calculated is 624 m<sup>3</sup>/h

The capacity is equivalent to 4 hours of autonomy.

The tank is equipped with a heating system with electric heater to avoid freezing phenomena in the winter season.

### PUMPING STATION (main pumps: 2 x 50% + 1 x 100%)



#### Pressurization fire water pumps (jockey) (#2) (Datasheet: IT-TPR-40-EPC1-180038, IT-TPR-40-EPC1-381824)

##### 40-PA-0101 A/B

- Design absorbed power: 19,85 kW
- Project flow rate:32 m<sup>3</sup>/h
- Maximum Operating Flow:30 m<sup>3</sup>/h
- Maximum Operating Pressure:10,4 barg
- Maximum Design Pressure: 13.49 barg.
- Estimated shut off Pressure: 12.24 barg

Connected to the emergency diesel generator in the event of a general power failure.

#### Electric fire pump (#2)

##### 40-PA-0102 A/B (Datasheet: IT-TPR-40-EPC1-180036, IT-TPR-40-EPC1-381825)

- Design absorbed power: 122 kW
- Project flow: 315 m<sup>3</sup>/h
- Maximum Operating Capacity:312 m<sup>3</sup>/h
- Maximum Operating Pressure:10.4 barg
- Maximum Design Pressure:13.49 barg.
- Estimated shut off Pressure: 12.24 barg



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**Diesel Fire Pumps (#1)**

**40-PA-0102 C (Datasheet: IT-TPR-40-EPC1-180037, IT-TPR-40-EPC1-381826)**

- Design absorbed power: 402 kW
- Project flow: 630+20 m³/h
- Maximum Operating Capacity: 624 m³/h
- Maximum Operating Pressure: 10.4 barg
- Maximum Design Pressure: 13.47 barg.
- Estimated shut off Pressure: 12.22 barg
- Minimum diesel autonomy: 12 ore



**Electric pumps for emergency water injection in storage tanks (#1)**

**40-PA-0103 (Datasheet: IT-TPR-40-EPC1-180039, IT-TPR-40-EPC1-381827)**

- Design absorbed power: 40.19 kW
- Project flow: 42 m³/h
- Maximum Operating Capacity: 40 m³/h
- Maximum Operating Pressure: 13.30 barg
- Maximum Design Pressure: 16.94 barg.
- Estimated shut off Pressure: 15.69 barg



**Fire Pumps Building:**

- Fire resistance walls: REI 120
- Overpressure Resistance: Ductility Level Blast DLB = 0,18 barg, duration = 30 ms



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NETWORK HYDRANTS, MONITORS AND CONNECTIONS



Water monitor / hydrant

- Hydrant body size: 6" (DN 150).
- Each hydrant is equipped with:
  - two 2 ½ " diameter (DN 70) fittings for the hose,
  - a 4" diameter (DN 100) fitting for the fire truck
  - a 4" diameter flange for connecting the monitor
- Flow rate: 120 m<sup>3</sup>/h a 7 barg,
- Rotation angle: 360°
- Elevation angle: 80° up and 45° down
- Horizontal operating range
  - with full jet: at least 40 meters
  - with spray jet: 30 meters

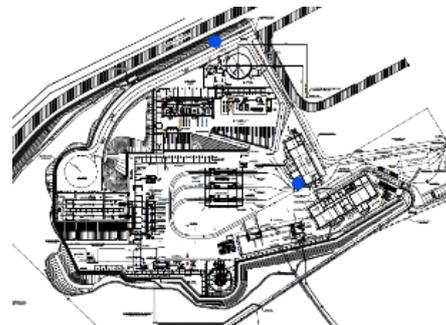


Fire hydrants and hoses

- Each hydrant is equipped with:
- two 2 ½ "diameter (DN 70) fittings for the hose
  - a 4" diameter (DN 100) fitting for the fire truck
  - a 4 "diameter flange for connecting the monitors, where necessary (e.g., Wheeled monitors)
  - Hose length: 30 m



VVF and flushing connections (2)



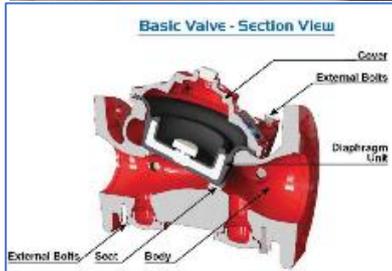


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WATER DELUGE SYSTEM



**Deluge water system - Deluge activation valve**

- Model Bermad FP-400Y "Torrent"
- Automatic activation by fire detection (fusible plugs)
- Control room activation (F&G matrix panel)
- Field activation with blue button
  
- Field activation with manual valve (trim valve).



**Deluge water system - Field deluge activation buttons**



**Deluge water system - nozzle section and fusible plugs**

Maximum Deluge flow rate: 589,2 m<sup>3</sup>/h.



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## RESOURCES

### FOAM SYSTEMS



#### High expansion foam distributors for GPL units (zona A, zona B).

- High expansion foam type AFFF-AR 3%
- Automatic activation on flame detection (voting 2oo2)
- Activation from CCR (F&G Matrix Panel)
- The discharge into the pit has a duration of 18 seconds

### GAS SATURATION SYSTEM - INERGEN



#### Gas saturation extinguishing systems

- Automatic activation upon detection of 2ooN smoke detectors in the protected rooms.
- Manual activation with device near the main entrance and exits.
- The gas used as an extinguishing medium is IG541 - 52% N2 - 40% Ar- 8% CO2 (commonly known as Inergen).
- There is a pre-discharge alarm and a delay in the start of the discharge in order to prevent exposure to the gas.

Technical Building: TER-S3 (false floor is present), Instrument Technical Room (false floor is present), UPS Room (false floor is present), Battery Room

Electrical Substation: Switchgear Room, Cable Cellar, Battery Room



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**EXTINGUISHERS**



**12 kg powder fire extinguishers**



**Fire extinguishers 50 kg powder**



**CO2 fire extinguishers**



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## RESOURCES

### MOBILE FIRE-FIGHTING VEHICLES



#### Mobile fire truck (pick up)

- Water reserve equal to 370 litres and a reserve of foaming agent equal to 30 litres.
- Equipped with a 50 m long DN12 hose



#### Triple effect wheeled monitors with predisposition for foaming agent

- ➔ n. 5 special fire hoses for massive use in industrial buildings and chemical plants (UNI 70) - 30 meters
- ➔ n. 4 three-way dividers (UNI 70)
- ➔ n. 4 wheeled monitors
- ➔ low rate: 120 m<sup>3</sup> / h @ 7 bar
- ➔ jet: maximum 60 m at nominal range (full jet)
- ➔ suitable for use with foam
- ➔ supply connection DN 100
- ➔ n. 5 "standard" fire hoses (UNI 70)
- ➔ n. 5 fire lances with adjustable jet
- ➔ n. 1 two-way divider (UNI 70)

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## RE3 - INVENTORY OF INTERVENTION MATERIAL FOR OIL SPILLING

IT – TPR – GE – SET – 000039 - Tempa Rossa Oil Spill Contingency Plan.

<http://wat.corp.local/sites/s485/en-US/Pages/Sistema-Gestione-della-Sicurezza-Seveso.aspx>