

SECTION 1.0 EMERGENCY LEVELS

To appropriately respond to an emergency situation, it is critical to first assess and define what level of emergency you are at and the appropriate responses. This section outlines each level of emergency considering risk, control, containment, impact on public safety and the environment. Possible response activities are also outlined here. However, for detailed responder duties please refer to Section 2.0.

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1.0 EMERGENCY LEVELS

1.1 Emergency Definition

An emergency will be considered as any operational incident/accident, or event resulting in, or having the potential to result in injury, loss of life, pose a threat to the safety of the general public, or a situation that may cause environmental damage or significant loss or damage to company or personal property. Examples include:

- An accident, including vehicle, which results in or could result in loss of life, injury or property damage.
- Plant, pipeline and facility fires, explosions, ruptures or blowouts.
- Major damage to company property or equipment.
- Significant hazardous product releases or other chemical spills which may be harmful to personnel or the environment, including toxic gas releases or leaks (e.g.: H₂S or SO₂).
- Security related incidents involving issues such as extortion, bomb threats or acts of vandalism.
- Hostage taking/ransom situations.
- Natural occurrences such as severe weather conditions including: earthquakes, floods, forest fires and tornadoes.
- Business interruptions involving loss of process or product.
- Third party or public involvement.

1.2 Emergency Criteria

All incidents are classified as either an Alert or an Emergency (Level 1, 2, or 3). Incidents that can be handled on-site through normal operating procedures are typically defined as alerts, while those with a more complex resolution are usually defined as emergencies. *Table 1.1 – Emergency Criteria Matrix and Response* considers the risk, control, containment, and impact on safety and the environment in arriving at a classification. Elmworth will declare a level of emergency when one or more of the control, containment, and impact criteria are met.

Table 1.1 – Emergency Criteria Matrix and Response

		LEVEL OF EMERGENCY		
		Level 1: Low	Level 2: Medium	Level 3: High
Alert	Immediate control of hazard, with progressive resolution of the situation.	Immediate control of hazard is becoming progressively more complex because of deteriorating conditions.	Imminent and/or intermittent control of the hazard is possible.	Imminent control of the hazard is not possible.
	Control and relief systems functioning correctly.	Control and relief systems functioning correctly.	Some control and/or relief systems not operational.	Key control and relief systems not operational.
	Public/Worker: On-site only	Public/Worker: On-site, with possible impact off-site.	Public/Worker: On-site, with possible impact off-site.	Public/Worker: Potential for public safety to be jeopardized.
	Environment: On-site only	Environment: On-site, with some potential off-site. Minor or short term.	Environment: On-site, with some potential off-site. Minor or short term.	Environment: On-site, with significant off-site. Long term.
	<ul style="list-style-type: none"> Minor fire, property damage or accident/injury on location that can be contained, repaired and/or replaced by on-site equipment and personnel. 	<ul style="list-style-type: none"> Minor spill or fire contained to property boundaries. Off-site odor complaints. Down-hole mechanical problems during servicing of well. Significant controlled well kick. 	<ul style="list-style-type: none"> Fire, explosions or product release/spill which has the potential to endanger the safety of personnel, reach outside of property, or cause damage to property and equipment. 	<ul style="list-style-type: none"> Major fire or explosion. Uncontrolled spill or hazardous product release. Accident resulting in fatality; life-threatening injury; major loss.
	<ul style="list-style-type: none"> Assess the situation and declare an Alert. Notify On-Site Supervisor. (Notification of the Corporate Emergency Response Team is discretionary, depending on company policy.) Notify EUB Field Centre and local authority, if required, or if public is contacted. Take all reasonable steps to control, isolate and minimize the incident. Place additional personnel and equipment on standby, if required. 	<ul style="list-style-type: none"> Assess the situation, declare a Level 1 Emergency. Notify the On-Site Supervisor, who will activate the CERP and initiate the notification of the Corporate Emergency Response Team. Notify EUB Field Centre and local authority. Establish the On-Site Command Post, Off-Site Command Centre, and Evacuation Reception Centre. In an H₂S and other toxic gas related incident, alert all occupants of the EPZ to the emergency situation. Don the appropriate personal protective equipment and take action to prevent further injuries, environmental damage and loss of equipment. Provide first aid to the injured and request local medical services, as required. Place on-call and off-duty personnel, equipment and industry support services on standby, if required. 	<ul style="list-style-type: none"> Assess the situation, declare a Level 2 Emergency. Perform Level 1 activities, if not completed. Notify the EUB Field Centre and local authority, advising of the change in emergency level. Begin evacuation or sheltering of the occupants within the EPZ, if applicable. Prepare for well ignition. Mobilize industry support services (fire fighters, mobile air monitoring, oil spill co-op, safety services), as required. Mobilize on-call and off-duty personnel, as required. 	<ul style="list-style-type: none"> Assess the situation, declare a Level 1 Emergency. Perform Level 1 and 2 activities, if not completed. Notify the EUB Field Centre and local authority, advising of the change in emergency level. Request assistance from government agencies and external support services, as required. Begin/continue evacuation or sheltering of the occupants within the EPZ. Ignite the uncontrolled gas release if ignition criteria are met. Mobilize on-call and off-duty personnel, as required, if not previously completed. Mobilize industry support services, as required, if not previously completed.

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SECTION 2.0 ROLES AND RESPONSIBILITIES

For effective emergency response, it is essential to know and understand your role as a responder. This section outlines the communication structure between key responders, and the responsibilities of each responder. This section is designed to be "pulled out" of the manual, and duties "checked off" as they are completed. You may be required to complete a duty several times during the emergency event, or a duty from a previous level of emergency.

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