

BURNABY REFINERY INCIDENT CLASSIFICATION DESCRIPTIONS

VERSION #4

LEVEL 1

Anticipated / planned activities or events with no anticipated external impact or potential to escalate. A minor event which is easily managed by plant personnel. Examples include:

1. An anticipated level of incremental activity, for example alarm testing, major incident response training exercises or unusual increases in traffic volumes due to on-site activity.
2. Notification of planned/controlled shut-downs or repair and maintenance work of an extraordinary nature.
3. Notification of un-planned shutdowns due to power failures or other factors that result in temporary and/or minor upsets of operating units.
4. Elevated level of flaring activity that may be visible beyond refinery with no visible smoke and that is expected to persist for 30 minutes or more.
5. A continuous or persistent noise that is noticeable to local residents caused by unusual operating conditions.

For Level 1, communication with BFD, RCMP, City of Burnaby, Metro Vancouver, FHA, BC Ministry of Environment, Environment Canada is of an advisory and pro-active nature to assist in addressing potential concerns and questions from nearby residents and other external stakeholders.

LEVEL 2

An incident that requires external reporting or notification to government / regulatory agencies. Examples include:

1. Reportable Release that does not involve outside emergency response organizations, OR
2. Reportable Worksafe BC Event, OR
3. Reportable Metro Vancouver Event, OR
4. Reportable Vancouver Port Authority Event

In addition, a Level 2 event includes any MODERATE level event with some level of off-site impact which may require some degree of structured, on-site response involving selected IRT resources. Examples include:

- a) Releases to the air resulting in the potential for or actual, wide-spread off-site odours for a *significant* period of time or receipt of *numerous* and confirmed odour-related complaints received by Chevron over a short duration. (*Assessment factors to include frequency & number of complaints, duration of odour occurrence, current plant status and current weather conditions.*)
- b) Visible fire and/or smoke plume over an extended period of time - not steam and not resulting from fire or safety training exercises.
- c) Fluid Catalytic Cracker (FCC) Catalyst release beyond permitted maximum stack opacity levels for an extended period of time that may result in the detectable deposition of catalyst dust in neighbourhoods surrounding the refinery.

Communication may be by fax, e-mail, refinery public website, activation of 24/7 incident information telephone system, residential letter drop and or direct contact to inform, advise and provide further details as they become available.

LEVEL 3

A major event requires activation of CCL ERT and may involve some contracted response resources. Communication is part of fully integrated unified command structure and cooperative emergency response plan.

1. Reportable Release that involves a response by non-Chevron emergency response organizations.
OR
2. Any incident with major on-site impact and events with significant existing or potential for off-site impact.
Examples:
 - a) Releases to air resulting in the potential for, or actual, wide spread physical effects to the off-site public (effects such as dizziness, headaches, nose, mouth or eye irritation, burning, nausea or vomiting).
 - b) Explosion causing on-site and/or off-site damage.
 - c) Major fire and smoke plume (not steam and not including fire or safety training exercises).