
“SAFETY- RELATED CONDITION”**DOT PLANT PIPELINE PROCEDURE**

1.0 Purpose:

To provide a consistent instruction reporting plan and a course of action to take when a “Safety-Related Condition” exists on a DOT regulated pipeline.

2.0 Scope:

This procedures covers the identification of a Safety-Related Condition and reporting procedures to appropriate government entities.

3.0 Reference:

DOT Regulations 49 CFR 192.23 Reporting Safety-Related Conditions, 49 CFR 192.25 Filing Safety-Related Conditions Reports, 49 CFR 195.55 Reporting Safety-Related Conditions and 49 CFR 195.56 Filing Safety-Related Conditions Reports.

4.0 Reporting Deadlines:

Each report of a safety-related condition must be filed (received by the Administrator) in writing within 5 working days (not including Saturdays, Sundays, or Federal Holidays) after the day a representative of ESI or a contractor working for ESI first determines that the condition exists, but not later than 10 working days after the day of discovery. Separate conditions may be described in a single report if they are closely related. Form DOT-008 Safety Related Condition Report should be used when filing a safety-related condition report. (See attachment) To file a report by telefacsimile (fax), dial (202) 366-7128.

Approved: _____ **Signature on File** _____ **Date:** _____
Manager Safety, Health, and Environmental

Approved: _____ **Signature on File** _____ **Date:** _____
Environmental Manager

5.0 Definitions:

“Gas” - means natural gas, flammable gas, or gas which is toxic or corrosive.

“Hazardous liquids” - means petroleum, petroleum products, or anhydrous ammonia.

“Highly volatile liquid or HVL” - means a hazardous liquid which will form a vapor cloud when released to the atmosphere and which has a vapor pressure exceeding 276 kPa (40 psia) at 37.8° C (100° F).

“Incident” - means any of the following events:

- (1) An event that involves a release of gas from a pipeline or of liquefied natural gas or gas from an LNG facility and
 - (i) A death, or personal injury necessitating in-patient hospitalization; or,
 - (ii) Estimated property damage, including cost of gas lost, of the operator or others, or both, of \$50,000 or more.
- (2) An event that results in an emergency shutdown of an LNG facility.
- (3) An event that is significant, in the judgment of the operator, even though it did not meet the criteria of paragraphs (1) or (2).

“Maximum allowable operating pressure” (MAOP) - means the maximum pressure at which a pipeline or segment of a pipeline may be operated under Part 192.

“Petroleum” - means crude oil, condensate, natural gasoline, natural gas liquids, and liquefied petroleum gas.

“Petroleum Product” - means flammable, toxic, or corrosive products obtained from distilling and processing of crude oil, unfinished oils, natural gas liquids, blend stocks and other miscellaneous hydrocarbon compounds.

“SMYS” means specified minimum yield strength is:

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- (1) For steel pipe manufactured in accordance with a listed specification, the yield strength specified as a minimum in that specification; or
- (2) For steel pipe manufactured in accordance with an unknown or unlisted specification, the yield strength determined in accordance with § 192.107(b).

"Stress level" means the level of tangential or hoop stress, usually expressed as a percentage of specified minimum yield strength.

5.0 Procedure:

5.0.1 A Safety-Related Condition report shall be filled out for the following:

5.0.1.1 General corrosion has reduced the wall thickness to less than that required for the maximum allowable operating pressure, and localized pitting to a degree where leakage might result on DOT regulated liquid pipelines, and DOT regulated gas pipelines (other than a LNG facility) that operate at a hoop stress of 20 percent or more of its specified minimum yield strength.

5.0.1.2 Unintended movement or abnormal loading by environmental causes, such as an earthquake, landslide, or flood, that impairs the serviceability of a pipeline.

5.0.1.3 Any material defect or physical damage that impairs the serviceability of a DOT regulated liquid pipeline or a DOT regulated gas pipeline that operate at a hoop stress of 20 percent or more of its specified minimum yield strength.

5.0.1.4 Any malfunction or operating error that causes the pressure of a DOT regulated liquid pipeline to rise above 110 percent of its maximum operating pressure.

5.0.1.5 Any malfunction or operating error that causes the pressure of a DOT regulated gas pipeline to rise above its maximum operating pressure plus the build-up allowed for operation of pressure limiting or

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control devices.

- 5.0.1.6** A leak in a DOT regulated pipeline that constitutes an emergency. (An emergency is considered an immediate threat to human health, environment and/or property.)
- 5.0.1.7** Any safety-related condition that could lead to an imminent hazard and causes (either directly or indirectly by remedial action of ESI or an agent representing ESI), for purposes other than abandonment, a 20 percent or more reduction in operating pressure or shutdown of operation of a DOT regulated pipeline.
- 5.0.2** A safety-related condition report is not required for any safety-related condition that meets the following:
- 5.0.2.1** Is an incident or results in an incident on a regulated gas pipeline before the deadline for filing the safety-related condition report;
- 5.0.2.2** Exists on pipeline that is more than 220 yards from any building intended for human occupancy or outdoor place of assembly, except that reports are required for conditions within the right-of-way of an active railroad, paved road, street, or highway, or that occur offshore or at onshore locations where a loss of hazardous liquid could reasonably be expected to pollute any stream, river, lake, reservoir, or other body of water;
- 5.0.2.3** Is an accident that is required to be reported under CFR 49 §195.50 for a regulated liquid pipeline or results in such an accident before the deadline for filing the safety-related condition report; or
- 5.0.2.4** Is corrected by repair or replacement in accordance with applicable safety standards before the deadline for filing the safety-related condition report, except that reports are required for conditions under section 5.0.1 of this procedure other than localized corrosion pitting on an effectively coated and cathodically protected pipeline.
- 5.0.3** When filing a safety-related condition report, the following information must be provided (See form DOT-008 Safety Related Condition Report):

- 5.0.3.1** ESI
- 5.0.3.2** Date of report
- 5.0.3.3** Name, job title, and business telephone number of person submitting the report.
- 5.0.3.4** Name, job title, and business telephone number of person who determined that the condition exists.
- 5.0.3.5** Date condition was discovered and date condition was first determined to exist.
- 5.0.3.6** Location of condition, with reference to the State (and town, city, or county) or offshore platform, survey station number, milepost, landmark, or name of pipeline.
- 5.0.3.7** Description of the condition, including circumstances leading to its discovery, any significant effects of the condition on safety, and the name of the commodity transported or stored.
- 5.0.3.8** The corrective action taken (including reduction of pressure or shutdown) before the report is submitted and the planned follow-up or future corrective action, including the anticipated schedule for starting and concluding such action.

ESI
SAFETY-RELATED CONDITION REPORT

FROM:**TO:****TO:**

"SAFETY- RELATED CONDITION"**DOT PLANT PIPELINE PROCEDURE**

ESI

PIPELINE DIVISION

INFORMATION RESOURCES MANAGER

Person Submitting Report:

Name _____

Job Title _____

Address _____

Business Telephone Number _____

Person Who Determined the Condition Exists:

Name _____

Job Title _____

Address _____

Business Telephone Number _____

Date That Condition Was Discovered: _____

Date That Condition Was Determined to be Safety-Related: _____

Location of Condition (Address, Landmark, Station, etc.) : _____

Description of Condition Including Circumstances Leading to its Discovery and Significant Effects
on Safety: _____

Corrective Action Taken (Schedule of Anticipated Corrective and Concluding Actions): _____

form: DOT-008