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602. GENERAL

(3) Any accident or natural event that results in an injury to a member of the general public that requires medical treatment.

- d. Initial notification from the operator of a reportable safety event described in c.(1) -(4) above, must occur as soon as practicable, but no more than 6 hours after the safety event. An Accident Report, Form 22, must be submitted to the Director within 3-days of the accident or natural event.

605. OIL AND GAS FACILITIES AND PIPELINES.

1101. REGISTRATION REQUIREMENTS

1101.a. Off-Location Flowline Registration.

- (1) An operator must register an off-location flowline by submitting a Flowline Report, Form 44, to the Director within 30 days after completing construction of the flowline. An off-location flowline in existence prior to ~~February 14, 2018~~ March 1, 2018, must be registered by January 1, 2019, and include the information below to the extent known by the operator. An off-location flowline registered as part of a produced water transfer system is not subject to this requirement.

1101.b. Domestic Tap Registration.

- (1) ~~Within~~ 30-days of installation or discovery of a domestic tap connected to the operator's flowline, an operator must submit a Flowline Report, Form 44, to the Director to register the tap. Operators must register known domestic taps that were installed prior to ~~February 14, 2018~~ March 1, 2018, by submitting a Flowline Report, Form 44, to the Director on or before January 1, 2019. The registration must include the latitude and longitude of the flowline or wellhead connection for the domestic tap and the street address of the point of delivery.
- (2) For domestic taps installed after ~~February 14, 2018~~ March 1, 2018, an operator must register the domestic tap pursuant to subpart (1) and ensure:

1101.c. Crude Oil Transfer Line and Produced Water Transfer System Registration.

- (1) **Registration.** At least 30 days before beginning construction of a crude oil transfer line or produced water transfer system, an operator must register it by submitting a Flowline Report, Form 44, to the Director that includes a layout drawing showing its route, including its crossings of public by-ways, road crossings, sensitive wildlife habitats, sensitive areas and natural and manmade watercourses and the surrounding topography. For a crude oil transfer line or produced water transfer system constructed before ~~February 14, 2018~~ March 1, 2018, the operator must register it by submitting a Flowline Report, Form 44, to the Director by January 1, 2019, that includes the information specified in section (2), below, to the extent known by the operator.
- (2) **As-built Specifications.** For a crude oil transfer line or produced water transfer system placed into service after ~~February 14, 2018~~ March 1, 2018, the operator must submit a Flowline Report, Form 44, within 30 days of placing it into service to include the following information:
- A. A layout drawing of the facility that shows the surrounding topography, location of all associated above-ground equipment and the pipeline centerline from the point of origin to the termination point;

1102.b. Applicable Technical Standards. Each component of a flowline or crude oil transfer line installed

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or repaired after ~~February 14, 2018~~ **March 1, 2018**, must meet one of the following standards appropriate for the component:

1102.h. **Inspection.** A crude oil transfer line constructed after ~~February 14, 2018~~ **March 1, 2018**, must be inspected by a third-party inspector before being placed into service. The third-party inspector must be trained in the installation of crude oil transfer lines. The operator must maintain inspection records, including at a minimum:

1102.i. **Maintenance.**

- (1) Whenever an operator discovers any condition that could adversely affect the safe and proper operation of a flowline or crude oil transfer line, the operator must correct the condition ~~within a reasonable time as soon as possible~~. However, if the condition presents an immediate hazard to persons or property, the operator may not operate the affected segment until the operator has corrected the condition.

1102.j. **Repair.**

- (2) An operator may not use any pipe, valve, or fitting to repair a flowline or crude oil transfer line unless the component meets the installation requirements of the 1100 Series rules for the repaired segment. For a flowline or crude oil transfer line installed prior to ~~February 14, 2018~~ **March 1, 2018** that undergoes a major modification or change in service after ~~February 14, 2018~~ **March 1, 2018**, the segment repaired must satisfy all applicable requirements of the 1100 Series rules before an operator can return the flowline or crude oil transfer line to service.

1103.c. For all flowlines or crude oil transfer lines constructed after ~~February 14, 2018~~ **March 1, 2018**, an isolation valve must be installed at each of the following locations before operation:

- (3) At locations along a flowline or crude oil transfer line that will minimize the likelihood ~~of~~ of damage or pollution from accidental discharge of hydrocarbons or E&P Waste, as appropriate for the terrain in open country or for populated areas;

1103.d. Flowlines and crude oil transfer lines constructed before ~~February 14, 2018~~ **March 1, 2018**, must be retrofitted with isolation valves at each of the locations identified in c.(1)-(5) by January 1, 2019.

1104. INTEGRITY MANAGEMENT

1104.a. **Initial Pressure Testing Requirements.** Prior to operating any newly installed segment of flowline or crude oil transfer line, an operator must test the line to at least maximum anticipated operating pressure and demonstrate integrity. In conducting tests, each operator must ensure that reasonable precautions are taken to protect its employees and the general public. The operator may use a hydrostatic test or conduct the test using wellhead pressure sources and well bore fluids, including gas, in accordance with **one of** the applicable standards ~~set forth in Section 1104.h.(1).listed~~ below.

1104.e. **Integrity Management for any on location Flowlines.**

(1) Any flowlines not subject to c. or d. above, must adhere to one of the following integrity management programs:

~~(1)~~ A. A pressure test **conducted** every three years **in accordance with Section 1104.h.(2) below,** and **an** annual AVO inspection;

~~(2)~~ B. Smart pigging conducted every three years; or

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~~(3)~~ C. Continuous pressure monitoring.

(2) If an operator elects to use smart pigging to comply with this section, the smart pig must be able to measure flowline wall thickness, and measure for flowline defects that could affect integrity, including measurement of metal loss.

1104.f. **Off-Location Flowlines and Crude Oil Transfer Lines.**

(1) Off-location flowlines and crude oil transfer lines must adhere to one of the following integrity management programs:

~~(4)~~ A. Annual pressure testing ~~conducted in accordance with Section 1104.h.(2) below;~~

~~(2)~~ B. Continuous pressure monitoring;

~~(3)~~ C. Smart pigging conducted every three years; or

~~(4)~~ D. For above-ground lines, annual AVO inspection.

(2) If an operator elects to use smart pigging to comply with this section, the smart pig must be able to measure flowline wall thickness, and measure for flowline defects that could affect integrity, including measurement of metal loss.

1104.h. **Pressure Test Requirements.**

(1) **Initial Pressure Test.**

A. For flowlines and Crude Oil Transfer Lines installed after ~~February 14, 2018~~ **March 1, 2018**, the initial ~~A~~ pressure test must be conducted in accordance with the provisions of one of the following applicable standards:

- i. American Society of Mechanical Engineers (ASME), Process Piping, 2016 Edition (ASME 31.3-2016) and no later edition;
- ii. ASME Pipeline Transportation Systems for Liquids and Slurries, 2016 Edition (ASME B31.4-2016) and no later edition;
- iii. ASME Gas Transmission and Distribution Piping Systems, 2016 Edition (ASME B31.8-2016) and no later edition;
- iv. API Specification 15S, Spoolable Reinforced Plastic Line Pipe, Second Edition, March 2016 (API Specification 15S) and no later edition;
- v. API Specification 15LR (R2013), Low Pressure Fiberglass Line Pipe and Fittings, Seventh Edition, August 2001 (API Specification 15LR) and no later edition;
- vi. API RP 1110, Recommended Practice for the Pressure Testing of Steel Pipelines for the Transportation of Gas, Petroleum Gas, Hazardous Liquids, Highly Volatile Liquids or Carbon Dioxide (6th Ed., February 1, 2013) (API RP 1110) and no later edition, or
- vii. ASTM F2164-13, Standard Practice for Field Leak Testing of Polyethylene (PE) and Crosslinked Polyethylene (PEX) Pressure Piping Systems Using Hydrostatic Pressure, or manufacturer's recommendations and must test the line to at least

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maximum anticipated operating pressure.

(2) ~~Annual and Triennial Pressure Testing Requirements. For annual or triennial pressure tests conducted to meet the requirements of Sections 1104.e and 1104.f. For Flowlines and Crude Oil Transfer Lines installed before February 14, 2018:~~

1104.i. **Continuous Pressure Monitoring Requirements.** An operator's continuous pressure monitoring program must ensure:

- (1) Pressure data are monitored continuously, i.e., 24 hours per day and 7 days a week, and the monitoring is sufficiently sophisticated to identify flowline or crude oil transfer line integrity or pressure anomalies;
- (2) Systems are capable of being shut-in for repairs immediately upon discovery of a suspected leak, either through automation or a documented, manual process; and
- (3) The operator documents the continuous monitoring program, including suspected or identified integrity failures and how the operator will maintain and repair flowlines or crude oil transfer lines.; and

~~(4) A mapThe operator maintains a geodatabase in the North American Datum of 1983 (NAD 83) of the flowlines or crude oil transfer lines subject to the operator's continuous pressure monitoring program. The geodatabase must include the flowline or crude oil transfer line alignments, location of isolation valves, and pressure monitoring points.~~

313B. COGCC Form 12. GAS GATHERING SYSTEMS, PROCESSING OR STORAGE FACILITY REGISTRATION/CHANGE OF OPERATOR

a. At least 30 days prior to placing a new gas gathering system, a new gas compressor station, a new gas processing plant, or a new underground gas storage facility into service, an operator must submit a Gas Facility Registration, Form 12. The following information must be included:

~~a-~~ c. Within 30 days of making a substantive change to an existing, registered gas gathering system, gas compressor station, gas processing plant, or underground gas storage facility, the operator must submit a Gas Facility Registration, Form 12 to update the facility data. Substantive changes include, but are not limited to, a change in facility status and adding or removing an above-ground appurtenance of the system.

b. The operator of an unregistered gas gathering system, gas compressor, gas processing plant, or underground gas storage facility existing prior to ~~February 14, 2018~~ March 1, 2018, must submit a Form 12 – Registration no later than January 1, 2019.

The operator of a registered gas gathering system, gas compressor, gas processing plant, or underground gas storage facility existing prior to ~~February 14, 2018~~ March 1, 2018, must submit a Gas Facility Registration, Form 12 no later than January 1, 2019 that includes the information specified in Section a.(1) – (6) above.