2018 Flowline Rule and the New Flowline Report, Form 44

March 1, 2018
Flowline Rules

DEFINITIONS (100 Series)

FLOWLINE REGULATIONS (1100 Series)

1101. Registration Requirements (Form 44)
1102. Flowline and Crude Oil Transfer Line Requirements
1103. Flowline and Crude Oil Transfer Line Valves
1104. Integrity Management
1104.k. Gas Leak Reporting (Form 44)
1105. Abandonment (Form 44)
Types of lines to be registered:

- Off-Location Flowline,
- Crude Oil Transfer Line,
- Produced Water Transfer System, and
- Domestic Taps
Form 44 Registration

Registration is required:

1. For new construction after May 1, 2018
2. For lines existing prior to May 1, 2018, by October 1, 2019

- Off Location Flowlines
- Domestic Taps
- Crude Oil Transfer Lines
- Produced Water Transfer Systems
## Form 44 Registration Elements

<table>
<thead>
<tr>
<th>Registration includes:</th>
<th>Off-Location Flowline</th>
<th>Crude Oil Transfer Line &amp; Produced Water Transfer Systems</th>
<th>Domestic Tap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-construction registration</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Post-construction registration</td>
<td>Yes</td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Location and markings

<table>
<thead>
<tr>
<th>Details</th>
<th>Off-Location Flowline</th>
<th>Crude Oil Transfer Line &amp; Produced Water Transfer Systems</th>
<th>Domestic Tap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lines existing prior to May 1, 2018: Riser latitude &amp; longitude</td>
<td>Layout drawing</td>
<td>Geodatabase file</td>
<td>Tap latitude &amp; longitude tap Street address of delivery point</td>
</tr>
<tr>
<td>Post May 1, 2018: Geodatabase</td>
<td>Layout drawing</td>
<td></td>
<td>Tracer line or location device</td>
</tr>
</tbody>
</table>

### Additional required information

<table>
<thead>
<tr>
<th>Details</th>
<th>Off-Location Flowline</th>
<th>Crude Oil Transfer Line &amp; Produced Water Transfer Systems</th>
<th>Domestic Tap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify and describe the starting and ending oil and gas locations</td>
<td></td>
<td>Corrosion protection, Integrity management system, Description of the construction method</td>
<td>Installed by a licensed plumber and Odorize until abandonment</td>
</tr>
</tbody>
</table>
1102. FLOWLINE AND CRUDE OIL TRANSFER LINE REQUIREMENTS

a. Material
b. Applicable Technical Standards
c. Design
d. Installation
e. Cover
f. Top Soil & Reclamation
g. Marking
h. Inspection
i. Maintenance
j. Repair
k. Operating Requirements
l. Corrosion Control
m. Record Keeping
n. One Call Participation
o. Notification of Lines not in Service
1104 INTEGRITY MANAGEMENT

a. Initial Pressure Testing Requirements.
b. Testing upon request.
c. Below-ground Dump Lines.
d. Above-ground Flowlines on a location.
e. Integrity Management for any on location Flowlines.
f. Off-Location Flowlines and Crude Oil Transfer Lines.
g. Leak protection, detection, and monitoring.
h. Pressure Test Requirements.
i. Continuous Pressure Monitoring Requirements.
j. Audio, Visual and Olfactory (AVO) Inspection Requirements.
k. Gas Leak Reporting.
Operator must choose and implement 1 of the listed test methods for each type of line.

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Dump Lines</th>
<th>On Location Flowlines</th>
<th>Off Location Flowlines</th>
<th>Crude Oil Transfer Line</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Below Ground</td>
<td>Above Ground</td>
<td>Produced Water Line</td>
</tr>
<tr>
<td>Audio, Visual, Olfactory (AVO)</td>
<td></td>
<td>monthly AVO &amp; annual static head test</td>
<td>monthly</td>
<td>Annually for above ground lines</td>
</tr>
<tr>
<td>Instrument monitoring conducted pursuant to Rule 1104.j.(2)</td>
<td></td>
<td>Annually</td>
<td></td>
<td>Annually</td>
</tr>
<tr>
<td>Pressure test</td>
<td></td>
<td>every 3-years</td>
<td></td>
<td>Annually</td>
</tr>
<tr>
<td>Smart pig inspection every 3-years</td>
<td></td>
<td>Yes</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Continuous Pressure Monitoring</td>
<td></td>
<td>Yes</td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>
1105. ABANDONMENT

A line is considered active until fully abandoned. When a line is not in active use, lockout or tagout.

For abandonment, operators must physically separate the line from all sources of fluids and pressure and may choose

- Abandonment in place or
- Removal

Form 44 to be submitted 30-days after abandonment with report provided to LGD and UNCC
Gas Leak Reporting by Form 44

Reporting is required for Grade 1 Gas Leaks after May 1, 2018

1. Grade 1 Gas Leak Report (Initial)
2. Grade 1 Gas Leak Report (Supplemental)
Form 44
# Form 44 Implementation

## Form 44 Estimated Implementation Schedule

<table>
<thead>
<tr>
<th>Task</th>
<th>Date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conceptual Form 44 creation</td>
<td>Friday, December 1, 2017</td>
<td>Complete</td>
</tr>
<tr>
<td>Preliminary Form 44 creation</td>
<td>Monday, January 1, 2018</td>
<td>Complete</td>
</tr>
<tr>
<td>Alpha testing Form 44 - Internal testing</td>
<td>Monday, January 29, 2018</td>
<td>Complete</td>
</tr>
<tr>
<td>Beta testing Form 44 - External testing</td>
<td>Monday, February 26, 2018</td>
<td>Scheduled</td>
</tr>
<tr>
<td>Form 44 initial training</td>
<td>Wednesday, March 21, 2018</td>
<td></td>
</tr>
<tr>
<td>Initial release for pre-rule implementation</td>
<td>Monday, March 26, 2018</td>
<td></td>
</tr>
<tr>
<td>Form 44 subsequent training</td>
<td>Wednesday, April 11, 2018</td>
<td></td>
</tr>
<tr>
<td>Final release for rule implementation</td>
<td>Tuesday, May 1, 2018</td>
<td></td>
</tr>
</tbody>
</table>
Form 44 - Wizard Crude Oil Transfer Line
**Form 44 - Contact & Operator Information**

<table>
<thead>
<tr>
<th>Contact and Operator Information</th>
<th>Crude Oil Transfer Line</th>
<th>Related Forms</th>
<th>Attachments</th>
<th>Submit</th>
<th>Review*</th>
<th>Status*</th>
</tr>
</thead>
</table>

**CONTACT & OPERATOR INFORMATION**

- **Contact Name:** Ellice Whittington
- **Phone:** 303 1234569
- **Fax:**
- **Email:** ellice.hazard@state.co.us
- **Operator Num:** 5
- **Suff:** N/A
- **Address:** 1120 LINCOLN ST SUITE 801
- **City:** DENVER
- **State:** CO
- **Zip:** 80203

**Operator's Utility Notification Center of Colorado (One Call - UNCC) Member Code:** TEWT
### Form 44 - Crude Oil Transfer Line Tab

#### Facility ID, Name and Jurisdiction

- **Registration**

#### As-Built Details
- Fluid type
- Bedding material
- Pipe material
- Pipe diameter
- Burial depth
- MAOP
- Test Pressure and date

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**Crude Oil Transfer Line Identification**

<table>
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<tr>
<th>Contact and Operator Information</th>
<th>Crude Oil Transfer Line</th>
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<td></td>
<td></td>
<td></td>
<td></td>
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</table>

**Crude Oil Transfer Line Registration**

- **Ranked Construction Start Date:** 2/14/2018
- **A representative local location and associated latitude and longitude near the center of the transfer line.**
  - **County:**
  - **QoQ/o/Lo:** 122
  - **X:** 12
  - **Y:** 19
  - **Range:** G06
  - **Latitude:** 20.942220
  - **Longitude:** -104.042723
  - **Date of Measurement:** 1/30/2018

**Crude Oil Transfer Line As-Built Specifications**

- **Pipe Description and Testing:**
  - **Bedding Material:**
  - **Maximum Outer Diameter (inches):**
  - **Weight (lbs/ft):**
  - **Grade:**
  - **Wall Thickness (inches):**

**Description of Corrosion Protection**

**Description of Integrity Management Program**

- **Construction method used for all public by-ways, road crossings, sensitive wildlife habitats, sensitive areas and natural and manmade watercourses:**
  - Trenched or bored and cased or bored only
Form 44 - Crude Oil Transfer Line Tab

List of Items to Attach
- Pressure charts
- Layout Drawing
- Geodatabase File
- Affidavit of Completion

Narrative Description
- Corrosion Protection
- Integrity Management Program
- Construction Method in “USA”
Form 44 - Attachment: Layout Drawing
Form 44 Registration

Registration is required:

1. For new construction after May 1, 2018
2. For lines existing prior to May 1, 2018, by October 1, 2019

- Off Location Flowlines
- Domestic Taps
- Crude Oil Transfer Lines
- Produced Water Transfer Systems
National Pipeline Mapping System (NPMS) - Public Viewer

Non-COGCC GIS Tools (Links to External Websites)

**Pipelines**
- National Pipeline Mapping System (NPMS) - Public Viewer
- Pipeline Association for Public Awareness - Pipelines Nearby

**Federal Lands**
- Bureau of Land Management (BLM) Navigator
Questions?
Schematic Map of a Produced Water Transfer System
PHMSA Mapping system
PHMSA Mapping system

Warning

Pipeline, LNG Plants and Breakout Tanks are only visible at zoom level 14 or less. Please zoom out if you wish to view these features.

OK