

Observations from DIMP Reviews

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Gas Distribution Threat Categories *GPTC G-192-8*

- External Corrosion
 - Bare Steel Pipe (CP or no CP)
 - cast iron pipe (graphitization)
 - coated and wrapped steel pipe (CP or no CP)
 - Other metallic materials
- Internal corrosion
- Natural Forces
 - Outside force/weather: steel pipe
 - Outside force/weather: plastic pipe
 - Outside force/weather: cast iron pipe
- Excavation Damage
 - Operator (or its contractor)
 - Third-party
- Other Outside Force Damage
 - Vehicular
 - Vandalism
 - Fire/Explosion (primary)
 - Leakage (previous damage)
 - Blasting
 - Mechanical damage: Steel pipe, Plastic pipe, Pipe components

Gas Distribution Threat Categories *GPTC G-192-8* (*continued*)

- Material or Weld
 - Manufacturing defects
 - Materials/Plastic
 - Weld/Joint
- Equipment Failure
 - System Equipment
- Incorrect operation
 - Inadequate procedures
 - Inadequate safety practices
 - Failure to follow procedures
 - Construction/Workmanship defects
- Other Failure Causes that the Operator has experienced

PHMSA Form 24 Inspection Form

PHMSA Form 24 - Gas Distribution System DIMP Implementation Inspection, July 7, 2014, Rev 0

Question Number	Rule §	Description	S/Y	U/N	N/A	N/C
		Issues Identified in previous Integrity Management Inspection(s)				
1	* - If not satisfactory, insert appropriate code section(s)	Have all issues raised in previous DIMP inspections been satisfactorily addressed? Provide comments below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inspector Comments						
		Knowledge of the system				
2	192.1007(a) .1007 (a)(3)	Is the operator collecting the missing or incomplete system information and data needed to fill knowledge gaps to assess existing and potential threats?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inspector Comments						
3	.1007 (a)(3)	Is the operator collecting the missing or incomplete system information and data using the procedures prescribed in its DIMP plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHMSA Form 23 DIMP MM Inspection Form

PHMSA Form 23 Question Set (IA Equivalent)
Distribution Integrity Management Program (MMLPGIM) Inspection Form

Master Meter and Small LPG Distribution Integrity Management - Plan Implementation

1. Plan Implementation - Implement Date (detail) *Was the plan written and implemented per the requirement of 192.1015 by 08/02/2011? (MMLPGIM.QA.PLANIMPLEMENT.P) (detail)*

192.1015(a)

Sat+	Sat	Concern	<u>Unsat</u>	NA	NC

Notes

Master Meter and Small LPG Distribution Integrity Management - Knowledge of the System

1. System Knowledge - Information Considered (detail) *Does the plan include an explanation of the mechanisms or procedures to address how the operator will demonstrate knowledge of its pipeline which, to the extent known, should include the approximate location and material of its pipeline? (MMLPGIM.RA.INFORMATION.P) (detail)*

192.1015(b)(1)

Sat+	Sat	Concern	<u>Unsat</u>	NA	NC

**NEED A WRITTEN PLAN:
*IT CAN BE IN THE DIMP
OR
O&M PROCEDURES***

Have a written procedure. A step by step written procedure on what the man in the trench should do (192.1007.A).

When an excavation is opened and the pipe exposed (192.1007.3), following the operator's current pipeline exposure procedures:

1. Inspect the pipeline to determine pipeline type. Metal, plastic, fiberglass?
2. Clean off the pipeline with the appropriate materials for the type of pipeline.
3. Inspect the pipeline and fill out the standard company pipeline exam form
(Every company needs one of these to make sure all needed data is collected)

PIPE EXAM FORM

Find: Select Address

[List](#) | [Pipe Exam](#) | [Mechanical Piping Failure](#) | [Locates Permit Easements](#) | [Assignments](#) | [Service Cards](#) | [Failure Reporting](#) | [Communication Log](#) | [Work Log](#)

Sequence:
 Activity:

Filter: 1 - 1 of 1 Download

Sequence	Pipe Material	Pipe Size	Pipe Facility Location
10			

Pipe Exam Sequence <input type="text" value="10"/> Pipe Material* <input type="text"/> If Other <input type="text"/> Pipe Size* <input type="text"/> Pipe Facility Location* <input type="text"/> Surface* <input type="text"/> Soil Type* <input type="text"/> Soil Condition* <input type="text"/> Pipe Depth (Top of Pipe)* <input type="text"/> Coating Holiday(s) Observed? <input type="text" value="None"/> Coating Type* <input type="text"/> Coating Condition* <input type="text"/> Coating Repairs Made? <input type="text"/>	Top <input type="text"/> Bottom <input type="text"/> Thickness <input type="text"/> Side (N,S,E,W) <input type="text"/> Thickness <input type="text"/> Side (N,S,E,W) <input type="text"/> External Corrosion* <input type="text"/> Pitting Depth* <input type="text"/> Depth of Shallow Pitting <input type="text"/> Depth of Deep Pitting <input type="text"/> External Corrosion Extent* <input type="text"/>	Graphitization (Cast Iron) <input type="text"/> Internal Corrosion* <input type="text"/> Internal Sediment* <input type="text"/> Installed Insulator? <input type="text"/> Anode Installed <input type="text"/> Anode Size <input type="text"/> Pipe to Soil (As Found) <input type="text"/> Pipe to Soil (As Left) <input type="text"/> Asset ID <input type="text"/> Defects Observed? <input type="text"/> Actual Pressure <input type="text"/> Gauge <input type="text"/> Dent <input type="text"/>	TRANSMISSION MAINS ONLY NOTE: If on a Transmission pipeline, contact the Integrity Management Department for guidance on additional testing and/or repair requirements. Arc Burn <input type="text"/> Buckle/Wrinkle <input type="text"/> Cracking <input type="text"/> Puddle Weld <input type="text"/> Scratch <input type="text"/> *Pipe Repairs Made <input type="text"/>
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Address Number <input type="text"/> Pre Dir <input type="text"/> Street Name <input type="text"/> Suffix <input type="text"/> Post Dir <input type="text"/> State <input type="text"/> City <input type="text"/> Zip <input type="text"/> Unit Type <input type="text"/> Unit Number <input type="text"/>	Job Details Follow Up WO# <input type="text"/> Latitude* <input type="text"/> Longitude* <input type="text"/>
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Record Change Modified By <input type="text"/> Date Modified <input type="text"/>
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Remarks* <input type="text"/>	Pipe Exam Conducted By* <input type="text"/> Pipe Exam Date* <input type="text" value="8/10/15"/>
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TOP 5 THREATS - MEASURES TO REDUCE RISK – PERFORMANCE MEASURES

Current Measures to Reduce Risk In Place

Rank	Primary Threat Category*	Threat Subcategory, as appropriate	Measure to Reduce Risk	Performance Measure
1.	Excavation Damage	3 rd Party Damage	Conduct enhanced awareness education	Keep copy of Public Awareness Notices sent each year, typically 3 per year.
	Comments	Operator sends out the Public Awareness Notices at least three times each year.		
2.	Corrosion	Atmospheric Corrosion	Increase frequency of leak surveys	Review Leakage Summary Section 8 of IMP
	Comments	Operator performs leak surveys annually and documents results in section 8 of the IMP. Operator plans on painting all above ground pipelines and fixtures this year.		
3.	Corrosion	External Corrosion	Increase frequency of leak surveys	Review Leakage Summary Section 8 of IMP
	Comments	Operator performs leak surveys annually and documents results in section 8 of the IMP.		
4.	Corrosion	Internal Corrosion	Increase frequency of leak surveys	Review Leakage Summary Section 8 of IMP
	Comments	Operator performs leak surveys annually and documents results in section 8 of the IMP.		
5.	Natural Forces	Weather	Increase frequency of leak surveys	Review Leakage Summary Section 8 of IMP
	Comments	Operator performs leak surveys annually and documents results in section 8 of the IMP.		
* Corrosion, Natural Forces, Excavation Damage, Other Outside Force Damage, Material or Weld, Equipment Failure, Incorrect Operation, Other Concerns				