## STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

A completed Standard Inspection Report is to be submitted to the Director within 60 days from completion of the inspection. A Post-Inspection Memorandum (PIM) is to be completed and submitted to the Director within 30 days from the completion of the inspection, or series of inspections, and is to be filed as part of the Standard Inspection Report.

Inspection Report	Post Inspec	Post Inspection Memorandum			
Inspector/Submit Date: Al Jones / August 23, 200	7 Peer Review/Date: 7	D. Lykken / August 23, 2007  Tom Finch  Chris Hoidal			
POST INSI	ECTION MEMORANDUM (PIM)				
Name of Operator: Puget Sound Energy		OPID #: 22189			
Name of Unit(s): Jackson Prairie Storage Faci	ity	Unit #(s): 33875			
Records Location: Jackson Prairie Storage Faci	ity				
Unit Type & Commodity: Interstate Gas Storage					
Inspection Type: Standard	Inspection	n Date(s): 8/13-15/2007			
PHMSA Al Jones (WUTC) Representative(s):		AFO Days: 3			

Summary: The inspection included a review of records, control room operations, pipe-to-soil potentials for piping and casings, rectifiers, transmission piping, ROW, line markers, security, signs, compressors, firefighting equipment, ESD alarm systems, gas detectors, pipe supports, atmospheric corrosion, gathering piping and well head piping were all inspected. There were no items of Concern or probable violations identified. Capital plant addition for 2007 includes five new injection/recovery wells and for 2008 include: a new above-ground slug catcher, five additional injection/recovery wells, one Tarus 7500 turbine compressor, new computer SCADA system, and station painting. Numerous rectifiers and pipe-to-soil potentials were taken and found to be in compliance, see field data form for details. A follow-up from previous inspections for atmospheric corrosion at pipe supports, slug catcher design were reviewed and inspected.

#### **Addition to Summary:**

Commission staff was informed by Jim Janson, Jackson Prairie manager, that the proposed above-ground slug catcher will not be constructed as initially reported. The proposed design has been cancelled indefinitely. During the 2001 inspection a safety concern was identified with the location of the slug catcher in proximity to workers and the control room. The slug catcher design factor was found in error and the MAOP was reduced to 867 psig. The slug catcher was installed in 1999 from 36" dia. X 0.750" WT, API5L X52 pipe. A coupon was placed in the slug catcher in 2003 located approximately 2.5 inches above the bottom of the pipe. Based upon the coupon data, PSE has reevaluated the safety concern of the slug catcher. The coupons were evaluated by: Northwest Laboratories from December 2003 to March 2005, MDE Evaluation from March 2005 to February 2006, and Corrpro from February 2006 to present.

In summary, the laboratory reports indicate the coupons were observed with general corrosion, except for the initiation of a pit from the December 1, 2005 to February 28, 2006 coupon. In general, the average metal loss is approximately 2.3 mills per year including the latest coupon of 6.52 mills per year. The past five coupons have indicated an increase in corrosion at approximately 1.29 mills per year. The Jackson Prairie Storage will continue to monitor the slug catcher quarterly with coupons and operate with a revised MAOP of 867 psig (40% SMYS).

#### Recommendations:

- Schedule a standard inspection for 2008 following the completion of capital plant additions.
- Monitor the rate of corrosion with quarterly coupon evaluation and
- Ouarterly leak survey at the slug catcher area.

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No probable violations or areas of concern noted during this inspection.

# Abbreviated Procedures STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

Name of Operator:	Puget Sound	Fnergy		
OP ID No. (1) 2189	T agot bound	Ellorgy	Unit ID No. (1) 33875	
HQ Address:			System/Unit Name & Ad	dress: (1)
Puget Sound Energy		<del></del>	Jackson Prairie Storage Fa	
P.O. Box 90868			239 Zandecki Road	
Bellevue, WA 98009-0868			Chehalis, WA 98532	
Co. Official:	Stephanie Kresh	nel	Activity Record ID No.:	
Phone No.:	425-462-3734		Phone No.:	
Fax No.:	425-462-3770		Fax No.:	
Emergency Phone No.:	1-888-225-5773	<b>,</b>	Emergency Phone No.:	1-888-225-5773
Persons Interviewed		Title		Phone No.
James Janson		Manager		360-262-3365
Mark Anders		Manager 7	Technical Services	360-262-3365
Rick Braaten		S	upervisor	360-262-3365
Don Hunt		Complia	nce Coordinator	425-462-3715
		-		
<u> </u>				
			•	
PHMSA Representative(s)	) <sup>(1)</sup> Al Jones (	WUTC) Inspection	n Date(s) (1) 8/13 – 15/2007	
Company System Maps (C	Copies for Region	on Files): At facility	y	

#### **Unit Description:**

Jackson Storage facility consists of an underground gas reservoir, injection/withdrawal wells, compressor stations, and transmission pipeline.

The gas storage is a natural underground sandstone repository located on approximately 3,200 acres. There are 93 wells with approximately 50% for injection/withdrawal and the remaining wells for observation. The gathering lines from the reservoir consist of 4, 6, 10, and 16-inch diameter pipes and four transmission lines from the compressor stations to Williams pipeline consists of 14, 16, 20, and 24-inch pipes. The transmission lines are approximately 9,600 linear feet each in length. The facility has 9 compressors that range from 7,500 to 8,000 horsepower. The gas dehydration process includes a gas/liquid separator, vortex separators, and tri-ethylene glycol contactors.

## Portion of Unit Inspected: (1)

See the summary section, above for details unit inspected.

For gas transmission pipeline inspections, the attached evaluation form should be used in conjunction with 49 CFR 191 and 192 during PHMSA inspections. Refer to the Hub Joint O&M team inspection schedule to identify inter-regional operators. For those operators, procedures do not have to be evaluated for content unless: 1) new or amended regulations have been placed in force after the team inspection, or 2) procedures have changed since the team inspection. Items in the procedures sections of this form identified with "\*" reflect applicable and more restrictive new or amended regulations that became effective between 03/02/02 and 03/02/07.

<sup>&</sup>lt;sup>1</sup> Information not required if included on page 1.

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Western Region: Conducted abbreviated procedures inspection on 195 Operations and Maintenance Items that changed since the last inspection. Items that were included in the operator's O & M Manual at the previous inspection (as per date entered below) may be marked with a "1" in the N/C column to reflect the standard "Note 1" in the Comments blocks. Records And Field Item Will Be Inspected As Per A Routine Inspection.

(check one below and enter appropriate date)

Team inspection was performed (Within the past five years.) or, (WUTC review of PSE's O&M Manuals and Emergency Plan)	Date:	11/14/2005
Western Region Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	Date:	

#### **49 CFR PART 192**

.605(a)	NORMAL OPERATING and MAINTENANCE PROCEDURES	S	U	N/A	N/C
*	.605(b)(11) Responding promptly to a report of a gas odor inside or near a building, unless the operator's emergency proced. under §192.615(a)(3) specifically apply to these reports. Amdt 192-93 pub. 9/15/03, eff. 10/15/03.	s			

#### Comments:

PSE procedures require monitoring for gas in buildings with heating units and compressors.

.605(a)	 PUBLIC EDUCATION PROCEDURES	S UNANC
*	ublic Awareness Program in accordance with API RP 1162. [HQ clearinghouse to review] Amdt 192- 9 pub. 5/19/05, eff. 06/20/05.	

#### **Comments:**

First responders and residences near Jackson Prairie Storage are informed of plant and how to notify the operator of an emergency. First responders receive onsite training.

.605(a)	MAOP PROCEDURES	S	U NANC
	.619 Establishing MAOP so that it is commensurate with the class location		
	MAOP cannot exceed the lowest of the following:		
*	(a)(1) Design pressure of the weakest element, Amdt. 192-103 pub. 06/09/06, eff. 07/10/06	S	

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	MAOP PROCEDURES			S	U N/AN/C
*	(a)(3) The highest actual operating pressure to which the segment preceding the applicable date in second column, unless the segment the applicable date in the third column or the segment was 192-102 pub. 3/15/06, eff. 04/14/06. For gathering line related gathering line requirements, refer to Part 192 including this a	ment was tested a s uprated accordin l compliance dea	ccording to .619(a)(2) ag to subpart K. Amdt		
	Pipeline segment	Pressure date	Test date		
	Onshore gathering line that first became subject to this part (other than § 192.612) after April 13, 2006 Onshore transmission line that was a gathering line not subject to this part before March 15, 2006.	March 15, 2006, or date line becomes subject to this part, whichever is later.	5 years preceding applicable date in second column.	s	
	Offshore gathering lines.	July 1, 1976.	July 1, 1971.		1 1
	All other pipelines.	July 1, 1970.	July 1, 1965.		
*	(c) The requirements on pressure restrictions in this section do operator may operate a segment of pipeline found to be in operating and maintenance history, at the highest actual operating subjected during the 5 years preceding the applicable date in the (a)(3) of this section. An operator must still comply with § 192 04/14/06. For gathering line related compliance deadling requirements, refer to Part 192 including this amendment.	satisfactory conding pressure to we second column of .611. Amdt 192-	dition, considering its hich the segment was the table in paragraph 102 pub. 3/15/06, eff.	s	

#### Comments:

The system MAOP was established during the 2001 Inspection based on limitations of the slug catcher at 867 psig. Except, the field piping between the station and Williams system and station piping have a MAOP of 1,000 psig excluding the 14-inch pipeline has a MAOP of 945 psig.

.605(a)		ODORIZATION of GAS PROCEDURES	S	U N/AN/C
*	.625(f)	Periodic gas sampling, using an instrument capable of determining the percentage of gas in air at which		N/A
i I	, ,	the odor becomes readily detectable. Amdt 192-93 pub.9/15/03, eff. 10/15/03.		N/A

Comments: No Odoraization

.605(b)	ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES	S U N/AN/C
*	.727 (g) Operator must file reports upon abandoning underwater facilities crossing navigable waterways, including offshore facilities. Amdt. 192-103 corr. pub 02/01/07, eff. 03/05/07.	N/A

Comments:

No underwater facilities

.605(b)	COMPRESSOR STATION PROCEDURES	S	U	N/A N/C
*	.735 (b) Tank must be protected according to NFPA #30; Amdt 192-103 pub. 06/09/06 eff. 07/10/06.	S		

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Comments:					
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.605(b)		PRESSURE LIMITING and REGULATING STATION PROCEDURES					
*	.739(a)	.739(a) (3) Set to control or relieve at correct pressures consistent with .201(a), except for .739(b). Amdt. 192-96 pub. 5/17/04, eff.10/8/04					
*	.739(b)	For steel lines if MAOP is determined Amdt. 192-96 pub. 5/17/04, eff.10/8/04	per .619(c) and the MAOP is 60 psi (414 kPa) gage or more 4		T T		
		If MAOP produces hoop stress that	Then the pressure limit is:			i	
		Is greater than 72 percent of SMYS	MAOP plus 4 percent	s			
		Is unknown as a percent of SMYS	A pressure that will prevent unsafe operation of the pipeline considering its operating and maintenance history and MAOP				
*	.743	(a) Capacity must be consistent with .2 Amdt. 192-96 pub. 5/17/04, eff.10	01(a) except for .739(b), and be determined 1 per yr/15 mo. 0/8/04	s			
*	.743	(b) If calculated, capacities must be compared; annual review and documentation are required. Amdt. 192-93 pub. 9/15/03, eff. 10/15/03.		s			
*	.743	(c) If insufficient capacity, new or ad Amdt. 192-93 pub. 9/15/03, eff. 10	ditional devices must be installed to provide required capacity. 0/15/03.	s			

Comments	 	<u> </u>		 
Comments:				
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.605(b)	VALVE AND VAULT MAINTENANCE PROCEDURES	\$	U	V/A	N/C
	Valves				
*	.745 (b) Prompt remedial action required, or designate alternative valve. Amdt. 192-93 pub. 9/15/03, eff. 10/15/03.	s			

Comments:		•
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.13(c)	WELDING AND WELD DEFECT R	EPAIR/REMOVAL PROCEDURES	S	UN	/AN/C
*	errata) or Section IX of ASME Boiler	nder Section 5 of API 1104 (19th ed.1999, 10/31/01 and Pressure Code (2004 ed. Including addenda through lt.192-94 pub. 6/14/04, eff. 7/14/04; Amdt. 192-103 pub	s		
*	IX of ASME Boiler and Pressure Co	of API 1104 (19 <sup>th</sup> ed.1999, 10/31/01 errata) or Section de (2004 ed. Including addenda through July 1, 2005) See o. 6/14/04, eff. 7/14/04; Amdt. 192-103 pub 06/09/06, eff. 01/07 eff. 03/05/07.	s		
*	.229(c) (1) May not weld on pipe that operates calendar months the welder has ha sections 6 or 9 of API Standard performing welds tested and found	at $\geq 20\%$ SMYS unless within the preceding 6 d one weld tested and found acceptable under the (104; may maintain an ongoing qualification status by a acceptable at least <b>twice per year</b> , not exceeding 7½ an earlier referenced edition. Amdt.192-94 pub. 6/14/04,	s		

Form 1 Standard Inspection Report of a Gas Transmission Pipeline (Rev. 03/02/07 through Amdt. 192-103 corr.)

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.13(c)		WELDING AND WELD DEFECT REPAIR/REMOVAL PROCEDURES	S	U	N/A	N/C
*	.241	(a) Visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure: Amdt.192-94 pub. 6/14/04, eff. 7/14/04	s			
*	.241	(c) Acceptability based on visual inspection or NDT is determined according to Section 9 of API 1104. If a girth weld is unacceptable under Section 9 for a reason other than a crack, and if Appendix A to API 1104 applies to the weld, the acceptability of the weld may be further determined under that appendix. Amdt. 192-94 pub. 6/14/04, eff. 7/14/04	s			

#### Comments:

Jackson Prairie Storage facility uses PSE welding procedures. The last pipeline welding was in 1999. The facility is located in a Class 2 Location but a Class 3 Location design criteria is used which is more stringent than a Class 2 Location.

.273(b)		JOINING of PIPELINE MATERIALS	S	U N/A N	V/C
*	.283	Qualified joining procedures for plastic pipe must be in place Amdt. 192-94 pub. 6/14/04, eff. 7/14/04; Amdt. 192-103 pub. 06/09/06, eff. 07/10/06.		N/A	
*	.285	Persons making joints with plastic pipe must be qualified Amdt.192-94 pub. 6/14/04, eff. 7/14/04		N/A	
*	.287	Persons inspecting plastic joints must be qualified Amdt.192-94 pub. 6/14/04, eff. 7/14/04		N/A	

#### Comments:

No PE pipe utilized.

.605(b)		CORROSION CONTROL PROCEDURES	S	Ü	N/AN/C
*	.465	(e) Electrical surveys (closely spaced pipe to soil) on bare/unprotected lines, cathodically protect active corrosion areas (1 per 3 years/39 months) Amdt 192-93 pub.9/15/03, eff. 10/15/03.	s		
*	.481	(b) Special attention required at soil/air interfaces, thermal insulation, under disbonded coating, pipe supports, splash zones, deck penetrations, spans over water Amdt 192-93 pub.9/15/03, eff. 10/15/03.	s		
*	.481	(c) Protection must be provided if atmospheric corrosion is found (per §192.479) Amdt 192-93 pub.9/15/03, eff. 10/15/03.	s		

Comm	ents:
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.605(b)		UNDERWATER INSPECTION PROCEDURES – GULF of MEXICO and INLETS	S	U. N/AN/C
*	.612(a)	Operator must have a procedure prepared by August 10, 2005 to identify pipelines in the Gulf of Mexico and its inlets in waters less than 15 feet (4.6 meters) deep that are at risk of being an exposed underwater pipeline or a hazard to navigation? Amdt. 192-98 pub. 8/10/04, eff. 9/9/04		N/A
*	.612(b)	Operator must conduct appropriate periodic underwater inspections based on the identified risk Amdt. 192-98 pub.8/10/04, eff. 9/9/04		N/A

Comments:			
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	PIPELINE INSPECTION (Field)			/AN/
.179	Valve Protection from Tampering or Damage	s		
.463	Cathodic Protection	S		
.465	Rectifiers	s		
.479	Pipeline Components Exposed to the Atmosphere	s		
.605	Knowledge of Operating Personnel	s		
.612 (c) (2)	Pipelines exposed on seabed (Gulf of Mexico and Inlets): Marking		N	/A
613(b), .703	Pipeline condition, unsatisfactory conditions, hazards, etc.	S		
.707	ROW Markers, Road and Railroad Crossings	S		
.719	Pre-pressure Tested Pipe (Markings and Inventory)	s		
.739	Pressure Limiting and Regulating Devices (Mechanical)	S		
.743	Pressure Limiting and Regulating Devices (Capacities)	S		
.745	Valve Maintenance	s		
.751	Warning Signs	S		
.801809	Operator Qualification - Use PHMSA Form 15 Operator Qualification Field Inspection Protocol Form	s		

#### Comments:

The Jackson Prairie Storage has a total of 16 rectifiers for wells and transmission pipeline. Cathodic protection test stations are inspected and read every other month. Their procedures require annual test station readings.

	COMPRESSOR STATIONS INSPECTION (Field)	S	TT	N/AT	S IT
	(Note: Facilities may be "Grandfathered")		<u> </u>		1/1
.163 (c)	Main operating floor must have (at least) two (2) separate and unobstructed exits	s			
	Door latch must open from inside without a key	s			
	Doors must swing outward	S			
(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit	s			
	Each gate located within 200 ft of any compressor plant building must open outward	S			
	When occupied, the door must be opened from the inside without a key	S			
(e)	Does the equipment and wiring within compressor stations conform to the National Electric Code, ANSI/NFPA 70?	s			
.165(a)	If applicable, are there liquid separator(s) on the intake to the compressors?	S			
.165(b)	Do the liquid separators have a manual means of removing liquids?	s			
	If slugs of liquid could be carried into the compressors, are there automatic dumps on the separators, Automatic compressor shutdown devices, or high liquid level alarms?	s			
.167(a)	ESD system must:				
	- Discharge blowdown gas to a safe location	S			
	- Block and blowdown the gas in the station	S			
	- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers	s			
,	- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage	s			
	ESD system must be operable from at least two locations, each of which is:				
	- Outside the gas area of the station	S			
	- Not more than 500 feet from the limits of the station	S			· ·

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ı	COMPRESSOR STATIONS INSPECTION (Field)	S	TT	N/A N
	(Note: Facilities may be "Grandfathered")			
	- ESD switches near emergency exits?	s		
.167 (b)	For stations supplying gas directly to distribution systems, is the ESD system configured so that the LDC will not be shut down if the ESD is activated?	s		ŀ
.167(c)	Are ESDs on platforms designed to actuate automatically by			
	- For unattended compressor stations, when:			
	• The gas pressure equals MAOP plus 15%?	L.		N/A
	An uncontrolled fire occurs on the platform?			N/A
	- For compressor station in a building, when			
	An uncontrolled fire occurs in the building?	S		
	<ul> <li>Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to NEC Class 1, Group D is not a source of ignition)?</li> </ul>	s		
.171(a)	Does the compressor station have adequate fire protection facilities? If fire pumps are used, they must not be affected by the ESD system.	s		
<b>(b)</b>	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?	S		
(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?	S		
(d)	Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?	s		
(e)	Are the mufflers equipped with vents to vent any trapped gas?	S		
.173	Is each compressor station building adequately ventilated?	S		
.457	Is all buried piping cathodically protected?	S		
.481	Atmospheric corrosion of aboveground facilities	S		
.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?	S		
	Are facility maps current/up-to-date?	S		
.615	Emergency Plan for the station on site?	s		
.707	Markers	s		
.731	Overpressure protection – reliefs or shutdowns	s		
.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?	s		
	Are aboveground oil or gasoline storage tanks protected in accordance with NFPA standard No. 30?	S		
.736	Gas detection – location	S		

Comments:
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No unattended compressor stations.

	CONVERSION TO SERVICE PERFORMANCE and RECORDS	S	U N/AN/G
.14 (a)(2)	Visual inspection of right of way, aboveground and selected underground segments		N/A
(a)(3)	Correction of unsafe defects and conditions		N/A
(a)(4)	Pipeline testing in accordance with Subpart J		N/A
(b)	Pipeline records: investigations, tests, repairs, replacements, alterations (life of pipeline)		N/A

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	REPORTING PERFORMANCE and RECORDS	S	U N/AN/
191.5	Telephonic reports to NRC (800-424-8802)		N/A
191.15	Written incident reports; supplemental incident reports (DOT Form RSPA F 7100.2)		N/A
191.17 (a)	Annual Report (DOT Form RSPA F 7100.2-1)	S	
191.23	Safety related condition reports		N/A
191.27	Offshore pipeline condition reports		N/A
192.727 (g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports		N/A

	CONSTRUCTION PERFORMANCE and RECORDS	S	U N/AN/
.225	Test Results to Qualify Welding Procedures		N/A
.227	Welder Qualification		N/A
.241 (a)	Visual Weld Inspector Training/Experience		N/A
.243 (b)(2)	Nondestructive Technician Qualification		N/A
(c)	NDT procedures		N/A
(f)	Total Number of Girth Welds		N/A
(f)	Number of Welds Inspected by NDT		N/A
<b>(f)</b>	Number of Welds Rejected		N/A
<b>(f)</b>	Disposition of each Weld Rejected		N/A
.303	Construction Specifications		N/A
.325	Underground Clearance		N/A
.327	Amount, Location, Cover of each Size of Pipe Installed		N/A
.455	Cathodic Protection		N/A

	OPE	ERATIONS and MAINTENANCE PERFORMANCE and RECORDS	\$ .	U N/AN
.16		Customer Notification (Verification – 90 days – and Elements)		N/A
.603(b)	.605(a)	Procedural Manual Review - Operations and Maintenance (1 per yr/15 months)	S	
.603(b)	.605(c)	Abnormal Operations		N/A
.603(b)	.605(b)(3)	Availability of construction records, maps, operating history to operating personnel	S	
.603(b)	.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures	S	
.603(b)	.605(c)(4)	Periodic review of personnel work - effectiveness of abnormal operation procedures	S	
.603(b)	.612(b)	Gulf of Mexico/inlets: Periodic underwater inspections based on the identified risk		N/A
.709	.614	Damage Prevention (Miscellaneous)	S	
.709	.609	Class Location Study (If Applicable)	S	
.603(b)	.615(b)(1)	Location Specific Emergency Plan	S	
.603(b)	.615(b)(2)	Emergency Procedure training, verify effectiveness of training	S	
.603(b)	.615(b)(3)	Employee Emergency activity review, determine if procedures were followed.	S	
.603(b)	.615(c)	Liaison Program with Public Officials	s	
.603(b)	.616	Public Education/Awareness Program	S	
.517		Pressure Testing	S	
.553(b)		Uprating		N/A
.709	.619	Maximum Allowable Operating Pressure (MAOP)	s	
.709	.625	Odorization of Gas		N/A
.709	.705	Patrolling (Refer to Table Below)	S	

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	OPI	ERATIONS and MAINT	TENANCE PERFORMANCE and REC	ORDS	Š	U NA
		Class Location	At Highway and Railroad Crossings	At All Other Places	7	
		1 and 2	2/yr (7½ months)	1/yr (15 months)		
		3	4/yr (4½ months)	2/yr (7½ months)		
		4	4/yr (4½ months)	4/yr (4½ months)		
709	.706	Leak Surveys (Refer to 7	Table Below)		s	
	•	Class Location	Required	Not Exceed	7	
		1 and 2	1/yr	15 months	1	
		3	2/yr*	7½ months		
		4	4/yr*	4½ months		
	* Leal	detector equipment surve	y required for lines transporting un-odorized ga	S.		
709	.731(a)	Compressor Station Relie	f Devices (1 per yr/15 months)		S	
709	.731(c)	Compressor Station Emer	gency Shutdown (1 per yr/15 months)		S	
709	.736(c)	Compressor Stations - De	etection and Alarms (Performance Test)		S	
709	.739	Pressure Limiting and Re	gulating Stations (1 per yr/15 months)		s	
709	.743	Pressure Limiting and Re	gulator Stations - Capacity (1 per yr/15 month	as)	s	
709	.745	Valve Maintenance (1 pe	r yr/15 months)		s	
709	.749	Vault Maintenance (≥200	cubic feet)(1 per yr/15 months)			N/A
603(b)	.751	Prevention of Accidental	Ignition (hot work permits)	,		N/A
603(b)	.225(b)	Welding - Procedure				N/A
603(b)	.227/.229	Welding – Welder Qualif	ication		$\top$	N/A
603(b)	.243(b)(2)	NDT – NDT Personnel Q	ualification	· · · · · · · · · · · · · · · · · · ·	† †	N/A
709	.243(f)	NDT Records (Pipeline I	.ife)		-	N/A
709	<del>- </del>	·	fe); Other than pipe (5 years)			N/A

#### Comments

During July 2007, a Grove flow control valve (#50408) was maintained. The valve stem packing developed a leak and both the stem and seals were replaced by a Grove representative. Also, an equalization valve adjacent to the control valve was replaced. There has been no welding, hot work, or NDT evaluation at the Jackson Prairie Storage facility since the last inspection. Approximately, 50 relief device records were reviewed since the last inspection to present. The relief valve (SRV#048) at Contact Tower #8 was field tested at set pressure of 1,000 psig.

		CORROSION CONTROL PERFORMANCE and RECORDS	S	U	N/AN
.453	CP proced	ures (system design, installation, operation, and maintenance) must be carried out by qualified personnel	s		
.491	.491(a)	Maps or Records	S		
.491	.459	Examination of Buried Pipe when Exposed	S		
.491	.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months)	S		
.491	.465(b)	Rectifier Monitoring (6 per yr/2½ months)	S		
.491	.465(c)	Interference Bond Monitoring – Critical (6 per yr/2½ months)			N/A
.491	.465(c)	Interference Bond Monitoring – Non-critical (1 per yr/15 months)			N/A
.491	.465(d)	Prompt Remedial Actions	s		
.491	.465(e)	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months)			N/A
.491	.467	Electrical Isolation (Including Casings)			N/A

## STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

Unless otherwise noted, all code references are to 49CFR Part 192. S – Satisfactory U – Unsatisfactory N/A – Not Applicable N/C – Not Checked If an item is marked U, N/A, or N/C, an explanation must be included in this report.

	<u> </u>	CORROSION CONTROL PERFORMANCE and RECORDS	· S	U	V/A	N/C
.491	.469	Test Stations – Sufficient Number	s			
.491	.471	Test Leads	s			
.491	.473	Interference Currents	S			
.491	.475(a)	Internal Corrosion; Corrosive Gas Investigation	S			
.491	.475(b)	Internal Corrosion; Internal Surface Inspection; Pipe Replacement	S		$\neg$	
.491	.477	Internal Corrosion Control Coupon Monitoring (2 per yr/7½ months)	S		Ī	
.491	.481	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore)	s			
.491	.483/.485	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions	s			

Comments:		
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# Recent PHMSA Advisory Bulletins (Last 2 years)

ADB-05-01 January 21, 2005 Pipeline Safety: Semi-Annual Reporting of Performance Measures for Gas Transmission Pipeline Integrity Management  ADB-05-02 April 6, 2005 Pipeline Safety: Strapping Table Calibration for Pipeline Breakout Tank Operators  ADB-05-03 May 23, 2005 Pipeline Safety: Planning for Coordination of Emergency Response to Pipeline Emergencies  ADB-05-04 July 29, 2005 Integrity Management Notifications for Gas Transmission Lines  ADB-05-05 August 10, 2005 Pipeline Safety Advisory Bulletin - Inspecting and Testing Pilot-Operated Pressure Relief Valves  ADB-05-06 August 11, 2005 ADB-05-06 - Pipeline Safety - Countermeasures to Prevent Human Fatigue in the Control Room
ADB-05-02 April 6, 2005 Pipeline Safety: Strapping Table Calibration for Pipeline Breakout Tank Operators  ADB-05-03 May 23, 2005 Pipeline Safety: Planning for Coordination of Emergency Response to Pipeline Emergencies  ADB-05-04 July 29, 2005 Integrity Management Notifications for Gas Transmission Lines ADB-05-05 August 10, 2005 Pipeline Safety Advisory Bulletin - Inspecting and Testing Pilot-Operated Pressure Relief Valves  ADB-05-06 August 11, 2005 ADB-05-06 - Pipeline Safety - Countermeasures to Prevent Human Fatigue in
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Pressure Relief Valves ADB-05-06 August 11, 2005 ADB-05-06 - Pipeline Safety - Countermeasures to Prevent Human Fatigue in
ADB-05-06 August 11, 2005 ADB-05-06 - Pipeline Safety - Countermeasures to Prevent Human Fatigue in
<b>8</b> ,
the Control Room
ADB-05-07 September 7, 2005 Pipeline Safety Advisory - Potential for damage to Natural Gas Distribution
Pipeline Facilities Caused by the Passage of Hurricane Katrina
ADB-05-08 September 7, 2005 Pipeline Safety Advisory - Potential for damage to Pipeline Facilities Caused
by the Passage of Hurricane Katrina
ADB-06-01 January 17, 2006 Pipeline Safety: Notice to Operators of Natural Gas and Hazardous Liquid
Pipelines To Integrate Operator Qualification Regulations into Excavation
Activities
ADB-06-02 June 16, 2006 Submission of Public Awareness Programs for Review
ADB-06-03 November 22, 2006 Pipeline Safety-Notice to Operators of Natural Gas and Hazardous Liquid
Pipelines to Accurately Locate and Mark Underground Pipelines Before
Construction-Related Excavation Activities Commence Near the Pipelines
ADB-06-04 December 28, 2006 Pipeline Safety: Lessons Learned From a Security Breach at a Liquefied
Natural Gas Facility

For more PHMSA Advisory Bulletins, go to <a href="http://ops.dot.gov/regs/advise.htm">http://ops.dot.gov/regs/advise.htm</a>