Abbreviated Procedures
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 Inspection Memorandum
Inspector/Submit Date: Al Jones / 10/1/ 2009	**Sr. Eng Review Date:** D. Lykken 10/5/2009 **Peer Review/Date:** T. Finch 10/7/2009 **Director Approval/Date:**

POST INSPECTION MEMORANDUM (PIM)

Name of Operator:	TransCanada – GTN system	**OPID #:**	15014
Name of Unit(s):	Rosalia District	**Unit #(s):**	66685
Records Location:	Spokane, WA		
Unit Type & Commodity:	Interstate Natural Gas		
Inspection Type:	Standard Pipeline & Compressor Sta.	**Inspection Date(s):**	8/24-27, 9/8-11/2009
PHMSA Representative(s):	Al Jones, UTC	**AFO Days:**	8

Summary:
The Rosalia District is predominantly located across wheat fields except for the Spokane Valley area where serious encrochment along the ROW has occurred. From the Spokane Gate the 36-inch diameter pipeline has been smart pigged with a MFL tool to the Snake River and the 42-inch pipeline has not been inspected with an ILI tool because the pipeline reduces in size from 42 to 36-inch diameter at the river crossing. During the inspection, except for the last day, the rectifiers were not operating and have been off for the past four weeks. To have the impressed current off for that period of time is not necessary or benficial for accuring native values. The decay of the impressed current can be measured in hours in a single day and not practical to interrupt the system for weeks.

Findings:
I found the Multi Skills Technicians, Patrick Brown and James Olson, and Regulatory Specialist, Kurt Smith, to be exceptional employees possessing good technical skills. It is recommended that the Technicians have the opportunity to obtain pipeline training in cathodic protection systems by attending the National Association of Corrosion Engineers (NACE) courses. I found the cathodic protection (CP) system for the Rosalia District has serious issues including:

- Deficient CP values discovered during the 2007 inspection at the Spokane Gate Station have not been mitigated,
- High CP impressed current was discovered on the fuel line to the Control Room Building at the Rosalia Compressor Station, and
- The rectifiers for the impressed current systems were turned off for an extended period of time.

I am not convinced that TransCanada has an effective CP program to manage the CP issues for the Rosalia District and recommend that the District Technicians receive the necessary training to manage and maintain the CP systems for the

District.

Abbreviated Procedures
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Name of Operator:	**TransCanada, GTN System**		
OP ID No. [1] **15014**		**Unit ID No.** [1] **66685**	
HQ Address:		**System/Unit Name & Address:** [1]	
1400 SW 5th Ave **Suite 900** **Portland, OR 97201**		**Rosalia District** **534 E. Spokane Fall Blvd.** **Spokane, WA 99202**	
Co. Official:	**Jeff Rush** **Vice President & General Manager** **U.S. Western Pipe Region** **cc: Ross Parker, Director** **U.S. Western Pipe Region**	**Activity Record ID No.:**	**124002**
Phone No.:	**Jeff Rush: 503-833-4100** **Ross Parker: 503-833-4001**	**Phone No.:**	**509-533-2832**
Fax No.:	**503-833-4927**	**Fax No.:**	**509-533-2825**
Emergency Phone No.:	**800-447-8066**	**Emergency Phone No.:**	**800-447-8066**

Persons Interviewed	Title	Phone No.
Kurt Smith	Pipe Regulatory Specialist	509-546-8865
Pat Brown	Multi-Skills Technician	509-533-4211
James Olson	Multi-Skills Technician	509-533-4211

PHMSA Representative(s) [1]	**Inspection Date(s)** [1]
Company System Maps (Copies for Region Files):	**Spokane District Office**

Unit Description:
The Rosalia District, located in Eastern Washington, extends from the Idaho/Washington border, near Spokane, south to the Snake River, approximately 100 miles in length in Spokane and Whitman Counties. The transmission line is primarily in Class 1 location, except Class 2 (14 miles) and Class 3 (7 miles) locations through the Spokane Valley.

Portion of Unit Inspected: [1]
The sections of pipeline inspected include a 36-inch and two 42-inch diameter pipelines from the Washington/Idaho border (MP 106.8) to the Spokane Gate Station (MP 108.2) and two south bound pipelines including 36-inch and 42-inch from the Spokane Gate Station to the Snake River crossing (MP 206.7). The compressor station located at Rosalia, includes a Mars Solar (14K Hp), Titan Solar (19.5K Hp), and a LM-1500, GE (12.5K Hp) turbines. Meter Station located at Spokane, Mica, Spangle, Rosalia, St. John, and LaCrosse were inspected for regulator lockup, set point, overpressure protection, and the facilities in general. During the right-of-way inspection, the line markers were inspected for emergency information, at C/P test sites include: casings, rectifier units and numerous pipe-to-soil readings (See Field Data Report for details). There are no direct sales customers.

[1] Information not required if included on page 1.

Abbreviated Procedures
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For gas transmission pipeline inspections, the attached evaluation form should be used in conjunction with 49 CFR 191 and 192 during PHMSA inspections. 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 03/23/04 and 03/23/09.

Western Region: Conducted abbreviated procedures inspection on 192 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)

X	Team inspection was performed (Within the past five years.) or,	Date:	Nov. 2006
	Western Region Inspector reviewed the O & M Manual (Since the last yearly review of the manual by the operator.)	Date:	

49 CFR PART 192

			S	U	N/A	N/C
.605(a)		CHANGE in CLASS LOCATION PROCEDURES				
*	.611	Confirmation or revision of MAOP. Final Rule Pub. 10/17/08, eff. 12/22/08.	X			

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

		PUBLIC AWARENESS PROGRAM PROCEDURES (Also in accordance with API RP 1162)	S	U	N/A	N/C
.605(a) *	.616	Public Awareness Program also in accordance with API RP 1162. Amdt 192-99 pub. 5/19/05 eff. 06/20/05.				
	.616(d)	The operator's program must specifically include provisions to educate the public, appropriate government organizations, and persons engaged in excavation related activities on:				
		(1) Use of a one-call notification system prior to excavation and other damage prevention activities;	X			
		(2) Possible hazards associated with unintended releases from a gas pipeline facility;	X			
		(3) Physical indications of a possible release;	X			
		(4) Steps to be taken for public safety in the event of a gas pipeline release; and	X			
		(5) Procedures to report such an event (to the operator).	X			
	.616(e)	The operator's program must include activities to advise affected municipalities, school districts, businesses, and residents of pipeline facility locations.	X			
	.616(f)	The operator's program and the media used must be comprehensive enough to reach all areas in which the operator transports gas.	X			
	.616(g)	The program conducted in English and any other languages commonly understood by a significant number of the population in the operator's area?	X			

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

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STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE

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If an item is marked U, N/A, or N/C, an explanation must be included in this report.

	.605(a)	MAOP PROCEDURES	S	U	N/A	N/C
		Note: If the operator is operating at 80% SMYS with waivers, the inspector needs to review the special conditions of the waivers.				
	.619	**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				1
*		(a)(3) The highest actual operating pressure to which the segment of line was subjected during the 5 years preceding the applicable date in second column, unless the segment was tested according to .619(a)(2) after the applicable date in the third column or the segment was uprated according to subpart K. Amdt 192-102 pub. 3/15/06, eff. 04/14/06. **For gathering line related compliance deadlines and additional gathering line requirements, refer to Part 192 including this amendment.**				1
*		(c) The requirements on pressure restrictions in this section do not apply in the following instance. An operator may operate a segment of pipeline found to be in satisfactory condition, considering its operating and maintenance history, at the highest actual operating pressure to which the segment was subjected during the 5 years preceding the applicable date in the second column of the table in paragraph (a)(3) of this section. An operator must still comply with § 192.611. Amdt 192-102 pub. 3/15/06, eff. 04/14/06. **For gathering line related compliance deadlines and additional gathering line requirements, refer to Part 192 including this amendment.**			X	
*	.620	If the pipeline is designed to the alternative MAOP standard in 192.620 does it meet the additional design requirements for: • General standards • Fracture control • Plate and seam quality control • Mill hydrostatic testing • Coating • Fittings and flanges • Compressor stations Final Rule Pub. 10/17/08, eff. 12/22/08.			X	

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.
Offshore gathering lines.	July 1, 1976.	July 1, 1971.
All other pipelines.	July 1, 1970.	July 1, 1965.

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

	.605(b)	ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES	S	U	N/A	N/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.			X	

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

.605(b)	COMPRESSOR STATION PROCEDURES	S	U	N/A	N/C

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If an item is marked U, N/A, or N/C, an explanation must be included in this report.

*					

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

.605(b)		PRESSURE LIMITING and REGULATING STATION PROCEDURES	S	U	N/A	N/C
*	.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	X			
*	.739(b)	For steel lines if MAOP is determined per .619(c) and the MAOP is 60 psi (414 kPa) gage or more . . . Amdt. 192-96 pub. 5/17/04, eff.10/8/04				
		If MAOP produces hoop stress that / Then the pressure limit is:				
		Is greater than 72 percent of SMYS / MAOP plus 4 percent	X			
		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 .201(a) except for .739(b), and be determined **1 per yr/15 mo.** Amdt. 192-96 pub. 5/17/04, eff.10/8/04	X			

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

.13(c)		WELDING AND WELD DEFECT REPAIR/REMOVAL PROCEDURES	S	U	N/A	N/C
*	.225	(a) Welding procedures must be qualified under **Section 5 of API 1104** (19th ed.1999, 10/31/01 errata) or **Section IX of ASME Boiler and Pressure Code** (2004 ed. Including addenda through July 1, 2005) by destructive test. Amdt.192-94 pub. 6/14/04, eff. 7/14/04; Amdt. 192-103 pub 06/09/06, eff. 07/10/06.				1
		Note: Alternate welding procedures criteria are addressed in API 1104 Appendix A, section A.3.				
*	.227	(a) Welders must be qualified by **Section 6 of API 1104** (19th ed.1999, 10/31/01 errata) or **Section IX of ASME Boiler and Pressure Code** (2004 ed. Including addenda through July 1, 2005) See exception in .227(b). Amdt.192-94 pub. 6/14/04, eff. 7/14/04; Amdt. 192-103 pub 06/09/06, eff. 07/10/06; Amdt. 192-103 corr. Pub 02/01/07 eff. 03/05/07.				1
*	.229(c)	(1) May not weld on pipe that operates at ≥ 20% SMYS unless within the preceding 6 calendar months the welder has had one weld tested and found acceptable under the **sections 6 or 9 of API Standard 1104**; may maintain an ongoing qualification status by performing welds tested and found acceptable at least **twice per year**, not exceeding **7½ months**; may not requalify under an earlier referenced edition. Amdt.192-94 pub. 6/14/04, eff. 7/14/04.				1
*	.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				1
		(1) Compliance with the welding procedure				1
		(2) Weld is acceptable in accordance with **Section 9 of API 1104**				1
*	.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				1

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If an item is marked U, N/A, or N/C, an explanation must be included in this report.

.13(c)	WELDING AND WELD DEFECT REPAIR/REMOVAL PROCEDURES	S	U	N/A	N/C
	Note: If the alternative acceptance criteria in API 1104 Appendix A are used, has the operator performed an Engineering Critical Assessment (ECA)?				

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

.273(b)		JOINING of PIPELINE MATERIALS	S	U	N/A	N/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.			X	
*	.285	Persons making joints with plastic pipe must be qualified Amdt.192-94 pub. 6/14/04, eff. 7/14/04			X	
*	.287	Persons inspecting plastic joints must be qualified Amdt.192-94 pub. 6/14/04, eff. 7/14/04			X	

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

.605(b)		CORROSION CONTROL PROCEDURES	S	U	N/A	N/C
*	.476	Systems designed to reduce internal corrosion Final Rule Pub. 4/23/07, eff. 5/23/07. (a) New construction	X			
		(b) Exceptions – offshore pipeline and systems replaced before 5/23/07			X	

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

.605(b)		UNDERWATER INSPECTION PROCEDURES – GULF of MEXICO and INLETS	S	U	N/A	N/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			X	
*	.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			X	

Comments:
Note 1: This item was reviewed in the O & M Manual since the effective date of the applicable amendment.

.801-.809	Subpart N — Qualification of Pipeline Personnel Procedures	S	U	N/A	N/C
	Refer to Operator Qualification Inspection Forms and Protocols (OPS web site)				

.901-951	Subpart O — Pipeline Integrity Management	S	U	N/A	N/C

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	This form does not cover Gas Pipeline Integrity Management Programs	

Subparts A - C	PART 199 – DRUG and ALCOHOL TESTING REGULATIONS and PROCEDURES	S	U	N/A	N/C
	Drug & Alcohol Testing & Alcohol Misuse Prevention Program – Use PHMSA Form # 13, PHMSA 2008 Drug and Alcohol Program Check.				

Comments:
Drug and Alcohol Programs were last audited in March 2008.

	PIPELINE INSPECTION (Field)	S	U	N/A	N/C
.179	Valve Protection from Tampering or Damage	X			
.463	Cathodic Protection	X			
.465	Rectifiers	X			
.476	Systems designed to reduce internal corrosion	X			
.479	Pipeline Components Exposed to the Atmosphere	X			
.605	Knowledge of Operating Personnel	X			
.612 (c) (2)	Pipelines exposed on seabed (Gulf of Mexico and Inlets): Marking			X	
613(b), .703	Pipeline condition, unsatisfactory conditions, hazards, etc.	X			
.707	ROW Markers, Road and Railroad Crossings	X			
.719	Pre-pressure Tested Pipe (**Markings and Inventory**)	X			
.739/.743	Pressure Limiting and Regulating Devices (spot-check field installed equipment vs. inspection records)	X			
.745	Valve Maintenance	X			
.751	Warning Signs	X			
.801 - .809	Operator Qualification - Use PHMSA Form 15 Operator Qualification Field Inspection Protocol Form	X			

Comments:

	COMPRESSOR STATIONS INSPECTION (Field) (Note: Facilities may be "Grandfathered")	S	U	N/A	N/C
.163 (c)	Main operating floor must have (at least) two (2) separate and unobstructed exits	X			
	Door latch must open from inside without a key	X			
	Doors must swing outward	X			
(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit	X			
	Each gate located within 200 ft of any compressor plant building must open outward	X			
	When occupied, the door must be opened from the inside without a key	X			
(e)	Does the equipment and wiring within compressor stations conform to the **National Electric Code, ANSI/NFPA 70?**	X			
.165(a)	If applicable, are there liquid separator(s) on the intake to the compressors?	X			
.165(b)	Do the liquid separators have a manual means of removing liquids?	X			

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	COMPRESSOR STATIONS INSPECTION (Field) (Note: Facilities may be "Grandfathered")	S	U	N/A	N/C
	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?	X			
.167(a)	ESD system must:				
	- Discharge blowdown gas to a safe location	X			
	- Block and blowdown the gas in the station	X			
	- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers	X			
	- Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage	X			
	ESD system must be operable from at least two locations, each of which is:				
	- Outside the gas area of the station	X			
	- Not more than 500 feet from the limits of the station	X			
	- ESD switches near emergency exits?	X			
.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?			X	
.167(c)	Are ESDs on platforms designed to actuate automatically by…				
	- For unattended compressor stations, when:				
	▪ The gas pressure equals MAOP plus 15%?			X	
	▪ An uncontrolled fire occurs on the platform?			X	
	- For compressor station in a building, when				
	▪ An uncontrolled fire occurs in the building?	X			
	▪ 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)?	X			
.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.	X			
(b)	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?	X			
(c)	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?	X			
(d)	Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?	X			
(e)	Are the mufflers equipped with vents to vent any trapped gas?	X			
.173	Is each compressor station building adequately ventilated?	X			
.457	Is all buried piping cathodically protected?	X			
.481	Atmospheric corrosion of aboveground facilities	X			
.603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?	X			
	Are facility maps current/up-to-date?	X			
.615	Emergency Plan for the station on site?	X			
.707	Markers	X			
.731	Overpressure protection – reliefs or shutdowns	X			
.735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?	X			
	Are aboveground oil or gasoline storage tanks protected in accordance with **NFPA standard No. 30?**	X			
.736	Gas detection – location	X			

Comments:

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Comments:

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

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

	CONSTRUCTION PERFORMANCE and RECORDS	S	U	N/A	N/C
.225	Test Results to Qualify Welding Procedures			X	
.227	Welder Qualification			X	
.241 (a)	Visual Weld Inspector Training/Experience			X	
.243 (b)(2)	Nondestructive Technician Qualification			X	
(c)	NDT procedures			X	
(f)	Total Number of Girth Welds			X	
(f)	Number of Welds Inspected by NDT			X	
(f)	Number of Welds Rejected			X	
(f)	Disposition of each Weld Rejected			X	
.303	Construction Specifications			X	
.325	Underground Clearance			X	
.327	Amount, Location, Cover of each Size of Pipe Installed			X	
.328	If the pipeline will be operated at the alternative MAOP standard calculated under 192.620 (80% SMYS) does it meet the additional construction requirements for: Quality assurance, Girth welds, depth of cover, initial strength testing, and interference currents?			X	
.455	Cathodic Protection			X	

		OPERATIONS and MAINTENANCE PERFORMANCE and RECORDS	S	U	N/A	N/C
.16		Customer Notification (**Verification – 90 days – and Elements**)			X	
.603(b)	.605(a)	Procedural Manual Review – Operations and Maintenance (**1 per yr/15 months**)	X			
.603(b)	.605(c)	Abnormal Operations			X	
.603(b)	.605(b)(3)	Availability of construction records, maps, operating history to operating personnel		X		
.603(b)	.605(b)(8)	Periodic review of personnel work – effectiveness of normal O&M procedures	X			
.603(b)	.605(c)(4)	Periodic review of personnel work – effectiveness of abnormal operation procedures	X			

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OPERATIONS and MAINTENANCE PERFORMANCE and RECORDS			S	U	N/A	N/C
.709	.609	Class Location Study (**If Applicable**)	X			
.603(b)	.612(b)	Gulf of Mexico/inlets: Periodic underwater inspections based on the identified risk			X	
.709	.614	Damage Prevention (**Miscellaneous**)	X			
.603(b)	.615(b)(1)	Location Specific Emergency Plan	X			
.603(b)	.615(b)(2)	Emergency Procedure training, verify effectiveness of training	X			
.603(b)	.615(b)(3)	Employee Emergency activity review, determine if procedures were followed.	X			
.603(b)	.615(c)	Liaison Program with Public Officials	X			
.603(b)	.616	Public Awareness Program				
	.616(e & f)	Documentation properly and adequately reflects implementation of operator's Public Awareness Program requirements - Stakeholder Audience identification, message type and content, delivery method and frequency, supplemental enhancements, program evaluations, etc. (i.e. contact or mailing rosters, postage receipts, return receipts, audience contact documentation, etc. for emergency responder, public officials, school superintendents, program evaluations, etc.). See table below:	X			

API RP 1162 Baseline* Recommended Message Deliveries	
Stakeholder Audience (Natural Gas Transmission Line Operators)	
Residents Along Right-of-Way and Places of Congregation	**Baseline Message Frequency (starting from effective date of Plan)**
Emergency Officials	2 years
Public Officials	Annual
Excavator and Contractors	3 years
One-Call Centers	Annual
Stakeholder Audience (Gathering Line Operators)	As required of One-Call Center
Residents and Places of Congregation	**Baseline Message Frequency**
Emergency Officials	Annual
Public Officials	Annual
Excavators and Contractors	3 years
One-Call Centers	Annual
* Refer to API RP 1162 for additional requirements, including general program recommendations, supplemental requirements, recordkeeping, program evaluation, etc.	As required of One-Call Center

	.616(g)	The program must be conducted in English and any other languages commonly understood by a significant number of the population in the operator's area.	X			
.517		Pressure Testing	X			
.553(b)		Uprating	X			
.709	.619 / .620	Maximum Allowable Operating Pressure (**MAOP**)	X			
.709	.625	Odorization of Gas			X	
.709	.705	Patrolling (**Refer to Table Below**)	X			

Class Location	At Highway and Railroad Crossings	At All Other Places
1 and 2	**2/yr (7½months)**	**1/yr (15 months)**
3	**4/yr (4½months)**	**2/yr (7½months)**
4	**4/yr (4½months)**	**4/yr (4½months)**

.709	.706	Leak Surveys (**Refer to Table Below**)	X			

Abbreviated Procedures
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.

OPERATIONS and MAINTENANCE PERFORMANCE and RECORDS			S	U	N/A	N/C

Class Location	Required	Not Exceed
1 and 2	1/yr	15 months
3	2/yr*	7½months
4	4/yr*	4½months

* Leak **detector equipment** survey required for lines transporting un-odorized gas.

.709	.731(a)	Compressor Station Relief Devices **(1 per yr/15 months)**	X			
.709	.731(c)	Compressor Station Emergency Shutdown **(1 per yr/15 months)**	X			
.709	.736(c)	Compressor Stations – Detection and Alarms **(Performance Test)**		X		
.709	.739	Pressure Limiting and Regulating Stations **(1 per yr/15 months)**	X			
.709	.743	Pressure Limiting and Regulator Stations – Capacity **(1 per yr/15 months)**	X			
.709	.745	Valve Maintenance **(1 per yr/15 months)**	X			
.709	.749	Vault Maintenance **(≥ 200 cubic feet)(1 per yr/15 months)**			X	
.603(b)	.751	Prevention of Accidental Ignition (hot work permits)	X			
.603(b)	.225(b)	Welding – Procedure			X	
.603(b)	.227/.229	Welding – Welder Qualification			X	
.603(b)	.243(b)(2)	NDT – NDT Personnel Qualification			X	
.709	.243(f)	NDT Records **(Pipeline Life)**	X			
.709	Repair: pipe **(Pipeline Life)**; Other than pipe **(5 years)**		X			

Comments:
Rosalia District field staff did not have current field maps such as alignment sheets in their vehicles that identifies pipeline location, lateral, and foreign crossing information. The alignments sheets were last updated in 2002. A computer based mapping system is available to staff at their office with current information such as foreign crossings, but staff are not able to print copies or have the information in the field.

The Control Room at the Rosalia Compressor Station uses un-odorized natural gas for domestic heating and hot water located in the auxiliary/utility room. The room has a gas sensor and alarm, but the alarm does not register in the control room to alert staff of a potential gas leak.

CORROSION CONTROL PERFORMANCE and RECORDS			S	U	N/A	N/C
.453	CP procedures (system design, installation, operation, and maintenance) must be carried out by qualified personnel		X			
.491	.491(a)	Maps or Records	X			
.491	.459	Examination of Buried Pipe when Exposed	X			
.491	.465(a)	Annual Pipe-to-soil Monitoring **(1 per yr/15 months)** or short sections **(10 % per year, all in 10 years)**	X			
.491	.465(b)	Rectifier Monitoring **(6 per yr/2½months)**	X			
.491	.465(c)	Interference Bond Monitoring – Critical **(6 per yr/2½ months)**			X	
.491	.465(c)	Interference Bond Monitoring – Non-critical **(1 per yr/15 months)**			X	
.491	.465(d)	Prompt Remedial Actions		X		
.491	.465(e)	Unprotected Pipeline Surveys, CP active corrosion areas **(1 per 3 cal yr/39 months)**			X	
.491	.467	Electrical Isolation **(Including Casings)**	X			
.491	.469	Test Stations – Sufficient Number	X			
.491	.471	Test Leads	X			
.491	.473	Interference Currents	X			
.491	.475(a)	Internal Corrosion; Corrosive Gas Investigation	X			

Abbreviated Procedures

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		CORROSION CONTROL PERFORMANCE and RECORDS	S	U	N/A	N/C
.491	.475(b)	Internal Corrosion; Internal Surface Inspection; Pipe Replacement	X			
.491	.476 (d)	Internal Corrosion; New system design; Evaluation of impact of configuration changes to existing systems			X	
.491	.477	Internal Corrosion Control Coupon Monitoring **(2 per yr/7½ months)**			X	
.491	.481	Atmospheric Corrosion Control Monitoring **(1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore)**	X			
.491	.483/.485	Remedial: Replaced or Repaired Pipe; coated and protected; corrosion evaluation and actions	X			

Comments:

During the 2007 inspection and report, the 6-inch diameter buried looped piping at the Spokane Gate Station, between the heater and meter station had a pipe-to-soil value of approximately -443mvDC, on. The pipes are coated, located near concrete footings, and less than 60 feet in length. Test data for 2006 and 2007 indicated native potentials are approximately -229 and -411mvDC, respectively. During the 2009 inspection the buried looped piping between the heater and meter station had a pipe-to-soil potential of -210mvDC, off. The rectifier was turned off for the past four week to measure the native potentials. I was informed the District has scheduled for this year the installation of anodes in proximity to the piping to improve the CP.

The Control Room Building at the Rosalia Compressor Station uses un-odorized gas for domestic heating and hot water located in the auxiliary/utility room, attached to the Control Room. The fuel line to this part of the building

has a pipe-to-soil potential of -5.328 v DC, on. This potential is too high and could damage the fuel line coating.

Leave this list with the operator.

Recent PHMSA Advisory Bulletins (Last 2 years)

Number	Date	Subject
ADB-07-01	April 27, 2007	Pipeline Safety: Senior Executive Signature and Certification of Integrity Management Program Performance Reports
ADB-07-02	September 6, 2007	Pipeline Safety: Updated Notification of the Susceptibility to Premature Brittle-Like Cracking of Older Plastic Pipe
ADB-07-02	February 29, 2008	Correction - Pipeline Safety: Updated Notification of the Susceptibility to Premature Brittle-Like Cracking of Older Plastic Pipe
ADB-08-01	May 13, 2008	Pipeline Safety - Notice to Operators of Gas Transmission Pipelines on the Regulatory Status of Direct Sales Pipelines
ADB-08-02	March 4, 2008	Pipeline Safety - Issues Related to Mechanical Couplings Used in Natural Gas Distribution Systems
ADB-08-03	March 10, 2008	Pipeline Safety - Dangers of Abnormal Snow and Ice Build-Up on Gas Distribution Systems
ADB-08-04	June 5, 2008	Pipeline Safety - Installation of Excess Flow Valves into Gas Service Lines
ADB-08-05	June 25, 2008	Pipeline Safety - Notice to Hazardous Liquid Pipeline Operators of Request for Voluntary Adv Notification of Intent To Transport Biofuels
ADB-08-06	July 2, 2008	Pipeline Safety - Dynamic Riser Inspection, Maintenance, and Monitoring Records on Offshore Floating Facilities

For more PHMSA Advisory Bulletins, go to http://ops.dot.gov/regs/advise.htm