

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: NORTHERN ILLINOIS GAS CO.	Operator ID#: 13710
Inspection Date(s): 10/4/2012 (Half)	Man Days: 0.5
Inspection Unit: NICOR - Sycamore/Naperville (Records only)	
Location of Audit: Naperville	
Exit Meeting Contact: Leticia Quezada	
Inspection Type: Standard Inspection Plan Review	
Pipeline Safety Representative(s): Charles Gribbins	
Company Representative to Receive Report: Leticia Quezada	
Company Representative's Email Address: lquezad@aglresources.com	

Headquarters Address Information:	P. O. Box 190 Rt. 59 & I-88 Aurora, IL 60507 Emergency Phone#: Fax#:	
Official or Mayor's Name:	Ralph Cleveland Phone#: (000) 000-0000 Email:	
Inspection Contact(s)	Title	Phone No.
Quezada Letty	Manager of Compliance Assurance	

REPORTING PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
191.5	Does the operator's procedure require Telephonic Notices of Incidents reported to the NRC (800-424-8802)?	Not Checked
191.9(a)	Does the operator's procedure require a DOT Incident Report Form 7100.1 submitted within 30 days after detection of an incident?	Not Checked
191.9(b)	Does the operator's procedure require a supplemental incident report when deemed necessary? (Form F7100.1)	Not Checked
191.15(a)	Does the operator's procedure require a DOT Incident Report Form 7100-2 submitted within 30 days after detection of an incident?	Not Checked
191.15(c)	Does the operator's procedure require a supplemental incident report when deemed necessary? (Form F7100-2)	Not Checked

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191.23	Does the operator's procedure require reporting of Safety-Related Conditions (SRCR)?	Not Checked
191.25	Does the operator's procedure require filing the SRCR within 5 days of determination, but not later than 10 days after discovery?	Not Checked
191.23	Does the operator's procedure contain instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions?	Not Checked
595.120.(a)	Reports of Accidents: Does the operator have provisions for reporting accidents or damage to the ICC? (217-782-5050)	Not Checked
CUSTOMER NOTIFICATION AND EFV INSTALLATION PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.16	Does the operator have procedures for notifying new customers, within 90 days, of their responsibility for those sections of service not maintained by the operator?	Not Checked
192.381	Does the operator's procedure require that when EFVs are installed on single family residents that shall at a minimum meet the performance requirements of §192.381?	Not Checked
INSTALLATION OF TRANSMISSION & DISTRIBUTION MAIN PIPE		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.319	Does the operator's procedure contain specifications for installation of transmission line or main in a ditch?	Not Checked
192.321	Does the operator's procedure contain specifications for installation of plastic pipe in the ditch including a means of locating pipe?	Not Checked
192.323	Does the operator's procedure contain casing requirements?	Not Checked
192.325	Does the operator's procedure contain underground clearance specifications?	Not Checked
192.327	Does the operator's procedure specify the amount of cover required for various types of installations?	Not Checked
SERVICE LINE INSTALLATION		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.361	Does the operator's procedure include service line installation standards such as depth?	Not Checked
192.361	Does the operator's procedure include service line installation standards such as support and backfill	Not Checked
192.361	Does the operator's procedure include service line installation standards such as protection against strain and loading	Not Checked
192.361	Does the operator's procedure include service line installation standards such as installation of service line into a building	Not Checked
192.361	Does the operator's procedure include service line installation standards such as installation of service line under a building	Not Checked

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192.365	Does the operator's procedure address service line valve location?	Not Checked
192.367	Does the operator's procedure include specifications for service line connection to the main?	Not Checked
CUSTOMER METERS AND REGULATORS		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.353	Does the operator's procedure contain requirements for the location of meters and regulators?	Not Checked
192.355	Does the operator's procedure contain provisions to protect customer's meters and regulators from damage?	Not Checked
192.357(a)	Does the operator's procedure require each regulator and meter to be installed so as to minimize anticipated stresses upon the connecting piping and the meter?	Not Checked
192.357(d)	Does the operator's procedure require each regulator that might release gas in its operation to be vented to the outside atmosphere?	Not Checked
NORMAL OPERATING AND MAINTENANCE PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.605(a)	Does the operator's procedure require the O&M Plan to be reviewed and updated at a minimum of 1 per year/15 months?	Not Checked
Does the operator's procedure require the OQ Plan to be reviewed and updated in connection with the O&M Plan review at a minimum of 1 per year/15 months?		Not Checked
Do procedures clearly include the name of the reviewer and dates of reviews?		Not Checked
192.605(b) (3)	Does the operator's procedure require making construction records, maps, and operating history available to appropriate operating personnel?	Not Checked
192.605(b) (5)	Does the operator's procedure contain provisions for start up and shut down of a pipeline to assure operation within MAOP plus allowable buildup?	Not Checked
192.605(b) (8)	Does the operator's procedure contain provisions for periodically reviewing the work done by operator's personnel to determine the effectiveness and adequacy of the procedures used in normal operation and maintenance and modifying the procedures when deficiencies are found?	Not Checked
192.605(b) (9)	Does the operator's procedure contain provisions taking for adequate precautions in excavated trenches to protect personnel from the hazards of unsafe accumulations of vapors or gas, and making available when needed at the excavation, emergency rescue equipment, including a breathing apparatus and a rescue harness and line?	Not Checked
192.605(b) (9)	If the plan does not include the provisions required above, does the plan prohibit the personnel from entering excavated trenches that may be hazardous?	Not Checked
ABNORMAL OPERATING PROCEDURES FOR TRANSMISSION		Status
<u>Category Comment:</u>		

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This section still pending review at the General Office Naperville.

192.605(c)(1)(i)	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of unintended closure of valves or shut downs?	Not Checked
192.605(c)(1)(ii)	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of increase or decrease in pressure or flow rate outside of normal operating limits?	Not Checked
192.605(c)(1)(iii)	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of loss of communications?	Not Checked
192.605(c)(1)(iv)	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of the operation of any safety device?	Not Checked
192.605(c)(1)(v)	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of any other foreseeable malfunction of a component, deviation from normal operations or personnel error?	Not Checked
192.605(c)(2)	Does the operator's procedure contain provisions for checking variations from normal operation after abnormal operations ended at sufficient critical locations?	Not Checked
192.605(c)(3)	Does the operator's procedure contain provisions for notifying the responsible operating personnel when notice of an abnormal operation is received?	Not Checked
192.605(c)(4)	Does the operator's procedure contain provisions for periodically reviewing the response of operating personnel to determine the effectiveness of the procedures and taking corrective action where deficiencies are found?	Not Checked

CHANGE IN CLASS LOCATION PROCEDURES

Status

Category Comment:

This section was previously reviewed on March 8-15-2012.

192.609	Does the operator's procedure contain provisions for conducting a class location survey whenever an increase in populations density indicates a change in class location or a segment of an existing steel pipeline operating at a hoop stress that is more than 40 percent of SMYS, or indicates that the hoop stress corresponding to the established MAOP for a segment of existing pipeline is not commensurate with the present class location?	Not Checked
192.611	In the event a change in class location becomes necessary does the manual contain procedures for confirmation or revision of the MAOP?	Not Checked

CONTINUING SURVEILLANCE PROCEDURES

Status

Category Comment:

This section was previously reviewed on March 8-15-2012.

192.613(a)	Does the operator's procedure include requirements for continuing surveillance of facilities to determine and take appropriate action concerning class location changes?	Not Checked
192.613(a)	Does the operator's procedure include requirements for continuing surveillance of facilities to determine and take appropriate action concerning failures?	Not Checked
192.613(a)	Does the operator's procedure include requirements for continuing surveillance of facilities to determine and take appropriate action concerning leak history?	Not Checked

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192.613(a)	Does the operator's procedure include requirements for continuing surveillance of facilities to determine and take appropriate action concerning corrosion?	Not Checked
192.613(a)	Does the operator's procedure include requirements for continuing surveillance of facilities to determine and take appropriate action concerning changes in cathodic protection requirements?	Not Checked
192.613(a)	Does the operator's procedure include requirements for continuing surveillance of facilities to determine and take appropriate action concerning other unusual operating conditions?	Not Checked
192.613(b)	Does the operator's procedure include requirements for reducing the MAOP, or other actions to be taken, if a segment of pipeline is in unsatisfactory condition?	Not Checked
192.459	Does operator have procedures for determining if exposed cast iron was examined for evidence of graphitization and, if necessary, were remedial actions taken?	Not Checked
192.489	Does the operator's procedure include requirements for surveillance of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leak history, or any other unusual operating maintenance conditions?	Not Checked
DAMAGE PREVENTION PROGRAM PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.614(c)(1)	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- identifies persons who engage in excavating?	Not Checked
192.614(c)(2)	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- provides notification to the public in the One Call area?	Not Checked
192.614(c)(3)	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- provides means for receiving and recording notifications of pending excavations?	Not Checked
192.614(c)(4)	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- provides notification of pending excavations to the members?	Not Checked
192.614(c)(5)	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- provides means of temporary marking for the pipeline in the vicinity of the excavations?	Not Checked
192.614(c)(6)(i)	Does the operator's procedure provide for follow-up inspection of the pipeline where there is reason to believe the pipeline could be damaged- Inspection must be done to verify integrity of the pipeline?	Not Checked
192.614(c)(6)(ii)	Does the operator's procedure provide for follow-up inspection of the pipeline where there is reason to believe the pipeline could be damaged- After blasting, a leak survey must be conducted as part of the inspection by the operator?	Not Checked
Has the Operator adopted the applicable Common Ground Alliance Best Practices?		Yes
Does the operator have adequate directional drilling/boring procedures to determine effective actions to protect their underground facilities		Yes

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from the dangers posed by directional drilling and other trenchless technology? A pipeline operator's damage prevention program shall include actions to protect their facilities when directional drilling operations are conducted in proximity to the pipeline. These procedures should include, but are not limited to, accurately locating underground piping and reviewing personnel qualifications?		
IL ADM. CO.265.100(b)	Does the operator have procedures to report third party damage to mains, when a release of gas occurs, reported to ICC JULIE Enforcement?	Not Checked
EMERGENCY PROCEDURES		Status
192.615(a)(9)	Does the operator have procedures for restoring service outages after the emergency has been rendered safe?	Satisfactory
<u>General Comment:</u>		
<i>Staff reviewed procedure SP CUST Care 14</i>		
192.615(a)(1)	Does the operator have procedures for receiving, identifying, and classifying notices of events which require immediate response by the operator?	Satisfactory
<u>General Comment:</u>		
<i>Section II of Emergency Plan & Section III Types of Emergencies</i>		
192.615(a)(2)	Does the operator have procedures for establishing and maintaining communication with appropriate public officials regarding possible emergency?	Satisfactory
<u>General Comment:</u>		
<i>Appendix A Section IV 4A Response to a fire or explosion.</i>		
192.615(a)(3)(i)	Does the operator have procedures for prompt response to gas detected inside or near a building?	Satisfactory
<u>General Comment:</u>		
<i>Section IV 4C Inside leak</i>		
192.615(a)(3)(ii)	Does the operator have procedures for prompt response to a fire located near a pipeline?	Satisfactory
<u>General Comment:</u>		
<i>Section IV 4A Fire</i>		
192.615(a)(3)(iii)	Does the operator have procedures for prompt response to an explosion near a pipeline?	Satisfactory
<u>General Comment:</u>		
<i>Section IV 4A & F Explosion</i>		
192.615(a)(3)(iv)	Does the operator have procedures for prompt response to natural disasters?	Satisfactory
<u>General Comment:</u>		
<i>Section IV 4E Natural Disaster SPO 40-21-114 follow-up procedures</i>		
192.615(a)(4)	Does the operator have procedures for the availability of personnel, equipment,	Satisfactory

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	instruments, tools, and material required at the scene of an emergency?	
General Comment:		
<i>Emergency Materials Section IV</i>		
192.615(a)(5)	Does the operator have procedures for actions directed towards protecting people first, then property?	Satisfactory
General Comment:		
<i>Section 1 Purpose and Scope</i>		
192.615(a)(6)	Does the operator have procedures for emergency shutdown or pressure reduction to minimize hazards to life or property?	Satisfactory
General Comment:		
<i>Section 5-16 System Operations Plan, Critical FAC #1, and Response to emergencies.</i>		
192.615(a)(7)	Does the operator have procedures to require making safe any actual or potential hazard to life or property?	Satisfactory
General Comment:		
<i>Section IV A. i. b.</i>		
192.615(a)(8)	Does the operator have procedures requiring the notification of appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials?	Satisfactory
General Comment:		
<i>Customer Service Section 14 Response to Emergencies Section 4</i>		
192.615(a)(10)	Does the operator have procedures for investigating accidents and failures as soon as possible after the emergency?	Satisfactory
General Comment:		
<i>Section titled ICC Investigation 2011 ICC Investigation Guide</i>		
192.615(b)(1)	Does the operator have procedures for furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action?	Satisfactory
General Comment:		
<i>Annual Supervisor Training 2,105 Emergency Plan O&M Plan Umbrella Document & TT0175</i>		
192.615(b)(2)	Does the operator have procedures for training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training?	Satisfactory
General Comment:		
<i>Annual Supervisor Training 2.105 & TT0175 Training conducted 4th Quarter each year.</i>		
192.615(b)(3)	Does the operator have procedures for reviewing employee activities to determine whether the procedures were effectively followed in each emergency?	Satisfactory
General Comment:		

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Standard Practice Technical Services 5

192.615(c)	Does the operator have procedures to establish and maintain liaison with appropriate public officials, such that both the operator and public officials are aware of each other's resources and capabilities in dealing with gas emergencies?	Satisfactory
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General Comment:

In the O&M Plan page 11 PO A-37, Power point presentation, Emergency Planning and preparedness

Does the operator have procedures for leaks caused by excavation damage near buildings and determine whether the procedures adequately address the possibility of multiple leaks and underground migration of gas into nearby buildings?		Yes
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General Comment:

SPO-40 Investigating Damaged Gas Facilities.

FAILURE INVESTIGATION PROCEDURES	Status
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Category Comment:

This section was previously reviewed on March 8-15-2012.

192.617	Does the operator have procedures for analyzing accidents and failures, including laboratory analysis where appropriate, to determine cause and prevention of recurrence?	Not Checked
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MAOP PROCEDURES	Status
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Category Comment:

This section was previously reviewed on March 8-15-2012.

192.621	Does the operator have procedures for establishing the MAOP for High Pressure Distribution Systems?	Not Checked
192.623	Does the operator have procedures for establishing the Minimum and Maximum Allowable Operating Pressure Low Pressure Distribution Systems?	Not Checked
192.619	Does the operator have procedures for establishing MAOP so that it is commensurate with the class location?	Not Checked
192.619(a)(1)	Is MAOP determined by design and test? or	Not Checked
192.619(a)(2)	Does the operator have procedures requiring the MAOP to be determined by test pressure divided by applicable factor?	Not Checked
192.619(a)(3)	Does the operator have procedures requiring the MAOP to be determined by highest operating pressure to which the segment of line was subjected between July 1, 1965 and July 1, 1970?	Not Checked
192.619(a)(4)	Does the operator have procedures requiring the MAOP to be determined by the maximum safe pressure determined by operator?	Not Checked
192.619(b)	Does the operator have procedures requiring overpressure devices be installed if .619 (a) (4) is applicable?	Not Checked

PRESSURE TEST PROCEDURES	Status
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Category Comment:

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192.13(c)	Does the plan allow for the use of pre-tested pipe for repairs?	Not Checked
192.503(a)(1)	Does the operator's procedure prohibit operating a new segment of pipeline, or return to service a segment of pipeline that has been relocated or replaced, until it is pressure tested in accordance with this subpart and §192.619 to substantiate the maximum allowable operating pressure; and	Not Checked
192.503(a)(2)	Does the operator's procedure prohibit operating a new segment of pipeline, or return to service a segment of pipeline that has been relocated or replaced, until all potentially hazardous leaks have been located and eliminated?	Not Checked
192.503(b)(1)-(3)	Does the operator's procedure indicate that, for a new segment of pipeline, or a segment of pipeline that has been relocated or replaced, the pressure test medium must be liquid, air, natural gas, or inert gas that is compatible with the material of which the pipeline is constructed, relatively free of sedimentary materials, and except for natural gas, nonflammable?	Not Checked
192.503(d)	Does the operator's procedure indicate that each joint used to tie in a test segment of pipeline is excepted from the specific test requirements of this subpart, but each non-welded joint must be leak tested at not less than its operating pressure?	Not Checked
192.505(b)	Except for service lines, Does the operator's procedure include requirements for strength testing of pipe to operate at a hoop stress of 30% of SMYS or more which are based on class location?	Not Checked
192.505(c)	Except for service lines, Does the operator's procedure include requirements for strength testing of pipe to operate at a hoop stress of 30% of SMYS or more requirements included for strength testing of pipe to operate at a hoop stress of 30% of SMYS or more to be tested at or above the required test pressure for at least 8 hour?	Not Checked
192.505(d)	Except for service lines, Does the operator's procedure include requirements for strength testing of pipe to operate at a hoop stress of 30% of smys or more Are requirements included for strength testing of pipe to operate at a hoop stress of 30% of SMYSs or more for replacement components if not certified by manufacturer?	Not Checked
192.505(e)	Except for service lines, Does the operator's procedure include requirements for fabricated units and short sections of pipe which operates at a hoop stress of 30% or more of SMYS and for which a post installation test is impractical, that a pre-installation strength test must be conducted by maintaining the pressure for at least 4 hours?	Not Checked
192.507	Does the operator's procedure include requirements for testing pipelines, which operate at a hoop stress less than 30% of SMYS and at or above 100 psig?	Not Checked
192.509(b)	Does the operator's procedure includes requirements for testing steel main which operate below 100 psig at a minimum of 10 psig for main that operates below 1 psig?	Not Checked
192.509(b)	Does the operator's procedure includes requirements for testing steel main to operate below 100 psig at a minimum of 90 psig for main that operates over 1 psig?	Not Checked
192.511(b)	Does the operator's procedure include test requirements for service lines other than plastic which specify minimum test pressure as follows: 50 psig if the line operates over 40 psig?	Not Checked
192.511(c)	Does the operator's procedure includes test requirements for service lines other than plastic which specify minimum test pressure of 90 psig if the line operates over 40 psig?	Not Checked

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192.511(c)	Does the operator's procedure includes test requirements for service lines other than plastic which specify testing to 192.507 requirements if the line operates at 20% of SMYS?	Not Checked
192.513(c)	Does the operator's procedure includes test requirements for plastic pipelines of 150% of MOP or 50 psig whichever is greater?	Not Checked
192.517(a)(1)	Does the plan require test records for pipelines that operate over 100 psig that include: Operators name, responsible employee's name, name of testing company?	Not Checked
192.517(a)(2)	Does the plan require test records for pipelines that operate over 100 psig that include test medium?	Not Checked
192.517(a)(3)	Does the plan require test records for pipelines that operate over 100 psig that include test pressure?	Not Checked
192.517(a)(4)	Does the plan require test records for pipelines that operate over 100 psig that include test duration?	Not Checked
192.517(a)(5)	Does the plan require test records for pipelines that operate over 100 psig that include pressure recording charts of readings?	Not Checked
192.517(a)(7)	Does the plan require test records for pipelines that operate over 100 psig that include leaks and failures noted?	Not Checked
ODORIZATION of GAS PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.625(a)	Does the operator's procedure include a requirement that distribution lines must contain odorized gas?	Not Checked
192.625(b)	Does the operator's procedure require odorized gas in Class 3 or 4 locations (if applicable)?	Not Checked
192.625(f)	Does the operator's procedure require periodic gas sampling, using an instrument capable of determining the percentage of gas in air at which the odor becomes readily detectable?	Not Checked
192.625	Does the operator have procedures for conducting an odorant test utilizing their specific equipment?	Not Checked
TAPPING PIPELINES UNDER PRESSURE PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.627	Does the operator have procedures for operating their specific tapping equipment?	Not Checked
192.627	Does the operator's procedure require that hot taps be made by a qualified crew?	Not Checked
PIPELINE PURGING PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.629(a)	Do the operator's procedures require that purging of pipelines must be done to prevent	Not Checked

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	entrapment of an explosive mixture in the pipeline lines containing air must be properly purged?	
192.629(b)	Do the operator's procedures require that purging of pipelines must be done to prevent entrapment of an explosive mixture in the pipeline lines containing gas must be properly purged?	Not Checked
192.629	Does the purging procedure include: inert gas to be used, a method of flow control, type of purge stack specification, grounding requirement, and % gas measurement?	Not Checked
MAINTENANCE PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.703(b)	Does the operator's procedure require that each segment of pipeline that becomes unsafe must be replaced, repaired, or removed from service?	Not Checked
192.703(c)	Does the operator's procedure require that hazardous leaks must be repaired promptly?	Not Checked
TRANSMISSION LINES - PATROLLING & LEAKAGE SURVEY PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.705(a)	Does the operator's procedure require patrolling of surface conditions on and adjacent to transmission line right of way for indications of leak, construction activities, and other factors affecting safety and operations?	Not Checked
192.705(b)	Does the operator's procedure require that frequency of patrols is to be determined by the size of the line, the operating pressures, the class location, terrain, weather, and other relevant factors, but intervals between patrols may not be longer than prescribed in .705(b)?	Not Checked
192.706	Does the operator's procedure require leakage surveys at a minimum of 1 year/15 months	Not Checked
192.706(a)	Does the operator's procedure include leak detector equipment survey requirements for transmission lines transporting un-odorized gas in Class 3 locations 7½ months but at least twice each calendar year?	Not Checked
192.706(b)	Does the operator's procedure include leak detector equipment survey requirements for lines transporting un-odorized gas in Class 4 locations - 4½ months but at least 4 times each calendar year?	Not Checked
DISTRIBUTION SYSTEM PATROLLING & LEAKAGE SURVEY PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.721(a)	Does the operator's procedure require the frequency of patrolling mains to be determined by the severity of the conditions which could cause failure or leakage?	Not Checked
192.721(b) (1)	Does the operator's procedure require that mains in places or on structures where anticipated physical movement or external loading could cause failure or leakage must	Not Checked

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	be patrolled in business districts at intervals not exceeding 4½ months, but at least four times each calendar year? and	
192.721(b) (2)	Does the operator's procedure require that mains in places or on structures where anticipated physical movement or external loading could cause failure or leakage must be patrolled outside business districts at intervals not exceeding 7½ months, but at least twice each calendar year?	Not Checked
192.723(b) (1)	Does the operator's procedure require periodic leak surveys determined by the nature of the operations and conditions, and be performed with leak detector equipment in business districts as specified, 1/yr (15 months)?	Not Checked
192.723(b) (2)	Does the operator's procedure require periodic leak surveys determined by the nature of the operations and conditions, and be performed with leak detector equipment outside of business districts as specified, once every 5 calendar years/63 mos.; for unprotected lines subject to .465(e) where electrical surveys are impractical, once every 3 years/39 mos.	Not Checked
LINE MARKER PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.707	Does the operator's procedure require that line markers be installed and labeled as required?	Not Checked
TRANSMISSION RECORD KEEPING PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.709(a)	Does the operator's procedure require that records must be maintained on repairs to the pipe for the life of the system?	Not Checked
192.709(b)	Does the operator's procedure require that records must be maintained on repairs to "other than pipe" for 5 years?	Not Checked
192.709(c)	Does the operator's procedure require that records must be maintained for Operation (Sub L) and Maintenance (Sub M) patrols, surveys, tests for 5 years or until next completion of the next inspection cycle?	Not Checked
TRANSMISSION FIELD REPAIR PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.713(a) (1)(2)	Does the operator's procedure require that each imperfection or damage that impairs the serviceability of pipe in a steel transmission line operating at or above 40 percent of SMYS must be removed by cutting out and replacing a cylindrical piece of pipe; OR must be repaired by a method that reliable engineering tests and analyses show can permanently restore the serviceability of the pipe?	Not Checked
192.713(b)	Does the operator's procedure require that the operating pressure must be at a safe level during repair operations?	Not Checked

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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If an item is marked **Unsatisfactory**, **Not Applicable**, or **Not Checked**, an explanation must be included in this report.

192.715(a)	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) must be repaired in accordance with the applicable requirements of §192.245 if the segment of transmission line is taken out of service?	Not Checked
192.715(b) (1)	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) must be repaired in accordance with the applicable requirements of §192.245 while the segment of transmission line is in service if the weld is not leaking?	Not Checked
192.715(b) (2)	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) must be repaired in accordance with the applicable requirements of §192.245 while the segment of transmission line is in service if the pressure is reduced to produce a stress that is 20% of SMYS?	Not Checked
192.715(b) (3)	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) must be repaired in accordance with the applicable requirements of §192.245 while the segment of transmission line is in service if the grinding is limited so that 1/8 inch thickness of pipe weld remains?	Not Checked
192.715(c)	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) and cannot be repaired in accordance with .715(a) or .715(b) then a full encirclement welded split sleeve of appropriate design must be installed?	Not Checked
192.717(a)	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made by removing the leak by cutting out and replacing a cylindrical piece of pipe? OR	Not Checked
192.717(b) (1)	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made by installing a full encirclement welded split sleeve of appropriate design, unless the transmission line is joined by mechanical couplings and operates at less than 40 percent of SMYS? OR	Not Checked
192.717(b) (2)	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made by installing a properly designed bolt-on-leak clamp if the leak is due to a corrosion pit? OR	Not Checked
192.717(b)(3)	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made if the leak is due to a corrosion pit and on pipe of not more than 40,000 psi (267 Mpa) SMYS, fillet weld over the pitted area a steel plate patch with rounded corners, of the same or greater thickness than the pipe, and not more than one-half of the diameter of the pipe in size? OR	Not Checked
192.717(b)(4)	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made if the leak is on a submerged pipeline in inland navigable waters, mechanically apply a full encirclement split sleeve of appropriate design? OR	Not Checked
192.717(b)(5)	Does the operator's procedure require that each permanent field repair of a leak on a	Not Checked

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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	transmission line must be made by applying a method that reliable engineering tests and analyses show can permanently restore the serviceability of the pipe?	
192.719(a)	Does the operator's procedure require that replacement pipe must be pressure tested to meet the requirements of a new pipeline?	Not Checked
192.719(b)	Does the operator's procedure require that for lines of 6-inch diameter or larger and that operate at 20% of more of SMYS, the repair must be nondestructively tested in accordance with §192.241(c)?	Not Checked
TEST REQUIREMENTS FOR REINSTATING SERVICE LINES		Status
Category Comment:		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.725(a)	Does the operator's procedure require that disconnected service lines must be tested the same as a new service line?	Not Checked
192.725(b)	Does the operator's procedure require that service lines that are temporarily disconnected must be tested from the point of disconnection, the same as a new service line, before reconnect?	Not Checked
ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES		Status
Category Comment:		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.727(b)	Does the operator's procedure require disconnecting both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained?	Not Checked
192.727(c)	Does the operator's procedure require that, except for service lines, each inactive pipeline that is not being maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end?	Not Checked
192.727(d)(1)	Does the operator's procedure require that whenever service to a customer is discontinued the valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator? OR	Not Checked
192.727(d)(2)	Does the operator's procedure require that whenever service to a customer is discontinued a mechanical device or fitting that will prevent the flow of gas must be installed in the service line or in the meter assembly? OR	Not Checked
192.727(d)(3)	Does the operator's procedure require that whenever service to a customer is discontinued the customer's piping must be physically disconnected from the gas supply and the open pipe ends sealed?	Not Checked
192.727(e)	Does the operator's procedure require that if air is used for purging, the operator shall ensure that a combustible mixture is not present after purging?	Not Checked
192.727(g)	Does the operator's procedure require that the operator must file reports upon abandoning underwater facilities crossing navigable waterways, including offshore facilities?	Not Checked

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

COMPRESSOR STATION PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.605(b)(6)	Does the operator's procedure include provisions for isolating units or sections of pipe and for purging before returning to service?	Not Checked
192.605(b)(7)	Does the operator's procedure require starting, operating, and shutdown procedures for gas compressor units?	Not Checked
192.731	Does the operator's procedure require inspection and testing for remote control shutdowns and pressure relieving devices at a minimum of 1 per yr/15 months), prompt repair or replacement?	Not Checked
192.735(a)	Does the operator's procedure require storage of excess flammable or combustible materials at a safe distance from the compressor buildings?	Not Checked
192.735(b)	Does the operator's procedure require above ground storage tanks to be protected according to NFPA #30; Amdt 192-103 pub. 06/09/06 eff. 07/10/06?	Not Checked
192.736(a)(1)	Does the operator's procedure require that compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless: 50% of the upright side areas are permanently open? OR	Not Checked
192.736(a)(2)	Does the operator's procedure require compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless: It is an unattended field compressor station of 1000 hp or less?	Not Checked
PRESSURE LIMITING and REGULATING STATION PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.739(a)(1)	Does the operator's procedure require inspection and testing for pressure limiting stations, relief devices, pressure regulating stations and equipment at a minimum of 1 per yr/15 months to determine if the equipment is in good mechanical condition?	Not Checked
192.739(a)(2)	Does the operator's procedure require inspection and testing for pressure limiting stations, relief devices, pressure regulating stations and equipment at a minimum of 1 per yr/15 months to determine if the equipment is adequate from the standpoint of capacity and reliability of operation for the service in which it is employed	Not Checked
192.739(a)(3)	Does the operator's procedure require inspection and testing for pressure limiting stations, relief devices, pressure regulating stations and equipment at a minimum of 1 per yr/15 months to determine if the equipment is set to control or relieve at correct pressures consistent with .201(a), except for .739(b).	Not Checked
192.739(a)(4)	Does the operator's procedure require inspection and testing for pressure limiting stations, relief devices, pressure regulating stations and equipment at a minimum of 1 per yr/15 months to determine if the equipment is properly installed and protected from dirt, liquids, and other conditions that may prevent proper operation.	Not Checked
192.739(b)	Does the operator's procedure require steel pipelines whose MAOP is determined under §192.619(c), if the MAOP is 60 psi (414 kPa) gage or more, the control or relief pressure limit is as required by .739 (b).	Not Checked

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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192.741(a)	Does the operator's procedure require telemetering or recording pressure gages to be in place to indicate gas pressure in the district that is supplied by more than one regulating station?	Not Checked
192.741(b)	Does the operator's procedure require the operator to determine the need in a distribution system supplied by only one district station?	Not Checked
192.741(c)	Does the operator's procedure require the operator to inspect equipment and take corrective measures when there are indications of abnormally high or low pressure?	Not Checked
192.743(a)	Does the operator's procedure require that capacity must be consistent with .201(a) except for .739(b), and be determined at a minimum of 1 per yr/15 months?	Not Checked
192.743(b)	If the capacities are calculated, Does the operator's procedure require them to be compared with the rated or experimentally determined relieving capacity of the device for the conditions under which it operates?	Not Checked
192.743(c)	Does the operator's procedure require new or additional devices be installed to provide required capacity if insufficient capacity exists?	Not Checked
VALVE AND VAULT MAINTENANCE PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.745(a)	Does the operator's procedure require that each transmission valve that might be required during an emergency is inspected and partially operated at a minimum of 1 per year/15 months?	Not Checked
192.745(b)	Does the operator's procedure require that prompt remedial action will be taken to correct any transmission valve found inoperable, unless the operator designates an alternative valve?	Not Checked
192.747(a)	Does the operator's procedure require that each distribution valve that might be required during an emergency is checked and serviced at a minimum of 1 per year/15 months?	Not Checked
192.747(b)	Does the operator's procedure require that prompt remedial action will be taken to correct any valve found inoperable, unless the operator designates an alternative valve?	Not Checked
192.749	Does the operator's procedure require that vaults greater than 200 cubic feet must be inspected at a minimum of 1 per year/15 months?	Not Checked
PREVENTION of ACCIDENTAL IGNITION PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.751(a)	Does the operator's procedure require that when a hazardous amount of gas is being vented into open air, each potential source of ignition must be removed from the area and a fire extinguisher must be provided?	Not Checked
192.751(b)	Does the operator's procedure prohibit gas or electric welding or cutting on pipe or on pipe components that contain a combustible mixture of gas and air in the area of work?	Not Checked
192.751(c)	Does the operator's procedure require that warning signs will be posted, where	Not Checked

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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	appropriate?	
CAULKED BELL AND SPIGOT JOINTS PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.753(a)	Does the operator's procedure require that each cast iron caulked bell and spigot joint that is subject to pressures of more than 25 psi gage must be sealed with mechanical clamp, or sealed with material/device which does not reduce flexibility, permanently bonds, and seals and bonds as prescribed in §192.753(a)(2)(iii)?	Not Checked
192.753(b)	Does the operator's procedure require that when cast iron bell and spigot subject to 25 psig or less, joints, when exposed for any reason, must be sealed by means other than caulking?	Not Checked
PROTECTING CAST-IRON PIPELINE PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.755(a)(1)	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from vibrations from heavy construction equipment, trains, trucks, buses or blasting?	Not Checked
192.755(a)(2)	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from impact forces by vehicles?	Not Checked
192.755(a)(3)	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from earth movement?	Not Checked
192.755(a)(4)	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from apparent future excavations near the pipeline?	Not Checked
192.755(a)(5)	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from other foreseeable outside forces which might subject the segment of pipeline to a bending stress?	Not Checked
192.755(b)	Does the operator's procedure require the operator to as soon as feasible; provide permanent protection for the disturbed segment from external loads?	Not Checked
WELDING AND WELD DEFECT REPAIR/REMOVAL PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.225(a)	Does the operator's procedure require their welding procedures to be qualified under Section 5 of API 1104 or Section IX of ASME Boiler and Pressure Code by destructive test?	Not Checked

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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192.225(b)	Does the operator's procedure require each welding procedure to be recorded in detail, including the results of the qualifying tests?	Not Checked
192.227(a)	Does the operator's procedure require their welders be qualified Section 6 of API 1104 or Section IX of ASME Boiler and Pressure Code?	Not Checked
192.227(b)	Does the operator's procedure require their welders be qualified under Section I of Appendix C to weld on lines that operate at <20% SMYS?	Not Checked
192.229(a)	Does the operator's procedure require a welder to successfully complete a destructive test to weld on compressor station piping and components?	Not Checked
192.229(b)	Does the operator's procedure require no welder may weld with a particular welding process unless, within the preceding 6 months, he has engaged in welding with that process?	Not Checked
192.229(c)(1)	Does the operator's procedure require a welder qualified under .227(a) 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?	Not Checked
192.229(c)(2)	Does the operator's procedure require a welder qualified under .227(a) may not weld on pipe that operates at < 20% SMYS unless the welder is tested in accordance with .229(c) (1) or requalifies under .229(d) (1) or (d) (2)?	Not Checked
192.229(d)(1)	Does the operator's procedure require that an Appendix C welder be re-qualified within 1 year/15 months? OR	Not Checked
192.229(d)(2)	Does the operator's procedure require that an Appendix C welder be re-qualified within 7 1/2 months but at least twice per calendar year and has met the requirements of .229(d)(i)(ii)?	Not Checked
192.231	Does the operator's procedure require that welding operations must be protected from weather conditions that would impair the quality of the completed weld?	Not Checked
192.233	Does the operator's procedure require that miter joints be made in accordance with this section?	Not Checked
192.235	Does the operator's procedure require proper welding surface preparation and joint alignment?	Not Checked
192.241(a)(1)	Does the operator's procedure require that visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure compliance with the welding procedure?	Not Checked
192.241(a)(2)	Does the operator's procedure require that visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure that the weld is acceptable in accordance with Section 9 of API 1104?	Not Checked
192.241(b)(1)	Does the operator's procedure require that welds on pipelines to be operated at 20% or more of SMYS must be nondestructively tested in accordance with 192.243, except welds that are visually inspected and approved by a qualified welding inspector if the nominal pipe diameter is less than 6 inches? OR	Not Checked
192.241(b)(2)	Does the operator's procedure require that welds on pipelines to be operated at 20% or more of SMYS must be nondestructively tested in accordance with 192.243, except a pipeline that is to operate at a pressure that produces a hoop stress of less than 40% of SMYS and the welds are so limited in number that nondestructive testing is impractical?	Not Checked

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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192.241(c)	Does the operator's procedure require that the acceptability of a weld, which is based on nondestructively tested or visually inspected, is determined according to the standards in Section 9 of API Standard 1104?	Not Checked
192.245(a)	Does the operator's procedure require that each weld that is unacceptable must be removed or repaired?	Not Checked
192.245(b)	Does the operator's procedure require that each weld that is repaired must have the defect removed down to sound metal, and the segment to be repaired must be preheated if conditions exist which would adversely affect the quality of the weld repair?	Not Checked
192.245(c)	Does the operator's procedure require that repair of a crack or any other defect in a previously repaired area must be in accordance with a written weld repair procedure qualified under §192.225?	Not Checked
Discuss with the operator regarding the use of a low hydrogen process when welding a sleeve for repair.		Not Checked
TRANSMISSION NONDESTRUCTIVE TESTING PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.243(a)	Does the operator's procedure require that nondestructive testing of welds must be performed by any process, other than trepanning, that clearly indicates defects that may affect the integrity of the weld?	Not Checked
192.243(b)(1)	Does the operator's procedure require that nondestructive testing of welds must be performed in accordance with written procedures?	Not Checked
192.243(b)(2)	Does the operator's procedure require that nondestructive testing of welds must be performed by persons who have been trained and qualified in the established procedures and with the equipment employed in testing?	Not Checked
192.243(c)	Does the operator's procedure require that procedures must be established for the proper interpretation of each nondestructive test of a weld to ensure the acceptability of the weld under §192.241(c)?	Not Checked
192.243(d)(1)	When nondestructive testing is required under §192.241(b), does the operator's procedure require that the following percentages of each day's field butt welds, selected at random by the operator, must be nondestructively tested over their entire circumference In Class 1 locations at least 10 percent?	Not Checked
192.243(d)(2)	When nondestructive testing is required under §192.241(b), does the operator's procedure require that the following percentages of each day's field butt welds, selected at random by the operator, must be nondestructively tested over their entire circumference in Class 2 locations at least 15 percent?	Not Checked
192.243(d)(3)	When nondestructive testing is required under §192.241(b), does the operator's procedure require that the following percentages of each day's field butt welds, selected at random by the operator, must be nondestructively tested over their entire circumference in Class 3 and Class 4 locations, at crossings of major or navigable rivers, offshore, and within railroad or public highway rights-of-way, including tunnels, bridges, and overhead road crossings, 100% unless impracticable, then 90%?	Not Checked
192.243(d)(4)	When nondestructive testing is required under §192.241(b), does the operator's procedure require that the following percentages of each day's field butt welds, selected at random by the operator, must be nondestructively tested over their entire	Not Checked

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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	circumference at pipeline tie-ins, 100 %?	
192.243(e)	Does the operator's procedure require that a sample of each welder's work for each day must be nondestructively tested, when nondestructive testing is required under §192.241(b), except for a welder whose work is isolated from the principal welding activity?	Not Checked
192.243(f)	Does the operator's procedure require that the operator must retain, for the life of the pipeline, a record showing by mile post, engineering station, or by geographic feature, the number of welds nondestructively tested, the number of welds rejected, and the disposition of the rejected welds?	Not Checked
JOINING of PIPELINE MATERIALS OTHER THAN BY WELDING PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.283(b)	Does the operator have qualified joining procedures for mechanical joints?	Not Checked
192.281(a)	Does the operator's procedure prohibit joining plastic pipe by threaded or miter joint?	Not Checked
192.281(b)	Does the operator have procedures for solvent cement joints?	Not Checked
192.281(c)	Does the operator have procedures for heat fusion joints?	Not Checked
192.281(d)	Does the operator have procedures for adhesive joints?	Not Checked
192.281(e)	Does the operator have procedures for mechanical joints?	Not Checked
192.283(a)	Does the operator have qualified joining procedures for heat fusion, solvent cement, and adhesive joints?	Not Checked
192.283(c)	Does the operator's procedure require that persons making and inspecting joints must have available a copy of the qualified joining procedure?	Not Checked
192.285(a)	Does the operator's procedure require that person making joints with plastic pipe must be qualified?	Not Checked
192.285(b)(1)	Does the operator have a procedure require the specimen joint must be visually examined during and after assembly or joining?	Not Checked
192.285(b)(2)	Does the operator have procedures requiring that the specimen joint in the case of a heat fusion, solvent cement, or adhesive joint be tested under any one of the qualified test methods?	Not Checked
192.285(c)	Does the operator have procedures that require a person to be requalified if during any 12 month period that person does not make any joints or has 3 joints or 3% of joints, whichever is greater, found to be unacceptable?	Not Checked
192.285(d)	Does the operator have a method to determine that each person making joints in plastic pipelines is qualified?	Not Checked
192.287	Does the operator's procedure require that person inspecting plastic pipe joints must be qualified by appropriate training or experience to evaluate plastic pipe joints?	Not Checked
CORROSION CONTROL PROCEDURES		Status
<u>Category Comment:</u>		

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192.453	Does the operator's procedure require that corrosion control procedures required by .605(b)(2), including those for the design, installation, operation, and maintenance of cathodic protection systems, must be carried out by, or under the direction of, a person qualified in pipeline corrosion control methods?	Not Checked
192.455(a)	Does the operator's procedure require that pipelines installed after July 31, 1971, buried segments must be externally coated and cathodically protected within one year after completion of construction? (see exceptions in code)	Not Checked
192.455(e)	Does the operator's procedure require that aluminum may not be installed in a buried or submerged pipeline if that aluminum is exposed to an environment with a natural pH in excess of 8, unless tests or experience indicate its suitability in the particular environment involved?	Not Checked
192.457(a)	Does the operator's procedure require that all effectively coated steel transmission pipelines installed prior to August 1, 1971, must be cathodically protected?	Not Checked
192.457(b)	Does the operator's procedure require that cathodic protection must be provided in areas of active corrosion for bare or ineffectively coated transmission lines, and bare or coated compressor station piping, regulator station, meter station piping, and (except for cast iron or ductile iron) bare or coated distribution lines installed before August 1, 1971?	Not Checked
192.479(b)	Does the operator's procedure require coating material to be suitable for the prevention of atmospheric corrosion?	Not Checked
192.459	Does the operator's procedure require that whenever an operator has knowledge that any portion of a buried pipeline is exposed, the exposed portion must be examined for evidence of external corrosion if the pipe is bare, or if the coating is deteriorated and remedial actions taken when required?	Not Checked
192.461(a)(b)	Does the operator's procedure address the external protective coating requirements of the regulations?	Not Checked
192.463	Does the operator's procedure require cathodic protection levels that comply with one or more applicable criteria contained in Appendix D?	Not Checked
192.465(a)	Does the operator's procedure require pipe-to-soil monitoring at a minimum of 1 per year/15 months?	Not Checked
192.465(a)	Does the operator's procedure require that 10% of the separately protected short sections of main and transmission main or separately protected service lines be surveyed annually?	Not Checked
192.465(b)	Does the operator's procedure require rectifier monitoring be conducted at a minimum of 6 per year/2 1/2 months?	Not Checked
192.465(c)	Does the operator's procedure require critical interference bond monitoring be conducted at a minimum of 6 per year/2 1/2 months?	Not Checked
192.465(c)	Does the operator's procedure require non-critical interference bond monitoring be conducted at a minimum of 1 per year/15 months?	Not Checked
192.465(d)	Does the operator's procedure require that prompt remedial action to correct any deficiencies indicated by the monitoring?	Not Checked

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192.465(e)	Does the operator's procedure require electrical surveys on bare and unprotected lines at a minimum of once per 3 years/39 months and must cathodically protect active corrosion areas, if found?	Not Checked
192.467(a)	Does the operator's procedure require that each buried or submerged pipeline be electrically isolated from other underground metallic structures, unless interconnected?	Not Checked
192.467(b)	Does the operator's procedure require that one or more insulating devices must be installed where electrical isolation of a portion of a pipeline is necessary to facilitate the application of corrosion control?	Not Checked
192.467(c)	Does the operator's procedure require that each pipeline must be electrically isolated from metallic casings that are a part of the underground system?	Not Checked
192.467(d)	Does the operator's procedure require that inspection and electrical tests must be made to assure that electrical isolation is adequate?	Not Checked
192.469	Does the operator's procedure define how a sufficient number of test stations or contact points for electrical measurement are established to determine the adequacy of cathodic protection?	Not Checked
192.471	Does the operator's procedure define how test leads will be installed and maintained?	Not Checked
192.473(a)	Does the operator's procedure require the determination of how interference currents are affecting the cathodic protection system?	Not Checked
192.473(b)	Does the operator's procedure require the determination that impressed current type cathodic protection system or galvanic anode system are designed and installed to minimize any adverse effects on existing adjacent underground metallic structures?	Not Checked
192.475(a)	Does the operator's procedure require that if corrosive gas is transported by pipeline, the corrosive effect of the gas on the pipeline must be investigated and steps taken to minimize internal corrosion?	Not Checked
192.475(b)	Does the operator's procedure require that whenever any pipe is removed from a pipeline for any reason, the internal surface must be inspected for evidence of corrosion?	Not Checked
192.475(b)(1)	Does the operator's procedure require that when internal corrosion is observed that the adjacent pipe will be inspected for internal corrosion?	Not Checked
192.475(b)(2)	Does the operator's procedure require replacement of pipe when internal corrosion is observed to the extent required by the applicable paragraphs of §§192.485, 192.487, or 192,489?	Not Checked
192.475(b)(3)	Does the operator's procedure require the steps that must be taken when internal corrosion is discovered?	Not Checked
192.476(a)	Does the operator's procedure require features incorporated into its design and construction of transmission lines installed after May 23, 2007, to reduce internal corrosion?	Not Checked
192.477	Does the operator's procedure require, if corrosive gas is being transported, the use of internal corrosion control coupons, or other suitable means of monitoring at a minimum of 2 per year/7 1/2 months?	Not Checked

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192.479(a)	Does the operator's procedure require each exposed pipe, including soil-to-air interface, to be cleaned and coated?	Not Checked
192.481(a)	Does the operator's procedure require atmospheric corrosion control monitoring at a minimum of 1 per 3 years/39 months?	Not Checked
192.481(b)	Does the operator's procedure require particular attention to atmospheric corrosion on exposed pipe at soil-to-air interfaces, under thermal insulation, under disbonded coatings, at pipe supports, in splash zones, at deck penetrations, and in spans over water?	Not Checked
192.481(c)	Does the operator's procedure require protection be provided if atmospheric corrosion is discovered?	Not Checked
192.483	Does the operator's procedure require that replacement pipe be coated and cathodically protected?	Not Checked
192.485(a)	Does the operator have procedures to replace or repair pipe, or reduce the operating pressure if general corrosion has reduced the wall thickness?	Not Checked
192.485(b)	Does the operator have procedures to replace or repair pipe, or reduce the operating pressure if localized corrosion has reduced the wall thickness?	Not Checked
192.485(c)	Does the operator's procedure require the use of Rstreng or B-31G to determine the remaining wall strength?	Not Checked
192.487(a)	Does the operator have procedures to replace or repair pipe if general corrosion has reduced the wall thickness?	Not Checked
192.487(b)	Does the operator have procedures to replace or repair pipe if localized corrosion has reduced the wall thickness?	Not Checked
192.489(a)	Does the operator have procedures to replace pipe if general graphitization is discovered on cast or ductile iron pipe?	Not Checked
192.489(b)	Does the operator have procedures to repair or replace pipe or seal by internal sealing methods when localized graphitization is discovered on cast or ductile iron pipe?	Not Checked
192.491(a)	Does the operator have procedures requiring the retention of records and maps to show the location of cathodically protected pipe, facilities, anodes, and bonded structures?	Not Checked
192.491(b)	Does the operator have procedures requiring the retention of records under .491(a) for the life of the pipeline?	Not Checked
192.491(c)	Does the operator have procedures that require the retention of testing, surveys, or inspections records which detail the adequacy of the corrosion control measures for a minimum of 5 years?	Not Checked
UPRATING PROCEDURES		Status
<u>Category Comment:</u>		
<i>This section was previously reviewed on March 8-15-2012.</i>		
192.553(a)(1)	Does the operator's procedure include uprating requirements which meet Subpart K and include pressure raised in increments?	Not Checked
192.553(a)(1)	Does the operator's procedure include uprating requirements which meet Subpart K and include section checked before further pressure increase?	Not Checked

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192.553(a)(2)	Does the operator's procedure include uprating requirements which meet Subpart K and include hazardous leaks repaired between increments?	Not Checked
192.553(b)	Does the operator's procedure include uprating requirements which meet Subpart K and include records kept for life of system?	Not Checked
TRAINING		Status
<u>Category Comment:</u>		
<i>For Training issues see Nicor Gas Field Operations Training Plan.</i>		
520.10(a)(1)	Does the operator's procedure contain adequate descriptions of types of training each job classification requires, including those of field foreman, field crew leaders, leak inspectors, new construction inspectors, servicemen and corrosion technicians and/or equivalent classifications?	Satisfactory
<u>General Comment:</u>		
<i>The following Job Classifications are listed in the Field Operations Training Plan: Delivery Mechanic Delivery Technician Delivery Crew Leader Service Mechanic Leak Survey Specialist System Laborer System Controller, Phase 1 System Controller, Phase 2 Senior Controller System Specialist (Pressure Concentration) System Specialist (Transmission Concentration) Senior System Specialist Distribution Plastic Laborer Distribution Plastic Operator Utility Inspector</i>		
520.10(a)(2)	Does the operator's procedure include scheduling of verbal instruction and/or on-the-job training for each job classification?	Satisfactory
<u>General Comment:</u>		
<i>The operators Field Operations Training Plan, indicates that each job classification are scheduled on an as-needed basis.</i>		
520.10(a)(3)	Does the operator's procedure include provisions for evaluating the performance of personnel to assure their competency in performing the work assigned to them?	Satisfactory
<u>General Comment:</u>		
<i>All Nicor employees are subject to random audits by Nicor's Quality Assurance program.</i>		
520.10(a)(4)	Does the operator's procedure include subject matter relating to recognition of potential hazards, and actions to be taken toward prevention of accidents?	Satisfactory
<u>General Comment:</u>		
<i>You would have to review the Field Operation Training Plan and Operator Qualification Written Plan to see what training courses and OQ Task would relate to subject matter would be covered for recognition of potential hazards and the actions to be taken to prevent accidents.</i>		
520.10(a)(5)	Are the operator's procedures periodically updated to include new materials, new methods of operation and installation, and changes in general procedures?	Satisfactory
<u>General Comment:</u>		

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<i>The operator's Field Operation Training Plan indicates that should changes occur in any of the referenced sources, lesson plans are reviewed and updated as appropriate.</i>		
520.10(a)(6)	Are the operator's procedures made a part of the gas system's operation, inspection and maintenance plan, and filed with the Commission?	Satisfactory
<u>General Comment:</u>		
<i>During the audit staff requested the Operator Qualification Written Plan and the Field Operations Training Plan.</i>		
520.10(b)	Does the operator's procedure require that the operator/personnel (municipal/master meter) attend regularly scheduled instructional courses held by utility companies or participate in courses such as the IGT Gas Distribution Home Study Course, or programs developed and presented by community colleges, vocational schools, universities, consultants or other recognized gas distribution oriented agencies?	Not Applicable
<u>General Comment:</u>		
<i>This is a requirement for Municipal and master meter operators, Nicor gas is a public utility.</i>		
520.10(a)	Does the operator's procedure specify methods to be used for training?	Satisfactory
<u>General Comment:</u>		
<i>The operator uses the combination of the Operator Qualification Written Plan and Field Operations Training Plan.</i>		
520.10(a)	Does the operator's procedure specify frequency of attendance?	Satisfactory
<u>General Comment:</u>		
<i>The operators Field Operation Training Plan specifies the type training and the amount of time for each course.</i>		
520.10(a)	Does the operator's procedure indicate the subject matter covered at each training session?	Satisfactory
<u>General Comment:</u>		
<i>See the Field Operations Training Plan for subject matter.</i>		

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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