

STANDARD INSPECTION REPORT OF A GAS DISTRIBUTION OPERATOR RECORD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.
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): 10/3/2012 (Half)	Man Days: 0.5
Inspection Unit: Sycamore	
Location of Audit: Naperville	
Exit Meeting Contact: Leticia Quezada	
Inspection Type: Standard Inspection - Record Audit	
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.
Leticia Quezada	Manager Regulatory Compliance	

Gas System Operations	Status
<u>Category Comment:</u>	
<i>These records were previously checked on March 6-15-2012.</i>	
Gas Transporter	Not Checked
Annual Report (Form 7100.1-1) reviewed for the year:	Not Checked
Unaccounted for Gas	Not Checked
Number of Services	Not Checked
Miles of Main	Not Checked
Is the operator maintaining documentation verifying their Maximum Allowable Operating Pressure(s)? (MAOP)	Not Checked

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Operating Pressure (Feeder)	Not Checked	
Operating Pressure (Town)	Not Checked	
Operating Pressure (Other)	Not Checked	
MAOP (Feeder)	Not Checked	
MAOP (Town)	Not Checked	
MAOP (Other)	Not Checked	
Does the operator have any transmission pipelines?	Yes	
Regulatory Reporting Records	Status	
<u>Category Comment:</u>		
<i>These records were previously checked on March 6-15-2012.</i>		
191.5	Were Telephonic Notices of Incidents reported to the NRC (800-424-8802)?	Not Checked
191.9(a)	Was a DOT Incident Report Form F7100.1 submitted within 30 days after detection of an incident?	Not Checked
191.9(b)	Were any supplemental incident reports submitted when deemed necessary?	Not Checked
Did the operator have any plastic pipe failures in the past calendar year?		Not Checked
Did the operator take action to mitigate safety concerns relating to the failure of the PE or pipeline components?		Not Checked
191.23(a)	Did the operator report Safety Related Conditions?	Not Checked
191.25	Did the Operator file a Safety Related Condition Report within 5 working days of determination, but not later than 10 working days after discovery?	Not Checked
192.16(c)	Customer Notification: Has the operator notified each new customer within 90 days about the customer's responsibility regarding buried piping, however, operators of a master meter may continuously post a general notice in a permanent location?	Not Checked
192.16(c)	Customer Notification- has the master meter operator continuously posted a general notice in a prominent location?	Not Applicable
<u>General Comment:</u>		
<i>This is a requirement for Master Meter operator's, Nicor Gas is a Public Utility.</i>		
DRUG TESTING	Status	
Refer to Drug and Alcohol Inspection Forms and Protocols		Not Checked
<u>General Comment:</u>		
<i>Staff reviewed the drug & alcohol plan on 8/23-25/2010 in the Naperville office</i>		
TEST REQUIREMENTS	Status	

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<u>Category Comment:</u>		
<i>These records were previously checked on March 6-15-2012.</i>		
192.517(a)	Are pressure test records being maintained for piping operating above 100 psig?	Not Checked
192.517(b)	Are pressure test records being maintained for at least 5 years on piping operating below 100 psig?	Not Checked
192.603(b)	Were service lines temporarily disconnected from the main properly tested prior to reconnection?	Not Checked
UPRATING		Status
<u>Category Comment:</u>		
<i>These records were previously checked on March 6-15-2012.</i>		
192.555	Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of 30% or more SMYS?	Not Checked
192.557	Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of less than 30% SMYS?	Not Checked
OPERATIONS		Status
<u>Category Comment:</u>		
<i>These records were previously checked on March 6-15-2012.</i>		
192.603(b)	Has the operator conducted a review of the Operations and Maintenance Manual once per yr/15 months?	Not Checked
Has the operator conducted a review of the Operator Qualification Plan once per yr/15 months?		Not Checked
192.603(b)	Are construction records, maps, and operating history available to operating personnel?	Not Checked
192.603(b)	Has the operator periodically reviewed personnel's work to determine the effectiveness of normal O&M procedures when deficiencies are found?	Not Checked
CONTINUING SURVEILLANCE RECORDS		Status
<u>Category Comment:</u>		
<i>These records were previously checked on March 6-15-2012.</i>		
192.603(b)	Has the operator reviewed continuing surveillance records for class location changes, failures, leak history, corrosion, changes in cathodic protection, and other unusual operating and maintenance conditions?	Not Checked
192.613(a)	Has the operator reviewed continuing surveillance records for failures?	Not Checked
192.613(a)	Has the operator reviewed continuing surveillance records for leak history?	Not Checked
192.613(a)	Has the operator reviewed continuing surveillance records for corrosion?	Not Checked

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192.613(a)	Has the operator reviewed continuing surveillance records for changes in cathodic protection requirements?	Not Checked
192.613(a)	Has the operator reviewed continuing surveillance records for other unusual operating and maintenance conditions?	Not Checked
192.491	Does the operator have records verifying if exposed cast iron was examined for evidence of graphitization and if necessary what appropriate action was taken concerning graphitization?	Not Checked
192.603(b)	Does the operator have surveillance records of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leak history, or any other unusual operating and maintenance conditions?	Not Checked
192.603(b)	Is each cast iron caulked bell and spigot joint that is subject to a pressure of more than 25 (psig.) sealed as required?	Not Checked
192.603(b)	Is each cast iron caulked bell and spigot joint that is subject to a pressure of 25 (psig.) or less and is exposed for any reason sealed as required?	Not Checked
QUALIFICATION OF PIPELINE PERSONNEL		Status
Refer to operator Qualification Inspection Forms and Protocols		Yes
General Comment:		
See the operator Qualification Inspection Form for information related to the inspection.		
DAMAGE PREVENTION RECORDS		Status
Category Comment:		
Damage prevention records will be reviewed at the Beverly office at a later date.		
192.603(b)	Did the operator track the number of damages per 1000 locate requests for the previous years?	Not Checked
Has the number of damages increased or decreased from prior year?		Not Checked
192.603(b)	Does the operator track records of accidents due to excavation damage to ensure causes of failures are addressed to minimize the recurrence?	Not Checked
192.603(b)	Does the operator provide documentation pertaining to notification of excavation, marking, positive response, and the availability and use of the one call system?	Not Checked
Does the operator have a Quality Assurance Program in place for monitoring the locating and marking of facilities?		Not Checked
Do pipeline operators include performance measures in facility locating contracts?		Not Checked
IL ADM. CO.265.100(b)(1)	Was third party damage to mains involving a release of gas reported to ICC JULIE Enforcement? http://www.icc.illinois.gov/julie/	Not Checked
Has the Operator adopted applicable section of the Common Ground Alliance Best Practices?		Not Checked
If no, were Common Ground Alliance Best Practices discussed with Operator?		Not Checked

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EMERGENCY PLANS		Status
<u>Category Comment:</u>		
<i>Staff reviewed the Emergency plan at the training center With Letty Quezada. All sections below were checked.</i>		
192.603(b)	Are supervisors, responsible for emergency action, furnished copies of the latest edition of the Emergency Plan?	Satisfactory
192.603(b)	Has the operator maintained documentation that the appropriate operating personnel have received training to assure they are knowledgeable of emergency procedures and that the training was effective?	Satisfactory
192.603(b)	Has the operator maintained documentation of employee activity reviews to determine whether the procedures were effectively followed in each emergency?	Satisfactory
192.603(b)	Has the operator maintained documentation that the operator established and maintained liaison with appropriate fire, police and other public officials?	Satisfactory
192.603(b)	Did the review of emergency response time intervals regarding odor/leak complaint documentation indicate adequate emergency response intervals were achieved?	Satisfactory
Did documentation reviewed define when emergency response time intervals exceeded established operator parameters for time interval between received and dispatched?		Satisfactory
Did documentation reviewed define when emergency response time intervals exceeded established operator parameters for time interval between dispatched and arrival?		Satisfactory
PUBLIC AWARENESS PROGRAM - RECORDS		Status
Refer to Public Awareness Program Inspection Forms and Protocols		Not Checked
<u>General Comment:</u>		
<i>Public Awareness Program records to be inspected at a later date.</i>		
ODORIZATION OF GAS		Status
<u>Category Comment:</u>		
<i>These records were previously checked on March 6-15-2012.</i>		
192.603(b)	Has the operator maintained documentation of odorant concentration level testing using an instrument?	Not Checked
192.625(a) (f)	Is the operator using an instrument capable of determining the percentage of gas in air at which the odor becomes readily detectable?	Not Checked
192.603(b)	Has the operator maintained documentation of odorizer tank levels?	Not Checked
192.603(b)	Are master meter operators receiving written verification of odorant concentration levels from their gas supplier?	Not Applicable
<u>General Comment:</u>		
<i>This is a requirement for Master Meter Operators; Nicor Gas is a Public Utility.</i>		

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192.603(b)	Has the master meter operator maintained documentation of sniff tests performed as required by this section?	Not Applicable
<u>General Comment:</u>		
<i>This is a requirement for Master Meter Operators; Nicor Gas is a Public Utility.</i>		
PATROLLING & LEAKAGE SURVEY		Status
<u>Category Comment:</u>		
<i>These records were previously checked on March 6-15-2012.</i>		
192.603(b)	Is the operator patrolling business districts at a minimum of 4 per year/4 1/2 months?	Not Checked
192.603(b)	Is the operator patrolling outside business districts at a minimum of 2 per year/7 1/2 months?	Not Checked
192.603(b)	Is the operator performing leakage surveys in business districts at a minimum of 1 per year/ 15 months? If the operator has inside meter sets that meet this criterion then were those surveyed?	Not Checked
192.603(b)	Is the operator performing leakage surveys outside a business district at a minimum of every 5 years/63 months? Is the operator performing leakage surveys on cathodically unprotected pipelines at a minimum of every 3 years/39 months? If the operator has inside meter sets that meet this criteria then were those surveyed? If the operator has yard lines then are those being surveyed?	Not Checked
192.723(b) (2)	Is the operator performing leakage surveys in a cathodically unprotected distribution system at a minimum of every 3 years/39 months?	Not Checked
Does the operator have inside meter sets?		Not Checked
192.723(b) (1),192.723(b) (2)	If Yes, were the inside meter sets included in the leakage surveys?	Not Checked
YARD LINES - RESIDENTIAL		Status
<u>Category Comment:</u>		
<i>These records were previously checked on March 6-15-2012.</i>		
220 ILCS 2.2.03	Has the operator designated and documented the location of all services where the meter is located more than 3 feet away from the wall of a residence?	Not Checked
192.463,220 ILCS 2.2.03	Has the operator determined if cathodic protection is required on these services?	Not Checked
192.723(b)(1),192.723(b)(2)	After the determination of the cathodic protection requirements, has the operator surveyed each line within the required leakage survey intervals?	Not Checked
ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES		Status
<u>Category Comment:</u>		
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192.603(b)	Did the operator maintain documentation demonstrating that each pipeline abandoned in place was disconnected from all sources and supplies of gas, and purged of gas?	Not Checked
192.603(b)	Did the operator maintain documentation demonstrating that each inactive pipeline that is not being maintained under this part was disconnected from all sources and supplies of gas; purged of gas?	Not Checked
192.603(b)	Did the operator maintain documentation demonstrating that whenever service to a customer was discontinued access to gas was either; locked, prevented by a mechanical fitting, or disconnected from the gas supply and open pipe ends sealed?	Not Checked
192.603(b)	Did the operator maintain documentation when air was used for purging that a combustible mixture was not present after purging?	Not Checked
192.727(g)	Did the operator maintain documentation for each abandoned onshore pipeline facility that crosses over, under or through a commercially navigable waterway?	Not Checked
PRESSURE LIMITING AND REGULATION		Status
<u>Category Comment:</u>		
<i>Pressure regulation and vault and valve maintenance records are inspected at the Regional Headquarters</i>		
192.603(b)	Is the operator inspecting and testing the pressure limiting and regulating stations at a minimum of 1 per year/15 months?	Not Checked
192.603(b)	Is the operator inspecting pressure limiting and regulating stations for adequate capacity at a minimum of 1 per year/15 months?	Not Checked
192.603(b)	If the operator used calculations to determine sufficient capacity, were the calculation reviews documented at a minimum of 1 per year/15 months?	Not Checked
192.603(b)	Is each distribution system supplied by more than one district pressure regulating station, or where required by the operator on a system supplied by a single regulating station, equipped with telemetering or recording pressure gauges to indicate the gas pressure in the district?	Not Checked
192.603(b)	If there were indications of abnormally high- or low-pressure, were actions taken to correct any unsatisfactory operating conditions?	Not Checked
192.603(b)	Is overpressure protection provided by the supplier pipeline downstream of the take point?	Not Checked
192.603(b)	If Yes, does the operator have documentation to verify that these devices have adequate capacity?	Not Checked
VALVE MAINTENANCE		Status
<u>Category Comment:</u>		
<i>Pressure regulation and vault and valve maintenance records are inspected at the Regional Headquarters</i>		
192.603(b)	Did the operator inspect and maintain distribution valves necessary for the safe operation of the system at a minimum of 1 per year/15 months?	Not Checked

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192.603(b)	Did the operator inspect and maintain vaults > 200 cubic feet at a minimum of 1 per year/15 months?	Not Checked
Investigation Of Failures		Status
192.603(b)	Did the operator experience accidents or failures requiring analysis?	Not Checked
General Comment: <i>These records will be checked in the Naperville office.</i>		
WELDING OF STEEL PIPE		Status
192.603(b)	Does the operator have documentation for their qualified welding procedure?	Satisfactory
General Comment: <i>Staff reviewed the welding procedures at the Training Center in Naperville. All procedures were found to meet the requirements of 192.225 (b).</i>		
192.603(b)	Does the operator have documentation of welder qualification documentation as required?	Satisfactory
General Comment: <i>Staff reviewed documents for welder qualifications it appears that all qualifications were meet.</i>		
192.709	Does the operator have documentation of NDT personnel qualification as required?	Satisfactory
General Comment: <i>Staff was advised that NDT documentation is included in work packets at the regional offices.</i>		
192.709	Does the operator have documentation of NDT testing performed?	Satisfactory
General Comment: <i>Staff was advised that NDT documentation is included in work packets at the regional offices.</i>		
JOINING OF MATERIAL OTHER THAN WELDING		Status
192.603(b)	Are persons making joints with plastic pipe qualified?	Satisfactory
General Comment: <i>Staff reviewed current qualification records using the company document called Current Qualified Joiners Report.</i>		
192.603(b)	Are persons inspecting plastic pipe joints qualified?	Satisfactory
General Comment: <i>From staffs review of records it was determined that person were qualified to inspect plastic pipe joints.</i>		
192.603(b)	Are qualified joining procedures for plastic pipe in place?	Satisfactory
General Comment: <i>The operator provided copies of joining procedures for plastic pipe; all procedures were found to be current with manufacture recommendations for joining.</i>		

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CORROSION CONTROL RECORDS		Status
<u>Category Comment:</u>		
<i>These records were previously checked on March 6-15-2012.</i>		
192.491(a)	Has the operator maintained maps or records of cathodically protected piping, cathodic protection facilities, galvanic anodes, and neighboring structures bonded to the cathodic protection system?	Not Checked
192.491	Has the operator maintained documentation of an examination when buried pipe was exposed?	Not Checked
192.491	Has the operator maintained documentation of annual pipe-to-soil monitoring performed at a minimum of 1 per yr/15 months and/or isolated services or short sections of main less than 100 feet at a minimum of 10% annually?	Not Checked
192.465(a)	Has the operator maintained documentation of cathodic protection tests of isolated services or short sections of main less than 100 feet?	Not Checked
192.491	Has the operator maintained documentation of rectifier or other impressed current power sources inspections at a minimum of 6 per year/ 2 1/2 months?	Not Checked
192.491	Has the operator maintained documentation of each critical interference bond, reverse current switch, diode, etc. inspections at a minimum of 6 per year/ 2 1/2 months and/or non-critical interference bond inspections at a minimum of 1 per year/15 months?	Not Checked
192.465(c)	Has the operator maintained documentation of each non-critical interference bond inspection at a minimum of 1 per year/ 15 months?	Not Checked
192.491	Has the operator taken prompt remedial actions to correct any deficiencies indicated by the monitoring?	Not Checked
192.491	Has the operator maintained documentation of unprotected pipeline surveys, inspections, or tests at a minimum of 3 years/39 months?	Not Checked
192.491	Has the operator maintained documentation of inspections or tests for electrical isolation at casings?	Not Checked
192.491	Does the operator have a sufficient number of test stations or other contact points for electrical measurement to determine the adequacy of cathodic protection?	Not Checked
192.491	Has the operator maintained documentation of corrective actions taken when a test lead is no longer electrically conductive?	Not Checked
192.491	Has the operator maintained documentation of inspections or tests to assure their cathodic protection system is not affecting adjacent underground metallic structures?	Not Checked
192.491	Has the operator maintained documentation of investigations or steps taken to minimize internal corrosion due to transportation of corrosive gas?	Not Checked
192.491	Has the operator maintained documentation of internal surface inspections performed when pipe is removed for any reason?	Not Checked
192.491	Has the operator maintained documentation of internal corrosion coupon monitoring at a minimum of 2 per year/ 7 1/2 months?	Not Checked

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192.491	Has the operator maintained documentation of atmospheric corrosion control monitoring at a minimum of 1 per 3 years/ 39 months?	Not Checked
192.491	Has the operator maintained documentation of corrective action where atmospheric corrosion was discovered?	Not Checked
192.491	Has the operator maintained documentation demonstrating that pipe removed due to external corrosion has been repaired or replaced with pipe that was coated and cathodically protected?	Not Checked
TRAINING - 83 IL ADM. CODE 520		Status
520.10(a) (1)	Has the operator maintained documentation demonstrating that personnel have received adequate training?	Satisfactory
<p><u>General Comment:</u> Staff reviewed the Field Operations Training Plan then reviewed a random selection of records to verify training was adequate.</p>		
520.10(a) (2)	Do training records include verbal instruction and/or on the job training for each job classification?	Satisfactory
<p><u>General Comment:</u> Staff reviewed the Field Operations Training Plan which included all job classifications. Staff reviewed documentation on Nicor Gas computer system and some paper work indicating the verbal instruction were given.</p>		
520.10(b)	Has the municipal operator maintained documentation demonstrating that personnel have received adequate training?	Not Applicable
<p><u>General Comment:</u> This is a requirement for municipal operators only; Nicor Gas is a Public Utility.</p>		
520.10(a)(5)	Are procedures periodically updated to include new materials, new methods of operation and installation, and changes in general procedures?	Satisfactory
<p><u>General Comment:</u> The Training Section of Nicor Gas provides training when ever new material, new methods of operation and installation and General procedures changes.</p>		