

# STANDARD INSPECTION REPORT OF A GAS DISTRIBUTION OPERATOR RECORD AUDIT

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

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 1/27/2016, 1/28/2016</b>	Man Days: 2
<b>Inspection Unit: Pana</b>	
<b>Location of Audit: Pana</b>	
<b>Exit Meeting Contact: Kevin Glaspy</b>	
<b>Inspection Type: Standard Inspection - Record Audit</b>	
<b>Pipeline Safety Representative(s) : Charles Gribbins</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

<b>Headquarters Address Information:</b>	300 Liberty Peoria, IL 61602 Emergency Phone#: (800) 755-5000 Fax#:	
<b>Official or Mayor's Name:</b>	Ron Pate Phone#: (217) 424-6518 Email:	
<b>Inspection Contact(s)</b>	<b>Title</b>	<b>Phone No.</b>
Kevin Glaspy	Quality Assurance Consultant	(217) 820-4221

Gas System Operations	Status
Gas Transporter	<b>Panhandle Eastern</b>
Annual Report (Form 7100.1-1) reviewed for the year:	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>To be reviewed at the Pawnee Training Center at later date.</i>	
Unaccounted for Gas	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>To be reviewed at the Pawnee Training Center at later date.</i>	
Number of Services	<b>Not Checked</b>
<b><u>General Comment:</u></b>	

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<i>To be reviewed at the Pawnee Training Center at later date.</i>		
Miles of Main		<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>To be reviewed at the Pawnee Training Center at later date.</i>		
Is the operator maintaining documentation verifying their Maximum Allowable Operating Pressure(s)? (MAOP)		<b>Satisfactory</b>
Operating Pressure (Feeder)		<b>250#, 125#, 325#, 150#</b>
Operating Pressure (Town)		<b>15#, 20#, 25#, 30#,</b>
Operating Pressure (Other)		<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>No other Operating pressures</i>		
MAOP (Feeder)		<b>250#, 125#, 325#,150#</b>
MAOP (Town)		<b>60#,25#, 35#, 15#, 89#</b>
MAOP (Other)		<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>No other MAOP</i>		
Does the operator have any transmission pipelines?		<b>Yes</b>
<b>Regulatory Reporting Records</b>		<b>Status</b>
[191.5]	Were Telephonic Notices of Incidents reported to the NRC (800-424-8802)?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The records associated with the regulatory reporting requirements for Telephonic Notices will be inspected at the Pawnee Training Center.</i>		
[191.9(a)]	Was a DOT Incident Report Form F7100.1 submitted within 30 days after detection of an incident?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The records associated with the regulatory reporting requirements for DOT Incident Report form F7100.1 will be inspected at the Pawnee Training Center.</i>		
[191.9(b)]	Were any supplemental incident reports submitted when deemed necessary?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The records associated with the regulatory reporting requirements of any supplemental incident reports will be inspected at the Pawnee Training Center.</i>		
Did the operator have any plastic pipe failures in the past calendar year?		<b>Not Checked</b>

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<b><u>General Comment:</u></b>		
<i>The records associated with plastic pipe and component failures to be inspected at the Pawnee Training Center at a later date.</i>		
Did the operator take action to mitigate safety concerns relating to the failure of the PE or pipeline components?		<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The records associated with plastic pipe and component failures to be inspected at the Pawnee Training Center at a later date.</i>		
[191.23(a)]	Did the operator report Safety Related Conditions?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The records associated with Safety Related Conditions to be inspected at the Pawnee Training Center.</i>		
[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?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The records associated with Safety Related Condition Reports that require to be filed within 5 working day will be inspected at the Pawnee Training Center.</i>		
[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?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The records associated with Customer Notification's to be inspected at the Pawnee Training Center.</i>		
<b>TEST REQUIREMENTS</b>		<b>Status</b>
[192.517(a)][192.505,192.507,192.511(c)]	Are pressure test records being maintained for piping operating above 100 psig?	<b>Satisfactory</b>
[192.517(b)][192.511,192.509,192.513]	Are pressure test records being maintained for at least 5 years on piping operating below 100 psig?	<b>Satisfactory</b>
[192.603(b)][192.725]	Were service lines temporarily disconnected from the main properly tested prior to reconnection?	<b>Satisfactory</b>
<b>UPRATING</b>		<b>Status</b>
[192.555][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?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The operator did not uprate any of the piping that operates at or above 30% SMYS in 2014.</i>		
[192.557][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?	<b>Not Applicable</b>

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<b><u>General Comment:</u></b>		
<i>In the Pana service area they did not conduct any uprating activities in 2014.</i>		
<b>OPERATIONS</b>		<b>Status</b>
[192.603(b)][192.605(a)]	Has the operator conducted a review of the Operations and Maintenance Manual once per yr/15 months?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The records associated with the review of the Operations and Maintenance Manual will be inspected at the Pawnee Training Center.</i>		
Has the operator conducted a review of the Operator Qualification Plan once per yr/15 months?		<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The review of the Operators Qualification Plan will be inspected at the Pawnee Training Center.</i>		
[192.603(b)][192.605(b)(3)]	Are construction records, maps, and operating history available to operating personnel?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The Operating personnel have access to maps and records through the mobile data terminal. There are also records and operating history located in their reporting locations.</i>		
[192.603(b)][192.605(b)(8)]	Has the operator periodically reviewed personnel's work to determine the effectiveness of normal O&M procedures when deficiencies are found?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The records associated with the review of personnel's work to determine the effectiveness of normal Operations and Maintenance procedures will be inspected at the Pawnee Training Center.</i>		
<b>CONTINUING SURVEILLANCE RECORDS</b>		<b>Status</b>
[192.603(b)][192.613(a)]	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?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>This information is entered into the GCS System.</i>		
[192.491][192.489]	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?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The operator's system in Pana does not contain cast iron pipelines.</i>		
[192.603(b)][192.755]	Does the operator have surveillance records of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leak	<b>Not Applicable</b>

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	history, or any other unusual operating and maintenance conditions?	
<b>General Comment:</b>		
<i>The operator's system in Pana does not contain cast iron pipelines.</i>		
[192.603(b)][192.753(a)]	Is each cast iron caulked bell and spigot joint that is subject to a pressure of more than 25 (psig.) sealed as required?	<b>Not Applicable</b>
<b>General Comment:</b>		
<i>The operator's system in Pana does not contain cast iron pipelines.</i>		
[192.603(b)][192.753(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?	<b>Not Applicable</b>
<b>General Comment:</b>		
<i>The operator's system in Pana does not contain cast iron pipelines.</i>		
<b>DAMAGE PREVENTION RECORDS</b>		<b>Status</b>
<b>Category Comment:</b>		
<i>The 2014 records associated with Damage Prevention will be reviewed at the Pawnee Training Center.</i>		
[192.603(b)][191.11(a)]	Did the operator track the number of damages per 1000 locate requests for the previous years?	<b>Not Checked</b>
Has the number of damages increased or decreased from prior year?		<b>Not Checked</b>
[192.603(b)][192.617]	Does the operator track records of accidents due to excavation damage to ensure causes of failures are addressed to minimize the recurrence?	<b>Not Checked</b>
[192.603(b)][192.614(c)(3)]	Does the operator provide documentation pertaining to notification of excavation, marking, positive response, and the availability and use of the one call system?	<b>Not Checked</b>
Does the operator have a Quality Assurance Program in place for monitoring the locating and marking of facilities?		<b>Not Checked</b>
Do pipeline operators include performance measures in facility locating contracts?		<b>Not Checked</b>
[IL ADM. CO.265.100(b)(1)]	Was third party damage to mains involving a release of gas reported to ICC JULIE Enforcement? <a href="http://www.icc.illinois.gov/julie/">http://www.icc.illinois.gov/julie/</a>	<b>Not Checked</b>
Has the Operator adopted applicable sections of the Common Ground Alliance Best Practices?		<b>Not Checked</b>
Were Common Ground Alliance Best Practices discussed with the Operator?		<b>Not Checked</b>
<b>EMERGENCY PLANS</b>		<b>Status</b>
<b>Category Comment:</b>		

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<i>The 2014 records associated with the Emergency Plan to be reviewed at the Pawnee Training Center.</i>		
[192.603(b)][192.615(b)(1)]	Are supervisors, responsible for emergency action, furnished copies of the latest edition of the Emergency Plan?	<b>Not Checked</b>
[192.603(b)][192.615(b)(2)]	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?	<b>Not Checked</b>
[192.603(b)][192.615(b)(3)]	Has the operator maintained documentation of employee activity reviews to determine whether the procedures were effectively followed in each emergency?	<b>Not Checked</b>
[192.603(b)][192.615(c)]	Has the operator maintained documentation that the operator established and maintained liaison with appropriate fire, police and other public officials?	<b>Not Checked</b>
[192.603(b)][192.615(a)(3)]	Did the review of emergency response time intervals regarding odor/leak complaint documentation indicate adequate emergency response intervals were achieved?	<b>Not Checked</b>
<b>ODORIZATION OF GAS</b>		<b>Status</b>
[192.603(b)][192.625(f)]	Has the operator maintained documentation of odorant concentration level testing using an instrument?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff reviewed the Odorant Test Point Inspection Records, all readings taken appear to be within the require parameters.</i>		
[192.603(b)][192.625(e)]	Has the operator maintained documentation of odorizer tank levels?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff reviewed Odorizer Inspection Records on GCS. There are only two odorizer in the Pana Service area. The location of the odorizer is Blue Mound and Taylorville.</i>		
[192.603(b)][192.625(f)(1)]	Are master meter operators receiving written verification of odorant concentration levels from their gas supplier?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>This is a requirement for Master Meter Operators.</i>		
[192.603(b)][192.625(f)(2)]	Has the master meter operator maintained documentation of sniff tests performed as required by this section?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>This is a requirement for Master Meter Operators.</i>		
<b>PATROLLING &amp; LEAKAGE SURVEY</b>		<b>Status</b>
[192.603(b)][192.721(b)(1)]	Is the operator patrolling business districts at a minimum of 4 per year/4 1/2 months?	<b>Not Applicable</b>

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<b>General Comment:</b>		
<i>The Pana Operating Center made a determination that the patrol of the distribution piping in the Business District did not contain any areas that need to be patrolled having no mains in places or on structures where anticipated physical movement or external loading could cause failure or leakage.</i>		
[192.603(b)][192.721(b)(2)]	Is the operator patrolling outside business districts at a minimum of 2 per year/7 1/2 months?	<b>Satisfactory</b>
<b>General Comment:</b>		
<i>Staff reviewed the patrolling records for the Pana Service area and determined that patrols are being conducted twice each year and at several locations a once a year patrol is being conducted.</i>		
[192.603(b)][192.723(b)(1)]	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?	<b>Satisfactory</b>
<b>General Comment:</b>		
<i>Staff reviewed paper documents for Business District Leak surveys and did not find any deficiencies at this time. The following City Business Districts were leak surveyed; Blue Mound Taylorville- 2 leaks found leak case #2014-040763 and #2014-040764 Tovey Owaneco Pana-2 leaks found 2014-040951 and a pending leak from 2011-023787 Shelbyville Moweaqua Assumption Macon Nokomis Kincaid</i>		
[192.603(b)][192.723(b)(2)]	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 criterion then were those surveyed? If the operator has yard lines then are those being surveyed?	<b>Satisfactory</b>
<b>General Comment:</b>		
<i>Staff reviewed leak survey documents for Protected Steel, inside meter sets and yard line all surveys appear to meet the proper leak survey cycles. The following towns were included in the Residential Leak Surveys: Taylorville - 16 leaks found Blue Mound - 19 leaks found Macon - three leaks found one leak found Moweaqua - 2 leaks found</i>		
<b>YARD LINES - RESIDENTIAL</b>		<b>Status</b>
[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?	<b>Satisfactory</b>
<b>General Comment:</b>		
<i>The operator provided a list of yard lines for the Pana Operating Center. The following towns have yard lines:</i>		

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Pana 65  
Taylorville 170  
Shelbyville 128  
Macon 11  
Blue Mound 46

[192.463,220 ILCS 2.2.03][220 ILCS 2.2.03]	Has the operator determined if cathodic protection is required on these services?	<b>Satisfactory</b>
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**General Comment:**

*The operator chose to leak survey the yard line every three years in lieu of putting cathodic protection on the yard lines.*

[192.723(b)(1),192.723(b)(2)][220 ILCS 2.2.03]	After the determination of the cathodic protection requirements, has the operator surveyed each line within the required leakage survey intervals?	<b>Satisfactory</b>
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**General Comment:**

*The operator chose to leak survey the yard line every three years in lieu of putting cathodic protection on the yard lines.*

<b>ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES</b>	<b>Status</b>
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[192.603(b)][192.727(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?	<b>Satisfactory</b>
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[192.603(b)][192.727(c)]	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?	<b>Satisfactory</b>
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[192.603(b)][192.727(d)]	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?	<b>Satisfactory</b>
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**General Comment:**

*Ameren utilizes locking devices to discontinue service to a customer.*

[192.603(b)][192.727(e)]	Did the operator maintain documentation when air was used for purging that a combustible mixture was not present after purging?	<b>Not Applicable</b>
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**General Comment:**

*The Pana Service Area location did not conduct purging utilizing air in 2014.*

[192.727(g)][192.727(g)]	Did the operator maintain documentation for each abandoned onshore pipeline facility that crosses over, under or through a commercially navigable waterway?	<b>Not Applicable</b>
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**General Comment:**

*The operator does not have any commercially navigable waterways in the Pana Service Area*

<b>PRESSURE LIMITING AND REGULATION</b>	<b>Status</b>
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[192.603(b)][192.739(a)]	Is the operator inspecting and testing the pressure limiting and regulating stations at a minimum of 1 per year/15 months?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Staff inspected GCS records for the inspection and evaluation of pressure limiting and regulating equipment.</i>		
[192.603(b)][192.743(a)]	Is the operator inspecting pressure limiting and regulating stations for adequate capacity at a minimum of 1 per year/15 months?	<b>Satisfactory</b>
[192.603(b)][192.743(b)]	If the operator used calculations to determine sufficient capacity, were the calculation reviews documented at a minimum of 1 per year/15 months?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Staff inspected GCS records for the inspection and evaluation of pressure limiting and regulating equipment.</i>		
[192.603(b)][192.741(a),192.741(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?	<b>Satisfactory</b>
<b>General Comment:</b> <i>The 2014 records for telemetering and recording gauges will be reviewed during record audit in Springfield Control Center.</i>		
[192.603(b)][192.741(c)]	If there were indications of abnormally high- or low-pressure, were actions taken to correct any unsatisfactory operating conditions?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Staff reviewed charts for the Pana Operating Center.</i>		
[192.603(b)][192.743(a),192.743(b),192.195(b)(2)]	Is overpressure protection provided by the supplier pipeline downstream of the take point?	<b>Not Checked</b>
<b>General Comment:</b> <i>The records associated with overpressure protection downstream of the take points will be inspected at the Pawnee Training Center at a later date.</i>		
[192.603(b)][192.743(a)]	If Yes, does the operator have documentation to verify that these devices have adequate capacity?	<b>Not Checked</b>
<b>General Comment:</b> <i>The records associated with overpressure protection downstream of the take points will be inspected at the Pawnee Training Center at a later date.</i>		
<b>VALVE MAINTENANCE</b>		<b>Status</b>
[192.603(b)][192.747(a),192.747(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?	<b>Satisfactory</b>

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<b><u>General Comment:</u></b>		
<i>Emergency Valves were inspected for the following locations: Taylorville Shelbyville Rosamond Pana Owaneco Ohlman Nokomis Tower Hill Moweaqua Millersville Langleyville Kincaid Jerseyville Blue Mound Assumption Tovey</i>		
[192.603(b)][192.749(a)]	Did the operator inspect and maintain vaults > 200 cubic feet at a minimum of 1 per year/15 months?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The operator does not have any vaults greater than 200 cubic feet in the Pana Service area.</i>		
<b>Investigation Of Failures</b>		<b>Status</b>
<b><u>Category Comment:</u></b>		
<i>These records to be reviewed at the Pawnee Training Center.</i>		
[192.603(b)][192.617]	Did the operator experience accidents or failures requiring analysis?	<b>Not Checked</b>
<b>WELDING OF STEEL PIPE</b>		<b>Status</b>
<b><u>Category Comment:</u></b>		
<i>The 2014 welding records will be reviewed at the Pawnee Training Center.</i>		
[192.603(b)][192.225(b)]	Does the operator have documentation for their qualified welding procedure?	<b>Not Checked</b>
[192.603(b)][192.227,192.229]	Does the operator have documentation of welder qualification as required?	<b>Not Checked</b>
[192.807]	Does the operator have documentation of welder OQ records?	<b>Not Checked</b>
[192.709][192.243(b)(2)]	Does the operator have documentation of NDT personnel qualification as required?	<b>Not Checked</b>
[192.709][192.243(f)]	Does the operator have documentation of NDT testing performed?	<b>Not Checked</b>
<b>JOINING OF MATERIAL OTHER THAN WELDING</b>		<b>Status</b>
<b><u>Category Comment:</u></b>		

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<i>The 2014 Plastic Joining Records to be reviewed at the Pawnee Training Center.</i>		
[192.603(b)][192.285]	Are persons making joints with plastic pipe qualified?	<b>Not Checked</b>
[192.603(b)][192.287]	Are persons inspecting plastic pipe joints qualified?	<b>Not Checked</b>
[192.603(b)][192.283]	Are qualified joining procedures for plastic pipe in place?	<b>Not Checked</b>
<b>CORROSION CONTROL RECORDS</b>		<b>Status</b>
[192.491(a)][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?	<b>Satisfactory</b>
[192.491][192.459]	Has the operator maintained documentation of an examination when buried pipe was exposed?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Staff inspected buried pipe examination forms for the inspection of buried piping requirements. These records contained information about pipe removed for external corrosion.</i>		
[192.491][192.465(a)]	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?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Staff inspected GCS records for the annual cathodic protection requirements and isolated sections monitoring conducted in 2014 All readings were found to be in compliance with this section 192.465 (a). I appears that numerous test points have been added to the cathodic protection system.</i>		
[192.491][192.465(b)]	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?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Staff reviewed rectifier information for the following locations: Pana Tower Hill</i>		
[192.491][192.465(c)]	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?	<b>Satisfactory</b>
<b>General Comment:</b> <i>The following critical interference bonds were checked. There is one critical bonds in the Pana Service area and it was checked 6 times a year. The following foreign structure bonds were checked at the following locations: Taylorville Pana Shelbyville</i>		
[192.491][192.465(d)]	Has the operator taken prompt remedial actions to correct any deficiencies indicated by the monitoring?	<b>Satisfactory</b>

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<b><u>General Comment:</u></b>		
<i>The operator did not have any deficiencies that required any prompt remedial actions.</i>		
[192.491][192.465(e)]	Has the operator maintained documentation of unprotected pipeline surveys, inspections, or tests at a minimum of 3 years/39 months?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The Ameren Pana Service Area location does not contain unprotected pipelines.</i>		
[192.491][192.467(a),192.467(c),192.467(d)]	Has the operator maintained documentation of inspections or tests for electrical isolation at casings?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff inspected readings obtained in 2014 on the carrier pipe and casing to determine electrical isolation. There are approximately 57 casings in the Pana Service area. During 2014 Ameren has added numerous casing reading to the current cathodic protection system.</i>		
[192.491][192.469]	Does the operator have a sufficient number of test stations or other contact points for electrical measurement to determine the adequacy of cathodic protection?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff noted that there appears to be sufficient number of test stations in the Pana service area, the records also indicated that the operator has added more cp test points in some of the outlying towns.</i>		
[192.491][192.471]	Has the operator maintained documentation of corrective actions taken when a test lead is no longer electrically conductive?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The operator has not reported any problems with test leads in the Pana service area.</i>		
[192.491][192.473(b)]	Has the operator maintained documentation of inspections or tests to assure their cathodic protection system is not affecting adjacent underground metallic structures?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The operator commented that they did not know of any underground metallic structures they were affecting.</i>		
[192.491][192.475(a)]	Has the operator maintained documentation of investigations or steps taken to minimize internal corrosion due to transportation of corrosive gas?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The Ameren Pana service area distribution system does not transport corrosive gas.</i>		
[192.491][192.475(b)]	Has the operator maintained documentation of internal surface inspections performed when pipe is removed for any reason?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff inspected buried pipe examinations for the inspection of internal corrosion for the Pana service area.</i>		

# 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.

[192.491][192.477]	Has the operator maintained documentation of internal corrosion coupon monitoring at a minimum of 2 per year/ 7 1/2 months?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>The Ameren Pana service area does not transport corrosive gas.</i>		
[192.491][192.481]	Has the operator maintained documentation of atmospheric corrosion control monitoring at a minimum of 1 per 3 years/ 39 months?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Ameren conducts the atmospheric surveys in conjunction with the leakage surveys in accordance with their waiver.</i>		
[192.491][192.479]	Has the operator maintained documentation of corrective action where atmospheric corrosion was discovered?	<b>Satisfactory</b>
[192.491][192.483(a),192.483(b),192.483(c)]	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?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff inspected buried pipe examination forms for the inspection of buried piping requirements. These records contained information about pipe removed for external corrosion.</i>		
<b>TRAINING - 83 IL ADM. CODE 520</b>		<b>Status</b>
<b><u>Category Comment:</u></b> <i>The training records will be reviewed at the Pawnee Training Center at a later date.</i>		
[520.10(a) (1)]	Has the operator maintained documentation demonstrating that personnel have received adequate training?	<b>Not Checked</b>
[520.10(a) (2)]	Do training records include verbal instruction and/or on the job training for each job classification?	<b>Not Checked</b>
[520.10(b)]	Has the municipal operator maintained documentation demonstrating that personnel have received adequate training?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>This is requirement for municipal operators only.</i>		
[520.10(a)(5)]	Are procedures periodically updated to include new materials, new methods of operation and installation, and changes in general procedures?	<b>Not Checked</b>

# STANDARD INSPECTION REPORT OF A GAS DISTRIBUTION OPERATOR RECORD AUDIT

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