

STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

FIELD 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: AMEREN ILLINOIS COMPANY	Operator ID#: 32513
Inspection Date(s): 3/11/2015, 3/12/2015	Man Days: 2
Inspection Unit: Champaign	
Location of Audit: Mahomet, Champaign, Monticello, Mansfield, Lodge	
Exit Meeting Contact: Robert Roth	
Inspection Type: Standard Inspection - Field Audit	
Pipeline Safety Representative(s): Aaron McElravy	
Company Representative to Receive Report: Michael Fuller	
Company Representative's Email Address: mfuller2@ameren.com	

Headquarters Address Information:	300 Liberty Peoria, IL 61602 Emergency Phone#: (800) 755-5000 Fax#:	
Official or Mayor's Name:	Ron Pate Phone#: (217) 424-6518 Email:	
Inspection Contact(s)	Title	Phone No.
Robert Roth	Senior Quality Assurance	(217) 778-0785

CUSTOMER METER & REGULATOR				Status
<u>Category Comment:</u>				
<i>The following customer meters and regulators were checked to ensure protection from damage, venting requirements, stress, meter case ratings and service line valve requirements.</i>				
<i>Location</i>	<i>Meter #</i>	<i>Location</i>	<i>Meter #</i>	
409 Dorchester Dr. Mahomet	#838095	422 Dorchester Dr. Mahomet	#4106554	
413 Dorchester Dr. Mahomet	#3TC98935	420 Dorchester Dr. Mahomet	#5680237	
418 Dorchester Dr. Mahomet	#20863359	414 Dorchester Dr. Mahomet	#4TC15815	
412 Dorchester Dr. Mahomet	#20680934	411 Dorchester Dr. Mahomet	#5TC77362	
422 Dorchester Dr. Mahomet	#4106554	417 Dorchester Dr. Mahomet	#02C162459	
2107 W. Springfield Avenue Champaign	#9646808	2206 W. Springfield Avenue Champaign	#5TC04119	
1227 Joanne Lane Champaign	#5TC24448	1116 Springfield Avenue Champaign	#20682967	
[192.353(a)]	Is the customer meter and regulator installed in a readily accessible location and protected from corrosion and other damage, including if installed outside a building, vehicular damage that may be anticipated?			Satisfactory

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[192.355(b)(1)]	Is the customer regulator vent rain and insect resistant?	Satisfactory
[192.355(b)(2)]	Is the customer regulator vent located where gas from the vent escapes freely into the atmosphere and away from building openings?	Satisfactory
[192.355(b)(3)]	Is the vent protected from damage caused by submergence in areas of flooding?	Satisfactory
[192.357(a)]	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	Satisfactory
[192.357(d)]	Is a customer regulator that might release gas vented to the outside atmosphere?	Satisfactory
[192.359(a)]	Is the meter operating pressure within the allowable limits of the meter case rating?	Satisfactory
[192.365(a)]	Is the service line valve upstream of the regulator or meter?	Satisfactory
[192.365(c)]	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	Satisfactory

General Comment:

During the field audit Staff identified the following underground valves.

*Monticello Middle School- 2015 E. Washington St, Monticello, IL
Lincoln Trail Elementary School- 102 E. State St, Mahomet, IL*

[192.727(d)][192.727(d)]	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	Satisfactory
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General Comment:

Staff verified disconnection methods utilized during the field audit, the following locations were inspected for the proper methods.

*1116 Springfield Avenue, Champaign Meter #20682967
1227 Joanne Lane, Champaign Meter #5TC24448*

CATHODIC PROTECTION

Status

[192.463(a)]	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	Satisfactory
[192.465(a)]	Were pipe to soil readings taken?	Satisfactory

General Comment:

Pipe to soil reading were obtained at the following locations during the field audit.

Location	Meter # / ID	Pipe-to-Soil
409 Dorchester Dr., Mahomet	#838095	-1.37volts
422 Dorchester Dr., Mahomet	#4106554	-1.256volts
413 Dorchester Dr., Mahomet	#3TC98935	-1.268volts
420 Dorchester Dr., Mahomet	#5680237	-1.255volts
418 Dorchester Dr., Mahomet	#20863359	-1.254volts
414 Dorchester Dr., Mahomet	#4TC15815	-1.254volts
412 Dorchester Dr., Mahomet	#20680934	-1.258volts
Pressure Control Station ID	#32-MAH-7	-1.52volts
Pressure Control Station ID	#32-MAN-7	-1.60volts

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[192.465(b)]	Were rectifier installations inspected?	Satisfactory																					
General Comment:																							
Staff inspected two rectifiers during the field audit, the locations and readings obtained are listed below.																							
Champaign Rectifier - Test Point ID #32-4 / 12volts - 10amps Mahomet Rectifier / 3.94Volts - 1.2amps																							
[192.465(a)]	Were isolated mains/services tested?	Satisfactory																					
General Comment:																							
During the field audit the following isolated services were checked for adequate cathodic protection levels.																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Location</th> <th style="width: 30%;">Test Point ID</th> <th style="width: 40%;">Pipe-to-Soil</th> </tr> </thead> <tbody> <tr> <td>2107 W. Springfield Avenue, Champaign</td> <td>#32-IP028151</td> <td>-1.025volts</td> </tr> <tr> <td>1902 Round Barn Rd, Champaign</td> <td>#32-SP38512840</td> <td>-1.194volts</td> </tr> <tr> <td>2206 W. Springfield Avenue, Champaign</td> <td>#32-SP85034217</td> <td>-1.04volts</td> </tr> <tr> <td>411 Dorchester Dr., Mahomet</td> <td>#32-SP6315556</td> <td>-1.280volts</td> </tr> <tr> <td>422 Dorchester Dr., Mahomet</td> <td>#32-SP8336593</td> <td>-1.256volts</td> </tr> <tr> <td>417 Dorchester Dr., Mahomet</td> <td>#32-SP7332420</td> <td>-1.265volts</td> </tr> </tbody> </table>			Location	Test Point ID	Pipe-to-Soil	2107 W. Springfield Avenue, Champaign	#32-IP028151	-1.025volts	1902 Round Barn Rd, Champaign	#32-SP38512840	-1.194volts	2206 W. Springfield Avenue, Champaign	#32-SP85034217	-1.04volts	411 Dorchester Dr., Mahomet	#32-SP6315556	-1.280volts	422 Dorchester Dr., Mahomet	#32-SP8336593	-1.256volts	417 Dorchester Dr., Mahomet	#32-SP7332420	-1.265volts
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[192.465(c)]	Were critical/non critical bonds tested?	Not Applicable																					
General Comment:																							
The Ameren Champaign inspection unit does not contain critical or non-critical bonds.																							
[192.467(a)]	Is electrical isolation provided by use of insulated meter spud, valve, union, or flange?	Satisfactory																					
General Comment:																							
All facilities inspected during this field audit contained the required isolation devices.																							
[192.467(c)]	Were casings installations tested for electrical isolation?	Satisfactory																					
General Comment:																							
Casings were checked for electrical isolation at the following locations in Champaign during the field audit.																							
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[192.479(a)]	Is the above ground piping coated or painted as required?	Satisfactory																					
General Comment:																							
All above ground facilities listed were inspected for proper coatings to prevent atmospheric corrosion.																							
[192.479(c)]	Is the pipeline free of corrosion or pitting?	Satisfactory																					

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<u>General Comment:</u>		
<i>All above ground facilities listed were free of corrosion or pitting.</i>		
DAMAGE PREVENTION		Status
[192.614]	Does the operator have a valid notification of planned excavation activities?	Satisfactory
<u>General Comment:</u>		
<i>Staff verified notices of planned excavation during the field audit, the following locations were checked for proper markings in accordance with the O&M.</i>		
<i>Location</i>	<i>Locate Ticket #</i>	
<i>12 Jefferson Crossing, Champaign</i>	<i>X000680280</i>	
<i>1204 Declaration, Champaign</i>	<i>X000680341</i>	
[265.40(a)]	Did the operator complete the locating activities in the specified timeframe?	Satisfactory
[192.614(c)(5)]	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	Satisfactory
[192.707(a)(1)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located at each crossing of a public road and railroad?	Satisfactory
[192.707(a)(2)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference?	Satisfactory
[192.707(c)]	Are line markers placed and maintained as close as practical over each main and transmission line located above ground?	Satisfactory
[192.707(d)(1)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The word "Warning," "Caution," or "Danger" followed by the words "Gas (or name of gas transported) Pipeline" all of which, except for markers in heavily developed urban areas, must be in letters at least 1 inch (25 millimeters) high with ¼ inch (6.4 millimeters) stroke?	Satisfactory
<u>General Comment:</u>		
<i>Line markers were identified in various locations during the field audit and checked for the proper labeling requirements at the following locations.</i>		
<i>County Highway 4 & East Washington Monticello, IL</i>		
<i>Cardinal & Staley Road Champaign, IL</i>		
<i>900 East & 2850 N, Monticello, IL</i>		
<i>900 East & 2350 N, Monticello, IL</i>		
[192.707(d)(2)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The name and phone number (including area code) of the operator where the operator can be reached at all times?	Satisfactory
PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)		Status

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<u>Category Comment:</u>		
<i>The following pressure limiting and regulating stations were inspected to ensure proper set points, protection from damage, pipe supports, venting requirements and the securement of isolation valves to prevent unauthorized operation.</i>		
<i>Station ID Location</i>		
<i>32-MAH-7 Mahomet</i>		
<i>32-MAN-7 Mansfield</i>		
<i>32-MAN-2 Mansfield</i>		
<i>32-DEL-1 Lodge</i>		
<i>32-MON Monticello</i>		
[192.739(a)(4)]	Was each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests to determine that it is properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation.?	Satisfactory
[192.317(b)]	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	Satisfactory
[192.741(a),192.741(c)]	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	Satisfactory
[192.743(a)]	Is overpressure protection provided on the pipeline down stream of the take point?	Not Checked
<u>General Comment:</u>		
<i>Ameren has identified locations requiring additional protection and has devised a plan to add additional facilities downstream of the take point. Ameren is periodically providing Staff with updates regarding the progress.</i>		
[192.199(d)]	Were the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	Satisfactory
[192.199(e)]	Were the pressure relief or pressure limiting devices inspected to determine if the discharge stacks, vents, or outlet ports were designed to prevent accumulation of water, ice, or snow, and located where gas can be discharged into the atmosphere without undue hazard?	Satisfactory
[192.199(h)]	Was each valve, designed to isolate the system under protection from its source of pressure, secured to prevent unauthorized operation of any stop valve that will make the pressure relief valve or pressure limiting device inoperative?	Satisfactory
VALVE MAINTENANCE		Status
[192.747(a)]	Were the valves readily accessible and was the operator able to access the valve with the appropriate valve wrench?	Satisfactory
<u>General Comment:</u>		
<i>Valves were checked at the following locations during the field audit.</i>		
<i>Location</i>	<i>Valve ID #</i>	
<i>Mansfield</i>	<i>32-10289186</i>	
<i>Mahomet</i>	<i>32-10289186</i>	
<i>Mansfield</i>	<i>32-738517</i>	
<i>Lodge</i>	<i>32-741383</i>	

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Lodge 32-741384
 Champaign 32-741899
 Monticello 32-741895
 Monticello 32-741910

[192.179(c)]	If blow down activities were observed, were the blow down valves properly sized to allow the transmission pipeline to vent as rapidly as practicable and did the blow down vent freely to atmosphere away from any hazards?	Not Applicable
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General Comment:

During the field audit no blow down activities were being conducted.

ODORIZATION OF GAS	Status
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[192.625(a)]	Was the odor intensity level readily detectable at or below 1/5th LEL?	Satisfactory
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General Comment:

Staff observed an odorant intensity reading of .19% gas-in-air at 11 Airport Rd. Champaign, IL

[192.625(e)]	Was the Odorization equipment and tank levels inspected?	Satisfactory
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General Comment:

During the field audit odorant tank levels were inspected at the following locations and were determined to be adequate.

*Station #32-MON-8 Monticello, IL
 Station #32-DEL-1 Lodge, IL
 Station #32-MAN-2 Mansfield, IL*

[192.625(f)]	Was the operator's equipment calibrated as required?	Satisfactory
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General Comment:

The equipment used to obtain the odorant reading was a Heath Odorator Serial # 2480-5 calibrated January 6, 2015.

TRANSMISSION	Status
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[192.179(b)(1)]	Are transmission valves protected from tampering or damage?	Not Checked
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General Comment:

Staff did not inspect transmission valves during this audit, Staff focused on facilities associated with the distribution system.

[192.745(a)]	Were the valves inspected accessible?	Not Checked
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General Comment:

Staff did not inspect transmission valves during this audit, Staff focused on facilities associated with the distribution system.

[192.719(a)]	Is pre-tested transmission pipe inventory maintained for use in an emergency?	Not Applicable
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General Comment:

Ameren does not maintain pre-tested transmission pipe at this location.

MARKING OF MATERIAL	Status
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[192.63(a)]	Does the operator's components and pipe contain the required markings?	Satisfactory
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General Comment:

During the field audit all pipe and components listed contained the required markings.

OPERATOR QUALIFICATION	Status
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?	No

General Comment:

Staff did not complete a PHMSA Form 15 during this audit. Staff verified the following individual qualifications during the audit.

Name	Title	Last OQ Date
<i>James Jamison</i>	<i>Reg Tech</i>	<i>6-30-2014</i>
<i>Mike Eicehelberger</i>	<i>Reg Tech</i>	<i>5-2-2014</i>
<i>Andrew Hammond</i>	<i>Reg Tech</i>	<i>10-1-2013</i>
<i>Joseph Hermansa</i>	<i>Corrosion Tech</i>	<i>4-15-2014</i>

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