

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD 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): 3/12/2015, 3/24/2015</b>	Man Days: 2
<b>Inspection Unit: Jerseyville/Virden</b>	
<b>Location of Audit: Jerseyville</b>	
<b>Exit Meeting Contact: Chuck Tebbe</b>	
<b>Inspection Type: Standard Inspection - Field Audit</b>	
<b>Pipeline Safety Representative(s): Valerie Schwing</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>
Chuck Tebbe	Quality Assurance	
Rodger Camerer	Supervisor Gas Operations	

CUSTOMER METER & REGULATOR	Status
<b><u>Category Comment:</u></b>	
<i>Staff examined the following customer meter sets and risers in Jerseyville:</i>	
<i>Spruce Street: 208 (PE), 212 (-1.389 volts), 412 (-1.35 volts), 414 (-1.36 volts), 416 (-1.36 volts), 427 (PE), 419 (-1.37 volts), 417 (-1.37 volts), 415 (PE), 413 (-1.35 volts), 409 (-1.36 volts), 405 (-1.35 volts), 313 (-1.39 volts), 309 (-1.39 volts), 305 (-1.39 volts), 301 (-1.39 volts), 213 (-1.37 volts), and 201 (-1.38 volts)</i>	
<i>N. Pleasant Street: 207 (-1.38 volts)</i>	
<i>Giddings Street: 208 (-1.370 volts)</i>	
<i>Liberty Street: 704 (-1.31 volts), 706 (PE), 610 (-1.33 volts), 600 (-1.34 volts), 408 (-1.33 volts), 405 (-1.35 volts), 407 (-1.34 volts), 409 (PE), 411 (PE), 501 (-1.34 volts), 503 (-1.32 volts), and 505 (-1.32 volts)</i>	
<i>Barr Street: 401 (-1.32 volts) and 308 (-1.31 volts)</i>	
<i>Charter Street: 304 (-1.366 volts)</i>	

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[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?	<b>Satisfactory</b>
[192.355(b)(1)]	Is the customer regulator vent rain and insect resistant?	<b>Satisfactory</b>
[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?	<b>Satisfactory</b>
[192.355(b)(3)]	Is the vent protected from damage caused by submergence in areas of flooding?	<b>Satisfactory</b>
[192.357(a)]	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	<b>Satisfactory</b>
[192.357(d)]	Is a customer regulator that might release gas vented to the outside atmosphere?	<b>Satisfactory</b>
[192.359(a)]	Is the meter operating pressure within the allowable limits of the meter case rating?	<b>Satisfactory</b>
[192.365(a)]	Is the service line valve upstream of the regulator or meter?	<b>Satisfactory</b>
[192.365(c)]	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
After the audit was conducted, Staff discussed with the operator that there were indeed curb boxes. An audit will be scheduled at a later date to examine the curb boxes.		
[192.727(d)][192.727(d)]	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
Staff observed the following customer's piping disconnected at the ends and sealed, 503 Liberty Street and 412 Spruce Street.		
<b>CATHODIC PROTECTION</b>		<b>Status</b>
<b><u>Category Comment:</u></b>		
Staff observed cathodic protection readings for the following risers in Jerseyville: Spruce Street: 212 (-1.389 volts), 412 (-1.35 volts), 414 (-1.36 volts), 416 (-1.36 volts), 419 (-1.37 volts), 417 (-1.37 volts), 413 (-1.35 volts), 409 (-1.36 volts), 405 (-1.35 volts), 313 (-1.39 volts), 309 (-1.39 volts), 305 (-1.39 volts), 301 (-1.39 volts), 213 (-1.37 volts), and 201 (-1.38 volts) N. Pleasant Street: 207 (-1.38 volts) Giddings Street: 208 (-1.370 volts) Liberty Street: 704 (-1.31 volts), 610 (-1.33 volts), 600 (-1.34 volts), 408 (-1.33 volts), 405 (-1.35 volts), 407 (-1.34 volts), 501 (-1.34 volts), 503 (-1.32 volts), and 505 (-1.32 volts) Barr Street: 401 (-1.32 volts) and 308 (-1.31 volts) Charter Street: 304 (-1.366 volts)		
[192.463(a)]	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	<b>Satisfactory</b>
[192.465(a)]	Were pipe to soil readings taken?	<b>Satisfactory</b>

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[192.465(b)]	Were rectifier installations inspected?	<b>Satisfactory</b>
<b>General Comment:</b> Staff examined the rectifier in Manchester, IL, with a DC reading of 20 volts and a 10 amps. The rectifier was supplying 3.7 volts.		
[192.465(a)]	Were isolated mains/services tested?	<b>Not Applicable</b>
<b>General Comment:</b> After the audit was conducted, Staff discussed with the operator that there were indeed isolated services. An audit will be scheduled at a later date to examine the isolated services.		
[192.465(c)]	Were critical/non critical bonds tested?	<b>Not Applicable</b>
<b>General Comment:</b> The operator's system does not contain critical/non critical bonds.		
[192.467(a)]	Is electrical isolation provided by use of insulated meter spud, valve, union, or flange?	<b>Satisfactory</b>
[192.467(c)]	Were casings installations tested for electrical isolation?	<b>Satisfactory</b>
<b>General Comment:</b> Staff observed a casing reading near the 250026 regulator station of -1.158 volts and the pipe to soil reading of -1.395 volts.		
[192.479(a)]	Is the above ground piping coated or painted as required?	<b>Satisfactory</b>
[192.479(c)]	Is the pipeline free of corrosion or pitting?	<b>Satisfactory</b>
<b>DAMAGE PREVENTION</b>		<b>Status</b>
<b>Category Comment:</b> The operator contracts the J.U.L.I.E. locating to a company called USIC. The operator only locates their own facilities when USIC cannot locate the operator's pipeline. At the time of the audit the operator did not have any locating tickets recently located or needed to be located. Staff did however, conduct a PHMSA Form 15 Operator Qualification Field Inspection Protocol regarding locating underground facilities.		
[192.614]	Does the operator have a valid notification of planned excavation activities?	<b>Not Checked</b>
[265.40(a)]	Did the operator complete the locating activities in the specified timeframe?	<b>Not Checked</b>
[192.614(c)(5)]	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	<b>Satisfactory</b>
[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?	<b>Satisfactory</b>
<b>General Comment:</b> Staff observed signs and markings at the regulator station numbers 250025, 250034, 250033, and 250026.		
[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	<b>Satisfactory</b>

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	the transmission line or main to reduce the possibility of damage or interference?	
[192.707(c)]	Are line markers placed and maintained as close as practical over each main and transmission line located above ground?	<b>Satisfactory</b>
[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?	<b>Satisfactory</b>
[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?	<b>Satisfactory</b>
<b>PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)</b>		<b>Status</b>
<b><u>Category Comment:</u></b>		
<i>Staff examined the station numbers 250025, 250034, 250033, and 250026.</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.?	<b>Satisfactory</b>
[192.317(b)]	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	<b>Satisfactory</b>
[192.741(a), 192.741(c)]	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	<b>Satisfactory</b>
[192.743(a)]	Is overpressure protection provided on the pipeline down stream of the take point?	<b>Satisfactory</b>
[192.199(d)]	Were the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	<b>Satisfactory</b>
[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?	<b>Satisfactory</b>
[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?	<b>Satisfactory</b>
<b>VALVE MAINTENANCE</b>		<b>Status</b>
[192.747(a)]	Were the valves readily accessible and was the operator able to access the valve with the appropriate valve wrench?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		

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Staff examined the valve numbers 250F025, 250F026, 250F034, and 250R422. All of the valves were accessible by the appropriate wrench.

ODORIZATION OF GAS		Status
<b>Category Comment:</b>		
Staff observed an odorant reading of 0.5 percent gas to air, at the Ameren Warehouse, on Burke Street and an odorant reading of 0.35 percent gas to air, at the Jerseyville Wellness Center, on Maple Summit Road. The odorant reading was taken using a Bacharach JW Odorometer, which was last calibrated September 24, 2014, and is due to be recalibrated on September 24, 2015. Staff also obtained the tank reading for the Manchester odorizer NJEX 6300, with a tank reading of 155 gallons and an injection rate of 0.883 pounds of odorant per MMCF.		
[192.625(a)]	Was the odor intensity level readily detectable at or below 1/5th LEL?	<b>Satisfactory</b>
[192.625(e)]	Was the Odorization equipment and tank levels inspected?	<b>Satisfactory</b>
[192.625(f)]	Was the operator's equipment calibrated as required?	<b>Satisfactory</b>
TRANSMISSION		Status
<b>Category Comment:</b>		
The operator's system does not contain transmission pipelines.		
[192.179(b)(1)]	Are transmission valves protected from tampering or damage?	<b>Not Applicable</b>
[192.745(a)]	Were the valves inspected accessible?	<b>Not Applicable</b>
[192.719(a)]	Is pre-tested transmission pipe inventory maintained for use in an emergency?	<b>Not Applicable</b>
[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?	<b>Not Applicable</b>
MARKING OF MATERIAL		Status
<b>Category Comment:</b>		
Staff examined the API 5L ¾ inch steel pipe and the 2' IPS DR11 PE 2406/2708 ASTM D2513. The PE pipe had a manufactured date of 05/28/14 and 10/8/13.		
[192.63(a)]	Does the operator's components and pipe contain the required markings?	<b>Satisfactory</b>
OPERATOR QUALIFICATION		Status
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?		<b>Yes</b>

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