

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): 5/8/2014	Man Days: 1
Inspection Unit: Kewanee	
Location of Audit: Kewanee	
Exit Meeting Contact:	
Inspection Type: Standard Inspection - Field Audit	
Pipeline Safety Representative(s): Kevin Hecker	
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#: Fax#:	
Official or Mayor's Name:	Ron Pate Phone#: (217) 424-6518 Email:	
Inspection Contact(s)	Title	Phone No.

CUSTOMER METER & REGULATOR		Status
[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
General Comment:		
<i>Staff inspected several customer meter sets while checking cathodic protection readings. These meter sets were located on the side of the buildings being served, away from vehicular traffic.</i>		
[192.355(b)(1)]	Is the customer regulator vent rain and insect resistant?	Satisfactory
General Comment:		
<i>One farm tap was observed with an unprotected regulator vent port. The port had a screen, however, pointed parallel to the ground with no down-turn to protect from rain/ice. This was identified immediately by the operator's quality assurance liaison and the issue was called in. Staff was told during the exit meeting that the regulator would be swapped out and the vent screen will be pointed to the ground. That particular regulator would not accept modification of the port to better protect it from rain/ice.</i>		
[192.355(b)(2)]	Is the customer regulator vent located where gas from the vent escapes freely	Satisfactory

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	into the atmosphere and away from building openings?	
General Comment:		
<i>All regulator vents observed allowed for the free escape of gas into the atmosphere and away from building openings.</i>		
[192.355(b)(3)]	Is the vent protected from damage caused by submergence in areas of flooding?	Not Applicable
General Comment:		
<i>No meter sets observed appeared to be in areas of possible flooding.</i>		
[192.357(a)]	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	Satisfactory
General Comment:		
<i>All meter sets observed were well supported.</i>		
[192.357(d)]	Is a customer regulator that might release gas vented to the outside atmosphere?	Satisfactory
General Comment:		
<i>All regulator vents observed allowed for the free escape of gas into the atmosphere and away from building openings.</i>		
[192.359(a)]	Is the meter operating pressure within the allowable limits of the meter case rating?	Satisfactory
General Comment:		
<i>The operating pressure was well below the meter case ratings for all meter sets observed.</i>		
[192.365(a)]	Is the service line valve upstream of the regulator or meter?	Satisfactory
General Comment:		
<i>All service line valves were located upstream of the meter set and easily accessible.</i>		
[192.365(c)]	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	Not Checked
General Comment:		
<i>No underground service line valves were observed.</i>		
[192.727(d)][192.727(d)]	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	Not Checked
General Comment:		
<i>No interrupted service lines were observed during this audit.</i>		
CATHODIC PROTECTION		Status
[192.463(a)]	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	Satisfactory
General Comment:		

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Ameren is compliant with Appendix D cathodic protection criteria.

[192.465(a)]	Were pipe to soil readings taken?	Satisfactory
<u>General Comment:</u>		
<i>In addition to the isolated section in Wyanet, several farm taps were checked for proper cathodic protection.</i>		
<i>8173 Route 6: -1.81 7921 Route 6: -1.83 7800 Route 6: -1.81 6733 Route 6: -1.88</i>		
[192.465(b)]	Were rectifier installations inspected?	Not Checked
<u>General Comment:</u>		
<i>No rectifier installations inspected during this audit.</i>		
[192.465(a)]	Were isolated mains/services tested?	Satisfactory
<u>General Comment:</u>		
<i>An isolated section in Wyanet was checked for proper cathodic protection.</i>		
<i>Readings taken are as follows:</i>		
<i>401 Maple Street: -1.29 404 Maple Street: -1.03 405 Maple Street: -1.34 406 Maple Street: -1.28 410 Maple Street: -1.40 411 Maple Street: -1.30 413 Maple Street: -1.35 415 Maple Street: -1.20 416 Maple Street: -1.28</i>		
[192.465(c)]	Were critical/non critical bonds tested?	Not Checked
<u>General Comment:</u>		
<i>No bonds (critical or non-critical) were tested during this audit.</i>		
[192.467(a)]	Is electrical isolation provided by use of insulated meter spud, valve, union, or flange?	Satisfactory
<u>General Comment:</u>		
<i>All customer-owned piping observed was properly insulated from the operator's service line.</i>		
[192.467(c)]	Were casings installations tested for electrical isolation?	Satisfactory
<u>General Comment:</u>		
<i>Staff inspected a casing at a railroad crossing located at East Main and South Walnut in Wyanet. CP readings were taken:</i>		
<i>Pipeline: -1.16 Casing: -.13</i>		
[192.479(a)]	Is the above ground piping coated or painted as required?	Satisfactory
[192.479(c)]	Is the pipeline free of corrosion or pitting?	Satisfactory

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DAMAGE PREVENTION		Status
[192.614]	Does the operator have a valid notification of planned excavation activities?	Not Applicable
General Comment: <i>No activities requiring excavation were observed during this audit.</i>		
[265.40(a)]	Did the operator complete the locating activities in the specified timeframe?	Not Applicable
General Comment: <i>No activities requiring excavation were observed during this audit.</i>		
[192.614(c)(5)]	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	Not Applicable
General Comment: <i>No activities requiring excavation were observed during this audit.</i>		
[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
General Comment: <i>All road and railroad crossings observed were properly identified with line markers.</i>		
[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
General Comment: <i>Line markers were properly placed and maintained as close as practical over each buried main.</i>		
[192.707(c)]	Are line markers placed and maintained as close as practical over each main and transmission line located above ground?	Satisfactory
General Comment: <i>All regulator stations were properly identified with barriers and/or line markers.</i>		
[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
General Comment: <i>The line markers observed during this audit contained the required information.</i>		

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[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
General Comment:		
<i>The line markers observed during this audit contained the required information.</i>		
PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)		Status
[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
General Comment:		
<i>Regulator station records were reviewed with no deficiencies identified during this audit.</i>		
[192.317(b)]	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	Satisfactory
General Comment:		
<i>All regulator stations observed were surrounded with barricades and/or inside fenced enclosures.</i>		
[192.741(a),192.741(c)]	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	Not Checked
General Comment:		
<i>ERT records were not reviewed during this audit.</i>		
[192.743(a)]	Is overpressure protection provided on the pipeline down stream of the take point?	Satisfactory
General Comment:		
<i>Each take point within the Kewanee operating territory was protected by a relief valve.</i>		
[192.199(d)]	Were the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	Satisfactory
General Comment:		
<i>Staff observed a regulator station in Sheffield that was being supported by an adjustable temporary "pipe stand" style support. The other 2 permanent supports were not touching the reg station piping. It was explained that the reg station was leaning slightly due to the ground settling over the winter and the temporary stand was put in place to straighten the station. A field crew was called and Staff was assured that the temporary stand was to be removed and permanent supports repositioned to properly support the reg station by the next day.</i>		
<i>All other regulator stations observed were well supported and maintained.</i>		
[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

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General Comment:		
<i>The discharge stacks on all relief valves observed were sufficiently protected from the elements.</i>		
[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
General Comment:		
<i>All valves inspected were sufficiently protected unauthorized operation.</i>		
VALVE MAINTENANCE		Status
[192.747(a)]	Were the valves inspected accessible?	Satisfactory
General Comment:		
<i>All valves observed were easily accessible and able to be operated in case of an emergency.</i>		
ODORIZATION OF GAS		Status
[192.625(a)]	Was the odor intensity level readily detectable at or below 1/5th LEL?	Not Checked
General Comment:		
<i>No odor intensity level checks were conducted during this audit.</i>		
[192.625(e)]	Was the Odorization equipment and tank levels inspected?	Satisfactory
General Comment:		
<i>Staff observed odorization equipment and tank levels at the Wyanet regulator site. The equipment/tank levels were well maintained and in working order.</i>		
<i>Note: NOPV was written for insufficient odorization rates at 3 separate odorization stations. (See record audit)</i>		
[192.625(f)]	Was the operator's equipment calibrated as required?	Satisfactory
General Comment:		
<i>Staff confirmed the calibration of the odor-testing equipment:</i>		
<i>Serial #: Calibration dates:</i>		
<i>#18652 9/12 and 9/13</i>		
<i>#18653 9/12 and 9/13</i>		
<i>#18659 9/12 and 9/13</i>		
<i>#908010 11/12 and 11/13</i>		
TRANSMISSION		Status
Category Comment:		
<i>There is no Ameren-owned transmission pipeline within Ameren Kewanee's operating territory.</i>		
[192.179(b)(1)]	Are transmission valves protected from tampering or damage?	Not Applicable
[192.745(a)]	Were the valves inspected accessible?	Not Applicable
[192.719(a)]	Is pre-tested transmission pipe inventory maintained for use in an emergency?	Not Applicable
MARKING OF MATERIAL		Status

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[192.63(a)]	Does the operator's components and pipe contain the required markings?	Satisfactory
<u>General Comment:</u>		
<i>All pipe and components observed were properly marked.</i>		
OPERATOR QUALIFICATION		Status
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?		No

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