

# 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): 9/5/2013</b>                                | Man Days: 1         |
| <b>Inspection Unit: Hillsboro/Mt. Clare</b>                        |                     |
| <b>Location of Audit: Hillsboro, Raymond</b>                       |                     |
| <b>Exit Meeting Contact: Robert Weathers</b>                       |                     |
| <b>Inspection Type: Standard Inspection - Field Audit</b>          |                     |
| <b>Pipeline Safety Representative(s): Aaron McElravy</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<br>Peoria, IL 61602<br>Emergency Phone#:<br>Fax#: |                  |
| <b>Official or Mayor's Name:</b>         | Ron Pate<br>Phone#: (217) 424-6518<br>Email:                  |                  |
| <b>Inspection Contact(s)</b>             | <b>Title</b>  | <b>Phone No.</b> |
| Chuck Tebbe                              | Quality Assurance Consultant                                  | (618) 210-5018   |
| Robert Weathers                          | Supervisor Gas Operations                                     | (618) 699-1350   |
| David Deluca                             | Supervisor Gas Operations                                     | (217) 835-4328   |

| <b>CUSTOMER METER &amp; REGULATOR</b>  | <b>Status</b> |
|--|---------------|
| <b><u>Category Comment:</u></b>  |               |
| <i>Customer meters and regulators were inspected at the following locations.</i> |               |
| #12 Westwood Lane Hillsboro, IL.   |               |
| #15 Westwood Lane Hillsboro, IL.   |               |
| #8 Westwood Lane Hillsboro, IL.  |               |
| #18 Berry Hill Rd, Hillsboro, IL.  |               |
| #65 Berry Hill Rd, Hillsboro, IL.  |               |
| #77 Berry Hill Rd, Hillsboro, IL.  |               |
| #75 Berry Hill Rd, Hillsboro, IL.  |               |
| #68 Berry Hill Rd, Hillsboro, IL.  |               |
| #20193 North Rd, Hillsboro, IL.  |               |
| #13309 North Rd. Hillsboro, IL.  |               |

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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 Checked</b>  |
| <b><u>General Comment:</u></b>  |  |                     |
| <i>During this audit no service line valves were identified or inspected.</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?  | <b>Not Checked</b>  |
| <b><u>General Comment:</u></b>  |  |                     |
| <i>Staff did not encounter or inspect facilities that had been discontinued for locking devices.</i>  |  |                     |
| <b>CATHODIC PROTECTION</b>  |  | <b>Status</b>       |
| [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> |
| [192.465(b)]  | Were rectifier installations inspected?  | <b>Satisfactory</b> |
| <b><u>General Comment:</u></b>  |  |                     |
| <i>During the field audit Staff inspected rectifier #6-6-90R located at North Rd &amp; 22nd Avenue. The readings obtained are listed below.<br/>2.635 Volts, 2.44 amps.</i> |  |                     |
| [192.465(a)]  | Were isolated mains/services tested?   | <b>Satisfactory</b> |
| <b><u>General Comment:</u></b>  |  |                     |
| <i>During the field audit Staff obtained maps of isolated sections of steel mains. Staff inspected the following locations during the field audit.</i>                      |  |                     |

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| Location   | Reading  |                     |
|--|--|---------------------|
| #12 Westwood Lane Hillsboro, IL.   | -1.46  |                     |
| #15 Westwood Lane Hillsboro, IL.   | -1.42  |                     |
| #8 Westwood Lane Hillsboro, IL.  | -1.45  |                     |
| #18 Berry Hill Rd, Hillsboro, IL.  | -1.208   |                     |
| #65 Berry Hill Rd, Hillsboro, IL.  | -1.467   |                     |
| #77 Berry Hill Rd, Hillsboro, IL.  | -1.474   |                     |
| #75 Berry Hill Rd, Hillsboro, IL.  | -1.415   |                     |
| #68 Berry Hill Rd, Hillsboro, IL.  | -1.435   |                     |
| 20193 North Rd. Hillsboro, IL.   | -2.126   |                     |
| 13309 North Rd. Hillsboro, IL.   | -1.317   |                     |
| [192.465(c)]   | Were critical/non critical bonds tested?   | <b>Satisfactory</b> |
| <b>General Comment:</b>  |  |                     |
| <p><i>During the field audit Staff inspected Ameren's Critical Bond ID 66-150B with Buckeye Pipeline located at the intersection of Oilfield Rd. &amp; 22nd Avenue, Hillsboro, IL. The readings obtained were as follows.</i></p> <p><i>-1.75 VDC- Reference Cell, -1.57 VDC Pipe to soil, -25 amps.</i></p>         |  |                     |
| [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>  |  |                     |
| <p><i>During the field audit one casing test point ID 66-21360 was selected to obtain a reading to determine electrical isolation. The reading was obtained at a railroad crossing located at the intersection of East Street &amp; North Rd. in Raymond, IL.</i></p> <p><i>Carrier Pipe -1.320 Casing -.842</i></p> |  |                     |
| [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>       |
| [192.614]  | Does the operator have a valid notification of planned excavation activities?                    | <b>Not Checked</b>  |
| <b>General Comment:</b>  |  |                     |
| <p><i>Staff did not inspect damage prevention requirements during this audit, Staff focused on cathodic protection requirements, valves, and customer meters.</i></p>  |  |                     |
| [265.40(a)]  | Did the operator complete the locating activities in the specified timeframe?                    | <b>Not Checked</b>  |
| <b>General Comment:</b>  |  |                     |
| <p><i>Staff did not inspect damage prevention requirements during this audit, Staff focused on cathodic protection requirements, valves, and customer meters.</i></p>  |  |                     |
| [192.614(c)(5)]  | Were temporary markings made in accordance with the operator's Operation and Maintenance Manual? | <b>Not Checked</b>  |
| <b>General Comment:</b>  |  |                     |
| <p><i>Staff did not inspect damage prevention requirements during this audit, Staff focused on cathodic protection requirements, valves, and customer meters.</i></p>  |  |                     |

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| [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><u>General Comment:</u></b>  |  |                     |
| <i>Line Markers were checked at the following locations.</i>  |  |                     |
| <i>North Woods Court &amp; North Rd. Hillsboro, IL.</i>   |  |                     |
| <i>Butler &amp; North Rd. Hillsboro, IL.</i>  |  |                     |
| <i>15th Avenue and North Rd. Hillsboro, IL.</i>   |  |                     |
| <i>North 21st. &amp; North Rd. Hillsboro, IL.</i>   |  |                     |
| <i>22nd &amp; North Rd. Hillsboro, IL.</i>  |  |                     |
| <i>Oilfield Rd. &amp; North Rd. Hillsboro, IL.</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?   | <b>Satisfactory</b> |
| [192.707(c)]  | Are line markers placed and maintained as close as practical over each main and transmission line located above ground?  | <b>Not Checked</b>  |
| <b><u>General Comment:</u></b>  |  |                     |
| <i>Staff did not encounter or inspect pipeline markers located on above ground facilities.</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? | <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 did not inspect pressure regulating and limiting devices during this audit. The audit focused on cathodic protection requirements, valves and customer meters.</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>Not Checked</b>  |
| [192.317(b)]  | Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?  | <b>Not Checked</b>  |
| [192.741(a),192.741(c)]   | Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?   | <b>Not Checked</b>  |

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| [192.743(a)]   | Is overpressure protection provided on the pipeline down stream of the take point?  | <b>Not Checked</b>    |
| [192.199(d)]   | Did the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?   | <b>Not Checked</b>    |
| [192.199(e)]   | Did 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>Not Checked</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>Not Checked</b>    |
| <b>VALVE MAINTENANCE</b>   |   | <b>Status</b>         |
| [192.747(a)]   | Were the valves inspected accessible?   | <b>Satisfactory</b>   |
| <b>General Comment:</b>  |   |                       |
| <i>Valves were inspected at the following locations.</i>   |   |                       |
| #718092 Seyborne and Broadway  |   |                       |
| #731879 Seyborne and Broadway  |   |                       |
| #718355 East Hargrave Avenue   |   |                       |
| <b>ODORIZATION OF GAS</b>  |   | <b>Status</b>         |
| [192.625(a)]   | Was the odor intensity level readily detectable at or below 1/5th LEL?  | <b>Satisfactory</b>   |
| <b>General Comment:</b>  |   |                       |
| <i>An odorant reading was obtained at 1915 Old Business Line Rd. utilizing a Heath Odorator Serial # 2000913008 with a calibration date of 12-12-2012. The reading obtained was .33% gas in air.</i> |   |                       |
| [192.625(e)]   | Was the Odorization equipment and tank levels inspected?  | <b>Not Applicable</b> |
| <b>General Comment:</b>  |   |                       |
| <i>The Ameren Hillsboro location does not contain an odorizer within their territory. The Hillsboro storage field inspection unit maintains the odorizers.</i>                                       |   |                       |
| [192.625(f)]   | Was the operator's equipment calibrated as required?  | <b>Satisfactory</b>   |
| <b>General Comment:</b>  |   |                       |
| <i>An odorant reading was obtained at 1915 Old Business Line Rd. utilizing a Heath Odorator Serial # 2000913008 with a calibration date of 12-12-2012. The reading obtained was .33% gas in air.</i> |   |                       |
| <b>TRANSMISSION</b>  |   | <b>Status</b>         |
| <b>Category Comment:</b>   |   |                       |
| <i>Staff did not inspect transmission valves or pre-tested inventory maintained for emergency use.</i>   |   |                       |
| [192.179(b)(1)]  | Are transmission valves protected from tampering or damage?   | <b>Not Checked</b>    |
| [192.745(a)]   | Were the valves inspected accessible?   | <b>Not Checked</b>    |
| [192.719(a)]   | Is pre-tested transmission pipe inventory maintained for use in an emergency?   | <b>Not Checked</b>    |

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| <b>MARKING OF MATERIAL</b>   |  | <b>Status</b>      |
|--|--|--------------------|
| [192.63(a)]  | Does the operator's components and pipe contain the required markings? | <b>Not Checked</b> |
| <b><u>General Comment:</u></b><br><i>Staff did not inspect the operator's inventory for marking of material.</i> |  |                    |
| <b>OPERATOR QUALIFICATION</b>  |  | <b>Status</b>      |
| Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?                             |  | <b>No</b>          |

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