

STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE 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.

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| Operator: AMEREN ILLINOIS COMPANY | Operator ID#: 32513 |
| Inspection Date(s): 3/19/2014 | Man Days: 1 |
| Inspection Unit: Hillsboro Storage | |
| Location of Audit: Hillsboro | |
| Exit Meeting Contact: Michael Kershaw | |
| Inspection Type: Standard Inspection - Record Audit | |
| Pipeline Safety Representative(s): Charles Gribbins | |
| Company Representative to Receive Report: Michael Fuller | |
| Company Representative's Email Address: mfuller2@ameren.com | |

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| 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. |
| Michael Kershaw | Supervisor Gas Storage | |
| Robert Roth | Senior Quality Assurance Consultant | |

| Gas System Operations | Status |
|---|-------------|
| Gas Transporter | Ameren |
| Miles of Main | Not Checked |
| <u>General Comment:</u> <i>Miles of main will be reviewed when the 2013 transmission annual report is received. The due date was revised to March 15, 2014.</i> | |
| Confirm Operator's Potential Impact Radius Calculations | Not Checked |
| <u>General Comment:</u> <i>PIR calculations were not reviewed during the audit. There are no HCA's at the Hillsboro Field and the PIR are maintained by Pipeline Integrity at the Decatur Engineering Office. The PIR's are reviewed during the Transmission Pipeline Integrity Audit that is conducted separately.</i> | |
| Annual Report (Form 7100.2.1) reviewed for the year: | Not Checked |

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| <u>General Comment:</u> | | |
| <i>Staff is in the process of reviewing the annual report for the transmission system.</i> | | |
| Regulatory Reporting Records | | Status |
| [191.5] | Were Telephonic Notices of Incidents reported to the NRC (800-424-8802)? | Not Applicable |
| <u>General Comment:</u> | | |
| <i>There were no reportable incidents at the Hillsboro Storage Facility in 2013.</i> | | |
| [191.15(a)] | Was a DOT Incident Report Form F7100.2 submitted within 30 days after detection of an incident? | Not Applicable |
| <u>General Comment:</u> | | |
| <i>There were no reportable incidents at the Hillsboro Storage Facility in 2013.</i> | | |
| [191.15(b)] | Were there any supplemental incident reports when deemed necessary? | Not Applicable |
| <u>General Comment:</u> | | |
| <i>No supplemental reports were required due to no reportable incidents occurring at the Hillsboro Storage Facility in 2013.</i> | | |
| [191.23(a)] | Did the operator report Safety Related Conditions? | Not Applicable |
| <u>General Comment:</u> | | |
| <i>No Safety related condition reports were required in 2013.</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? | Not Applicable |
| <u>General Comment:</u> | | |
| <i>No safety related condition reports were required to be filed in 2013.</i> | | |
| [192.16(c)] | Customer Notification: Has the operator notified each customer after the customer first receives gas at a particular location? | Not Applicable |
| <u>General Comment:</u> | | |
| <i>The storage field supplies no customers directly. Customer notification is not applicable.</i> | | |
| DRUG TESTING | | Status |
| Refer to Drug and Alcohol Inspection Forms and Protocols | | Not Checked |
| <u>General Comment:</u> | | |
| <i>The drug and alcohol plan was not reviewed during this audit. The plan was reviewed in 2012 at Ameren's Corporate Headquarters in St. Louis. Staff confirmed the posting of the EAP number and Company Policy for the Misuse of Drugs or Alcohol at the Hillsboro Storage Facility.</i> | | |
| TEST REQUIREMENTS | | Status |

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| [192.517(a)][192.505,192.507,192.509,192.511(c)] | Are pressure test records being maintained for piping operating above 100 psig? | Satisfactory |
| General Comment: <i>Staff reviewed pressure test records and pressure charts.</i> | | |
| [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? | Not Applicable |
| General Comment: <i>No piping was installed or replaced in 2013 that operates at or under 60 psig.</i> | | |
| UPRATING | | Status |
| Category Comment: <i>No uprating was performed at Hillsboro Storage in 2013.</i> | | |
| [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? | Not Applicable |
| [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? | Not Applicable |
| OPERATIONS | | Status |
| [192.603(b)][192.605(a)] | Has the operator conducted a review of the Operations and Maintenance Manual once per yr/15 months? | Satisfactory |
| General Comment: <i>The O&M Manual was reviewed as required in 2013</i> | | |
| Has the operator conducted a review of the Operator Qualification Plan once per yr/15 months? | | Not Checked |
| General Comment: <i>The OQ plan is maintained by the Ameren Training Center located at Pawnee, Illinois and was reviewed during a separate audit.</i> | | |
| [192.603(b)][192.605(b)(3)] | Are construction records, maps, and operating history available to operating personnel? | Satisfactory |
| General Comment: <i>Records, maps and operating history is available to the operating personnel utilizing paper maps, electronic records and can be retained from engineering if they are not maintained in the Storage Field Office.</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? | Satisfactory |
| General Comment: <i>Ameren performs Quality Assessments on storage field personnel on an annual basis. No procedure revisions were required due to the findings of these audits.</i> | | |
| [192.603(b)][192.605(c)(1)(i)] | Does the operator maintain documentation for responding | Satisfactory |

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| | to, investigating, and correcting the cause of unintended closure of valves or shutdowns? | |
| General Comment: | | |
| <i>Review of abnormal operations log sheets for 2013 that several valve had closed an investigation was conducted and corrected as required.</i> | | |
| [192.603(b)][192.605(c)(1)(ii)] | Does the operator maintain documentation for responding to, investigating, and correcting the cause of increase or decrease in pressure or flow rate outside normal operating limits? | Satisfactory |
| General Comment: | | |
| <i>Flow rate changes identified by Gas Control were responded to by field personnel in a timely manner and corrective actions were taken as were well documented. Most were due to compressor shutdowns due to power loss due to weather.</i> | | |
| [192.603(b)][192.605(c)(1)(iii)] | Does the operator maintain documentation for responding to, investigating, and correcting the cause of loss of communications? | Satisfactory |
| General Comment: | | |
| <i>Log sheets reviewed indicate that several losses of communications were reported and responded to nothing found to have caused their problem.</i> | | |
| [192.603(b)][192.605(c)(1)(iv)] | Does the operator maintain documentation for responding to, investigating, and correcting the cause of operation of any safety device? | Satisfactory |
| General Comment: | | |
| <i>Review of Abnormal Operation Station logs determined adequate responses were made when reports of alarms were received from Gas Control.</i> | | |
| [192.603(b)][192.605(c)(1)(v)] | Does the operator maintain documentation for responding to, investigating, and correcting the cause of any other foreseeable malfunction of a component, deviation from normal operation, or personnel error which may result in a hazard to persons or property? | Satisfactory |
| General Comment: | | |
| <i>Review of Abnormal Operation reported in the station logs determined that adequate actions were taken to correct notices due to abnormal conditions or alarms received by Gas Control in 2013.</i> | | |
| [192.603(b)][192.605(c)(2)] | Does the operator maintain documentation of checking variations from normal operation after abnormal operation has ended at sufficient critical locations in the system to determine continued integrity and safe operation? | Satisfactory |
| General Comment: | | |
| <i>Review of corrective actions documented in the station logs determined that sufficient investigations were performed along with follow ups to ensure the condition was corrected.</i> | | |
| [192.603(b)][192.605(c)(3)] | Does the operator maintain documentation of notifying responsible operator personnel when notice of an abnormal operation is received? | Satisfactory |
| General Comment: | | |

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| <i>Review of Station logs indicate responsible personnel were notified when a notice of abnormal operation is observed by Gas Control or station personnel.</i> | | |
| [192.603(b)][192.605(c)(4)] | Does the operator maintain documentation for periodically reviewing the response of operator personnel to determine the effectiveness of the procedures controlling abnormal operation and taking corrective action where deficiencies are found? | Satisfactory |
| <u>General Comment:</u> | | |
| <i>Ameren's Quality Assurance consultants perform inspections on the Ameren personnel to ensure the procedures used when taking corrective action are satisfactory.</i> | | |
| [192.603(b)][192.619,192.621,192.623] | Is the operator maintaining documentation verifying their Maximum Allowable Operating Pressure(s)? (MAOP) | Satisfactory |
| <u>General Comment:</u> | | |
| <i>MAOP of the station is 850 on Suction Side 1450 on plant discharge side and 960 between the withdrawal regulators and withdrawal flow control valves. The station is designed with compression during injection and free flow during withdraw.</i> | | |
| CONTINUING SURVEILLANCE RECORDS | | Status |
| [192.709(c)][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? | Satisfactory |
| <u>General Comment:</u> | | |
| <i>This information to be reviewed at a later date at the Decatur Plaza.</i> | | |
| CLASS LOCATION CHANGE | | Status |
| [192.709(c)][192.609] | Does the operator maintain documentation when the class location changes for a segment of pipe operating at a hoop stress that is more than 40% SMYS? | Satisfactory |
| <u>General Comment:</u> | | |
| <i>These records are retained by Pipeline Integrity located at the Decatur Plaza complex in Decatur, Illinois. The records to be reviewed at a later date.</i> | | |
| QUALIFICATION OF PIPELINE PERSONNEL | | Status |
| Refer to operator Qualification Inspection Forms and Protocols | | Not Checked |
| <u>General Comment:</u> | | |
| <i>Staff did not review the Operator Qualification plan during the audit. The plan is maintained and is reviewed at the Ameren Training Center during a separate audit. Staff did review the current qualifications of the station personnel and determined their current qualifications are good until December 2016 and 2017</i> | | |
| DAMAGE PREVENTION RECORDS | | Status |
| <u>Category Comment:</u> | | |
| <i>Locates for the storage field are performed by contract locators and these records are maintained by the Damage Prevention Office located in Belleville, Illinois. These records were reviewed during a separate audit conducted at Pawnee Training Center earlier this year.</i> | | |
| [192.709(c)][191.17(a)] | Did the operator track the number of damages per 1000 locate requests for the previous years? | Not Checked |

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| Has the number of damages increased or decreased from prior year? | | Not Checked |
| [192.709(c)][192.617] | Does the operator track records of accidents due to excavation damage to ensure causes of failures are addressed to minimize the recurrence? | Not Checked |
| [192.709(c)][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? | Not Checked |
| Does the operator have a Quality Assurance Program in place for monitoring the locating and marking of facilities? | | Not Checked |
| Do pipeline operators include performance measures in facility locating contracts? | | Not Checked |
| [IL ADM. CO.265.100(b)(1)] | Was third party damage to mains involving a release of gas reported to ICC JULIE Enforcement? http://www.icc.illinois.gov/julie/ | Not Checked |
| Has the Operator adopted applicable section of the Common Ground Alliance Best Practices? | | Not Checked |
| If no, were Common Ground Alliance Best Practices discussed with Operator? | | Not Checked |
| EMERGENCY PLANS | | Status |
| [192.603(b)][192.615(b)(1)] | Are supervisors, responsible for emergency action, furnished copies of the latest edition of the Emergency Plan? | Satisfactory |
| General Comment: <i>The supervisor and storage personnel have access to a current emergency plan at the Storage Facility. The current version of the emergency plan and O&M is also available on the Ameren Intranet.</i> | | |
| [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? | Satisfactory |
| General Comment: <i>Training on the emergency plan was provided for the station employees in 2013.</i> | | |
| [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? | Not Applicable |
| General Comment: <i>The operator did not experience any emergencies in 2013.</i> | | |
| [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? | Satisfactory |
| General Comment: <i>This periodic contact should include, at a minimum, an annual mailing and a face-to-face visit once every three (3) years. September 2013.</i> | | |

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| [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? | Not Applicable |
| General Comment: | | |
| <i>Leak complaint called into the Hillsboro OC and if any would be related to the storage field the storage field employees would be called to assist in the leak investigation.</i> | | |
| [192.603(b)][192.615(a)(11)] | Has the operator maintained documentation of actions that were required to be taken by a controller during and emergency? | Not Applicable |
| General Comment: | | |
| <i>The Hillsboro Storage Field has not experienced any emergencies.</i> | | |
| PUBLIC AWARENESS PROGRAM - RECORDS | | Status |
| Refer to Public Awareness Program Inspection Forms and Protocols | | Not Checked |
| General Comment: | | |
| <i>The public awareness plan was not reviewed during this audit. The public awareness plan was previously reviewed in 2013 at the Pawnee Training Center.</i> | | |
| ODORIZATION OF GAS | | Status |
| [192.709(c)][192.625(f)] | Where required, has the operator maintained documentation of odorant concentration level testing? | Satisfactory |
| General Comment: | | |
| <i>Odorant concentration tests are performed by Local Service Areas and the results of these tests are maintained and reviewed at those locations. Staff reviewed odorant tank levels and injection rates for the odorizer at the Hillsboro storage facility for 2013 and observed no issues.</i> | | |
| [192.709(c)][192.625(e)] | Where required, has the operator maintained documentation of odorizer tank levels? | Satisfactory |
| General Comment: | | |
| <i>Staff reviewed the tank level measurements maintained for 2013. No issues were identified during the review.</i> | | |
| PATROLLING & LEAKAGE SURVEY | | Status |
| [192.709(c)][192.705] | Does the operator maintain documentation of a patrol program as required? | Satisfactory |
| General Comment: | | |
| <i>Review of the patrol documentation for 2013 determined that the storage field is located in a class one location and the patrol is performed in conjunction with the leak survey conducted once annually. There are piping crossings at highway's or Railroads.</i> | | |
| [192.709(c)][192.706] | Does the operator maintain documentation of leakage survey(s) performed on a transmission pipeline? | Satisfactory |
| General Comment: | | |

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Review of the Hillsboro storage facility and compressor station leak survey documentation for 2013 determined the leak survey was performed annually on the storage field and compressor station piping as required by Ameren and Part 192 requirements.

| ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES | | Status |
|---|---|---------------------|
| [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? | Satisfactory |

General Comment:

Review of the work packet completed for Hillsboro Storage determined that wells taken out of service were purged prior to removing the segment of piping downstream of the well that was reconfigured.

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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? | Satisfactory |
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General Comment:

The operator replaced existing piping with new pipe and took the old pipe out and removed it.

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| [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? | Satisfactory |
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General Comment:

Review of the work packet determined a purge procedures was written and utilized during the work for taking the well out and placing the well back in service.

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| [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? | Not Applicable |
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General Comment:

There is no piping in the Hillsboro Storage System that crosses a commercially navigable river or waterway.

| COMPRESSOR STATION | | Status |
|---------------------------|--|---------------------|
| [192.709(c)][192.731(a)] | Has the operator maintained documentation of the compressor station relief devices at a minimum of 1 per year/15 months? | Satisfactory |

General Comment:

Reliefs on the compressor discharge header were tested as required and were completed within the allowable interval of once each calendar year not to exceed 15 months in 2013.

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| [192.709(c)][192.731(c)] | Has the operator maintained documentation compressor station emergency shutdown at a minimum of 1 per year/15 months? | Satisfactory |
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General Comment:

Review of the ESD system testing for in 2013 determined the system operated properly and Gas Control received the required alarm notifications.

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| [192.709(c)][192.736(c)] | Has the operator maintained documentation of the compressor stations – detection and alarms? | Satisfactory |
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| General Comment: | | |
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| <i>Review of the Gas detection alarm system tests determined the system operated properly and Gas Control received the required alarm notifications. The system was tested twice annually in 2013.</i> | | |
| PRESSURE LIMITING AND REGULATION | | Status |
| [192.709(c)][192.739(a)] | Is the operator inspecting and testing the pressure limiting and regulating stations at a minimum of 1 per year/15 months? | Satisfactory |
| General Comment: | | |
| <i>The ball valve regulators utilized in the withdraw station were inspected and set to operate at the correct pressure in 2013. Monitor regulators are utilized for overpressure protection and were inspected as required.</i> | | |
| [192.709(c)][192.743(a)] | Is the operator inspecting pressure limiting and regulating stations for adequate capacity at a minimum of 1 per year/15 months? | Satisfactory |
| [192.709(c)][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? | Satisfactory |
| General Comment: | | |
| <i>The regulator runs utilize monitor regulators. Reliefs on the separators are utilized as overpressure protection but have automated shut off switches to prevent the vessels from reaching the relief set points.</i> | | |
| [192.709(c)][192.743(a), 192.743(b), 192.195(b)(2)] | Is overpressure protection provided by the supplier pipeline downstream of the take point? | Not Applicable |
| General Comment: | | |
| <i>The Hillsboro storage field has a higher maop than the Ameren transmission system that supplies the storage field.</i> | | |
| [192.709(c)][192.743(a)] | If Yes, does the operator have documentation to verify that these devices have adequate capacity? | Not Applicable |
| General Comment: | | |
| <i>The Hillsboro storage field has a higher maop than the Ameren transmission system that supplies the storage field.</i> | | |
| VALVE MAINTENANCE | | Status |
| [192.709(c)][192.745(a), 192.745(b)] | Did the operator inspect and partially operate transmission valves that might be required during any emergency at a minimum of 1 per year/15 months? | Satisfactory |
| General Comment: | | |
| <i>The emergency valves located in the Hillsboro Storage facility were inspected as required in 2013.</i> | | |
| [192.709(c)][192.749] | Did the operator inspect and maintain vaults > 200 cubic feet at a minimum of 1 per year/15 months? | Not Applicable |
| General Comment: | | |
| <i>There are no vaults in the Hillsboro Storage system meeting these requirements.</i> | | |
| Investigation Of Failures | | Status |

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| [192.709(c)][192.617] | Did the operator experience accidents or failures requiring analysis? | Not Applicable |
| General Comment: <i>There were no accidents or failures in the Hillsboro Storage field that required analysis in 2013.</i> | | |
| WELDING OF STEEL PIPE | | Status |
| [192.603(b)][192.225(b)] | Does the operator have documentation for their qualified welding procedure? | Satisfactory |
| General Comment: <i>Ameren has qualified welding procedures that are documented in the O&M and welding manual.</i> | | |
| [192.603(b)][192.227,192.229] | Does the operator have documentation of welder qualification documentation as required? | Satisfactory |
| General Comment: <i>Review of the work packets determined that the welders who worked on the replacements and piping revisions were currently qualified for welding.</i> | | |
| [192.709][192.243(b)(2)] | Does the operator have documentation of NDT personnel qualification as required? | Satisfactory |
| General Comment: <i>Review of the work packets completed in 2013 determined that the personnel who performed the NDT testing were qualified.</i> | | |
| [192.709][192.243(f)] | Does the operator have documentation of NDT testing performed? | Satisfactory |
| General Comment: <i>Review of work packets determined NDT testing was conducted on the welds completed during piping replacements or revisions performed in 2013.</i> | | |
| CORROSION CONTROL RECORDS | | Status |
| [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 | Satisfactory |
| General Comment: <i>Staff established that Hillsboro Storage has current maps of the storage field and the cathodically protected piping.</i> | | |
| [192.491][192.459] | Has the operator maintained documentation of examination when buried pipe was exposed? | Satisfactory |
| General Comment: <i>Staff's review of the completed work packets for Hillsboro Storage, determined the piping exposed during the replacement work was inspected and documented as required.</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 | Satisfactory |

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| | main less than 100 feet at a minimum of 10% annually? | |
| General Comment: | | |
| <i>Staff reviewed Hillsboro Gas Storage Field Plant and Well CP Readings-Pipe to Soil readings. There are not any isolated sections of main in the storage field.</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? | Satisfactory |
| General Comment: | | |
| <i>Staff reviewed the Rectifier Inspection Report for the Hillsboro Storage Field and did not note any deficiencies.</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? | Not Applicable |
| General Comment: | | |
| <i>The Hillsboro Storage does not have any bonds or interference bonds on the transmission system.</i> | | |
| [192.491][192.465(d)] | Has the operator taken prompt remedial actions to correct any deficiencies indicated by the monitoring? | Not Applicable |
| General Comment: | | |
| <i>The operator did not have any reading below the -.85 volts that needed corrective action.</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? | Not Applicable |
| General Comment: | | |
| <i>There is no unprotected piping located in the Hillsboro Storage Field.</i> | | |
| [192.491][192.467(a),192.467(c),192.467(d)] | Has the operator maintained documentation of inspections or tests for electrical isolation including casings? | Not Applicable |
| General Comment: | | |
| <i>There are no casings in the Hillsboro storage field.</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? | Satisfactory |
| General Comment: | | |
| <i>The storage field has approximately 99 test point on the system.</i> | | |
| [192.491][192.471] | Has the operator maintained documentation of corrective actions taken when a test lead is no longer electrically conductive? | Not Applicable |
| General Comment: | | |

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| <i>The operator has not reported any problems with test leads on the system.</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? | Not Applicable |
| <u>General Comment:</u> <i>The operator does not have any underground metallic structures in the storage field.</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? | Satisfactory |
| <u>General Comment:</u> <i>The operator is treating using biocides to aid in preventing internal corrosion.</i> | | |
| [192.491][192.475(b)] | Has the operator maintained documentation of internal surface inspections performed when pipe is removed for any reason? | Satisfactory |
| <u>General Comment:</u> <i>Piping inspections for internal corrosion were conducted when piping was removed. No indications of internal corrosion were reported in 2013 the information was taken from the Buried Pipe Examination Report.</i> | | |
| [192.491] | Has the operator maintained documentation of written procedures supported by as-built drawings or other construction records? | Satisfactory |
| <u>General Comment:</u> <i>Review of completed work packets for 2013 indicates written procedures were utilized and the packets included copies of as-built drawings and other construction records such as daily progress sheets and material lists and associated documentation.</i> | | |
| [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? | Satisfactory |
| <u>General Comment:</u> <i>Staff reviewed the internal corrosion coupon monitoring form and noted the time frame for inspection.</i> | | |
| [192.491][192.479] | Has the operator maintained documentation of corrective action where atmospheric corrosion was discovered? | Satisfactory |
| <u>General Comment:</u> <i>The operator conducts the AC at the same time at the leak survey and no corrective action was required.</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? | Satisfactory |
| <u>General Comment:</u> <i>Atmospheric corrosion inspections were performed on the storage field during patrolling and leakage surveys.</i> | | |
| [192.491][192.483(a),192.483(b),192.483(c)] | Has the operator maintained documentation | Not Applicable |

STANDARD INSPECTION REPORT OF A GAS TRANSMISSION PIPELINE 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.

| | | |
|---|---|-----------------------|
| | demonstrating that pipe removed due to external corrosion has been repaired or replaced with pipe that was coated and cathodically protected? | |
| General Comment: | | |
| <i>Review of completed work packets for 2013 indicates when piping was replaced at the Hillsboro Storage Field it was replaced with coated and wrapped steel piping and has cathodic protection being applied.</i> | | |
| TRAINING - 83 IL ADM. CODE 520 | | Status |
| [520.10(a) (1)] | Has the operator maintained documentation demonstrating that personnel have received adequate training? | Satisfactory |
| General Comment: | | |
| <i>Staff's review of the employee's qualifications who are currently working at the Hillsboro Storage facility indicates they have received the necessary training and retain current operator qualification status</i> | | |
| [520.10(a) (2)] | Do training records include verbal instruction and/or on the job training for each job classification? | Satisfactory |
| [520.10(b)] | Has the municipal operator maintained documentation demonstrating that personnel have received adequate training? | Not Applicable |
| General Comment: | | |
| <i>The municipal training requirements do not apply to this operator.</i> | | |
| [520.10(a)(5)] | Are procedures periodically updated to include new materials, new methods of operation and installation, and changes in general procedures? | Satisfactory |
| General Comment: | | |
| <i>Staff reviewed documentation indicating the Hillsboro employees received training on the O&M and Emergency Plan revisions in 2013.</i> | | |

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