AMBIENT AIR MONITORING DATA REPORT
(REVISED)

TAYLORVILLE MGP
TAYLORVILLE, ILLINOIS

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CEC Project 101-275

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EXECUTIVE SUMMARY

This report is intended to summarize the results of the ambient air monitoring conducted during remedial activities at the Taylorville MGP Site. The remedial activities involved a series of subsurface chemical injections designed to treat impacted soil. The injections occurred from 2010 to 2012 and included the following events:

- August 19, 2010 through September 11, 2010
- November 10, 2010 through November 18, 2010
- March 16, 2011 through March 23, 2011
- September 27, 2011 through October 6, 2011
- December 6, 2011 through December 15, 2011
- February 2, 2012 to March 7, 2012

The report includes the procedures and results associated with the air-monitoring program, and does not address the remedial activities that occurred on the Site.

The Ambient Air Monitoring Plan (AAMP) was developed as part of the remedial action plan for the Taylorville MGP Site. The primary goal of the AAMP was to monitor and document air quality at the Site perimeter during the remedial action. In developing the AAMP, an important step was to develop short-term air concentration action levels to minimize impacts to local air quality. In the AAMP, short-term air concentration action levels were specifically established for benzene, naphthalene and PM_{10} based on their potential to impact local air quality during the remedial action. The evaluation of real-time monitoring results during the remedial action for volatile organic compounds (VOCs), benzene, and PM_{10}, was conducted to evaluate short-term (daily) exposures. Time-integrated sampling was conducted to provide data for evaluation of long-term impacts to local air quality.

The short-term action levels for this project were developed to establish short-term exposure limits for site workers and provide the remediation contractor with real-time indications of air quality impacts that may contribute to long-term exposures to site workers or the local populace.

The real-time and time-integrated data were used to evaluate the air quality along the perimeter of the site during the remedial activities. The results of the daily real-time air monitoring are presented in Appendix A. The time-integrated data for benzene, naphthalene and PM_{10} indicated that the average concentration for the duration of the remedial activities was below the PAAQS. The complete data summaries for the time-integrated monitoring stations are included in Table 3 of this report.

Based upon the results of the time-integrated sampling data collected during the remedial action, the measured air quality concentrations of benzene, naphthalene and PM_{10} were below risk-based action levels established for this project.

1.0 INTRODUCTION

1.1 PROJECT DESCRIPTION

This Ambient Air Monitoring Data Report (Report) was prepared for Ameren for the Taylorville manufactured gas plant (MGP) remedial action. The former MGP was constructed in 1892 by the Taylorville Gas and Electric Company. Carbureted water gas was produced at the site. The gas plant operated for approximately 40 years before closing in 1932. Most of the above ground structures were removed and the subsurface structures were filled and left in place

In 1987, most of the below grade structures and contamination in unsaturated soil were removed. Approximately 9,000 cubic yards (yd3) of MGP-impacted soil was excavated to an average depth of 10-feet across a large portion of the site. Approximately 3 feet of sediment was removed from a drainage ditch south of the site. In 1995, a groundwater pump and treat system began operation. The system pumps approximately 125 gallons per minute from two groundwater extraction wells, filters the water through three bag filters and two activated carbon adsorption units before discharging to the Seaman Estate Pond. (Barr, 2004). Remaining contamination was investigated in 2002. Two impacted areas were found, a fuel oil area and a MGP residual (light coal tar) area with an average depth of 25 to 40 feet bgs, with a few minor lenses of fuel oil residual to a depth of 60 feet bgs. The contaminated fuel oil area is along the northern half of the site, and contains approximately 9,400 yd^3. The MGP residual contaminated area is along the eastern edge of the former gas holder and contains approximately 3,100 yd^3. Groundwater contamination remains near the groundwater pump and treat system extraction wells.

The primary objective of the remedial action was to reduce the mass of contamination in the fuel oil and MGP-residual areas using in-situ chemical oxidation. The goal was to reduce the contaminant mass to a level that will meet the groundwater cleanup objectives for the site.

The proposed remedial action activities planned for the site were to inject Catalyzed Hydrogen Peroxide (CHP) into the treatment area. The reagent was injected into injection points in the area east of the east extraction well.

Civil & Environmental Consultants, Inc. (CEC) of St. Louis, Missouri was contracted by Ameren Services (Ameren) to prepare an Ambient Air Monitoring Plan (AAMP) and to conduct perimeter air monitoring during the remedial action in accordance with the approved AAMP. The AAMP was prepared separately from the site personnel health and safety monitoring plans. The primary purpose of the AAMP was to monitor air quality at the Site perimeter and document the impact, if any, to the local air quality for the surrounding community while the remedial action was performed. The report is intended to summarize the results of the real-time and time-integrated air monitoring conducted during the injection activities that occurred during the following time periods:

- August 19, 2010 through September 11, 2010
- November 10, 2010 through November 18, 2010
- March 16, 2011 through March 23, 2011
- September 27, 2011 through October 6, 2011
- December 6, 2011 through December 15, 2011
- February 2, 2012 to March 7, 2012

2.0 BACKGROUND

2.1 SITE DESCRIPTION

The MGP Site is located in Taylorville, Illinois at 917 South Webster Street and is shown in Figure 1. The site is fenced to prevent public access. A groundwater pump and treat system is located on the site. The site is bordered to the north by private residences; to the east by South Webster Street and Manners Park; to the south by wooded property owned by Ameren and the Seaman Estate Subdivision and the Seaman Estate Pond; and to the west by railroad tracks. (Barr, 2004)

2.2 TARGET COMPOUNDS AND AIR QUALITY GOALS

In accordance with the AAMP prepared for this project by CEC, a combination of real-time and time-integrated ambient air monitoring was conducted during the remedial activities. The primary purpose of the AAMP was to establish and document procedures to monitor air quality at the Site perimeter while the remedial action was performed.

Real-time monitoring during the remedial action for volatile organic compounds (VOCs), benzene, and respirable particulates with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), was conducted, and the results were used to evaluate short-term (daily) exposures and allow for abatement measures to occur in a timely manner. The time-integrated sampling was conducted to measure levels of Site target compounds in the ambient air, including benzene, ethylbenzene, toluene, xylene and naphthalene. Time-integrated sampling data was used to evaluate short-term exposure to air concentrations that potentially may have occurred during the remedial action.

2.3 AIR MONITORING PROGRAM

The following subsections describe meteorological monitoring, real-time monitoring, the time-integrated sampling program, sampling locations, background monitoring, air monitoring record keeping, and data evaluation procedures.

2.3.1 Meteorological Station

A real-time meteorological station was used to measure and record ambient temperature, relative humidity, barometric pressure, wind direction, wind speed, and precipitation. The meteorological station was connected to a data acquisition system (DAQS), which recorded these meteorological parameters every 10 seconds and stored the average values for the various parameters at 15-minute intervals.

The integration of the meteorological data with the air monitoring data, specifically wind direction, facilitated the comparison of background and downwind real-time air monitoring results in order to identify potential Site sources of air emissions.

The meteorological station was located at the Site as shown in Figure 1. This location had fewer obstructions to affect meteorological measurements. Final determination of the meteorological station positioning within this area of the Site was made during project mobilization. The meteorological instruments were mounted on a 10-foot tripod such that measurements were made at approximately three meters above the ground surface.

2.3.2 Real-Time Monitoring

Real-time monitoring during the remedial action for VOCs, PM_{10}, and odor intensities was used to evaluate short-term (daily) exposures and allowed for abatement measures to occur in a timely manner. The real-time monitoring identified if air quality at the project perimeter was being affected by the remedial work and if emission abatement actions were necessary to reduce remedial action-related impacts to air quality levels. The real-time air monitoring field data collected using hand-held instrumentation is presented in Appendix A.

2.3.3 Time-Averaged Monitoring

Time-integrated sampling was conducted to measure levels of target compounds in the ambient air, including VOCs and naphthalene. Time-integrated sampling data were used to evaluate long-term exposure to air concentrations of benzene and naphthalene and compared against the PAAQS. The results of the time-integrated air monitoring are summarized in Table 3. The time-integrated field data are presented in Appendix B.

2.3.4 Sampling Network and Rationale

2.3.4.1 Meteorological Station

The meteorological station was placed on the ground surface on the Site approximately 10 feet off the ground. This location placed the meteorological sensors well above potential obstructions or interferences.

2.3.4.2 Real-Time Portable Monitoring

The real-time air monitoring was conducted using hand-held instrumentation. The hand-held instruments used for real-time air monitoring included a Rae Systems ppb Photo-ionization Detector (PID) for the detection of VOCs and a MIE Mini Ram dust monitor for the detection of PM_{10}. The real-time monitoring was conducted along the perimeter of the project site adjacent to the time-integrated sampling locations and at additional sampling locations as warranted based on the location of remedial activities. The field logs for real-time monitoring are included in Appendix A.

Odor intensity monitoring using a semi-quantitative odor monitoring technique (ASTM Method 544-99) was also conducted periodically at each AMS and at other locations as warranted during the remedial action. On an hourly basis, or in response to remedial activities during the workday, site perimeter odor monitoring was conducted to assess odor intensity. Monitoring

personnel notified the Site superintendent if a persistent odor intensity level of 4 was detected. Based upon currently available technical literature, a persistent odor intensity level of 4 would generally result in community complaints. The odor intensities documented during the remedial action are presented in the field logs.

2.3.4.3 Time-Integrated Air Monitoring

Sampling media types included regulated SUMMA® canisters to determine the presence, if any, of VOCs in accordance with USEPA Method TO-15. Additional VOC and naphthalene samples were collected using Radiello 130 passive type samplers. Air Toxics performed the analysis via GC/MS Application #48. Each tube was extracted with 2.0 ml of carbon disulfide and the extract was analyzed by GC/MS in the full scan mode.

The time-integrated ambient air monitors were placed along the perimeter of the project site. The stations were identified as AMS-1 thru AMS-4, and their locations are designated in Figure 1.

Four sampling stations were located around the site perimeter, labeled Air Monitoring Station 1 (AMS-1) through AMS-4. AMS-1D was collocated with station AMS-1 for duplicate sampling. Duplicate samples from AMS-1D were collected at a rate of once every week for the project duration. Air monitoring locations were established in the field based on site conditions, work areas and activities and historical meteorological conditions.

2.3.5 Air Sampling Timeline

Time-integrated sampling was performed using air sampling equipment appropriate for the quantitative measurement of VOCs. Time-integrated sampling was conducted throughout the remedial action when remedial activities were anticipated.

The real-time and time-integrated air monitoring was conducted during the injection activities that occurred during the following time periods:

- August 19, 2010 through September 11, 2010
- November 10, 2010 through November 18, 2010
- March 16, 2011 through March 23, 2011
- September 27, 2011 through October 6, 2011
- December 6, 2011 through December 15, 2011
- February 2, 2012 to March 7, 2012

3.0 SAMPLING AND ANALYTICAL PROCEDURES

To monitor potential emissions from the Site during the remedial action, real-time monitoring and time-integrated air monitoring were conducted at each AMS established for this project. The monitoring stations were located along the Site perimeter fence. Their approximate locations are shown in Figure 1. Four primary time-integrated air monitoring locations were selected and were placed to provide representative sample collection.

The monitors used in this program for the real-time monitoring network were selected to monitor VOCs and PM_{10} directly. The real-time PM_{10} monitoring was conducted using the Personal Data Ram. The Data Ram has a particle size range of 0.35 to 20 microns (um) and a concentration range from 1 to 10,000 micrograms per cubic meter (ug/m3).

The monitoring for total VOCs was conducted using a Rae Systems PID. The ppb Rae was calibrated with isobutylene in accordance with the manufacturer's guidance. The detection limit for total VOCs varied, but was estimated to be in the range of 10 parts per billion (ppb) depending upon operating conditions.

In order to evaluate air quality levels generated by Site activities, the monitoring network was coupled with the meteorological station to identify background (upwind) and downwind (potential Site contribution) locations. The wind direction was averaged by the system over 15-minute intervals. The calculation of Site-generated emissions was accomplished by the subtraction of background parameter measurements from the downwind parameter measurements. If the results of the calculation of Site-generated emissions indicated an exceedance of the ambient air action levels, the field technician conducting the real-time monitoring alerted Site management staff of the exceedance. Action level abatement options were implemented based on the concentration of the parameter and the action level prompted by that concentration.

3.1 SAMPLING PROCEDURE

The ambient air monitoring included monitoring of air quality and sampling for target compounds using both real-time monitoring instruments and time-integrated sampling equipment. Real-time air monitoring was used to compare downwind ambient conditions to background conditions. Any measured increases in the levels of monitored parameters from the downwind level to the background level were compared to the established ambient air action levels. When the wind speed was determined to be less than a sustained 5 mph (considered to be meteorologically stable), or the wind direction was variable, all monitoring results were directly compared to the action levels. The real-time identification of VOC and PM_{10} concentrations during the remedial action was used to evaluate short-term (daily) exposures and allowed for emission abatement measures to occur in a timely manner. Time-integrated sampling data was used to evaluate potential risks associated with long-term (project duration) exposure to air quality levels that may have occurred during the remedial action.

The following subsections describe meteorological monitoring, real-time monitoring, the time-integrated sampling program, sampling locations, background monitoring, air monitoring record keeping, and data evaluation procedures.

3.1.1 Meteorological Station

A real-time meteorological station was used to measure and record ambient temperature, relative humidity, barometric pressure, wind direction, and wind speed. The meteorological station was connected to a data acquisition system (DAQS), which recorded these meteorological parameters every 10 seconds and stored the average values for the various parameters at 15-minute intervals. The complete meteorological data collected during this project are presented in Appendix D.

The integration of the meteorological data with the air monitoring data, specifically wind direction, facilitated the comparison of background and downwind real-time air monitoring results in order to identify potential Site sources of air emissions.

3.1.2 Real-Time Monitoring

Real-time air monitoring was accomplished for VOCs and PM_{10} at four primary locations during the initial phase of the remediation. The real-time monitoring was conducted hourly during those days when remedial activities were planned at each of the real-time monitoring stations by CEC technicians using hand-held instrumentation. Additional detail concerning the real-time monitoring is presented in the following subsections.

The real-time field sampling equipment was calibrated daily and maintained in proper working condition according to the manufacturer's specifications and the Standard Operating Procedures (SOPs) presented in the AAMP.

3.1.3 Time-Integrated Stationary Monitoring

Time-integrated sampling was performed using air sampling equipment appropriate for the quantitative measurement of VOCs and naphthalene. Sampling was conducted once per week throughout the remedial action.

VOCs were sampled using sub-atmospheric sampling techniques or passive sampling media in accordance with EPA Method TO-15 (Determination of Volatile Organic Compounds in Ambient Air) as described in the Compendium of Methods for Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b). The TO-15 equipment included 6-liter stainless steel SUMMA® canisters and flow regulators and Radiello 130 passive samplers.

Sample collection and sample media change-out was conducted approximately every third day beginning with the AMS downwind of the Site perimeter. The AMS immediately downwind of the scheduled work area was changed first and the upwind AMS changed last.

Samples were packaged and shipped to the analytical laboratory. Samples recovered from the sampling equipment on weekends were preserved on site until the following business day when they were shipped to the laboratory.

The field sampling equipment was calibrated daily and maintained in proper working condition according to the manufacturer's specifications and the SOPs provided in the AAMP. The manufacturer's operating instructions/manuals for each sampling instrument was kept in the Site field office during the remedial action.

3.2 ANALYTICAL PROCEDURES

The analytical laboratory responsible for the analysis of the time-integrated samples was Air Toxics Laboratory. Air Toxics provided results for VOCs and naphthalene samples on a ten-business-day turnaround basis. The analytical sample results were used in calculating the air concentration for each compound.

Air samples collected at the Site were handled in accordance with the preservation and holding times specified by each respective method. All samples were handled under appropriate chain-of-custody (COC) procedures. The following subsections provide a brief description of the method of analysis.

4.0 EQUIPMENT CALIBRATION

4.1 REAL-TIME MONITORING EQUIPMENT CALIBRATION

4.1.1 Photo-ionization Detector and Mini-Ram

The PID was calibrated before use each morning using a 10-ppm isobutylene calibration gas. The calibration results were recorded onto a dedicated field log sheet for PID calibrations. The MIE MiniRam was also calibrated daily using a filtered air sample to zero it prior to each use. Results from the MiniRam calibrations were also recorded onto a daily field calibration log for the instrument.

4.2 TIME-INTEGRATED MONITORING EQUIPMENT

Calibrations for VOC sampling equipment were conducted as described below. Copies of the time-integrated monitoring equipment calibrations are presented in Appendix C of this report.

4.2.1 VOC Sampling Equipment Calibration

SUMMA® (VOC) sampling canisters were attached to a mass flow control regulator to regulate the flow of air into the canister over a 72- hour period. The SUMMA® canisters were 6-liter passivated cans, and do not require calibration. The flow regulators were calibrated using a flow meter and a test canister. The regulators were calibrated by attaching the regulator to the open end of the digital flow meter, and the opposite end of the flow meter to the passivated canister. The canister was then opened until air began to flow through the regulator into the canister. The targeted flow rate was between 1.3 and 1.5 ml/min. for the regulator. The regulator was calibrated to the appropriate rate of sample collection using an Allen wrench to tighten or loosen the internal flow controller that regulates flow. The calibration value, along with the date and regulator number, was then entered into an electronic field data sheet.

The Radiello 130 passive samplers require no flow controllers or calibration procedures.

5.0 SAMPLE RESULTS

5.1 OVERVIEW

Results of the time-integrated air samples were compared to the PAAQS running average air quality goals that were calculated prior to the beginning of the removal action. The initial assessment was made of chemical compounds at the Site with regard to the potential carcinogenic health risks these chemicals may pose as a result of air emissions during a removal action. The assessment presumed that persons (children and adults) who live, work, or visit areas near the Site during the removal action could potentially be exposed to site contaminants released as air emissions. The assessment considered the following:

- Exposure was assumed to occur at the perimeter of the Site.
- Exposure was assumed to occur for as much as 24 hours per day for the duration of the removal action.
- The duration of the exposure is associated with the actual number of days during which remedial activities were conducted. Since the remedial activities occurred over several years and the duration of each injection event was only a few days, the duration exposure was determined to be the sum of the days in which injection activities actually occurred. For the six injection events this was determined to be 60 days of total injections.
- Chemicals of interest for air exposure at MGP sites include benzene and naphthalene.
- PM_{10} as an indication of nuisance dust problems.

The benzene and naphthalene time-integrated air sampling results were compared to the risk-based air concentration calculated based on the project duration on a station-by-station basis. None of the stations exceeded the project running average risk-based project air concentrations for benzene or naphthalene. The project running average for PM_{10} was also compared on a station-by-station basis and none of the stations exceeded the PAAQS for PM_{10}.

5.2 REMEDIAL SAMPLING AIR MONITORING RESULTS

The following are the results of the air monitoring at the site during remediation activities. Complete results are contained in Table 3 of this report. The sample results of the remediation time-integrated air monitoring are summarized below. The project running average for those compounds, which PAAQS were developed, were below their respective revised PAAQS.

Average Remedial Air Concentrations
Stations AMS-1 thru AMS-3
Taylorville MGP Site

	PAAQS	AMS-1	AMS-2	AMS-3	AMS-4
Benzene (ug/m^3)	56.9	10.50	17.39	22.12	11.03
PM_{10} (ug/m^3)	150	<50	<50	<50	<50
Naphthalene (ug/m^3)	13.06	<0.645	<0.549	<0.739	<0.576

5.3 CONCLUSIONS

The results of the time-integrated ambient air monitoring conducted during the remedial action at the Taylorville MGP Site indicate that the PAAQS established for this project were not exceeded.

6.0 QUALITY ASSURANCE / QUALITY CONTROL

The overall quality assurance (QA) objective for the project was to develop and implement procedures that would provide reliable, defensible data that would meet the demands of the project. Standard operating procedures (SOPs) for sampling, chain-of-custody documentation, instrument calibration, laboratory analysis, reporting of data, and internal quality control (QC) are described in other sections of this report. The purpose of this section is to state the specifically-required QA objectives for accuracy, precision, completeness, and representativeness.

Environmental measurements have inherent limitations arising from equipment problems, procedural deviations, and changes in ambient conditions. Most environmental measurements are analyses made for extremely low concentrations of constituents, and are subject to chemical interferences, instrument limitations, and uncertainties that affect the accuracy of the determination. It is essential to reduce these variable factors so that the measurements accurately reflect the character of the sample collected.

Data gathered during the course of the remedial action were intended to meet the characteristics of accuracy, completeness and representativeness. These characteristics are described below.

6.1 ACCURACY

The accuracy is defined as the closeness of agreement between an observed value and an accepted reference value. The difference between the observed value and the reference value includes components of both systematic error (bias) and random error. The accuracy of the real-time and time-integrated sampling equipment is demonstrated through single-point and multi-point calibrations. The real-time air monitoring equipment was calibrated according to the procedures presented in Table 6 of the AAMP. Full calibration weekly and continuing calibration checks were performed at the beginning and end of each sampling day. Calibration checks were within the ±20% acceptance criteria established in the AAMP. The time-integrated sampling equipment utilized for this project did not require calibration. The pre- and post-flow rate checks conducted on the regulators used for the TO-15 sampling were conducted to verify that the regulator flow rate was between 1.3 and 1.5 ml/min. Prior to use, the flow rate was confirmed to be within these limits or corrective action was taken prior to placing the regulator in service.

The accuracy of the laboratory assesses the overall accuracy of their instruments and analytical methods (independent of sample or matrix effects) through the measurement of standards and materials of accepted reference value. Accuracy will vary from analysis to analysis because of individual sample and matrix effects. In an individual analysis, accuracy can be measured and expressed in terms of the recovery of surrogate compounds (organic analyses) or recovery of spiked compounds (inorganic analyses). This gives an indication of expected recovery for analytes tending to behave chemically like the spiked or surrogate compounds. During the data validation process discussed in detail in Section 7 of this report and in the Data Validation

Report presented in Appendix G, these criteria for the 10% of the samples validated were found to be within the acceptance criteria.

6.2 COMPLETENESS

A measure of the amount of valid data obtained from a measurement system compared to the amount expected to be obtained under correct normal conditions. Based on the actual number of valid samples collected, a corresponding completeness percentage was calculated for each time-integrated sampling method. The completeness percentages are presented in the following table.

Time-integrated Sampling Data Completeness Summary
Taylorville MGP Site

Air Monitoring Station	Sampling Method	Completeness Percentage	Completeness Objective
AMS-1	TO-15/Passive	100%	90%
AMS-2	TO-15/Passive	100%	90%
AMS-3	TO-15/Passive	100%	90%
AMS-4	TO-15/Passive	100%	90%

6.3 REPRESENTATIVENESS

Representativeness expresses the degree to which the data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, process condition, or an environmental condition. Representativeness is a qualitative parameter, which is dependent upon the proper design of the sampling program and the laboratory QC protocol.

The representativeness objectives were met through the application of and adherence to requirements set forth in the AAMP and QAPP for this project.

7.0 DATA REDUCTION AND VALIDATION PROCEDURES

The laboratory, under the direction of its supervisory staff and Quality Assurance Officer, performed analytical data reduction and verification of chemical analyses. These individuals were responsible for assessing data quality and advising of any data that may be "qualified" or unusable. The procedures utilized by the laboratory during this verification process are described in the laboratory's quality manual contained in the appendix of this report. Following verification, the analytical data packages were forwarded to CEC for validation.

The CEC Quality Assurance Officer (or designee) evaluated the data packages after they were received from the laboratory. Ten percent of the analytical data were completely validated in accordance with the procedures presented in the USEPA guidance documents referenced below. Procedures used to validate the data were derived from the USEPA "National Functional Guidelines for Organic Data Review", October 1999, and "National Functional Guidelines for Inorganic Data Review", February 1994. The following elements were evaluated during the validation process:

- Preparation/extraction holding times
- Analysis holding times
- Instrument performance check
- Initial calibration
- Continuing calibration
- Blanks
- System monitoring compounds (surrogates)
- ICP interference check samples and serial dilutions
- Sample duplicates
- Matrix spikes/matrix spike duplicates
- Laboratory control samples
- Internal standards

During the validation process, supplemental qualifiers were assigned to the data. These qualifiers and their definitions are as follows:

U – The analyte was analyzed for but was not detected above the reported sample quantitation limit. The data are usable.

J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. The data are usable.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. The data are usable.

None of the data validated for the time-integrated samples were rejected. Had the data been rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria, the data would have been unusable.

When the validation of each batch of data was completed, a report of findings in the form of a memo was generated and forwarded to the CEC project manager. Copies of these documents are included in Appendix F of this report.

8.0 INTERNAL QUALITY CONTROL CHECKS

8.1 AIR DATA QUALITY ASSURANCE AND CONTROL MEASURES

8.1.1 Field Data Quality Assurance and Control

8.1.1.1 Calibrations

Field data quality assurance measures included full equipment calibrations on all real-time air sampling equipment at the start of the project and daily as outlined in the AAMP.

Calibrations for SUMMA® canisters involved the calibration of the flow control regulators daily using a digital flow meter attached to an evacuated SUMMA® canister. The regulator flows were set to collect between 1.3 and 1.5ml/min to ensure that the 6- Liter canisters would collect an approximate volume of 5 to 5.5L in a 72-hour period.

8.1.1.2 Trip and Field Blanks

Trip and field blanks were collected and shipped from the Site and analyzed in the laboratory in accordance with the QAPP prepared for this project. Trip blank SUMMA® canisters were prepared and shipped to the laboratory for analysis with every 10 samples. Field data quality control measures implemented for PAH sampling included the collection of two polyurethane foam glass cartridges with quartz filters to be sent to the laboratory for analysis. One cartridge was included in each shipment to the laboratory as a trip blank, and one field blank was included for analysis with every 10 samples.

There were no detects above 0.5-2.0 ug (MDL) reported for the field blanks submitted for the VOC analysis on this project.

There were no detects above 1.0 ug (MDL) reported for the field and trip blanks submitted for the PAH analysis on this project.

8.1.2 Internal Quality Control Checks

SUMMA® canister pressures were monitored with each set of real-time air measurements that were taken. If a canister appeared to have an air intake rate above 1.5 ml/min, corrective action was taken. This usually consisted of tightening the seals on the canister to prevent leaking, and if the rate remained above 1.5 ml/min, the canister was collected, with the collection time noted. Additionally, field quality control checks were applied as discussed above in Section 2.

8.1.3 Performance and System Audits

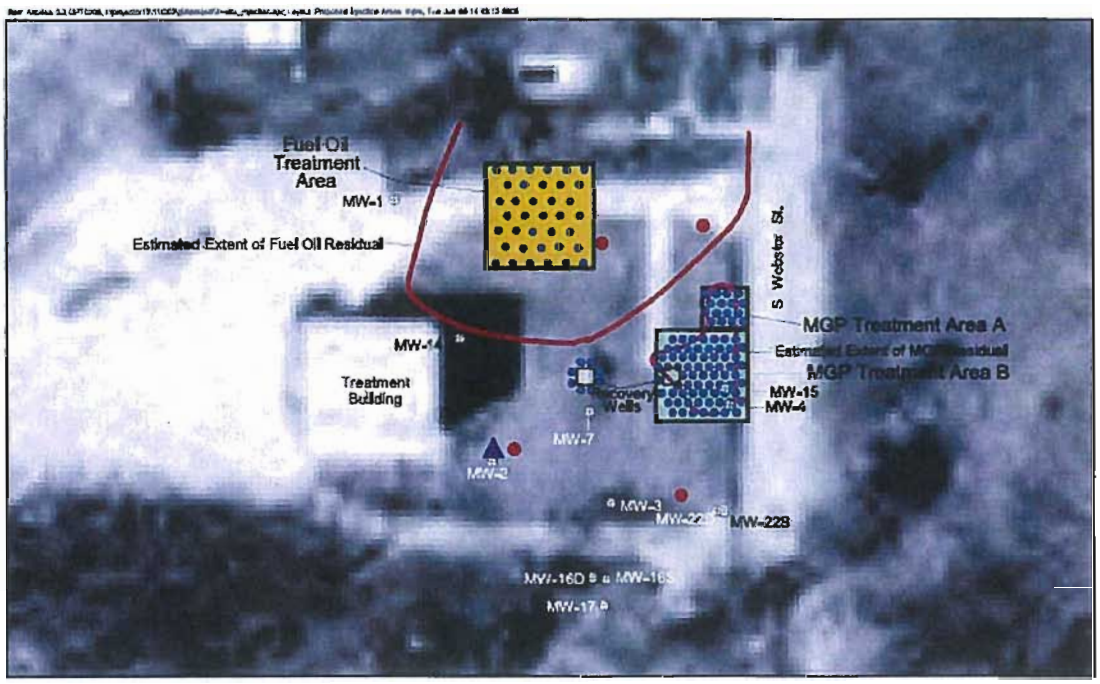
There were no performance or system audits performed on this project by the United States Environmental Protection Agency (USEPA) or their representatives.

8.1.4 Corrective Actions

None identified.

FIGURES

Figure 1
Ambient Air Monitoring Stations
Taylorville MGP Site



LEGEND

- Proposed Injection Points
- Fuel Oil Treatment Area
- MGP Treatment Area
- Monitoring Well
- ▲ Met Station
- Air Monitoring Station

30 0 30 60 90 120 Feet

10 0 10 20 30 Meters

FIGURE 2
Benzene Running Averages
Taylorville MGP Site
8/19/2010 - 3/7/2012

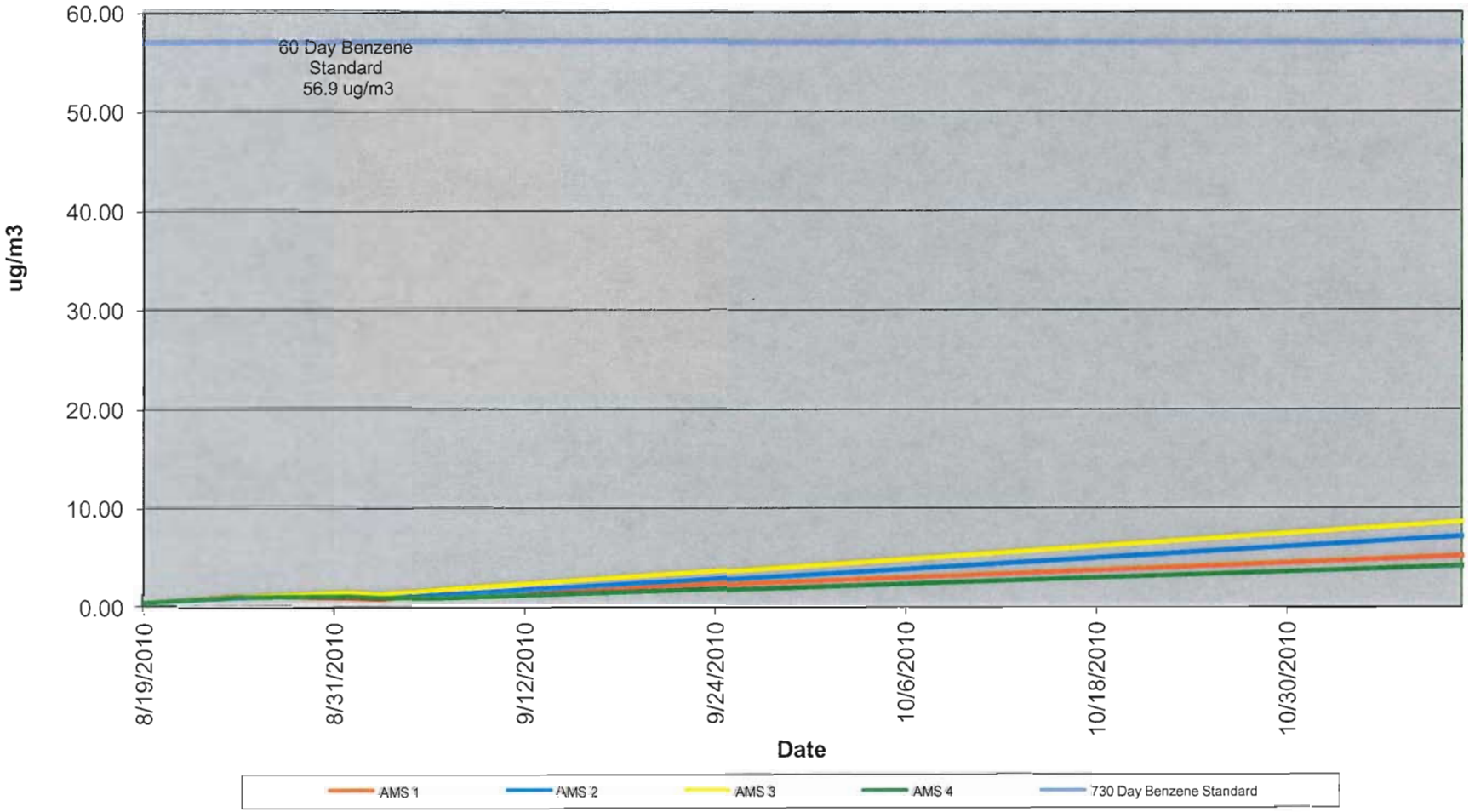
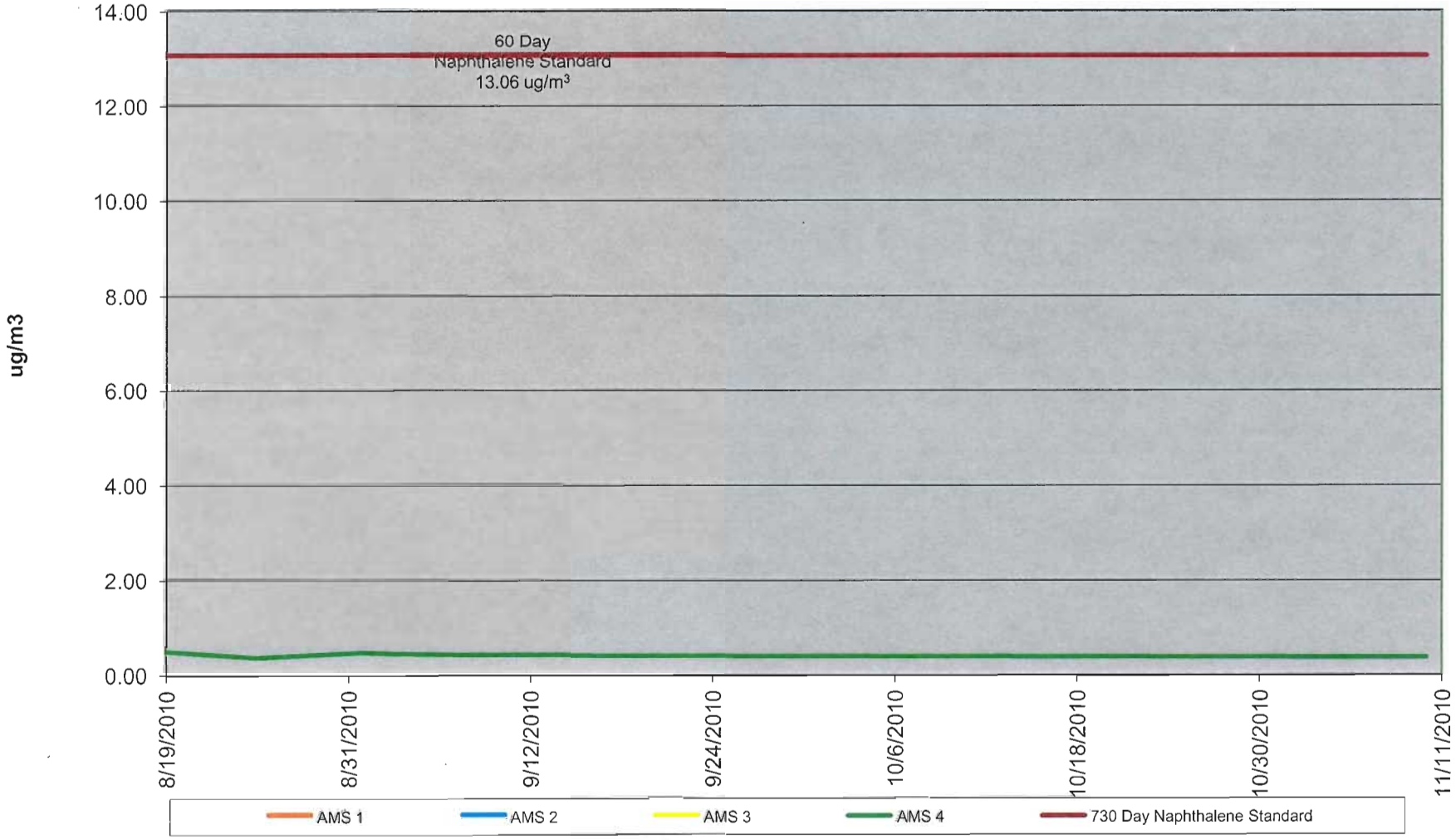


FIGURE 3
Naphthalene Running Averages
Taylorville MGP Site
8/19/2010 - 3/7/2012



TABLES

Table 1
Project Ambient Air Quality Standards
60 Day Exposure
Taylorville MGP Site

Constituent	Basis of Standard	Concentration (ug/m^3)
VOC		
Benzene	RBC	56.9
Naphthalene	RBC	13.06
PARTICULATES		
PM-10	NAAQS	150

RBC - Risk Based Calculation, see Table 2 for details.
NAAQS - National Ambient Air Quality Standard, 24-hour Average.

Table 2
Risk-Based Air Concentrations
60 Day Exposure
Taylorville MGP Site

DERIVATION OF RISK-BASED AIR CONCENTRATIONS: 60 Day Project

$C_{air\text{-}nc}$ = (THQ x ED x ATnc x 1000 ug/mg) / (EF x ED x 1/RfC)

$C_{air\text{-}c}$ = (TR x ATc x LT) / (EF x ED x IUR)

Parameter	Description	Units	Value	Reference
THQ	= Target Hazard Quotient	unitless	1	USEPA
TR	= Target cancer risk	unitless	1.00E-06	USEPA
RfC_i	= Inhalation Reference Dose	mg/m^3	see below (u),(h),(s),(n)	USEPA
IUR	= Inhalation Unit Risk	$(ug/m^3)^{-1}$	see below (u)	USEPA
LT	= Lifetime	year	70	USEPA
AT_{nc}	= Averaging Time for noncarcinogens	days	60	site-specific
AT_c	= Averaging Time for carcinogens	days	365	USEPA
EF	= Exposure Frequency	days/year	350	USEPA
ED	= Exposure Duration	year	0.16	site-specific
$C_{air\text{-}nc}$	= Risk-based air concentration for noncarcinogens	ug/m^3	calculated	above equation
$C_{air\text{-}c}$	= Risk-based air concentration for carcinogens	ug/m^3	calculated	above equation

Constituent	RfC_i mg/m^3		IUR $(ug/m^3)^{-1}$		$C_{air\text{-}nc}$ ug/m^3	$C_{air\text{-}o}$ ug/m^3	Concentration ug/m^3
VOC							
Benzene	3.00E-02	(u)	7.80E-06	(u)	5.14	56.93	5.143E+00
Ethyl benzene	1.00E+00	(u)	2.50E-06	(u)	171.43	177.63	1.714E+02
Toluene	5.00E+00	(u)			857.14	NC	8.571E+02
m,p-Xylene	7.00E-01	(u)			120.00	NC	1.200E+02
o-Xylene	7.00E-01	(u)			120.00	NC	1.200E+02
PAH							
Naphthalene	3.00E-03	(u)	3.40E-05	(u)	0.51	13.06	5.143E-01
Benzo(a)pyrene	NA		1.10E-03	(u)	NC	0.40	4.037E-01
2-Methylnaphthalene	3.00E-03	(s)	NA		0.51	NC	5.143E-01
Acenaphthylene	3.00E-02	(s)	NA		5.14	NC	5.143E+00
Acenaphthene	6.00E-02	(h,n)	NA		10.29	NC	1.029E+01
Fluorene	4.00E-02	(h)	NA		6.86	NC	6.857E+00
Phenanthrene	3.00E-02	(s)	NA		5.14	NC	5.143E+00
Anthracene	3.00E-01	(h)	NA		51.43	NC	5.143E+01
Fluoranthene	4.00E-02	(h)	NA		6.86	NC	6.857E+00
Pyrene	3.00E-02	(h)	NA		5.14	NC	5.143E+00
Chrysene	NA		1.10E-05	(u)	NC	40.37	4.037E+01
Benzo(a)anthracene	NA		1.10E-04	(u)	NC	4.04	4.037E+00
Benzo(b)fluoranthene	NA		1.10E-04	(u)	NC	4.04	4.037E+00
Benzo(k)fluoranthene	NA		1.10E-04	(u)	NC	4.04	4.037E+00
Indeno(1,2,3-c,d)pyrene	NA		1.10E-04	(u)	NC	4.04	4.037E+00
Dibenz(a,h)anthracene	NA		1.20E-03	(u)	NC	0.37	3.701E-01
Benzo(g,h,i)perylene	3.00E-02	(s)	NA		5.14	NC	5.143E+00

n = National Center for Environmental Assessment (NCEA, 2000).
Also referenced in the USEPA Region IX PRG Tables (USEPA, 2004)

u = USEPA Risk Based Concentration Table (USEPA, September 2008)

s = refers to a surrogate chemcial used because a toxicity value was not available in any of the sources listed above. Naphthalene was used as a surrogate compound for 2-Methylnaphthalene. Pyrene was used as a surrogate compound for acenaphthylene, phenanthrene, and benzo(g,h,i)pyrlene.

h= Region 6 Human Health medium-Specific Screening Levels 2008

TABLE 3
Time-integrated Benzene and Naphthalene Air Monitoring Sample Results
Taylorville MGP Site

Risked-based Standards
Based on 60-day exposure
Benzene = 56.93 ug/m^3
Naphthalene = 13.06 ug/m3

Report Date: **8/10/2012**

Sample Date	Air Monitoring Station	TO-15A Benzene Conc. (ug/m^3)	Passive Benzene Conc. (ug/m3)	Passive Naphthalene Conc. (ug/m3)
8/19-8/22/10	AMS-1	<2.5	<0.58	<0.92
	AMS-1D		<0.58	<0.92
	AMS-2	<2.8	<0.58	<0.92
	AMS-3		<0.58	<0.92
	AMS-4		<0.58	<0.92
8/25-9/1/10	AMS-1		1.60	<0.40
	AMS-1D		1.80	<0.40
	AMS-2		1.30	<0.40
	AMS-3		1.50	<0.40
	AMS-4		1.40	<0.40
8/28-8/31/10	AMS-1	<2.2		
	AMS-2	<2.3		
	AMS-3			
	AMS-4			

Sample Date	Air Monitoring Station	Benzene Conc. (ug/m^3)	Passive Benzene Conc. (ug/m3)	Naphthalene Conc. (ug/m3)
9/1-9/3/10	AMS-1		<0.83	<1.3
	AMS-1D		0.92	<1.3
	AMS-2		1.80	<1.3
	AMS-3		2.30	<1.3
	AMS-4		1.10	<1.3
9/7-9/10/10	AMS-1	3.2		
	AMS-2	<2.7		
	AMS-3			
	AMS-4			
9/3-9/7/10	AMS-1		<0.44	<0.71
	AMS-1D		<0.44	<0.71
	AMS-2		0.70	<0.71
	AMS-3		0.53	<0.71
	AMS-4		<0.44	<0.71
9/7-9/11/10	AMS-1		3.50	<0.66
	AMS-1D		3.20	<0.66
	AMS-2		1.60	<0.66
	AMS-3		4.00	<0.66
	AMS-4		1.10	<0.66
11/16-11/18/10	AMS-1			
	AMS-1D			
	AMS-2	110.0		
	AMS-3			
	AMS-4			
11/10-11/18/10	AMS-1		25.00	<0.34
	AMS-1D		30.00	<0.34
	AMS-2		37.00	<0.34
	AMS-3		43.00	<0.34
	AMS-4		21.00	<0.34

Sample Date	Air Monitoring Station	Benzene Conc. (ug/m^3)	Passive Benzene Conc. (ug/m3)	Passive Naphthalene Conc. (ug/m3)
3/16-3/19/11	AMS-1	3.0	2.70	<0.99
	AMS-2	<2.5	2.20	<0.99
	AMS-3	4.8	5.00	<0.99
	AMS-4	4.2	12.00	<0.99
3/19-3/23/11	AMS-1	12	9.20	<0.96
	AMS-2	17	16.00	<0.96
	AMS-3	22	25.00	<0.96
	AMS-4	16	14.00	<0.96
9/27-10/3/11	AMS-1		13.00	0.62
	AMS-1D		15.00	0.50
	AMS-2		33.00	0.71
	AMS-3		16.00	0.64
	AMS-4		4.50	0.14
10/3-10/6-11	AMS-1	110	>100.0	3.50
	AMS-1D	140		
	AMS-2	73	81.00	1.80
	AMS-3	60	68.00	4.10
	AMS-4	42	43.00	2.60
12/6-12/9-11	AMS-1	5		
	AMS-1D	2		
	AMS-2	5.1		
	AMS-3	38		
	AMS-4	8.7		
12/6-12/15-11	AMS-1		15.00	0.14
	AMS-2		17.00	0.17
	AMS-3		28.00	0.11
	AMS-4		30.00	0.18
			3.90	<0.057

Sample Date	Air Monitoring Station	TO-15A Benzene Conc. (ug/m^3)	Passive Benzene Conc. (ug/m3)	Passive Naphthalene Conc. (ug/m3)
12/12-12/15-11	AMS-1	17	15.00	0.21
	AMS-2	26	17.00	0.12
	AMS-3	38	42.00	0.27
	AMS-4	24	25.00	0.17
2/27-3/1-12	AMS-1	<2.2	8.10	0.22
	AMS-2	<2.2	19.00	0.10
	AMS-3	<2.2	15.00	0.21
	AMS-4	<2.8	6.90	0.28
2/27-3/5-12	AMS-1	<2.3		
	AMS-1D	<3.2		
	AMS-2	12		
	AMS-3	29		
	AMS-4	15		
3/5/-3/7-12	AMS-1		3.00	1.20
	AMS-2		4.50	1.70
	AMS-3		57.00	1.80
	AMS-4		20.00	1.70

Project running average benzene concentration

Benzene conc. ug/m3

Station #	Current Reporting Period	Risk-based Standard	Status
AMS-1	10.50	56.90	<
AMS-2	17.39	56.90	<
AMS-3	22.12	56.90	<
AMS-4	11.03	56.90	<

Project running average naphthalene concentration

Naphthalene conc. ug/m3

Station #	Current Reporting Period	Risk-based Standard	Status
AMS-1	0.645	13.06	<
AMS-2	0.549	13.06	<
AMS-3	0.739	13.06	<
AMS-4	0.576	13.06	<

APPENDIX A

REAL-TIME AIR MONITORING FIELD DATA

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	8/19/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
8:30 - 8:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
9:30 - 9:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
10:30 - 10:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
11:30 - 11:45	AMS01	0.0	NA	0.016	0.0	
	AMS02	0.0	NA	0.011	0.0	
	AMS03	0.0	NA	0.009	0.0	Background Sampling
	AMS04	0.0	NA	0.008	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.017	0.0	
	AMS02	0.0	NA	0.015	0.0	
	AMS03	0.0	NA	0.021	0.0	Background Sampling
	AMS04	0.0	NA	0.032	0.0	
13:30 - 13:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
14:30 - 14:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
15:30 - 15:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
16:30 - 16:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	8/20/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.017	0.0	Background Sampling
	AMS02	0.0	NA	0.008	0.0	
	AMS03	0.0	NA	0.011	0.0	
	AMS04	0.0	NA	0.024	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.013	0.0	Background Sampling
	AMS02	0.0	NA	0.019	0.0	
	AMS03	0.0	NA	0.012	0.0	
	AMS04	0.0	NA	0.016	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.011	0.0	Background Sampling
	AMS02	0.0	NA	0.014	0.0	
	AMS03	0.0	NA	0.010	0.0	
	AMS04	0.0	NA	0.007	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.018	0.0	Background Sampling
	AMS02	0.0	NA	0.006	0.0	
	AMS03	0.0	NA	0.010	0.0	
	AMS04	0.0	NA	0.027	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.016	0.0	Background Sampling
	AMS02	0.0	NA	0.010	0.0	
	AMS03	0.0	NA	0.007	0.0	
	AMS04	0.0	NA	0.018	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.011	0.0	Background Sampling
	AMS02	0.0	NA	0.013	0.0	
	AMS03	0.0	NA	0.020	0.0	
	AMS04	0.0	NA	0.015	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.019	0.0	Background Sampling
	AMS02	0.0	NA	0.014	0.0	
	AMS03	0.0	NA	0.005	0.0	
	AMS04	0.0	NA	0.023	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.015	0.0	Background Sampling
	AMS02	0.0	NA	0.012	0.0	
	AMS03	0.0	NA	0.017	0.0	
	AMS04	0.0	NA	0.027	0.0	
15:30 - 15:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
16:30 - 16:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	8/20/2010			
Time	Location	PID (ppm)	Portable GC (ppm) Benzene	PM_{10} mg/m3	Odor	Remarks
		Make RAE Systems model: MiniRAE2000	Make PhotoVac Model Voyager I.D. EVKV 350	Make MIE Model pDR-1500 I.D. 5230/Bat 1918		
7:30 - 7:45	AMS01	0.0	NA	0.014	0.0	Background Sampling
	AMS02	0.0	NA	0.011	0.0	
	AMS03	0.0	NA	0.008	0.0	
	AMS04	0.0	NA	0.017	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.019	0.0	Background Sampling
	AMS02	0.0	NA	0.014	0.0	
	AMS03	0.0	NA	0.010	0.0	
	AMS04	0.0	NA	0.014	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.016	0.0	Background Sampling
	AMS02	0.0	NA	0.009	0.0	
	AMS03	0.0	NA	0.015	0.0	
	AMS04	0.0	NA	0.012	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.011	0.0	Background Sampling
	AMS02	0.0	NA	0.017	0.0	
	AMS03	0.0	NA	0.020	0.0	
	AMS04	0.0	NA	0.018	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.013	0.0	Background Sampling
	AMS02	0.0	NA	0.010	0.0	
	AMS03	0.0	NA	0.009	0.0	
	AMS04	0.0	NA	0.013	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.010	0.0	Background Sampling
	AMS02	0.0	NA	0.016	0.0	
	AMS03	0.0	NA	0.024	0.0	
	AMS04	0.0	NA	0.015	0.0	
13:30 - 13:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
14:30 - 14:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
15:30 - 15:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
16:30 - 16:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	8/25/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.024	0.0	XDD Mobilizing Equipment
	AMS02	0.0	NA	0.019	0.0	
	AMS03	0.0	NA	0.025	0.0	
	AMS04	0.0	NA	0.018	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.013	0.0	XDD Mobilizing Equipment
	AMS02	0.0	NA	0.011	0.0	
	AMS03	0.0	NA	0.018	0.0	
	AMS04	0.0	NA	0.016	0.0	
9:30 - 9:45	AMS01	NA	NA	NA	NA	Safety Meeting
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
10:30 - 10:45	AMS01	NA	NA	NA	NA	Safety Meeting
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
11:30 - 11:45	AMS01	0.0	NA	0.019	0.0	XDD Mobilizing Equipment
	AMS02	0.0	NA	0.010	0.0	
	AMS03	0.0	NA	0.006	0.0	
	AMS04	0.0	NA	0.021	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.023	0.0	XDD Mobilizing Equipment
	AMS02	0.0	NA	0.006	0.0	
	AMS03	0.0	NA	0.003	0.0	
	AMS04	0.0	NA	0.005	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.017	0.0	Lunch
	AMS02	0.0	NA	0.013	0.0	
	AMS03	0.0	NA	0.020	0.0	
	AMS04	0.0	NA	0.009	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.008	0.0	XDD Mobilizing Equipment
	AMS02	0.0	NA	0.026	0.0	
	AMS03	0.0	NA	0.029	0.0	
	AMS04	0.0	NA	0.005	0.0	
15:30 - 15:45	AMS01	0.0	NA	0.011	0.0	XDD Mobilizing Equipment
	AMS02	0.0	NA	0.007	0.0	
	AMS03	0.0	NA	0.014	0.0	
	AMS04	0.0	NA	0.008	0.0	
16:30 - 16:45	AMS01	0.0	NA	0.019	0.0	XDD Mobilizing Equipment
	AMS02	0.0	NA	0.010	0.0	
	AMS03	0.0	NA	0.023	0.0	
	AMS04	0.0	NA	0.009	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	8/26/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.012	0.0	XDD Mobilizing Equipment
	AMS02	0.0	NA	0.017	0.0	
	AMS03	0.0	NA	0.006	0.0	
	AMS04	0.0	NA	0.011	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.013	0.0	XDD Mobilizing Equipment
	AMS02	0.0	NA	0.010	0.0	
	AMS03	0.0	NA	0.019	0.0	
	AMS04	0.0	NA	0.014	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.024	0.0	XDD Began Injection at 8:46, XDD Performing Well Injection
	AMS02	0.0	NA	0.016	0.0	
	AMS03	0.0	NA	0.012	0.0	
	AMS04	0.0	NA	0.009	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.025	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.019	0.0	
	AMS03	0.0	NA	0.017	0.0	
	AMS04	0.0	NA	0.015	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.033	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.008	0.0	
	AMS03	0.0	NA	0.014	0.0	
	AMS04	0.0	NA	0.010	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.004	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.009	0.0	
	AMS03	0.0	NA	0.005	0.0	
	AMS04	0.0	NA	0.004	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.007	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.005	0.0	
	AMS03	0.0	NA	0.008	0.0	
	AMS04	0.0	NA	0.013	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.004	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.008	0.0	
	AMS03	0.0	NA	0.005	0.0	
	AMS04	0.0	NA	0.007	0.0	
15:30 - 15:45	AMS01	0.0	NA	0.012	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.004	0.0	
	AMS03	0.0	NA	0.006	0.0	
	AMS04	0.0	NA	0.016	0.0	
16:30 - 16:45	AMS01	0.0	NA	0.008	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.026	0.0	
	AMS03	0.0	NA	0.009	0.0	
	AMS04	0.0	NA	0.007	0.0	
17:30 - 17:45	AMS01	0.0	NA	0.004	0.0	XDD Flushing Lines
	AMS02	0.0	NA	0.012	0.0	
	AMS03	0.0	NA	0.009	0.0	
	AMS04	0.0	NA	0.022	0.0	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	8/27/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.010	0.0	XDD Preparing to Start Injection
	AMS02	0.0	NA	0.007	0.0	
	AMS03	0.0	NA	0.011	0.0	
	AMS04	0.0	NA	0.011	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.004	0.0	XDD Began Injection at 8:00, XDD Performing Well Injection
	AMS02	0.0	NA	0.003	0.0	
	AMS03	0.0	NA	0.003	0.0	
	AMS04	0.0	NA	0.009	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.002	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.009	0.0	
	AMS03	0.0	NA	0.003	0.0	
	AMS04	0.0	NA	0.005	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.005	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.004	0.0	
	AMS03	0.0	NA	0.009	0.0	
	AMS04	0.0	NA	0.002	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.002	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.004	0.0	
	AMS03	0.0	NA	0.018	0.0	
	AMS04	0.0	NA	0.014	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.014	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.002	0.0	
	AMS03	0.0	NA	0.003	0.0	
	AMS04	0.0	NA	0.007	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.025	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.013	0.0	
	AMS03	0.0	NA	0.016	0.0	
	AMS04	0.0	NA	0.010	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.011	0.0	XDD Changing Injection Tanks
	AMS02	0.0	NA	0.004	0.0	
	AMS03	0.0	NA	0.007	0.0	
	AMS04	0.0	NA	0.012	0.0	
15:30 - 15:45	AMS01	0.0	NA	0.007	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.005	0.0	
	AMS03	0.0	NA	0.013	0.0	
	AMS04	0.0	NA	0.014	0.0	
16:30 - 16:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.002	0.0	
	AMS03	0.0	NA	0.010	0.0	
	AMS04	0.0	NA	0.004	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	8/28/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.002	0.0	XDD Preparing to Start Injection
	AMS02	0.0	NA	0.009	0.0	
	AMS03	0.0	NA	0.005	0.0	
	AMS04	0.0	NA	0.010	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.016	0.0	XDD Began Injection at 8:30, XDD Performing Well Injection
	AMS02	0.0	NA	0.013	0.0	
	AMS03	0.0	NA	0.009	0.0	
	AMS04	0.0	NA	0.008	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.011	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.008	0.0	
	AMS03	0.0	NA	0.026	0.0	
	AMS04	0.0	NA	0.004	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.015	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.012	0.0	
	AMS03	0.0	NA	0.011	0.0	
	AMS04	0.0	NA	0.013	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.009	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.014	0.0	
	AMS03	0.0	NA	0.011	0.0	
	AMS04	0.0	NA	0.008	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.022	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.007	0.0	
	AMS03	0.0	NA	0.010	0.0	
	AMS04	0.0	NA	0.014	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.024	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.011	0.0	
	AMS03	0.0	NA	0.023	0.0	
	AMS04	0.0	NA	0.019	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.017	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.011	0.0	
	AMS03	0.0	NA	0.013	0.0	
	AMS04	0.0	NA	0.013	0.0	
15:30 - 15:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
16:30 - 16:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	8/30/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.011	0.0	Truck Filling Up Tanks
	AMS02	0.0	NA	0.007	0.0	
	AMS03	0.0	NA	0.010	0.0	
	AMS04	0.0	NA	0.023	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.021	0.0	Truck Filling Up Tanks
	AMS02	0.0	NA	0.004	0.0	
	AMS03	0.0	NA	0.012	0.0	
	AMS04	0.0	NA	0.008	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.007	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.006	0.0	
	AMS03	0.0	NA	0.006	0.0	
	AMS04	0.0	NA	0.021	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.010	0.0	At 10:00 Brett Carney From ERM Informed Me That Well 1A Had Pressure Build Up and Was in a Gyser State. XDD Had Stopped Well Injection. I Monitored Around the Area for Awhile and Went to All the Stations With the PID and Readings Were 0.0ppm,
	AMS02	0.0	NA	0.013	0.0	
	AMS03	0.0	NA	0.029	0.0	
	AMS04	0.0	NA	0.009	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.019	0.0	Brett Carney From ERM Informed Me at 11:10 That There Was Coal Tar Daylighting Near Well 9B. XDD Shut Down Injection and Began Cleaning the Area. I Monitored the Exclusion Zone with the PID. Readings Were Inbetween 0.0ppm to 16.9ppm. I
	AMS02	0.0	NA	0.012	0.0	
	AMS03	0.0	NA	0.01	0.0	
	AMS04	0.0	NA	0.008	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.027	0.0	XDD Still Cleaning Up Coal Tar Around Pump 9B. I Continued Monitoring the Exclusion Zone, and Was Getting Readings on the PID Inbetween 0.0ppm and 6.3ppm. Readings at all Stations Were Still 0.0ppm. No Odor at AMS02
	AMS02	0.0	NA	0.013	0.0	
	AMS03	0.0	NA	0.010	0.0	
	AMS04	0.0	NA	0.011	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.001	0.0	It Began Raining at 13:10, Lunch
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.004	0.0	XDD Still Cleaning Up Coal Tar Around Pump 9B.
	AMS02	0.0	NA	0.009	0.0	
	AMS03	0.0	NA	0.002	0.0	
	AMS04	0.0	NA	0.008	0.0	
15:30 - 15:45	AMS01	0.0	NA	0.010	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.012	0.0	
	AMS03	0.0	NA	0.006	0.0	
	AMS04	0.0	NA	0.008	0.0	
16:30 - 16:45	AMS01	0.0	NA	0.003	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.005	0.0	
	AMS03	0.0	NA	0.002	0.0	
	AMS04	0.0	NA	0.001	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	8/31/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.009	0.0	XDD Perparing to Start Injections for the Day
	AMS02	0.0	NA	0.011	0.0	
	AMS03	0.0	NA	0.008	0.0	
	AMS04	0.0	NA	0.015	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.003	0.0	XDD Perparing to Start Injections for the Day
	AMS02	0.0	NA	0.006	0.0	
	AMS03	0.0	NA	0.004	0.0	
	AMS04	0.0	NA	0.005	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.007	0.0	XDD Perparing to Start Injections for the Day
	AMS02	0.0	NA	0.005	0.0	
	AMS03	0.0	NA	0.008	0.0	
	AMS04	0.0	NA	0.006	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.004	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.003	0.0	
	AMS03	0.0	NA	0.004	0.0	
	AMS04	0.0	NA	0.001	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.002	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.005	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.003	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.004	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.011	0.0	
	AMS03	0.0	NA	0.002	0.0	
	AMS04	0.0	NA	0.005	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.003	0.0	Tanker Truck Getting Ready to Fill Hydrogen Peroxide Tank
	AMS02	0.0	NA	0.002	0.0	
	AMS03	0.0	NA	0.017	0.0	
	AMS04	0.0	NA	0.001	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.006	0.0	Tanker Truck Filling Hydrogen Peroxide Tank
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.003	0.0	
	AMS04	0.0	NA	0.001	0.0	
15:30 - 15:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.003	0.0	
	AMS04	0.0	NA	0.007	0.0	
16:30 - 16:45	AMS01	0.0	NA	0.005	0.0	XDD Performing Well Injection, Odor Near AMS03
	AMS02	0.0	NA	0.003	0.0	
	AMS03	0.2	NA	0.001	1.0	
	AMS04	0.0	NA	0.004	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	9/1/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.001	0.0	XDD Perparing to Start Injections for the Day,Raining
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.001	0.0	XDD Started Injections at 8:00, XDD Performing Well Injection, Raining
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection, Odor at AMS03
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	1.0	
	AMS04	0.0	NA	0.001	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection, Raining
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
15:30 - 15:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection, Odor at AMS03
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	1.0	
	AMS04	0.0	NA	0.001	0.0	
16:30 - 16:45	AMS01	0.0	NA	0.001	0.0	XDD Preparing to Shut Down for the Day
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	9/2/2010			
Time	Location	PID (ppm)	Portable GC (ppm) Benzene	PM_{10} mg/m3	Odor	Remarks
		Make RAE Systems model: MiniRAE2000	Make PhotoVac Model Voyager I.D. EVKV 350	Make MIE Model pDR-1500 I.D. 5230/Bat 1918		
7:30 - 7:45	AMS01	0.0	NA	0.001	0.0	XDD Perparing to Start Injections for the Day,Raining
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection, Raining
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
15:30 - 15:45	AMS01	0.0	NA	0.001	0.0	XDD Flushing Injection Lines
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.001	0.0	
16:30 - 16:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	9/7/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.011	0.0	Tanker Truck Filling Hydrogen Peroxide Tanks
	AMS02	0.0	NA	0.006	0.0	
	AMS03	0.0	NA	0.009	0.0	
	AMS04	0.0	NA	0.004	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.002	0.0	Tanker Truck Filling Hydrogen Peroxide Tanks
	AMS02	0.0	NA	0.007	0.0	
	AMS03	0.0	NA	0.013	0.0	
	AMS04	0.0	NA	0.001	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.008	0.0	XDD Performing Well Injection, Using Mini Excavator to Dig Holes for Sub-Pumps
	AMS02	0.0	NA	0.011	0.0	
	AMS03	0.0	NA	0.006	0.0	
	AMS04	0.0	NA	0.005	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.014	0.0	XDD Performing Well Injection, Using Mini Excavator to Dig Holes for Sub-Pumps
	AMS02	0.0	NA	0.009	0.0	
	AMS03	0.0	NA	0.008	0.0	
	AMS04	0.0	NA	0.002	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.009	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.012	0.0	
	AMS04	0.0	NA	0.007	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.004	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.006	0.0	
	AMS04	0.0	NA	0.012	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.013	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.009	0.0	
	AMS03	0.0	NA	0.010	0.0	
	AMS04	0.0	NA	0.006	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.007	0.0	XDD Performing Well Injection, Installing Sub-Pumps
	AMS02	0.0	NA	0.016	0.0	
	AMS03	0.0	NA	0.011	0.0	
	AMS04	0.0	NA	0.008	0.0	
15:30 - 15:45	AMS01	0.0	NA	0.003	0.0	XDD Performing Well Injection, Installing Sub-Pumps
	AMS02	0.0	NA	0.014	0.0	
	AMS03	0.0	NA	0.006	0.0	
	AMS04	0.0	NA	0.008	0.0	
16:30 - 16:45	AMS01	0.0	NA	0.009	0.0	XDD Flushing Injection Lines
	AMS02	0.0	NA	0.010	0.0	
	AMS03	0.0	NA	0.008	0.0	
	AMS04	0.0	NA	0.001	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	9/8/2010			
Time	Location	PID (ppm) Make RAE Systems model: MiniRAE2000	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.0	NA	0.003	0.0	XDD Preparing to Start Well Injection for the Day
	AMS02	0.0	NA	0.007	0.0	
	AMS03	0.0	NA	0.002	0.0	
	AMS04	0.0	NA	0.010	0.0	
8:30 - 8:45	AMS01	0.0	NA	0.004	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.003	0.0	
	AMS03	0.0	NA	0.009	0.0	
	AMS04	0.0	NA	0.005	0.0	
9:30 - 9:45	AMS01	0.0	NA	0.005	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.005	0.0	
	AMS03	0.0	NA	0.004	0.0	
	AMS04	0.0	NA	0.004	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.002	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.006	0.0	
11:30 - 11:45	AMS01	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.003	0.0	
	AMS03	0.0	NA	0.003	0.0	
	AMS04	0.0	NA	0.002	0.0	
12:30 - 12:45	AMS01	0.0	NA	0.008	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.003	0.0	
	AMS03	0.0	NA	0.017	0.0	
	AMS04	0.0	NA	0.004	0.0	
13:30 - 13:45	AMS01	0.0	NA	0.010	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.002	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.013	0.0	
14:30 - 14:45	AMS01	0.0	NA	0.005	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.018	0.0	
	AMS04	0.0	NA	0.001	0.0	
15:30 - 15:45	AMS01	0.0	NA	0.011	0.0	XDD Performing Well Injection
	AMS02	0.0	NA	0.003	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.007	0.0	
16:30 - 16:45	AMS01	0.0	NA	0.004	0.0	XDD Flushing Injection Lines
	AMS02	0.0	NA	0.002	0.0	
	AMS03	0.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.012	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	9/9/2010			
Time	Location	PID (ppb) Make RAE Systems model: ppbRae Plus	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.1	NA	0.001	0.0	XDD Preparing to Start Well Injection for the Day, Added RT05 Outside Fence
	AMS02	0.1	NA	0.004	0.0	
	AMS03	0.1	NA	0.003	0.0	
	AMS04	0.1	NA	0.004	0.0	
	RT05	0.1	NA	0.007	0.0	
8:30 - 8:45	AMS01	0.1	NA	0.003	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.002	0.0	
	AMS03	0.1	NA	0.009	0.0	
	AMS04	0.1	NA	0.008	0.0	
	RT05	0.1	NA	0.013	0.0	
9:30 - 9:45	AMS01	0.1	NA	0.004	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.008	0.0	
	AMS03	0.1	NA	0.005	0.0	
	AMS04	0.1	NA	0.003	0.0	
	RT05	0.1	NA	0.005	0.0	
10:30 - 10:45	AMS01	0.1	NA	0.012	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.009	0.0	
	AMS03	0.1	NA	0.007	0.0	
	AMS04	0.1	NA	0.006	0.0	
	RT05	0.1	NA	0.006	0.0	
11:30 - 11:45	AMS01	0.1	NA	0.008	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.004	0.0	
	AMS03	0.1	NA	0.003	0.0	
	AMS04	0.1	NA	0.004	0.0	
	RT05	0.1	NA	0.006	0.0	
12:30 - 12:45	AMS01	0.1	NA	0.014	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.002	0.0	
	AMS03	0.1	NA	0.009	0.0	
	AMS04	0.1	NA	0.007	0.0	
	RT05	0.1	NA	0.006	0.0	
13:30 - 13:45	AMS01	0.1	NA	0.009	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.008	0.0	
	AMS03	0.1	NA	0.004	0.0	
	AMS04	0.1	NA	0.005	0.0	
	RT05	0.1	NA	0.004	0.0	
14:30 - 14:45	AMS01	0.1	NA	0.017	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.005	0.0	
	AMS03	0.1	NA	0.003	0.0	
	AMS04	0.1	NA	0.003	0.0	
	RT05	186.0	NA	0.014	1.0	
15:30 - 15:45	AMS01	0.1	NA	0.006	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.002	0.0	
	AMS03	0.1	NA	0.011	0.0	
	AMS04	0.1	NA	0.004	0.0	
	RT05	41.0	NA	0.002	1.0	
16:30 - 16:45	AMS01	0.1	NA	0.003	0.0	XDD Flushing Injection Lines
	AMS02	0.1	NA	0.005	0.0	
	AMS03	0.1	NA	0.005	0.0	
	AMS04	0.1	NA	0.010	0.0	
	RT05	0.1	NA	0.002	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	AJA
Project Number:	101-275	Date:	9/10/2010			
Time	Location	PID (ppb) Make RAE Systems model: ppbRae Plus	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	0.1	NA	0.001	0.0	XDD Preparing to Start Well Injection for the Day, Raining
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
8:30 - 8:45	AMS01	0.1	NA	0.001	0.0	XDD Performing Well Injection, Raining
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
9:30 - 9:45	AMS01	0.1	NA	0.001	0.0	XDD Performing Well Injection, Raining
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
10:30 - 10:45	AMS01	0.1	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
11:30 - 11:45	AMS01	0.1	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
12:30 - 12:45	AMS01	0.1	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
13:30 - 13:45	AMS01	0.1	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
14:30 - 14:45	AMS01	0.1	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
15:30 - 15:45	AMS01	0.1	NA	0.001	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
16:30 - 16:45	AMS01	0.1	NA	0.001	0.0	XDD Flushing Injection Lines
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	DSS
Project Number:	101-275	Date:	11/10/2010			
Time	Location	PID (ppb)	Portable GC (ppm) Benzene	PM_{10} mg/m3	Odor	Remarks
		Make RAE Systems model: ppbRae Plus	Make PhotoVac Model Voyager I.D. EVKV 350	Make MIE Model pDR-1500 I.D. 5230/Bat 1918		46F E,SE 7mph 30.09
7:30 - 7:45	AMS01	0.1	NA	0.044	0.0	XDD Preparing to Start Well Injection for the Day
	AMS02	11.0	NA	0.037	0.0	
	AMS03	0.1	NA	0.031	0.0	
	AMS04	160.0	NA	0.133	0.0	
	RT05	0.1	NA	0.001	0.0	
8:30 - 8:45	AMS01	0.1	NA	0.023	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.035	0.0	
	AMS03	0.1	NA	0.036	0.0	
	AMS04	46.0	NA	0.032	0.0	
	RT05	4.0	NA	0.046	0.0	
9:30 - 9:45	AMS01	0.1	NA	0.001	0.0	XDD Performing Well Injection. Day lighting near station 5 (inside fence). Slight odor.
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
10:30 - 10:45	AMS01	0.1	NA	0.052	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.018	0.0	
	AMS03	0.1	NA	0.016	0.0	
	AMS04	6.0	NA	0.018	0.0	
	RT05	16.0	NA	0.021	0.0	
11:30 - 11:45	AMS01	0.1	NA	0.020	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.016	0.0	
	AMS03	0.1	NA	0.014	0.0	
	AMS04	2.0	NA	0.015	0.0	
	RT05	0.1	NA	0.032	0.0	
12:30 - 12:45	AMS01	0.1	NA	0.016	0.0	XDD Performing Well Injection
	AMS02	4.0	NA	0.046	0.0	
	AMS03	4.0	NA	0.027	0.0	
	AMS04	16.0	NA	0.038	0.0	
	RT05	0.1	NA	0.012	0.0	
13:30 - 13:45	AMS01	0.1	NA	0.061	0.0	XDD Performing Well Injection
	AMS02	3.0	NA	0.010	0.0	
	AMS03	1.0	NA	0.009	0.0	
	AMS04	2.0	NA	0.025	0.0	
	RT05	5.0	NA	0.031	0.0	
14:30 - 14:45	AMS01	16.0	NA	0.017	0.0	XDD Performing Well Injection. Day lighting near station 5 (outside fence). Slight odor.
	AMS02	0.1	NA	0.026	0.0	
	AMS03	0.1	NA	0.019	0.0	
	AMS04	0.1	NA	0.017	0.0	
	RT05	0.1	NA	0.004	0.0	
15:30 - 15:45	AMS01	0.1	NA	0.042	0.0	XDD Performing Well Injection
	AMS02	27.0	NA	0.019	0.0	
	AMS03	0.1	NA	0.014	0.0	
	AMS04	0.1	NA	0.013	0.0	
	RT05	0.1	NA	0.026	0.0	
16:30 - 16:45	AMS01	0.1	NA	0.001	0.0	XDD Flushing Injection Lines
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	DSS
Project Number:	101-275	Date:	11/10/2010			
Time	Location	PID (ppb) Make RAE Systems model: ppbRae Plus	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks 46F E,SE 7mph 30.09
7:30 - 7:45	AMS01	0.1	NA	0.020	0.0	XDD Preparing to Start Well Injection for the Day
	AMS02	0.1	NA	0.025	0.0	
	AMS03	0.1	NA	0.014	0.0	
	AMS04	0.1	NA	0.021	0.0	
	RT05	0.1	NA	0.025	0.0	
8:30 - 8:45	AMS01	0.1	NA	0.017	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.022	0.0	
	AMS03	0.1	NA	0.012	0.0	
	AMS04	0.1	NA	0.019	0.0	
	RT05	0.1	NA	0.024	0.0	
9:30 - 9:45	AMS01	0.1	NA	0.021	0.0	XDD Performing Well Injection. Day lighting near station 5 (inside fence). Slight odor.
	AMS02	0.1	NA	0.031	0.0	
	AMS03	0.1	NA	0.024	0.0	
	AMS04	0.1	NA	0.012	0.0	
	RT05	0.1	NA	0.011	0.0	
10:30 - 10:45	AMS01	0.1	NA	0.011	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.004	0.0	
	AMS03	0.1	NA	0.012	0.0	
	AMS04	4.0	NA	0.021	0.0	
	RT05	1.0	NA	0.043	0.0	
11:30 - 11:45	AMS01	0.1	NA	0.016	0.0	XDD Performing Well Injection
	AMS02	4.0	NA	0.024	0.0	
	AMS03	0.1	NA	0.016	0.0	
	AMS04	0.1	NA	0.032	0.0	
	RT05	0.1	NA	0.008	0.0	
12:30 - 12:45	AMS01	0.1	NA	0.014	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.020	0.0	
	AMS03	0.1	NA	0.016	0.0	
	AMS04	0.1	NA	0.013	0.0	
	RT05	0.1	NA	0.011	0.0	
13:30 - 13:45	AMS01	0.1	NA	0.022	0.0	XDD Performing Well Injection. Day lighting near station 5 (outside fence). Slight odor.
	AMS02	3.0	NA	0.015	0.0	
	AMS03	318.0	NA	0.022	0.0	
	AMS04	15.0	NA	0.014	0.0	
	RT05	23.0	NA	0.062	0.0	
14:30 - 14:45	AMS01	6.0	NA	0.012	0.0	XDD Performing Well Injection. Day lighting near station 5 (outside fence). Slight odor. Notified ERM of high PID numbers.
	AMS02	3.0	NA	0.020	0.0	
	AMS03	12.0	NA	0.018	0.0	
	AMS04	170.0	NA	0.032	0.0	
	RT05	2268.0	NA	0.013	0.0	
15:30 - 15:45	AMS01	0.1	NA	0.042	0.0	XDD Performing Well Injection
	AMS02	27.0	NA	0.019	0.0	
	AMS03	0.1	NA	0.014	0.0	
	AMS04	0.1	NA	0.013	0.0	
	RT05	0.1	NA	0.026	0.0	
16:30 - 16:45	AMS01	0.1	NA	0.001	0.0	XDD Flushing Injection Lines
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	DSS
Project Number:	101-275	Date:	11/12/2010			
Time	Location	PID (ppb) Make RAE Systems model: ppbRae Plus	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks
7:30 - 7:45	AMS01	30.0	NA	0.034	0.0	XDD Preparing to Start Well Injection for the Day
	AMS02	169.0	NA	0.037	0.0	
	AMS03	98.0	NA	0.035	0.0	
	AMS04	36.0	NA	0.032	0.0	
	RT05	15.0	NA	0.034	0.0	
8:30 - 8:45	AMS01	12.0	NA	0.024	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.031	0.0	
	AMS03	30.0	NA	0.023	0.0	
	AMS04	0.1	NA	0.027	0.0	
	RT05	203.0	NA	0.131	0.0	
9:30 - 9:45	AMS01	0.1	NA	0.017	0.0	XDD Performing Well Injection.
	AMS02	0.1	NA	0.011	0.0	
	AMS03	21.0	NA	0.015	0.0	
	AMS04	0.1	NA	0.014	0.0	
	RT05	21.0	NA	0.024	0.0	
10:30 - 10:45	AMS01	0.1	NA	0.021	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.012	0.0	
	AMS03	24.0	NA	0.034	0.0	
	AMS04	4.0	NA	0.016	0.0	
	RT05	131.0	NA	0.009	0.0	
11:30 - 11:45	AMS01	9.0	NA	0.019	0.0	XDD Performing Well Injection
	AMS02	15.0	NA	0.031	0.0	
	AMS03	6.0	NA	0.049	0.0	
	AMS04	0.1	NA	0.096	0.0	
	RT05	15.0	NA	0.089	0.0	
12:30 - 12:45	AMS01	8.0	NA	0.016	0.0	XDD Performing Well Injection
	AMS02	6.0	NA	0.042	0.0	
	AMS03	4.0	NA	0.031	0.0	
	AMS04	9.0	NA	0.012	0.0	
	RT05	3.0	NA	0.006	0.0	
13:30 - 13:45	AMS01	0.1	NA	0.017	0.0	XDD Performing Well Injection..
	AMS02	60.0	NA	0.011	0.0	
	AMS03	19.0	NA	0.010	0.0	
	AMS04	0.1	NA	0.010	0.0	
	RT05	226.0	NA	0.089	0.0	
14:30 - 14:45	AMS01	4.0	NA	0.019	0.0	XDD Performing Well Injection. .
	AMS02	0.1	NA	0.026	0.0	
	AMS03	0.1	NA	0.003	0.0	
	AMS04	0.1	NA	0.009	0.0	
	RT05	119.0	NA	0.026	0.0	
15:30 - 15:45	AMS01	28.0	NA	0.013	0.0	XDD Performing Well Injection
	AMS02	2.0	NA	0.013	0.0	
	AMS03	0.1	NA	0.011	0.0	
	AMS04	24.0	NA	0.012	0.0	
	RT05	38.0	NA	0.017	0.0	
16:30 - 16:45	AMS01	0.1	NA	0.001	0.0	XDD Flushing Injection Lines
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	DSS
Project Number:	101-275	Date:	11/13/2010			
Time	Location	PID (ppb) Make RAE Systems model: ppbRae Plus	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks 46F E,SE 7mph 30.09
7:30 - 7:45	AMS01	0.1	NA	0.028	0.0	XDD Preparing to Start Well Injection for the Day
	AMS02	0.1	NA	0.030	0.0	
	AMS03	0.1	NA	0.032	0.0	
	AMS04	288.0	NA	0.033	0.0	
	RT05	0.1	NA	0.031	0.0	
8:30 - 8:45	AMS01	3.0	NA	0.006	0.0	XDD Performing Well Injection
	AMS02	22.0	NA	0.008	0.0	
	AMS03	39.0	NA	0.007	0.0	
	AMS04	6.0	NA	0.007	0.0	
	RT05	4.0	NA	0.006	0.0	
9:30 - 9:45	AMS01	0.1	NA	0.006	0.0	XDD Performing Well Injection.
	AMS02	0.1	NA	0.005	0.0	
	AMS03	85.0	NA	0.008	0.0	
	AMS04	22.0	NA	0.005	0.0	
	RT05	19.0	NA	0.002	0.0	
10:30 - 10:45	AMS01	42.0	NA	0.023	0.0	XDD Performing Well Injection. All exhaust from wells is being plummed into a portable tank
	AMS02	0.1	NA	0.006	0.0	
	AMS03	85.0	NA	0.007	0.0	
	AMS04	0.1	NA	0.006	0.0	
	RT05	0.1	NA	0.007	0.0	
11:30 - 11:45	AMS01	0.1	NA	0.030	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.044	0.0	
	AMS03	45.0	NA	0.006	0.0	
	AMS04	0.1	NA	0.006	0.0	
	RT05	0.1	NA	0.003	0.0	
12:30 - 12:45	AMS01	0.1	NA	0.045	0.0	XDD Performing Well Injection
	AMS02	0.1	NA	0.012	0.0	
	AMS03	62.0	NA	0.003	0.0	
	AMS04	0.1	NA	0.008	0.0	
	RT05	41.0	NA	0.006	0.0	
13:30 - 13:45	AMS01	0.1	NA	0.003	0.0	XDD Performing Well Injection.
	AMS02	1.0	NA	0.008	0.0	
	AMS03	64.0	NA	0.009	0.0	
	AMS04	3.0	NA	0.026	0.0	
	RT05	12.0	NA	0.031	0.0	
14:30 - 14:45	AMS01	0.1	NA	0.007	0.0	XDD Performing Well Injection.
	AMS02	0.1	NA	0.020	0.0	
	AMS03	13.0	NA	0.009	0.0	
	AMS04	1.0	NA	0.011	0.0	
	RT05	14.0	NA	0.006	0.0	
15:30 - 15:45	AMS01	0.1	NA	0.004	0.0	XDD Performing Well Injection
	AMS02	1.0	NA	0.026	0.0	
	AMS03	14.0	NA	0.019	0.0	
	AMS04	41.0	NA	0.042	0.0	
	RT05	36.0	NA	0.039	0.0	
16:30 - 16:45	AMS01	0.1	NA	0.001	0.0	XDD Flushing Injection Lines
	AMS02	0.1	NA	0.001	0.0	
	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	DSS
Project Number:	101-275	Date:	11/15/2010			
Time	Location	PID (ppb)	Portable GC (ppm) Benzene	PM_{10} mg/m3	Odor	Remarks
		Make RAE Systems model: ppbRae Plus	Make PhotoVac Model Voyager I.D. EVKV 350	Make MIE Model pDR-1500 I.D. 5230/Bat 1918		42.1F E,SE 2.4mph 29.27
7:30 - 7:45	AMS01	155.0	NA	0.020	0.0	XDD Preparing to Start Well Injection for the Day
	AMS02	196.0	NA	0.016	0.0	
	AMS03	20.0	NA	0.008	0.0	
	AMS04	41.0	NA	0.005	0.0	
	RT05	71.0	NA	0.015	0.0	
8:30 - 8:45	AMS01	12.0	NA	0.008	0.0	XDD Performing Well Injection
	AMS02	134.0	NA	0.008	0.0	
	AMS03	0.0	NA	0.010	0.0	
	AMS04	50.0	NA	0.009	0.0	
	RT05	29.0	NA	0.009	0.0	
9:30 - 9:45	AMS01	12.0	NA	0.039	0.0	XDD Performing Well Injection.
	AMS02	13.0	NA	0.012	0.0	
	AMS03	1.0	NA	0.009	0.0	
	AMS04	9.0	NA	0.011	0.0	
	RT05	4.0	NA	0.001	0.0	
10:30 - 10:45	AMS01	8.0	NA	0.006	0.0	XDD Performing well injection.
	AMS02	62.0	NA	0.008	0.0	
	AMS03	8.0	NA	0.010	0.0	
	AMS04	12.0	NA	0.007	0.0	
	RT05	87.0	NA	0.016	0.0	
11:30 - 11:45	AMS01	3.0	NA	0.003	0.0	XDD Performing Well Injection
	AMS02	6.0	NA	0.008	0.0	
	AMS03	14.0	NA	0.004	0.0	
	AMS04	281.0	NA	0.006	0.0	
	RT05	59.0	NA	0.003	0.0	
12:30 - 12:45	AMS01	96.0	NA	0.001	0.0	XDD Performing well injection. Daylighting near station 5 (inside fence)
	AMS02	25.0	NA	0.009	0.0	
	AMS03	117.0	NA	0.002	0.0	
	AMS04	188.0	NA	0.007	0.0	
	RT05	108.0	NA	0.009	0.0	
13:30 - 13:45	AMS01	4.0	NA	0.091	0.0	XDD Performing well injection. Daylighting near station 5 (inside fence)
	AMS02	9.0	NA	0.038	0.0	
	AMS03	16.0	NA	0.041	0.0	
	AMS04	38.0	NA	0.019	0.0	
	RT05	0.1	NA	0.003	0.0	
14:30 - 14:45	AMS01	13.0	NA	0.009	0.0	XDD Performing well injection. Daylighting near station 5 (inside fence)
	AMS02	12.0	NA	0.011	0.0	
	AMS03	190.0	NA	0.004	0.0	
	AMS04	8.0	NA	0.061	0.0	
	RT05	42.0	NA	0.011	0.0	
15:30 - 15:45	AMS01	32.0	NA	0.019	0.0	XDD Performing well injection. Daylighting near station 5 (inside fence)
	AMS02	63.0	NA	0.021	0.0	
	AMS03	42.0	NA	0.036	0.0	
	AMS04	74.0	NA	0.012	0.0	
	RT05	83.0	NA	0.039	0.0	
16:30 - 16:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	DSS
Project Number:	101-275	Date:	11/16/2010			
Time	Location	PID (ppb)	Portable GC (ppm) Benzene	PM_{10} mg/m3	Odor	Remarks
		Make RAE Systems model: ppbRae Plus	Make PhotoVac Model Voyager I.D. EVKV 350	Make MIE Model pDR-1500 I.D. 5230/Bat 1918		38F E,SE 3mph 30.04
7:30 - 7:45	AMS01	6.0	NA	0.006	0.0	XDD Preparing to Start Well Injection for the Day
	AMS02	16.0	NA	0.009	0.0	
	AMS03	12.0	NA	0.011	0.0	
	AMS04	8.0	NA	0.012	0.0	
	RT05	4.0	NA	0.009	0.0	
8:30 - 8:45	AMS01	180.0	NA	0.030	0.0	XDD Performing Well Injection
	AMS02	34.0	NA	0.024	0.0	
	AMS03	24.0	NA	0.030	0.0	
	AMS04	141.0	NA	0.038	0.0	
	RT05	63.0	NA	0.033	0.0	
9:30 - 9:45	AMS01	180.0	NA	0.031	0.0	XDD Performing Well Injection.
	AMS02	39.0	NA	0.028	0.0	
	AMS03	46.0	NA	0.001	0.0	
	AMS04	0.0	NA	0.006	0.0	
	RT05	95.0	NA	0.004	0.0	
10:30 - 10:45	AMS01	0.0	NA	0.042	0.0	XDD Performing Well Injection. Daylighting. Burning leaves in park.
	AMS02	63.0	NA	0.036	0.0	
	AMS03	195.0	NA	0.027	0.0	
	AMS04	234.0	NA	0.023	0.0	
	RT05	87.0	NA	0.023	0.0	
11:30 - 11:45	AMS01	146.0	NA	0.019	0.0	XDD Performing Well Injection. Daylighting. Burning leaves in park.
	AMS02	219.0	NA	0.024	0.0	
	AMS03	160.0	NA	0.016	0.0	
	AMS04	82.0	NA	0.024	0.0	
	RT05	39.0	NA	0.036	0.0	
12:30 - 12:45	AMS01	48.0	NA	0.018	0.0	XDD Performing Well Injection. Daylighting. Burning leaves in park.
	AMS02	42.0	NA	0.006	0.0	
	AMS03	164.0	NA	0.004	0.0	
	AMS04	234.0	NA	0.006	0.0	
	RT05	16.0	NA	0.039	0.0	
13:30 - 13:45	AMS01	98.0	NA	0.019	0.0	XDD Performing Well Injection. Daylighting. Burning leaves in park.
	AMS02	46.0	NA	0.064	0.0	
	AMS03	32.0	NA	0.039	0.0	
	AMS04	109.0	NA	0.052	0.0	
	RT05	167.0	NA	0.045	0.0	
14:30 - 14:45	AMS01	102.0	NA	0.051	0.0	XDD Performing Well Injection. Daylighting. Burning leaves in park.
	AMS02	169.0	NA	0.049	0.0	
	AMS03	567.0	NA	0.032	0.0	
	AMS04	892.0	NA	0.041	0.0	
	RT05	28.0	NA	0.006	0.0	
15:30 - 15:45	AMS01	19.0	NA	0.079	0.0	XDD Performing Well Injection. Daylighting. Burning leaves in park.
	AMS02	0.0	NA	0.078	0.0	
	AMS03	161.0	NA	0.011	0.0	
	AMS04	32.0	NA	0.019	0.0	
	RT05	28.0	NA	0.008	0.0	
16:30 - 16:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	DSS
Project Number:	101-275	Date:	11/17/2010			
Time	Location	PID (ppb) Make RAE Systems model: ppbRae Plus	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	PM_{10} mg/m3 Make MIE Model pDR-1500 I.D. 5230/Bat 1918	Odor	Remarks 42.8F E,SE 4.2mph 29.45
7:30 - 7:45	AMS01	527.0	NA	0.039	0.0	XDD Preparing to Start Well Injection for the Day
	AMS02	393.0	NA	0.006	0.0	
	AMS03	12.0	NA	0.019	0.0	
	AMS04	8.0	NA	0.072	0.0	
	RT05	126.0	NA	0.036	0.0	
8:30 - 8:45	AMS01	21.0	NA	0.010	0.0	XDD Performing Well Injection. Burning leaves. Daylighting near station 5 (inside fence).
	AMS02	72.0	NA	0.010	0.0	
	AMS03	36.0	NA	0.019	0.0	
	AMS04	82.0	NA	0.027	0.0	
	RT05	122.0	NA	0.036	0.0	
9:30 - 9:45	AMS01	128.0	NA	0.029	0.0	XDD Performing Well Injection.
	AMS02	139.0	NA	0.031	0.0	
	AMS03	11.0	NA	0.062	0.0	
	AMS04	14.0	NA	0.014	0.0	
	RT05	96.0	NA	0.092	0.0	
10:30 - 10:45	AMS01	326.0	NA	0.019	0.0	XDD Performing Well Injection.
	AMS02	198.0	NA	0.032	0.0	
	AMS03	542.0	NA	0.046	0.0	
	AMS04	29.0	NA	0.091	0.0	
	RT05	108.0	NA	0.081	0.0	
11:30 - 11:45	AMS01	68.0	NA	0.012	0.0	XDD Performing Well Injection
	AMS02	42.0	NA	0.011	0.0	
	AMS03	31.0	NA	0.009	0.0	
	AMS04	68.0	NA	0.080	0.0	
	RT05	64.0	NA	0.091	0.0	
12:30 - 12:45	AMS01	32.0	NA	0.041	0.0	XDD Performing Well Injection
	AMS02	168.0	NA	0.036	0.0	
	AMS03	49.0	NA	0.019	0.0	
	AMS04	104.0	NA	0.009	0.0	
	RT05	362.0	NA	0.008	0.0	
13:30 - 13:45	AMS01	36.0	NA	0.091	0.0	XDD Performing Well Injection.
	AMS02	82.0	NA	0.060	0.0	
	AMS03	21.0	NA	0.039	0.0	
	AMS04	39.0	NA	0.012	0.0	
	RT05	562.0	NA	0.011	0.0	
14:30 - 14:45	AMS01	82.0	NA	0.085	0.0	XDD Performing Well Injection.
	AMS02	21.0	NA	0.009	0.0	
	AMS03	19.0	NA	0.011	0.0	
	AMS04	362.0	NA	0.049	0.0	
	RT05	401.0	NA	0.036	0.0	
15:30 - 15:45	AMS01	16.0	NA	0.026	0.0	XDD Performing Well Injection
	AMS02	6.0	NA	0.020	0.0	
	AMS03	36.0	NA	0.025	0.0	
	AMS04	23.0	NA	0.023	0.0	
	RT05	26.0	NA	0.022	0.0	
16:30 - 16:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
17:30 - 17:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
18:30 - 18:45	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Clinton	Location:	Taylorville, IL		Sampler:	David Staley
Project Number:	Project #:	Date:	3/16/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5284	Odor	Remarks
7:30 - 7:40	AMS01	NA	N/A	NA		No site activity.
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		
8:30 - 8:40	AMS01	NA	N/A	NA		No site activity.
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		
9:30 - 9:40	AMS01	NA	N/A	NA		No site activity.
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		
10:30 - 10:40	AMS01	NA	N/A	NA		No site activity.
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		
11:30 - 11:40	AMS01	NA	N/A	NA		No site activity.
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		
12:30 - 12:40	AMS01	NA	N/A	NA		No site activity.
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		
13:30 - 13:40	AMS01	NA	N/A	NA		No site activity.
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		
14:30 - 14:40	AMS01	13.0	N/A	0.001		XDD injecting peroxide solution
	AMS02	17.0	N/A	0.001		
	AMS03	21.0	N/A	0.001		
	AMS04	87.0	N/A	0.001		
	RT05	34.0	N/A	0.001		
15:30 - 15:40	AMS01	12.0	N/A	0.001		XDD injecting peroxide solution
	AMS02	232.0	N/A	0.001		
	AMS03	41.0	N/A	0.001		
	AMS04	96.0	N/A	0.001		
	RT05	85.0	N/A	0.001		
16:30 - 16:40	AMS01	12.0	N/A	0.001		XDD injecting peroxide solution
	AMS02	6.0	N/A	0.001		
	AMS03	13.0	N/A	0.001		
	AMS04	12.0	N/A	0.001		
	RT05	56.0	N/A	0.001		
17:30 - 17:40	AMS01	11.0	N/A	0.001		XDD injecting peroxide solution
	AMS02	19.0	N/A	0.001		
	AMS03	15.0	N/A	0.001		
	AMS04	17.0	N/A	0.001		
	RT05	83.0	N/A	0.001		

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Clinton	Location:	Taylorville, IL		Sampler:	David Staley
Project Number:	Project #:	Date:	3/17/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5284	Odor	Remarks
7:30 - 7:40	AMS01	13.0	N/A	0.021		No site activity.
	AMS02	12.0	N/A	0.019		
	AMS03	15.0	N/A	0.006		
	AMS04	63.0	N/A	0.032		
	RT05	45.0	N/A	0.021		
8:30 - 8:40	AMS01	65.0	N/A	0.032		XDD injecting peroxide solulion
	AMS02	45.0	N/A	0.061		
	AMS03	63.0	N/A	0.031		
	AMS04	34.0	N/A	0.004		
	RT05	12.0	N/A	0.039		
9:30 - 9:40	AMS01	13.0	N/A	0.091		XDD injecting peroxide solulion
	AMS02	25.0	N/A	0.036		
	AMS03	37.0	N/A	0.023		
	AMS04	98.0	N/A	0.041		
	RT05	46.0	N/A	0.023		
10:30 - 10:40	AMS01	13.0	N/A	0.041		XDD injecting peroxide solulion
	AMS02	54.0	N/A	0.023		
	AMS03	65.0	N/A	0.015		
	AMS04	256.0	N/A	0.024		
	RT05	75.0	N/A	0.011		
11:30 - 11:40	AMS01	26.0	N/A	0.032		XDD injecting peroxide solulion
	AMS02	87.0	N/A	0.061		
	AMS03	92.0	N/A	0.044		
	AMS04	62.0	N/A	0.011		
	RT05	36.0	N/A	0.032		
12:30 - 12:40	AMS01	92.0	N/A	0.024		XDD injecting peroxide solulion
	AMS02	34.0	N/A	0.011		
	AMS03	65.0	N/A	0.021		
	AMS04	34.0	N/A	0.023		
	RT05	56.0	N/A	0.034		
13:30 - 13:40	AMS01	32.0	N/A	0.056		XDD injecting peroxide solulion
	AMS02	62.0	N/A	0.093		
	AMS03	73.0	N/A	0.051		
	AMS04	23.0	N/A	0.012		
	RT05	45.0	N/A	0.089		
14:30 - 14:40	AMS01	17.0	N/A	0.023		XDD injecting peroxide solulion
	AMS02	98.0	N/A	0.056		
	AMS03	45.0	N/A	0.032		
	AMS04	34.0	N/A	0.019		
	RT05	25.0	N/A	0.017		
15:30 - 15:40	AMS01	12.0	N/A	0.045		XDD injecting peroxide solulion
	AMS02	18.0	N/A	0.021		
	AMS03	93.0	N/A	0.056		
	AMS04	48.0	N/A	0.023		
	RT05	75.0	N/A	0.031		
16:30 - 16:40	AMS01	15.0	N/A	0.015		XDD injecting peroxide solulion
	AMS02	26.0	N/A	0.023		
	AMS03	84.0	N/A	0.019		
	AMS04	68.0	N/A	0.018		
	RT05	45.0	N/A	0.016		
17:30 - 17:40	AMS01	37.0	N/A	0.023		XDD injecting peroxide solulion
	AMS02	35.0	N/A	0.041		
	AMS03	73.0	N/A	0.032		
	AMS04	57.0	N/A	0.012		
	RT05	35.0	N/A	0.008		

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Clinton	Location:	Taylorville, IL		Sampler:	David Staley
Project Number:	Project #:	Date:	3/18/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5284	Odor	Remarks
7:30 - 7:40	AMS01	74.0	N/A	0.011		No site activity.
	AMS02	74.0	N/A	0.011		
	AMS03	75.0	N/A	0.061		
	AMS04	45.0	N/A	0.032		
	RT05	64.0	N/A	0.067		
8:30 - 8:40	AMS01	34.0	N/A	0.015		XDD injecting peroxide solulion
	AMS02	56.0	N/A	0.015		
	AMS03	545.0	N/A	0.026		
	AMS04	3.0	N/A	0.012		
	RT05	26.0	N/A	0.034		
9:30 - 9:40	AMS01	65.0	N/A	0.009		XDD injecting peroxide solulion
	AMS02	34.0	N/A	0.001		
	AMS03	67.0	N/A	0.016		
	AMS04	74.0	N/A	0.032		
	RT05	26.0	N/A	0.059		
10:30 - 10:40	AMS01	85.0	N/A	0.032		XDD injecting peroxide solulion
	AMS02	74.0	N/A	0.046		
	AMS03	45.0	N/A	0.012		
	AMS04	36.0	N/A	0.081		
	RT05	176.0	N/A	0.001		
11:30 - 11:40	AMS01	73.0	N/A	0.002		XDD injecting peroxide solulion
	AMS02	25.0	N/A	0.016		
	AMS03	36.0	N/A	0.014		
	AMS04	65.0	N/A	0.029		
	RT05	27.0	N/A	0.046		
12:30 - 12:40	AMS01	64.0	N/A	0.032		XDD injecting peroxide solulion. Daylighting
	AMS02	23.0	N/A	0.019		
	AMS03	84.0	N/A	0.014		
	AMS04	64.0	N/A	0.029		
	RT05	32.0	N/A	0.026		
13:30 - 13:40	AMS01	41.0	N/A	0.041		XDD injecting peroxide solulion
	AMS02	62.0	N/A	0.026		
	AMS03	36.0	N/A	0.028		
	AMS04	25.0	N/A	0.014		
	RT05	15.0	N/A	0.019		
14:30 - 14:40	AMS01	34.0	N/A	0.032		XDD injecting peroxide solulion. Daylighting
	AMS02	65.0	N/A	0.041		
	AMS03	34.0	N/A	0.061		
	AMS04	39.0	N/A	0.013		
	RT05	17.0	N/A	0.024		
15:30 - 15:40	AMS01	72.0	N/A	0.019		XDD injecting peroxide solulion. Daylighting
	AMS02	34.0	N/A	0.082		
	AMS03	25.0	N/A	0.091		
	AMS04	83.0	N/A	0.036		
	RT05	47.0	N/A	0.019		
16:30 - 16:40	AMS01	13.0	N/A	0.024		XDD injecting peroxide solulion. Daylighting
	AMS02	47.0	N/A	0.009		
	AMS03	26.0	N/A	0.012		
	AMS04	16.0	N/A	0.012		
	RT05	13.0	N/A	0.002		
17:30 - 17:40	AMS01	NA	N/A	NA		XDD injecting peroxide solulion. Daylighting
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Clinton	Location:	Taylorville, IL		Sampler:	David Staley
Project Number:	Project #:	Date:	3/19/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5284	Odor	Remarks
7:30 - 7:40	AMS01	85.0	N/A	0.031		No site activity.
	AMS02	26.0	N/A	0.042		
	AMS03	87.0	N/A	0.091		
	AMS04	35.0	N/A	0.002		
	RT05	27.0	N/A	0.016		
8:30 - 8:40	AMS01	26.0	N/A	0.042		XDD injecting peroxide solution
	AMS02	94.0	N/A	0.036		
	AMS03	84.0	N/A	0.013		
	AMS04	3.0	N/A	0.014		
	RT05	73.0	N/A	0.032		
9:30 - 9:40	AMS01	32.0	N/A	0.013		XDD injecting peroxide solution. Daylighting
	AMS02	65.0	N/A	0.046		
	AMS03	74.0	N/A	0.032		
	AMS04	26.0	N/A	0.013		
	RT05	84.0	N/A	0.006		
10:30 - 10:40	AMS01	34.0	N/A	0.021		XDD injecting peroxide solution. Daylighting
	AMS02	75.0	N/A	0.025		
	AMS03	23.0	N/A	0.016		
	AMS04	94.0	N/A	0.036		
	RT05	28.0	N/A	0.042		
11:30 - 11:40	AMS01	23.0	N/A	0.006		XDD injecting peroxide solution. Daylighting
	AMS02	45.0	N/A	0.036		
	AMS03	87.0	N/A	0.042		
	AMS04	85.0	N/A	0.019		
	RT05	27.0	N/A	0.014		
12:30 - 12:40	AMS01	85.0	N/A	0.021		XDD injecting peroxide solution. Daylighting
	AMS02	56.0	N/A	0.025		
	AMS03	84.0	N/A	0.016		
	AMS04	16.0	N/A	0.014		
	RT05	45.0	N/A	0.032		
13:30 - 13:40	AMS01	65.0	N/A	0.021		XDD injecting peroxide solution. Daylighting
	AMS02	34.0	N/A	0.048		
	AMS03	85.0	N/A	0.012		
	AMS04	93.0	N/A	0.001		
	RT05	17.0	N/A	0.023		
14:30 - 14:40	AMS01	34.0	N/A	0.014		XDD injecting peroxide solution. Daylighting
	AMS02	85.0	N/A	0.025		
	AMS03	74.0	N/A	0.087		
	AMS04	34.0	N/A	0.012		
	RT05	75.0	N/A	0.014		
15:30 - 15:40	AMS01	4.0	N/A	0.039		XDD injecting peroxide solution. Daylighting
	AMS02	26.0	N/A	0.012		
	AMS03	84.0	N/A	0.004		
	AMS04	74.0	N/A	0.012		
	RT05	63.0	N/A	0.006		
16:30 - 16:40	AMS01	12.0	N/A	0.012		XDD injecting peroxide solution. Daylighting
	AMS02	81.0	N/A	0.025		
	AMS03	34.0	N/A	0.026		
	AMS04	74.0	N/A	0.009		
	RT05	15.0	N/A	0.011		
17:30 - 17:40	AMS01	NA	N/A	NA		XDD injecting peroxide solution. Daylighting
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Clinton	Location:	Taylorville, IL		Sampler:	David Staley
Project Number:	Project #:	Date:	3/21/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5284	Odor	Remarks
7:30 - 7:40	AMS01	36.0	N/A	0.019		No site activity.
	AMS02	74.0	N/A	0.026		
	AMS03	54.0	N/A	0.016		
	AMS04	23.0	N/A	0.034		
	RT05	14.0	N/A	0.020		
8:30 - 8:40	AMS01	24.0	N/A	0.012		XDD injecting peroxide solution
	AMS02	36.0	N/A	0.015		
	AMS03	74.0	N/A	0.026		
	AMS04	63.0	N/A	0.013		
	RT05	15.0	N/A	0.026		
9:30 - 9:40	AMS01	36.0	N/A	0.025		XDD injecting peroxide solution. Daylighting
	AMS02	76.0	N/A	0.031		
	AMS03	85.0	N/A	0.034		
	AMS04	25.0	N/A	0.092		
	RT05	36.0	N/A	0.024		
10:30 - 10:40	AMS01	85.0	N/A	0.013		XDD injecting peroxide solution. Daylighting
	AMS02	74.0	N/A	0.026		
	AMS03	62.0	N/A	0.012		
	AMS04	43.0	N/A	0.034		
	RT05	21.0	N/A	0.002		
11:30 - 11:40	AMS01	64.0	N/A	0.023		XDD injecting peroxide solution. Daylighting
	AMS02	46.0	N/A	0.085		
	AMS03	96.0	N/A	0.071		
	AMS04	84.0	N/A	0.026		
	RT05	26.0	N/A	0.031		
12:30 - 12:40	AMS01	65.0	N/A	0.042		XDD injecting peroxide solution. Daylighting
	AMS02	37.0	N/A	0.031		
	AMS03	95.0	N/A	0.042		
	AMS04	27.0	N/A	0.023		
	RT05	83.0	N/A	0.011		
13:30 - 13:40	AMS01	73.0	N/A	0.023		XDD injecting peroxide solution. Daylighting
	AMS02	26.0	N/A	0.031		
	AMS03	25.0	N/A	0.086		
	AMS04	74.0	N/A	0.067		
	RT05	26.0	N/A	0.061		
14:30 - 14:40	AMS01	75.0	N/A	0.024		XDD injecting peroxide solution. Daylighting
	AMS02	36.0	N/A	0.011		
	AMS03	95.0	N/A	0.013		
	AMS04	84.0	N/A	0.001		
	RT05	26.0	N/A	0.003		
15:30 - 15:40	AMS01	76.0	N/A	0.021		XDD injecting peroxide solution. Daylighting
	AMS02	34.0	N/A	0.003		
	AMS03	45.0	N/A	0.003		
	AMS04	84.0	N/A	0.021		
	RT05	63.0	N/A	0.041		
16:30 - 16:40	AMS01	34.0	N/A	0.032		XDD injecting peroxide solution.
	AMS02	78.0	N/A	0.012		
	AMS03	45.0	N/A	0.002		
	AMS04	74.0	N/A	0.043		
	RT05	52.0	N/A	0.001		
17:30 - 17:40	AMS01	NA	N/A	NA		XDD injecting peroxide solution. Daylighting
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Clinton	Location:	Taylorville, IL		Sampler:	David Staley
Project Number:	Project #:	Date:	3/22/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5284	Odor	Remarks
7:30 - 7:40	AMS01	25.0	N/A	0.021		No site activity.
	AMS02	73.0	N/A	0.036		
	AMS03	45.0	N/A	0.042		
	AMS04	64.0	N/A	0.021		
	RT05	24.0	N/A	0.063		
8:30 - 8:40	AMS01	62.0	N/A	0.021		XDD injecting peroxide solulion
	AMS02	74.0	N/A	0.036		
	AMS03	56.0	N/A	0.048		
	AMS04	75.0	N/A	0.081		
	RT05	35.0	N/A	0.026		
9:30 - 9:40	AMS01	26.0	N/A	0.063		XDD injecting peroxide solulion. Daylighting
	AMS02	85.0	N/A	0.024		
	AMS03	53.0	N/A	0.023		
	AMS04	57.0	N/A	0.026		
	RT05	45.0	N/A	0.011		
10:30 - 10:40	AMS01	25.0	N/A	0.013		XDD injecting peroxide solulion. Daylighting
	AMS02	64.0	N/A	0.024		
	AMS03	75.0	N/A	0.061		
	AMS04	96.0	N/A	0.048		
	RT05	36.0	N/A	0.023		
11:30 - 11:40	AMS01	25.0	N/A	0.026		XDD injecting peroxide solulion. Daylighting
	AMS02	47.0	N/A	0.071		
	AMS03	85.0	N/A	0.041		
	AMS04	35.0	N/A	0.023		
	RT05	78.0	N/A	0.014		
12:30 - 12:40	AMS01	14.0	N/A	0.011		XDD injecting peroxide solulion.
	AMS02	63.0	N/A	0.013		
	AMS03	75.0	N/A	0.021		
	AMS04	70.0	N/A	0.062		
	RT05	83.0	N/A	0.014		
13:30 - 13:40	AMS01	25.0	N/A	0.002		XDD injecting peroxide solulion.
	AMS02	74.0	N/A	0.011		
	AMS03	36.0	N/A	0.023		
	AMS04	98.0	N/A	0.014		
	RT05	36.0	N/A	0.013		
14:30 - 14:40	AMS01	85.0	N/A	0.026		XDD injecting peroxide solulion.
	AMS02	7.0	N/A	0.081		
	AMS03	36.0	N/A	0.021		
	AMS04	47.0	N/A	0.014		
	RT05	25.0	N/A	0.036		
15:30 - 15:40	AMS01	75.0	N/A	0.021		XDD injecting peroxide solulion.
	AMS02	86.0	N/A	0.026		
	AMS03	46.0	N/A	0.023		
	AMS04	24.0	N/A	0.011		
	RT05	64.0	N/A	0.021		
16:30 - 16:40	AMS01	96.0	N/A	0.021		XDD injecting peroxide solulion.
	AMS02	25.0	N/A	0.023		
	AMS03	67.0	N/A	0.011		
	AMS04	25.0	N/A	0.012		
	RT05	63.0	N/A	0.011		
17:30 - 17:40	AMS01	NA	N/A	NA		XDD injecting peroxide solulion.
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		
	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Clinton	Location:	Taylorville, IL		Sampler:	David Staley
Project Number:	Project #:	Date:	3/23/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5284	Odor	Remarks
7:30 - 7:40	AMS01	74.0	N/A	0.031		No site activity.
	AMS02	25.0	N/A	0.024		
	AMS03	76.0	N/A	0.037		
	AMS04	25.0	N/A	0.023		
	RT05	84.0	N/A	0.013		
8:30 - 8:40	AMS01	74.0	N/A	0.024		XDD injecting peroxide solulion
	AMS02	25.0	N/A	0.012		
	AMS03	36.0	N/A	0.041		
	AMS04	85.0	N/A	0.023		
	RT05	74.0	N/A	0.041		
9:30 - 9:40	AMS01	25.0	N/A	0.001		XDD injecting peroxide solulion.
	AMS02	83.0	N/A	0.001		
	AMS03	74.0	N/A	0.014		
	AMS04	36.0	N/A	0.011		
	RT05	36.0	N/A	0.023		
10:30 - 10:40	AMS01	74.0	N/A	0.012		XDD injecting peroxide solulion.
	AMS02	63.0	N/A	0.015		
	AMS03	25.0	N/A	0.016		
	AMS04	63.0	N/A	0.016		
	RT05	25.0	N/A	0.024		
11:30 - 11:40	AMS01	62.0	N/A	0.031		XDD injecting peroxide solulion.
	AMS02	42.0	N/A	0.024		
	AMS03	63.0	N/A	0.011		
	AMS04	63.0	N/A	0.024		
	RT05	25.0	N/A	0.031		
12:30 - 12:40	AMS01	0.0	N/A	0.003	0	XDD injecting peroxide solulion.
	AMS02	0.0	N/A	0.007	0	
	AMS03	0.0	N/A	0.004	0	
	AMS04	0.0	N/A	0.004	0	
	RT05	125.0	N/A	0.010	1	
		0.0				
13:30 - 13:40	AMS01	0.0	N/A	0.001	0	XDD injecting peroxide solulion.
	AMS02	0.0	N/A	0.008	0	
	AMS03	0.0	N/A	0.005	0	
	AMS04	0.0	N/A	0.006	0	
	RT05	251.0	N/A	0.010	1	
						Finished at 13:45

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	9/27/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	N/A	N/A	N/A	N/A	XDD Finishing Setup
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
8:30 - 8:40	AMS01	N/A	N/A	N/A	N/A	XDD Finishing Setup
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
9:30 - 9:40	AMS01	N/A	N/A	N/A	N/A	XDD Finishing Setup
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
10:30 - 10:40	AMS01	N/A	N/A	N/A	N/A	XDD Finishing Setup
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
11:30 - 11:40	AMS01	N/A	N/A	N/A	N/A	XDD Finishing Setup
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
12:30 - 13:40	AMS01	N/A	N/A	N/A	N/A	XDD Finishing Setup
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
13:30 - 13:40	AMS01	N/A	N/A	N/A	N/A	XDD Finishing Setup
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
14:30-14:40	AMS01	6.0	N/A	0.030	0	XDD Performing Pressure Check and Leak Check On System
	Ams02	0.0	N/A	0.006	0	
	AMS03	6.0	N/A	0.004	0	
	AMS04	6.0	N/A	0.011	0	
	RT05	16.0	N/A	0.009	0	
15:30-15:40	AMS01	3.0	N/A	0.008	0	XDD Repairing System, Will Begin Injecting Tomorrow Morning
	AMS02	0.0	N/A	0.010	0	
	AMS03	9.0	N/A	0.009	0	
	AMS04	3.0	N/A	0.021	0	
	RT05	0.0	N/A	0.010	0	
16:30-16:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	9/28/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	45.0	N/A	0.008	0	XDD Perparing to Startup Injection
	AMS02	71.0	N/A	0.013	0	
	AMS03	65.0	N/A	0.012	0	
	AMS04	74.0	N/A	0.015	0	
	RT05	62.0	N/A	0.011	0	
8:30 - 8:40	AMS01	71.0	N/A	0.020	0	XDD Injecting Wells
	AMS02	39.0	N/A	0.018	0	
	AMS03	45.0	N/A	0.018	0	
	AMS04	58.0	N/A	0.025	0	
	RT05	24.0	N/A	0.024	0	
9:30 - 9:40	AMS01	68.0	N/A	0.015	0	XDD Injecting Wells
	AMS02	52.0	N/A	0.011	0	
	AMS03	55.0	N/A	0.013	0	
	AMS04	52.0	N/A	0.016	0	
	RT05	48.0	N/A	0.010	0	
10:30 - 10:40	AMS01	71.0	N/A	0.006	0	XDD Injecting Wells
	AMS02	55.0	N/A	0.006	0	
	AMS03	43.0	N/A	0.004	0	
	AMS04	67.0	N/A	0.009	0	
	RT05	58.0	N/A	0.014	0	
11:30 - 11:40	AMS01	58.0	N/A	0.007	0	XDD Injecting Wells, Daylighting Occuring Near Rt05 Monitored Area for 15min. Highest Reading was 124ppb
	AMS02	54.0	N/A	0.005	0	
	AMS03	58.0	N/A	0.004	0	
	AMS04	63.0	N/A	0.006	0	
	RT05	52.0	N/A	0.004	0	
12:30 - 13:40	AMS01	68.0	N/A	0.002	0	XDD Injecting Wells
	AMS02	65.0	N/A	0.005	0	
	AMS03	52.0	N/A	0.004	0	
	AMS04	74.0	N/A	0.001	0	
	RT05	153.0	N/A	0.003	0	
13:30 - 13:40	AMS01	58.0	N/A	0.025	0	XDD Injecting Wells
	AMS02	68.0	N/A	0.007	0	
	AMS03	74.0	N/A	0.005	0	
	AMS04	64.0	N/A	0.011	0	
	RT05	61.0	N/A	0.008	0	
14:30-14:40	AMS01	42.0	N/A	0.007	0	XDD Injecting Wells
	Ams02	35.0	N/A	0.003	0	
	AMS03	48.0	N/A	0.014	0	
	AMS04	58.0	N/A	0.002	0	
	RT05	61.0	N/A	0.003	0	
15:30-15:40	AMS01	48.0	N/A	0.017	0	XDD Injecting Wells, Brett Had Me Take Reading Inside the Well Area Because od Daylighting, Highest Reading Was 354ppb
	AMS02	61.0	N/A	0.004	0	
	AMS03	46.0	N/A	0.013	0	
	AMS04	65.0	N/A	0.009	0	
	RT05	159.0	N/A	0.008	0	
16:30-16:40	AMS01	52.0	N/A	0.004	0	XDD Flushing Water Through System
	AMS02	48.0	N/A	0.023	0	
	AMS03	32.0	N/A	0.006	0	
	AMS04	65.0	N/A	0.006	0	
	RT05	96.0	N/A	0.003	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	9/29/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	1.0	N/A	0.010	0	XDD Perparing to Startup Injection
	AMS02	1.0	N/A	0.011	0	
	AMS03	1.0	N/A	0.014	0	
	AMS04	1.0	N/A	0.013	0	
	RT05	1.0	N/A	0.013	0	
8:30 - 8:40	AMS01	1.0	N/A	0.014	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.019	0	
	AMS03	1.0	N/A	0.015	0	
	AMS04	1.0	N/A	0.009	0	
	RT05	1.0	N/A	0.016	0	
9:30 - 9:40	AMS01	1.0	N/A	0.006	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.009	0	
	AMS03	1.0	N/A	0.004	0	
	AMS04	1.0	N/A	0.007	0	
	RT05	1.0	N/A	0.010	0	
10:30 - 10:40	AMS01	1.0	N/A	0.012	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.010	0	
	AMS03	1.0	N/A	0.010	0	
	AMS04	1.0	N/A	0.014	0	
	RT05	1.0	N/A	0.015	0	
11:30 - 11:40	AMS01	1.0	N/A	0.007	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.011	0	
	AMS03	1.0	N/A	0.010	0	
	AMS04	1.0	N/A	0.016	0	
	RT05	1.0	N/A	0.012	0	
12:30 - 13:40	AMS01	1.0	N/A	0.014	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.009	0	
	AMS03	1.0	N/A	0.018	0	
	AMS04	1.0	N/A	0.008	0	
	RT05	9.0	N/A	0.012	0	
13:30 - 13:40	AMS01	1.0	N/A	0.008	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.014	0	
	AMS03	1.0	N/A	0.007	0	
	AMS04	1.0	N/A	0.015	0	
	RT05	68.0	N/A	0.008	0	
14:30-14:40	AMS01	1.0	N/A	0.011	0	XDD Injecting Wells
	Ams02	1.0	N/A	0.016	0	
	AMS03	1.0	N/A	0.025	0	
	AMS04	1.0	N/A	0.005	0	
	RT05	13.0	N/A	0.006	0	
15:30-15:40	AMS01	1.0	N/A	0.021	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.003	0	
	AMS03	1.0	N/A	0.006	0	
	AMS04	1.0	N/A	0.002	0	
	RT05	1.0	N/A	0.005	0	
16:30-16:40	AMS01	1.0	N/A	0.006	0	XDD Flushing Water Through System
	AMS02	1.0	N/A	0.002	0	
	AMS03	1.0	N/A	0.010	0	
	AMS04	1.0	N/A	0.001	0	
	RT05	1.0	N/A	0.003	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	9/30/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	1.0	N/A	0.012	0	XDD Perparing to Startup Injection
	AMS02	5.0	N/A	0.005	0	
	AMS03	1.0	N/A	0.013	0	
	AMS04	1.0	N/A	0.010	0	
	RT05	14.0	N/A	0.007	0	
8:30 - 8:40	AMS01	1.0	N/A	0.016	0	XDD Injecting Wells
	AMS02	19.0	N/A	0.012	0	
	AMS03	1.0	N/A	0.005	0	
	AMS04	1.0	N/A	0.007	0	
	RT05	12.0	N/A	0.004	0	
9:30 - 9:40	AMS01	1.0	N/A	0.008	0	XDD Injecting Wells
	AMS02	6.0	N/A	0.003	0	
	AMS03	1.0	N/A	0.020	0	
	AMS04	1.0	N/A	0.003	0	
	RT05	1.0	N/A	0.005	0	
10:30 - 10:40	AMS01	1.0	N/A	0.007	0	XDD Injecting Wells
	AMS02	9.0	N/A	0.005	0	
	AMS03	1.0	N/A	0.006	0	
	AMS04	1.0	N/A	0.007	0	
	RT05	54.0	N/A	0.010	0	
11:30 - 11:40	AMS01	1.0	N/A	0.018	0	XDD Injecting Wells
	AMS02	19.0	N/A	0.005	0	
	AMS03	1.0	N/A	0.003	0	
	AMS04	1.0	N/A	0.002	0	
	RT05	12.0	N/A	0.006	0	
12:30 - 13:40	AMS01	1.0	N/A	0.026	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.008	0	
	AMS03	1.0	N/A	0.008	0	
	AMS04	1.0	N/A	0.004	0	
	RT05	25.0	N/A	0.003	0	
13:30 - 13:40	AMS01	1.0	N/A	0.001	0	XDD Injecting Wells
	AMS02	41.0	N/A	0.008	0	
	AMS03	1.0	N/A	0.014	0	
	AMS04	1.0	N/A	0.006	0	
	RT05	57.0	N/A	0.001	0	
14:30-14:40	AMS01	1.0	N/A	0.010	0	XDD Injecting Wells
	Ams02	35.0	N/A	0.011	0	
	AMS03	1.0	N/A	0.002	0	
	AMS04	1.0	N/A	0.005	0	
	RT05	63.0	N/A	0.001	0	
15:30-15:40	AMS01	1.0	N/A	0.012	0	XDD Injecting Wells
	AMS02	9.0	N/A	0.005	0	
	AMS03	1.0	N/A	0.009	0	
	AMS04	1.0	N/A	0.017	0	
	RT05	143.0	N/A	0.019	0	
16:30-16:40	AMS01	1.0	N/A	0.017	0	XDD Flushing Water Through System
	AMS02	1.0	N/A	0.009	0	
	AMS03	1.0	N/A	0.021	0	
	AMS04	1.0	N/A	0.002	0	
	RT05	63.0	N/A	0.003	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	10/1/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	1.0	N/A	0.009	0	XDD Perparing to Startup Injection
	AMS02	1.0	N/A	0.004	0	
	AMS03	1.0	N/A	0.010	0	
	AMS04	1.0	N/A	0.003	0	
	RT05	1.0	N/A	0.006	0	
8:30 - 8:40	AMS01	1.0	N/A	0.005	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.001	0	
	AMS03	1.0	N/A	0.008	0	
	AMS04	1.0	N/A	0.001	0	
	RT05	1.0	N/A	0.004	0	
9:30 - 9:40	AMS01	1.0	N/A	0.003	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.003	0	
	AMS03	1.0	N/A	0.004	0	
	AMS04	1.0	N/A	0.001	0	
	RT05	1.0	N/A	0.011	0	
10:30 - 10:40	AMS01	1.0	N/A	0.006	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.002	0	
	AMS03	1.0	N/A	0.001	0	
	AMS04	1.0	N/A	0.003	0	
	RT05	1.0	N/A	0.005	0	
11:30 - 11:40	AMS01	1.0	N/A	0.001	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.001	0	
	AMS03	1.0	N/A	0.002	0	
	AMS04	1.0	N/A	0.009	0	
	RT05	1.0	N/A	0.001	0	
12:30 - 13:40	AMS01	1.0	N/A	0.013	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.004	0	
	AMS03	1.0	N/A	0.001	0	
	AMS04	1.0	N/A	0.002	0	
	RT05	1.0	N/A	0.007	0	
13:30 - 13:40	AMS01	1.0	N/A	0.001	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.007	0	
	AMS03	1.0	N/A	0.001	0	
	AMS04	1.0	N/A	0.003	0	
	RT05	1.0	N/A	0.002	0	
14:30-14:40	AMS01	1.0	N/A	0.001	0	XDD Injecting Wells
	Ams02	1.0	N/A	0.001	0	
	AMS03	1.0	N/A	0.002	0	
	AMS04	1.0	N/A	0.008	0	
	RT05	1.0	N/A	0.004	0	
15:30-15:40	AMS01	1.0	N/A	0.003	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.008	0	
	AMS03	1.0	N/A	0.004	0	
	AMS04	1.0	N/A	0.011	0	
	RT05	1.0	N/A	0.016	0	
16:30-16:40	AMS01	1.0	N/A	0.012	0	XDD Flushing Water Through System
	AMS02	1.0	N/A	0.004	0	
	AMS03	1.0	N/A	0.002	0	
	AMS04	1.0	N/A	0.010	0	
	RT05	1.0	N/A	0.001	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	10/3/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	1.0	N/A	0.001	0	XDD Perparing to Startup Injection
	AMS02	1.0	N/A	0.001	0	
	AMS03	1.0	N/A	0.004	0	
	AMS04	1.0	N/A	0.006	0	
	RT05	1.0	N/A	0.003	0	
8:30 - 8:40	AMS01	1.0	N/A	0.015	0	XDD Injecting Wells
	AMS02	6.0	N/A	0.005	0	
	AMS03	12.0	N/A	0.027	0	
	AMS04	1.0	N/A	0.020	0	
	RT05	140.0	N/A	0.004	0	
9:30 - 9:40	AMS01	1.0	N/A	0.008	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.007	0	
	AMS03	1.0	N/A	0.020	0	
	AMS04	1.0	N/A	0.028	0	
	RT05	108.0	N/A	0.007	0	
10:30 - 10:40	AMS01	1.0	N/A	0.012	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.008	0	
	AMS03	1.0	N/A	0.054	0	
	AMS04	1.0	N/A	0.009	0	
	RT05	52.0	N/A	0.006	0	
11:30 - 11:40	AMS01	1.0	N/A	0.006	0	XDD Injecting Wells
	AMS02	33.0	N/A	0.005	0	
	AMS03	67.0	N/A	0.011	0	
	AMS04	1.0	N/A	0.002	0	
	RT05	27.0	N/A	0.012	0	
12:30 - 13:40	AMS01	1.0	N/A	0.021	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.010	0	
	AMS03	1.0	N/A	0.015	0	
	AMS04	1.0	N/A	0.004	0	
	RT05	67.0	N/A	0.008	0	
13:30 - 13:40	AMS01	1.0	N/A	0.006	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.010	0	
	AMS03	1.0	N/A	0.003	0	
	AMS04	1.0	N/A	0.025	0	
	RT05	150.0	N/A	0.009	0	
14:30-14:40	AMS01	1.0	N/A	0.002	0	XDD Injecting Wells
	Ams02	6.0	N/A	0.003	0	
	AMS03	1.0	N/A	0.028	0	
	AMS04	1.0	N/A	0.009	0	
	RT05	12.0	N/A	0.027	0	
15:30-15:40	AMS01	1.0	N/A	0.009	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.010	0	
	AMS03	1.0	N/A	0.048	0	
	AMS04	1.0	N/A	0.006	0	
	RT05	108.0	N/A	0.006	0	
16:30-16:40	AMS01	1.0	N/A	0.008	0	XDD Flushing Water Through System
	AMS02	1.0	N/A	0.011	0	
	AMS03	6.0	N/A	0.008	0	
	AMS04	1.0	N/A	0.008	0	
	RT05	186.0	N/A	0.012	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	10/4/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	1.0	N/A	0.006	0	XDD Perparing to Startup Injection
	AMS02	1.0	N/A	0.002	0	
	AMS03	1.0	N/A	0.009	0	
	AMS04	1.0	N/A	0.010	0	
	RT05	1.0	N/A	0.004	0	
8:30 - 8:40	AMS01	1.0	N/A	0.015	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.017	0	
	AMS03	1.0	N/A	0.020	0	
	AMS04	1.0	N/A	0.013	0	
	RT05	6.0	N/A	0.012	0	
9:30 - 9:40	AMS01	1.0	N/A	0.008	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.012	0	
	AMS03	1.0	N/A	0.016	0	
	AMS04	1.0	N/A	0.010	0	
	RT05	1.0	N/A	0.014	0	
10:30 - 10:40	AMS01	1.0	N/A	0.022	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.041	0	
	AMS03	56.0	N/A	0.018	0	
	AMS04	1.0	N/A	0.015	0	
	RT05	1.0	N/A	0.009	0	
11:30 - 11:40	AMS01	1.0	N/A	0.013	0	XDD Injecting Wells
	AMS02	135.0	N/A	0.015	0	
	AMS03	1.0	N/A	0.011	0	
	AMS04	1.0	N/A	0.034	0	
	RT05	9.0	N/A	0.013	0	
12:30 - 13:40	AMS01	1.0	N/A	0.021	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.014	0	
	AMS03	28.0	N/A	0.013	0	
	AMS04	1.0	N/A	0.012	0	
	RT05	1.0	N/A	0.012	0	
13:30 - 13:40	AMS01	1.0	N/A	0.012	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.018	0	
	AMS03	25.0	N/A	0.015	0	
	AMS04	1.0	N/A	0.016	0	
	RT05	6.0	N/A	0.014	0	
14:30-14:40	AMS01	1.0	N/A	0.006	0	XDD Injecting Wells
	Ams02	1.0	N/A	0.013	0	
	AMS03	1.0	N/A	0.021	0	
	AMS04	1.0	N/A	0.011	0	
	RT05	1.0	N/A	0.017	0	
15:30-15:40	AMS01	1.0	N/A	0.030	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.007	0	
	AMS03	1.0	N/A	0.012	0	
	AMS04	1.0	N/A	0.023	0	
	RT05	69.0	N/A	0.016	0	
16:30-16:40	AMS01	1.0	N/A	0.041	0	XDD Flushing Water Through System
	AMS02	1.0	N/A	0.009	0	
	AMS03	22.0	N/A	0.013	0	
	AMS04	1.0	N/A	0.011	0	
	RT05	1.0	N/A	0.007	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	10/5/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	1.0	N/A	0.001	0	XDD Perparing to Startup Injection
	AMS02	1.0	N/A	0.002	0	
	AMS03	1.0	N/A	0.001	0	
	AMS04	1.0	N/A	0.006	0	
	RT05	1.0	N/A	0.005	0	
8:30 - 8:40	AMS01	1.0	N/A	0.017	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.018	0	
	AMS03	12.0	N/A	0.022	0	
	AMS04	1.0	N/A	0.021	0	
	RT05	1.0	N/A	0.040	0	
9:30 - 9:40	AMS01	1.0	N/A	0.011	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.014	0	
	AMS03	10.0	N/A	0.016	0	
	AMS04	1.0	N/A	0.023	0	
	RT05	1.0	N/A	0.018	0	
10:30 - 10:40	AMS01	1.0	N/A	0.020	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.062	0	
	AMS03	1.0	N/A	0.028	0	
	AMS04	1.0	N/A	0.019	0	
	RT05	1.0	N/A	0.023	0	
11:30 - 11:40	AMS01	1.0	N/A	0.025	0	XDD Injecting Wells
	AMS02	1.0	N/A	0.017	0	
	AMS03	1.0	N/A	0.012	0	
	AMS04	1.0	N/A	0.042	0	
	RT05	1.0	N/A	0.014	0	
12:30 - 13:40	AMS01	1.0	N/A	0.021	0	XDD Injecting Wells
	AMS02	51.0	N/A	0.026	0	
	AMS03	1.0	N/A	0.008	0	
	AMS04	1.0	N/A	0.012	0	
	RT05	17.0	N/A	0.023	0	
13:30 - 13:40	AMS01	1.0	N/A	0.024	0	XDD Injecting Wells
	AMS02	196.0	N/A	0.011	0	
	AMS03	1.0	N/A	0.026	0	
	AMS04	1.0	N/A	0.017	0	
	RT05	1.0	N/A	0.014	0	
14:30-14:40	AMS01	1.0	N/A	0.001	0	XDD Injecting Wells
	Ams02	1.0	N/A	0.034	0	
	AMS03	1.0	N/A	0.025	0	
	AMS04	1.0	N/A	0.010	0	
	RT05	1.0	N/A	0.013	0	
15:30-15:40	AMS01	1.0	N/A	0.010	0	XDD Injecting Wells, At 15:43 Serious Daylighting Occurred in Exclusion Zone Near RT05. Monitored Off Site till Work was Done for the Day. Near Daylighting Area Highest Reading was 12.8 ppm. Across the Street at the Park Highest Reading Was 200 ppb
	AMS02	1.0	N/A	0.010	0	
	AMS03	1.0	N/A	0.017	0	
	AMS04	1.0	N/A	0.021	0	
	RT05	852.0	N/A	0.014	0	
16:30-16:40	AMS01	N/A	N/A	N/A	N/A	See 15:30 Notes, XDD Got Area Cleaned Up and Were Off Site at 17:00
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/6/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
8:30 - 8:40	AMS01	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
9:30 - 9:40	AMS01	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
10:30 - 10:40	AMS01	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
11:30 - 11:40	AMS01	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
12:30 - 13:40	AMS01	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
13:30 - 13:40	AMS01	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
14:30-14:40	AMS01	0.1	N/A	0.006	0	XDD Injecting Wells
	Ams02	0.1	N/A	0.009	0	
	AMS03	0.1	N/A	0.005	0	
	AMS04	0.1	N/A	0.003	0	
	RT05	0.1	N/A	0.008	0	
15:30-15:40	AMS01	0.1	N/A	0.003	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.010	0	
	AMS03	0.1	N/A	0.007	0	
	AMS04	0.1	N/A	0.004	0	
	RT05	0.1	N/A	0.005	0	
16:30-16:40	AMS01	0.1	N/A	0.007	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.004	0	
	AMS03	0.1	N/A	0.010	0	
	AMS04	0.1	N/A	0.006	0	
	RT05	0.1	N/A	0.002	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/7/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.011	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.013	0	
	AMS03	0.1	N/A	0.016	0	
	AMS04	0.1	N/A	0.017	0	
	RT05	0.1	N/A	0.015	0	
8:30 - 8:40	AMS01	0.1	N/A	0.010	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.009	0	
	AMS03	0.1	N/A	0.012	0	
	AMS04	0.1	N/A	0.007	0	
	RT05	0.1	N/A	0.011	0	
9:30 - 9:40	AMS01	0.1	N/A	0.004	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.003	0	
	AMS03	0.1	N/A	0.005	0	
	AMS04	0.1	N/A	0.006	0	
	RT05	0.1	N/A	0.004	0	
10:30 - 10:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.006	0	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.007	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.004	0	
12:30 - 13:40	AMS01	0.1	N/A	0.006	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.007	0	
13:30 - 13:40	AMS01	0.1	N/A	0.003	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.005	0	
	RT05	0.1	N/A	0.008	0	
14:30-14:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	Ams02	0.1	N/A	0.003	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.013	0	
15:30-15:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells, At 15:30 Arron from XDD Informed me of Daylighting inside the Exclusion Zone. Monitored till 16:00 Highest Reading off Site Was 58ppb Highest Reading Right Above Daylight Area Was 1.9ppm
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
16:30-16:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/8/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.010	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.015	0	
	AMS03	0.1	N/A	0.006	0	
	AMS04	0.1	N/A	0.011	0	
	RT05	0.1	N/A	0.008	0	
8:30 - 8:40	AMS01	0.1	N/A	0.011	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.008	0	
	AMS03	0.1	N/A	0.009	0	
	AMS04	0.1	N/A	0.013	0	
	RT05	0.1	N/A	0.010	0	
9:30 - 9:40	AMS01	0.1	N/A	0.005	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.006	0	
	AMS03	0.1	N/A	0.008	0	
	AMS04	0.1	N/A	0.006	0	
	RT05	0.1	N/A	0.007	0	
10:30 - 10:40	AMS01	0.1	N/A	0.005	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.008	0	
	AMS03	0.1	N/A	0.010	0	
	AMS04	12.0	N/A	0.007	0	
	RT05	0.1	N/A	0.004	0	
11:30 - 11:40	AMS01	0.1	N/A	0.007	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.009	0	
	AMS03	0.1	N/A	0.008	0	
	AMS04	0.1	N/A	0.006	0	
	RT05	0.1	N/A	0.013	0	
12:30 - 13:40	AMS01	0.1	N/A	0.004	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.002	0	
	AMS03	0.1	N/A	0.003	0	
	AMS04	0.1	N/A	0.004	0	
	RT05	0.1	N/A	0.005	0	
13:30 - 13:40	AMS01	0.1	N/A	0.005	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.005	0	
	AMS03	9.0	N/A	0.006	0	
	AMS04	0.1	N/A	0.003	0	
	RT05	0.1	N/A	0.006	0	
14:30-14:40	AMS01	0.1	N/A	0.003	0	XDD Injecting Wells
	Ams02	0.1	N/A	0.007	0	
	AMS03	0.1	N/A	0.007	0	
	AMS04	0.1	N/A	0.005	0	
	RT05	0.1	N/A	0.004	0	
15:30-15:40	AMS01	0.1	N/A	0.006	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.009	0	
	AMS03	21.0	N/A	0.005	0	
	AMS04	0.1	N/A	0.008	0	
	RT05	0.1	N/A	0.003	0	
16:30-16:40	AMS01	0.1	N/A	0.005	0	XDD Flushing Lines With Water, Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.005	0	
	AMS03	26.0	N/A	0.003	0	
	AMS04	0.1	N/A	0.006	0	
	RT05	0.1	N/A	0.002	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/9/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.012	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.016	0	
	AMS03	0.1	N/A	0.009	0	
	AMS04	0.1	N/A	0.011	0	
	RT05	0.1	N/A	0.010	0	
8:30 - 8:40	AMS01	0.1	N/A	0.015	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.011	0	
	AMS03	0.1	N/A	0.012	0	
	AMS04	0.1	N/A	0.017	0	
	RT05	0.1	N/A	0.014	0	
9:30 - 9:40	AMS01	0.1	N/A	0.008	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.008	0	
	AMS03	0.1	N/A	0.005	0	
	AMS04	0.1	N/A	0.009	0	
	RT05	0.1	N/A	0.006	0	
10:30 - 10:40	AMS01	0.1	N/A	0.002	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.004	0	
	AMS04	0.1	N/A	0.005	0	
	RT05	0.1	N/A	0.008	0	
11:30 - 11:40	AMS01	0.1	N/A	0.006	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.002	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.004	0	
	RT05	0.1	N/A	0.001	0	
12:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	36.0	N/A	0.001	0	
13:30 - 13:40	AMS01	0.1	N/A	0.004	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.012	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	30.0	N/A	0.001	0	
14:30-14:40	AMS01	0.1	N/A	0.015	0	XDD Injecting Wells
	Ams02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.008	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	71.0	N/A	0.010	0	
15:30-15:40	AMS01	0.1	N/A	0.017	0	XDD Injecting Wells
	AMS02	17.0	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	63.0	N/A	0.001	0	
16:30-16:40	AMS01	0.1	N/A	0.005	0	XDD Flushing Lines With Water. Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	13.0	N/A	0.001	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/11/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.010	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.004	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.006	0	
	RT05	0.1	N/A	0.009	0	
8:30 - 8:40	AMS01	0.1	N/A	0.008	0	XDD Trying to Unfreeze Injection Lines
	AMS02	0.1	N/A	0.009	0	
	AMS03	0.1	N/A	0.008	0	
	AMS04	0.1	N/A	0.004	0	
	RT05	0.1	N/A	0.007	0	
9:30 - 9:40	AMS01	0.1	N/A	0.006	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.002	0	
	AMS03	19.0	N/A	0.002	0	
	AMS04	0.1	N/A	0.005	0	
	RT05	0.1	N/A	0.003	0	
10:30 - 10:40	AMS01	0.1	N/A	0.003	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.002	0	
	AMS04	0.1	N/A	0.003	0	
	RT05	35.0	N/A	0.007	0	
11:30 - 11:40	AMS01	0.1	N/A	0.006	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.002	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.008	0	
	RT05	0.1	N/A	0.003	0	
12:30 - 13:40	AMS01	0.1	N/A	0.002	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.007	0	
	AMS03	0.1	N/A	0.002	0	
	AMS04	0.1	N/A	0.003	0	
	RT05	0.1	N/A	0.009	0	
13:30 - 13:40	AMS01	0.1	N/A	0.008	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.017	0	
	AMS03	21.0	N/A	0.006	0	
	AMS04	0.1	N/A	0.010	0	
	RT05	0.1	N/A	0.008	0	
14:30-14:40	AMS01	0.1	N/A	0.009	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.005	0	
	AMS03	0.1	N/A	0.010	0	
	AMS04	0.1	N/A	0.016	0	
	RT05	0.1	N/A	0.007	0	
15:30-15:40	AMS01	0.1	N/A	0.015	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.005	0	
	AMS03	0.1	N/A	0.003	0	
	AMS04	0.1	N/A	0.005	0	
	RT05	0.1	N/A	0.004	0	
16:30-16:40	AMS01	0.1	N/A	0.004	0	XDD Flushing Lines With Water, Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.004	0	
	AMS03	0.1	N/A	0.003	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.006	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/12/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.012	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.006	0	
	AMS03	0.1	N/A	0.003	0	
	AMS04	0.1	N/A	0.004	0	
	RT05	0.1	N/A	0.007	0	
8:30 - 8:40	AMS01	0.1	N/A	0.012	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.009	0	
	AMS03	0.1	N/A	0.010	0	
	AMS04	0.1	N/A	0.008	0	
	RT05	0.1	N/A	0.009	0	
9:30 - 9:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.006	0	
	AMS04	0.1	N/A	0.004	0	
	RT05	0.1	N/A	0.003	0	
10:30 - 10:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.003	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.002	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.002	0	
12:30 - 13:40	AMS01	0.1	N/A	0.003	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.010	0	
	AMS04	0.1	N/A	0.004	0	
	RT05	0.1	N/A	0.001	0	
13:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
14:30-14:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	45.0	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
15:30-15:40	AMS01	0.1	N/A	0.002	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.005	0	
	AMS03	0.1	N/A	0.010	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.003	0	
16:30-16:40	AMS01	0.1	N/A	0.001	0	XDD Flushing Lines With Water. Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/13/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
8:30 - 8:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
9:30 - 9:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
10:30 - 10:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
12:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
13:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
14:30-14:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells, Light Rain
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
15:30-15:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells, Light Rain
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
16:30-16:40	AMS01	0.1	N/A	0.001	0	XDD Flushing Lines With Water. Preparing to Shut Down For the Day, Raining
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/14/2011			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.010	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.017	0	
	AMS03	0.1	N/A	0.012	0	
	AMS04	0.1	N/A	0.011	0	
	RT05	0.1	N/A	0.021	0	
8:30 - 8:40	AMS01	0.1	N/A	0.014	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.023	0	
	AMS03	0.1	N/A	0.015	0	
	AMS04	0.1	N/A	0.012	0	
	RT05	0.1	N/A	0.019	0	
9:30 - 9:40	AMS01	0.1	N/A	0.005	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.006	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.013	0	
10:30 - 10:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
12:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
13:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
14:30-14:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells, Light Rain
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
15:30-15:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells, Raining
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
16:30-16:40	AMS01	0.1	N/A	0.001	0	XDD Flushing Lines With Water. Preparing to Shut Down For the Day, Raining
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	2/28/2012			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
8:30 - 8:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.003	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.002	0	
9:30 - 9:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
10:30 - 10:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.012	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.004	0	
	AMS03	0.1	N/A	0.003	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.008	0	
12:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.002	0	
	RT05	0.1	N/A	0.010	0	
13:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.005	0	
	AMS03	0.1	N/A	0.004	0	
	AMS04	0.1	N/A	0.007	0	
	RT05	0.1	N/A	0.001	0	
14:30-14:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
15:30-15:40	AMS01	0.1	N/A	0.006	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.002	0	
	AMS03	0.1	N/A	0.003	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.013	0	
16:30-16:40	AMS01	0.1	N/A	0.003	0	XDD Flushing Lines With Water. Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.011	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.007	0	
	RT05	0.1	N/A	0.001	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	2/29/2012			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
8:30 - 8:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.013	0	
	AMS03	0.1	N/A	0.029	0	
	AMS04	0.1	N/A	0.020	0	
	RT05	0.1	N/A	0.018	0	
9:30 - 9:40	AMS01	0.1	N/A	0.021	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.018	0	
	AMS03	0.1	N/A	0.014	0	
	AMS04	0.1	N/A	0.022	0	
	RT05	0.1	N/A	0.013	0	
10:30 - 10:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells,Daylighting Occurring Inside Exclusion Zone, Monitored Outside Gate and Highest Reading was 57ppb, Monitored Inside Exclusion Zone and Highest Rreading was 107ppb
	AMS02	0.1	N/A	0.008	0	
	AMS03	0.1	N/A	0.005	0	
	AMS04	0.1	N/A	0.011	0	
	RT05	22.0	N/A	0.002	0	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells,Daylighting Occurring Inside Exclusion Zone
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.008	0	
	AMS04	0.1	N/A	0.002	0	
	RT05	0.1	N/A	0.001	0	
12:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells,Daylighting Occurring Inside Exclusion Zone
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
13:30 - 13:40	AMS01	0.1	N/A	0.004	0	XDD Injecting Wells,Daylighting Occurring Inside Exclusion Zone
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.012	0	
14:30-14:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells,Daylighting Occurring Inside Exclusion Zone
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
15:30-15:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells,Daylighting Occurring Inside Exclusion Zone
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
16:30-16:40	AMS01	0.1	N/A	0.001	0	XDD Got Daylighting Under Control, Flushing Injection Lines With Water, Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.019	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	3/1/2012			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
8:30 - 8:40	AMS01	0.1	N/A	0.002	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.007	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
9:30 - 9:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.008	0	
10:30 - 10:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.003	0	
	AMS03	0.1	N/A	0.014	0	
	AMS04	0.1	N/A	0.003	0	
	RT05	0.1	N/A	0.002	0	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
12:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.002	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
13:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
14:30-14:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
15:30-15:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
16:30-16:40	AMS01	0.1	N/A	0.001	0	XDD Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.021	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	3/2/2012			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	N/A	N/A	N/A	N/A	No Activity On Site Due to Weather
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
8:30 - 8:40	AMS01	N/A	N/A	N/A	N/A	No Activity On Site Due to Weather
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
9:30 - 9:40	AMS01	N/A	N/A	N/A	N/A	No Activity On Site Due to Weather
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
10:30 - 10:40	AMS01	N/A	N/A	N/A	N/A	No Activity On Site Due to Weather
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.008	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.007	0	
	RT05	0.1	N/A	0.001	0	
12:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.002	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
13:30 - 13:40	AMS01	0.1	N/A	0.022	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.018	0	
	AMS03	0.1	N/A	0.021	0	
	AMS04	0.1	N/A	0.020	0	
	RT05	0.1	N/A	0.019	0	
14:30-14:40	AMS01	0.1	N/A	0.020	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.028	0	
	AMS03	0.1	N/A	0.029	0	
	AMS04	0.1	N/A	0.028	0	
	RT05	9.0	N/A	0.028	0	
15:30-15:40	AMS01	0.1	N/A	0.008	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.009	0	
	AMS03	0.1	N/A	0.010	0	
	AMS04	0.1	N/A	0.010	0	
	RT05	15.0	N/A	0.009	0	
16:30-16:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	61.0	N/A	0.001	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	3/2/2012			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells at 7;45
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	123.0	N/A	0.001	1	
8:30 - 8:40	AMS01	0.1	N/A	0.001	0	Injecting. Odor Intensity at 1 and VOCs peak at 64 ppb at RT5. Concentration decreases at west edge of road.
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	64.0	N/A	0.001	1	
9:30 - 9:40	AMS01	0.1	N/A	0.001	N/A	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	N/A	
	AMS03	0.1	N/A	0.001	N/A	
	AMS04	0.1	N/A	0.001	N/A	
	RT05	12.0	N/A	0.001	N/A	
10:30 - 10:40	AMS01	0.1	N/A	0.001	N/A	XDD Injecting Wells-Daylighting occuring along Webster Streret along the shoulder. XDD contained the daylighting.
	AMS02	0.1	N/A	0.001	N/A	
	AMS03	0.1	N/A	0.001	N/A	
	AMS04	0.1	N/A	0.001	N/A	
	RT05	193.0	N/A	0.001	N/A	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	151.0	N/A	0.001	0	
12:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	99.0	N/A	0.001	0	
13:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	132.0	N/A	0.001	0	
14:30-14:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	111.0	N/A	0.001	0	
15:30-15:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	147.0	N/A	0.001	0	
16:30-16:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	94.0	N/A	0.001	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	3/5/2012			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
8:30 - 8:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
9:30 - 9:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
10:30 - 10:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
11:30 - 11:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
12:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
13:30 - 13:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
14:30-14:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
15:30-15:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
16:30-16:40	AMS01	0.1	N/A	0.001	0	XDD Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.021	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	3/6/2012			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
8:30 - 8:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.013	0	
9:30 - 9:40	AMS01	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
10:30 - 10:40	AMS01	0.1	N/A	0.003	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.004	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.005	0	
	RT05	0.1	N/A	0.004	0	
11:30 - 11:40	AMS01	0.1	N/A	0.009	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.005	0	
	AMS03	0.1	N/A	0.003	0	
	AMS04	0.1	N/A	0.002	0	
	RT05	0.1	N/A	0.006	0	
12:30 - 13:40	AMS01	0.1	N/A	0.006	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.010	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.006	0	
	RT05	0.1	N/A	0.008	0	
13:30 - 13:40	AMS01	0.1	N/A	0.008	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.023	0	
	AMS03	0.1	N/A	0.016	0	
	AMS04	0.1	N/A	0.005	0	
	RT05	0.1	N/A	0.012	0	
14:30-14:40	AMS01	0.1	N/A	0.003	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.002	0	
	AMS03	0.1	N/A	0.010	0	
	AMS04	0.1	N/A	0.003	0	
	RT05	0.1	N/A	0.008	0	
15:30-15:40	AMS01	0.1	N/A	0.004	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.003	0	
	AMS03	0.1	N/A	0.005	0	
	AMS04	0.1	N/A	0.009	0	
	RT05	0.1	N/A	0.031	0	
16:30-16:40	AMS01	0.1	N/A	0.013	0	XDD Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.010	0	
	AMS03	0.1	N/A	0.002	0	
	AMS04	0.1	N/A	0.008	0	
	RT05	0.1	N/A	0.004	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Taylorville, IL		Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	3/7/2012			
Time	Location	PID (ppb) Make RAE Systems model: ppbRAEplus I.D. 250-103008	Portable GC (ppm) Benzene Make PhotoVac Model Voyager I.D. EVKV 350	Dust Monitor Mg/m^3 Make MIE Model pDR I.D. 5230	Odor	Remarks
7:30 - 7:40	AMS01	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
8:30 - 8:40	AMS01	0.1	N/A	0.009	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.013	0	
	AMS03	0.1	N/A	0.011	0	
	AMS04	0.1	N/A	0.011	0	
	RT05	0.1	N/A	0.012	0	
9:30 - 9:40	AMS01	0.1	N/A	0.009	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.007	0	
	AMS03	0.1	N/A	0.024	0	
	AMS04	0.1	N/A	0.013	0	
	RT05	0.1	N/A	0.031	0	
10:30 - 10:40	AMS01	0.1	N/A	0.016	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.012	0	
	AMS03	0.1	N/A	0.008	0	
	AMS04	0.1	N/A	0.013	0	
	RT05	0.1	N/A	0.011	0	
11:30 - 11:40	AMS01	0.1	N/A	0.010	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.009	0	
	AMS03	0.1	N/A	0.016	0	
	AMS04	0.1	N/A	0.010	0	
	RT05	0.1	N/A	0.011	0	
12:30 - 13:40	AMS01	0.1	N/A	0.012	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.010	0	
	AMS03	0.1	N/A	0.034	0	
	AMS04	0.1	N/A	0.009	0	
	RT05	0.1	N/A	0.012	0	
13:30 - 13:40	AMS01	0.1	N/A	0.020	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.014	0	
	AMS03	0.1	N/A	0.010	0	
	AMS04	0.1	N/A	0.011	0	
	RT05	0.1	N/A	0.024	0	
14:30-14:40	AMS01	0.1	N/A	0.019	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.017	0	
	AMS03	0.1	N/A	0.012	0	
	AMS04	0.1	N/A	0.011	0	
	RT05	0.1	N/A	0.008	0	
15:30-15:40	AMS01	0.1	N/A	0.003	0	XDD Injecting Wells
	AMS02	0.1	N/A	0.012	0	
	AMS03	0.1	N/A	0.009	0	
	AMS04	0.1	N/A	0.009	0	
	RT05	0.1	N/A	0.027	0	
16:30-16:40	AMS01	0.1	N/A	0.013	0	XDD Preparing to Shut Down For the Day
	AMS02	0.1	N/A	0.017	0	
	AMS03	0.1	N/A	0.014	0	
	AMS04	0.1	N/A	0.016	0	
	RT05	0.1	N/A	0.012	0	
17:30-17:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

APPENDIX B

TIME-INTEGRATED FIELD DATA

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	8/19/2010	Samplers Initials	AJA	End Date	8/22/2010	Samplers Inititals	AJA

Ambient Temperature (F)		Barometric Pressure (mm Hg)	

Weather Comments	

TO-15A	Sample ID	AMS01 TO15 081910			
Canister Serial #:	34484		Regulator#:	7272788	
	Start			End	
Time	8:54		Time	9:01	
Initial Gauge Pressure (in. Hg)	-30		Final Gauge Pressure (in. Hg)	-4	

TO-15A	Sample ID	AMS02 TO15 081910			
Canister Serial #:	11029		Regulator#:	7314748	
	Start			End	
Time	8:57		Time	9:03	
Initial Gauge Pressure (in. Hg)	-30		Final Gauge Pressure (in. Hg)	-7	

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	8/19/2010	Samplers Initials	AJA	End Date	8/22/2010	Samplers Inititals	AJA
Ambient Temperature (F)				Barometric Pressure (mm Hg)			

			Start	End
Passive	Sample ID	AMS01 RAD 081910		
	Tube ID	HT475		
	Time		8:54	9:01
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS01 RAD 081910 D		
	Tube ID	HT476		
	Time		8:54	9:01
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS02 RAD 081910		
	Tube ID	HT477		
	Time		8:57	9:03
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS03 RAD 081910		
	Tube ID	HT478		
	Time		9:00	9:05
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS04 RAD 081910		
	Tube ID	HT479		
	Time		9:03	9:06
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	8/25/2010	Samplers Initials	AJA	End Date	8/28/2010	Samplers Inititals	AJA

Ambient Temperature (F) | Barometric Pressure (mm Hg)

Weather Comments

TO-15A Sample ID: AMS01 TO15 082510

Canister Serial #:	33540	Regulator#:	7229310
	Start		End
Time	7:01	Time	6:56
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-1

TO-15A Sample ID: AMS02 TO15 082510

Canister Serial #:	2333	Regulator#:	72335925
	Start		End
Time	7:04	Time	6:59
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-8

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	8/25/2010	Samplers Initials	AJA	End Date	9/1/2010	Samplers Inititals	AJA

Ambient Temperature (F) _____ Barometric Pressure (mm Hg) _____

Passive

Sample ID: AMS01 RAD 082510

Tube ID: HT480

	Start	End
Time	7:01	7:07
Temperature Reading (F)		
Barometric Pressure (Hg)		

Passive

Sample ID: AMS01 RAD 082510 D

Tube ID: HT607

	Start	End
Time	7:01	7:07
Temperature Reading (F)		
Barometric Pressure (Hg)		

Passive

Sample ID: AMS02 RAD 082510

Tube ID: HT481

	Start	End
Time	7:04	7:09
Temperature Reading (F)		
Barometric Pressure (Hg)		

Passive

Sample ID: AMS03 RAD 082510

Tube ID: HT482

	Start	End
Time	7:06	7:10
Temperature Reading (F)		
Barometric Pressure (Hg)		

Passive

Sample ID: AMS04 RAD 082510

Tube ID: HT483

	Start	End
Time	7:07	7:12
Temperature Reading (F)		
Barometric Pressure (Hg)		

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	8/28/2010	Samplers Initials	AJA	End Date	8/31/2010	Samplers Inititals	AJA

Ambient Temperature (F)		Barometric Pressure (mm Hg)	

Weather Comments	

TO-15A	Sample ID	AMS01 TO15 082810			
Canister Serial #:	30853		Regulator#:	7229310	
	Start			End	
Time	6:56		Time	7:04	
Initial Gauge Pressure (in. Hg)	-30		Final Gauge Pressure (in. Hg)	-1	

TO-15A	Sample ID	AMS02 TO15 082810			
Canister Serial #:	33330		Regulator#:	72335925	
	Start			End	
Time	6:59		Time	7:05	
Initial Gauge Pressure (in. Hg)	-30		Final Gauge Pressure (in. Hg)	-2	

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	9/1/2010	Samplers Initials	AJA	End Date	9/3/2010	Samplers Initials	AJA

Ambient Temperature (F) _____ Barometric Pressure (mm Hg) _____

			Start	End
Passive	Sample ID	AMS01 RAD 090110		
	Tube ID	EO608		
	Time		7:07	9:30
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS01 RAD 090110 D		
	Tube ID	EO609		
	Time		7:07	9:30
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS02 RAD 090110		
	Tube ID	EO610		
	Time		7:09	9:32
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS03 RAD 090110		
	Tube ID	EO611		
	Time		7:10	9:35
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS04 RAD 090110		
	Tube ID	EO612		
	Time		7:12	9:36
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	9/3/2010	Samplers Initials	AJA	End Date	9/7/2010	Samplers Inititals	AJA
Ambient Temperature (F)				Barometric Pressure (mm Hg)			

			Start	End
Passive	Sample ID	AMS01 RAD 090310		
	Tube ID	EO613		
	Time		9:30	7:15
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS01 RAD 090310 D		
	Tube ID	EO614		
	Time		9:30	7:15
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS02 RAD 090310		
	Tube ID	EO615		
	Time		9:32	7:17
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS03 RAD 090310		
	Tube ID	EO616		
	Time		9:35	7:19
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Passive	Sample ID	AMS04 RAD 090310		
	Tube ID	EO617		
	Time		9:36	7:21
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	11/10/2010	Samplers Initials	DSS	End Date	11/18/2010	Samplers Inititals	DSS
Ambient Temperature (F)	46			Barometric Pressure (mm Hg)			30.09

			Start		End
Passive	Sample ID	AMS01 RAD 111010			
	Tube ID	IH727			
	Time		8:12	Time	9:45
	Temperature Reading (F)		46.00	Temperature Reading (F)	40.00
	Barometric Pressure (Hg)		30.09	Barometric Pressure (Hg)	30.35

			Start		End
Passive	Sample ID	AMS01 RAD 111010 D			
	Tube ID	IH728			
	Time		8:12	Time	9:45
	Temperature Reading (F)		46.00	Temperature Reading (F)	40.00
	Barometric Pressure (Hg)		30.09	Barometric Pressure (Hg)	30.35

			Start		End
Passive	Sample ID	AMS02 RAD 111010			
	Tube ID	IH729			
	Time		8:19	Time	9:45
	Temperature Reading (F)		46.00	Temperature Reading (F)	40.00
	Barometric Pressure (Hg)		30.09	Barometric Pressure (Hg)	30.35

			Start		End
Passive	Sample ID	AMS03 RAD 111010			
	Tube ID	IH730			
	Time		8:22	Time	9:45
	Temperature Reading (F)		46.00	Temperature Reading (F)	40.00
	Barometric Pressure (Hg)		30.09	Barometric Pressure (Hg)	30.35

			Start		End
Passive	Sample ID	AMS04 RAD 111010			
	Tube ID	IH731			
	Time		8:24	Time	9:45
	Temperature Reading (F)		46.00	Temperature Reading (F)	40.00
	Barometric Pressure (Hg)		30.09	Barometric Pressure (Hg)	30.35

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	11/16/2010	Samplers Initials	DSS	End Date	11/18/2010	Samplers Inititals	DSS
Ambient Temperature (F)				Barometric Pressure (mm Hg)			
Weather Comments							

TO-15A	Sample ID	AMS01 TO15 111610	
Canister Serial #:	3464	Regulator#:	40570
	Start		End
Time	10:30	Time	9:45
Initial Gauge Pressure (in. Hg)	-29	Final Gauge Pressure (in. Hg)	-2

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	9/7/2010	Samplers Initials	AJA	End Date	9/10/2010	Samplers Inititals	AJA

Ambient Temperature (F) | Barometric Pressure (mm Hg)

Weather Comments

TO-15A Sample ID: AMS01 TO15 090710

	Start		End
Canister Serial #:	34323	Regulator#:	7310582
Time	7:15	Time	7:12
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-7

TO-15A Sample ID: AMS02 TO15 090710

	Start		End
Canister Serial #:	4346	Regulator#:	7235925
Time	7:17	Time	7:13
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-1

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	9/7/2010	Samplers Initials	AJA	End Date	9/11/2010	Samplers Inititals	AJA
Ambient Temperature (F)				Barometric Pressure (mm Hg)			

Passive		Start	End
	Sample ID	AMS01 RAD 090710	
	Tube ID	E0618	
	Time	7:15	11:30
	Temperature Reading (F)		
	Barometric Pressure (Hg)		

Passive		Start	End
	Sample ID	AMS01 RAD 090710 D	
	Tube ID	E0619	
	Time	7:15	11:30
	Temperature Reading (F)		
	Barometric Pressure (Hg)		

Passive		Start	End
	Sample ID	AMS02 RAD 090710	
	Tube ID	E0620	
	Time	7:17	11:31
	Temperature Reading (F)		
	Barometric Pressure (Hg)		

Passive		Start	End
	Sample ID	AMS03 RAD 090710	
	Tube ID	E0621	
	Time	7:19	11:32
	Temperature Reading (F)		
	Barometric Pressure (Hg)		

Passive		Start	End
	Sample ID	AMS04 RAD 090710	
	Tube ID	E0622	
	Time	7:21	11:33
	Temperature Reading (F)		
	Barometric Pressure (Hg)		

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	11/10/2010	Samplers Initials	DSS	End Date	11/18/2010	Samplers Inititals	DSS
Ambient Temperature (F)	46			Barometric Pressure (mm Hg)		30.09	

Passive	Sample ID	AMS01 RAD 111010			
	Tube ID	IH727			
		Start		End	
	Time	8:12		Time	9:45
	Temperature Reading (F)	46.00		Temperature Reading (F)	40.00
	Barometric Pressure (Hg)	30.09		Barometric Pressure (Hg)	30.35

Passive	Sample ID	AMS01 RAD 111010 D			
	Tube ID	IH728			
		Start		End	
	Time	8:12		Time	9:45
	Temperature Reading (F)	46.00		Temperature Reading (F)	40.00
	Barometric Pressure (Hg)	30.09		Barometric Pressure (Hg)	30.35

Passive	Sample ID	AMS02 RAD 111010			
	Tube ID	IH729			
		Start		End	
	Time	8:19		Time	9:45
	Temperature Reading (F)	46.00		Temperature Reading (F)	40.00
	Barometric Pressure (Hg)	30.09		Barometric Pressure (Hg)	30.35

Passive	Sample ID	AMS03 RAD 111010			
	Tube ID	IH730			
		Start		End	
	Time	8:22		Time	9:45
	Temperature Reading (F)	46.00		Temperature Reading (F)	40.00
	Barometric Pressure (Hg)	30.09		Barometric Pressure (Hg)	30.35

Passive	Sample ID	AMS04 RAD 111010			
	Tube ID	IH731			
		Start		End	
	Time	8:24		Time	9:45
	Temperature Reading (F)	46.00		Temperature Reading (F)	40.00
	Barometric Pressure (Hg)	30.09		Barometric Pressure (Hg)	30.35

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	11/16/2010	Samplers Initials	DSS	End Date	11/18/2010	Samplers Inititals	DSS

Ambient Temperature (F) | Barometric Pressure (mm Hg)

Weather Comments

TO-15A Sample ID: AMS01 TO15 111610

Canister Serial #: 3464 | Regulator#: 40570

	Start	End
Time	10:30	9:45
Initial Gauge Pressure (in. Hg)	-29	
Final Gauge Pressure (in. Hg)		-2

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	3/16/2011	Samplers Initials	DS	End Date	3/19/2011	Samplers Inititals	DS
Ambient Temperature (F) AVG	53.12			Barometric Pressure (mm Hg) AVG	29.67		
Weather Comments							

TO-15A	Sample ID	AMS01 T015 031611	
Canister Serial #:	12718	Regulator#:	40033
	Start		End
Time	2:05	Time	3:05
Initial Gauge Pressure (in. Hg)	-29	Final Gauge Pressure (in. Hg)	-1

TO-15A	Sample ID	AMS02 T015 031611	
Canister Serial #:	5785	Regulator#:	40563
	Start		End
Time	2:05	Time	3:05
Initial Gauge Pressure (in. Hg)	-29	Final Gauge Pressure (in. Hg)	-6

TO-15A	Sample ID	AMS03 T015 031611	
Canister Serial #:	34403		40400
	Start		End
Time	2:05	Time	3:05
Initial Gauge Pressure (in. Hg)	-29	Final Gauge Pressure (in. Hg)	-9

TO-15A	Sample ID	AMS04 T015 031611	
Canister Serial #:	5608	Regulator#:	40532
	Start		End
Time	2:05	Time	3:05
Initial Gauge Pressure (in. Hg)	-29	Final Gauge Pressure (in. Hg)	-1

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	3/16/2011	Samplers Initials	DS	End Date	3/19/2011	Samplers Inititals	DS
Ambient Temperature (F) AVG	53.12			Barometric Pressure (mm Hg) AVG			29.67

			Start	End
Passive	Sample ID	AMS01 PAS 031611		
	Tube ID	IQ358		
	Time		2:05	3:05
	Temperature Reading (F)		63.80	56.00
	Barometric Pressure (Hg)		29.56	29.78
Passive	Sample ID	AMS02 PAS 031611		
	Tube ID	IQ359		
	Time		2:05	3:05
	Temperature Reading (F)		63.80	56.00
	Barometric Pressure (Hg)		29.56	29.78
Passive	Sample ID	AMS03 PAS 031611		
	Tube ID	IQ360		
	Time		2:05	3:05
	Temperature Reading (F)		63.80	56.00
	Barometric Pressure (Hg)		29.56	29.78
Passive	Sample ID	AMS04 PAS 031611		
	Tube ID	IQ361		
	Time		2:05	3:05
	Temperature Reading (F)		63.80	56.00
	Barometric Pressure (Hg)		29.56	29.78
Passive	Sample ID			
	Tube ID			
	Time			
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	3/19/2011	Samplers Initials	DS	End Date	3/23/2011	Samplers Inititals	DS
Ambient Temperature (F) AVG	61.76			Barometric Pressure (mm Hg)	AVG	29.35	

			Start	End
Passive	Sample ID	AMS01 PAS 031911		
	Tube ID	IQ362		
	Time		3:15	13:51
	Temperature Reading (F)		56.50	72.40
	Barometric Pressure (Hg)		29.77	28.96

			Start	End
Passive	Sample ID	AMS02 PAS 031911		
	Tube ID	IQ363		
	Time		3:15	12:43
	Temperature Reading (F)		56.50	72.40
	Barometric Pressure (Hg)		29.77	28.96

			Start	End
Passive	Sample ID	AMS03 PAS 031911		
	Tube ID	IQ364		
	Time		3:15	13:55
	Temperature Reading (F)		56.50	72.40
	Barometric Pressure (Hg)		29.77	28.96

			Start	End
Passive	Sample ID	AMS04 PAS 031911		
	Tube ID	IQ365		
	Time		3:15	13:57
	Temperature Reading (F)		56.50	72.40
	Barometric Pressure (Hg)		29.77	28.96

			Start	End
Passive	Sample ID			
	Tube ID			
	Time			
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	3/21/2011	Samplers Initials	DS	End Date	3/23/2011
Samplers Inititals	DS				
Ambient Temperature (F) AVG	61.76	Barometric Pressure (mm Hg) AVG	29.35		
Weather Comments					

TO-15A	Sample ID	AMS01 T015 032111			
Canister Serial #:	34031	Regulator#:	40188		
	Start		End		
Time	8:00	Time			
Initial Gauge Pressure (in. Hg)	-29	Final Gauge Pressure (in. Hg)			

TO-15A	Sample ID	AMS02 T015 032111			
Canister Serial #:	35154	Regulator#:	40257		
	Start		End		
Time	8:00	Time			
Initial Gauge Pressure (in. Hg)	-29	Final Gauge Pressure (in. Hg)			

TO-15A	Sample ID	AMS03 T015 032111			
Canister Serial #:	35981		40340		
	Start		End		
Time	8:00	Time			
Initial Gauge Pressure (in. Hg)	-29	Final Gauge Pressure (in. Hg)			

TO-15A	Sample ID	AMS04 T015 032111			
Canister Serial #:	35978	Regulator#:	40489		
	Start		End		
Time	8:00	Time			
Initial Gauge Pressure (in. Hg)	-29	Final Gauge Pressure (in. Hg)			

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	9/27/2011	Samplers Initials	AJA	End Date	10/3/2011	Samplers Inititals	AJA
Ambient Temperature (F) AVG				Barometric Pressure (mm Hg) AVG			

Ultra III	Sample ID	AMS01 Ultra III 092711			
		Start		End	
	Time	14:30		Time	7:00
	Temperature Reading (F)	62.00		Temperature Reading (F)	47.00
	Barometric Pressure (Hg)	29.25		Barometric Pressure (Hg)	29.66

Ultra III	Sample ID	AMS01 Ultra III 092711 D			
		Start		End	
	Time	14:30		Time	7:00
	Temperature Reading (F)	62.00		Temperature Reading (F)	47.00
	Barometric Pressure (Hg)	29.25		Barometric Pressure (Hg)	29.66

Ultra III	Sample ID	AMS02 Ultra III 092711			
		Start		End	
	Time	14:30		Time	7:00
	Temperature Reading (F)	62.00		Temperature Reading (F)	47.00
	Barometric Pressure (Hg)	29.25		Barometric Pressure (Hg)	29.66

Ultra III	Sample ID	AMS03 Ultra III 092711			
		Start		End	
	Time	14:30		Time	7:00
	Temperature Reading (F)	62.00		Temperature Reading (F)	47.00
	Barometric Pressure (Hg)	29.25		Barometric Pressure (Hg)	29.66

Ultra III	Sample ID	AMS04 Ultra III 092711			
		Start		End	
	Time	14:30		Time	7:00
	Temperature Reading (F)	62.00		Temperature Reading (F)	47.00
	Barometric Pressure (Hg)	29.25		Barometric Pressure (Hg)	29.66

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	10/3/2011	Samplers Initials	AJA	End Date	10/6/2011	Samplers Inititals	AJA

Ambient Temperature (F) AVG: | Barometric Pressure (mm Hg) AVG:

Weather Comments:

TO-15A Sample ID: AMS01 T015 100311

Canister Serial #:	5665	Regulator#:	40488
	Start		End
Time	7:00	Time	8:00
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-1

TO-15A Sample ID: AMS01 T015 0100311 D

Canister Serial #:	5614	Regulator#:	40623
	Start		End
Time	7:00	Time	8:00
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-2

TO-15A Sample ID: AMS02 T015 100311

Canister Serial #:	403		40109
	Start		End
Time	7:00	Time	8:00
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-2

TO-15A Sample ID: AMS03 T015 100311

Canister Serial #:	35241	Regulator#:	40209
	Start		End
Time	7:00	Time	8:00
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-1

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	2/27/2012	Samplers Initials	AJA	End Date	3/1/12	Samplers Inititals	AJA

Ambient Temperature (F) AVG: | Barometric Pressure (mm Hg) AVG:

Weather Comments:

TO-15A Sample ID: AMS01 T015 022712

Canister Serial #:	34226	Regulator#:	40032
	Start		End
Time	13:00	Time	13:00
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-1

TO-15A Sample ID: AMS02 T015 022712

Canister Serial #:	34275		40593
	Start		End
Time	13:00	Time	13:00
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-1

TO-15A Sample ID: AMS03 T015 022712

Canister Serial #:	35981	Regulator#:	40438
	Start		End
Time	13:00	Time	13:00
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-1

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	2/27/2012	Samplers Initials	AJA	End Date	3/5/2012	Samplers Inititals	AJA

Ambient Temperature (F) AVG: | Barometric Pressure (mm Hg) AVG:

Ultra III Sample ID: AMS01 Ultra III 022712

	Start	End
Time	13:00	7:00
Temperature Reading (F)		
Barometric Pressure (Hg)		

Ultra III Sample ID: AMS02 Ultra III 022712

	Start	End
Time	13:00	7:00
Temperature Reading (F)		
Barometric Pressure (Hg)		

Ultra III Sample ID: AMS03 Ultra III 022712

	Start	End
Time	13:00	7:00
Temperature Reading (F)		
Barometric Pressure (Hg)		

Ultra III Sample ID: AMS04 Ultra III 022712

	Start	End
Time	13:00	7:00
Temperature Reading (F)		
Barometric Pressure (Hg)		

PASSIVE TUBE SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	3/5/2012	Samplers Initials	AJA	End Date	3/7/2012	Samplers Inititals	AJA
Ambient Temperature (F) AVG				Barometric Pressure (mm Hg)		AVG	

			Start	End
Ultra III	Sample ID	AMS01 Ultra III 030512		
	Time		7:00	16:30
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Ultra III	Sample ID	AMS02 Ultra III 030512		
	Time		7:00	16:30
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Ultra III	Sample ID	AMS03 Ultra III 030512		
	Time		7:00	16:30
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

			Start	End
Ultra III	Sample ID	AMS04 Ultra III 030512		
	Time		7:00	16:30
	Temperature Reading (F)			
	Barometric Pressure (Hg)			

TIME-INTEGRATED SAMPLE FIELD FORM
TAYLORVILLE MGP SITE

Start Date	3/5/2012	Samplers Initials	AJA	End Date	3/7/12	Samplers Inititals	AJA

Ambient Temperature (F) AVG: | Barometric Pressure (mm Hg) AVG:

Weather Comments:

TO-15A Sample ID: AMS01 T015 030512

Canister Serial #:	11879	Regulator#:	40339
	Start		End
Time	7:00	Time	16:30
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-2

TO-15A Sample ID: AMS01 T015 030512 D

Canister Serial #:	34764		40461
	Start		End
Time	7:00	Time	16:30
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-9

TO-15A Sample ID: AMS02 T015 030512

Canister Serial #:	34399	Regulator#:	40461
	Start		End
Time	7:00	Time	16:30
Initial Gauge Pressure (in. Hg)	-30	Final Gauge Pressure (in. Hg)	-2

APPENDIX C

REAL-TIME AIR MONITORING INSTRUMENTATION CALIBRATION RECORDS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer: Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project #

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	NA	NA	OK	0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA	OK	0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	NA	NA	OK	0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer: Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project #

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	NA	NA	OK	0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA	OK	0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	NA	NA	OK	0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	NA	NA	OK	0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	NA	NA	OK	0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	NA	NA	OK	0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	NA	NA	OK	0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	OK	0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	NA	NA	OK	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	NA	NA	OK	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	NA	NA	OK	0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: ppbRAE Plus*
Manufacturer RAE Systems
Serial No.: 250-103008

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: ppbRAE Plus*
Manufacturer RAE Systems
Serial No.: 250-103008

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: ppbRAE Plus*
Manufacturer: RAE Systems
Serial No.: 250-103008

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/9/2010	Temp 54.6, B.P. 26.15	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/10/2010	Temp 59.4, B.P. 26.13	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: ppbRAE Plus*
Manufacturer: RAE Systems
Serial No.: 250-103008

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/9/2010	Temp 54.6, B.P. 26.15	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/10/2010	Temp 59.4, B.P. 26.13	Isobuteleyne	10 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project #

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	NA	NA	OK	0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA	OK	0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	NA	NA	OK	0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	NA	NA	OK	0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	NA	NA	OK	0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	NA	NA	OK	0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	NA	NA	OK	0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	OK	0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	NA	NA	OK	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	NA	NA	OK	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	NA	NA	OK	0		AJA
9/7/2010	Temp 65.7, B.P. 29.18	NA	NA	OK	0		AJA
9/8/2010	Temp 58.9, B.P. 29.21	NA	NA	OK	0		AJA
9/9/2010	Temp 54.6, B.P. 29.15	NA	NA	OK	0		AJA
9/10/2010	Temp 59.4, B.P. 29.13	NA	NA	OK	0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	NA	NA	OK	0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: ppbRAE Plus*
Manufacturer: RAE Systems
Serial No.: 250-103008

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/9/2010	Temp 54.6, B.P. 26.15	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/10/2010	Temp 59.4, B.P. 26.13	Isobuteleyne	10 PPM	0.0	10.0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	Isobuteleyne	10 PPM	0.0	10.2		DSS
11/11/2010	Temp 42.9 B.P. 30.45	Isobuteleyne	10 PPM	0.0	10.1		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project #

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	NA	NA	OK	0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA	OK	0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	NA	NA	OK	0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	NA	NA	OK	0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	NA	NA	OK	0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	NA	NA	OK	0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	NA	NA	OK	0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	OK	0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	NA	NA	OK	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	NA	NA	OK	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	NA	NA	OK	0		AJA
9/7/2010	Temp 65.7, B.P. 29.18	NA	NA	OK	0		AJA
9/8/2010	Temp 58.9, B.P. 29.21	NA	NA	OK	0		AJA
9/9/2010	Temp 54.6, B.P. 29.15	NA	NA	OK	0		AJA
9/10/2010	Temp 59.4, B.P. 29.13	NA	NA	OK	0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	NA	NA	OK	0		DSS
11/11/2010	Temp 42.9 B.P. 30.45	NA	NA	OK	0		DSS
11/12/2010	Temp 43.1 B.P. 28.95	NA	NA	OK	0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: ppbRAE Plus*
Manufacturer: RAE Systems
Serial No.: 250-103008

Project: Ameren Tayloryille
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/9/2010	Temp 54.6, B.P. 26.15	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/10/2010	Temp 59.4, B.P. 26.13	Isobuteleyne	10 PPM	0.0	10.0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	Isobuteleyne	10 PPM	0.0	10.2		DSS
11/11/2010	Temp 42.9 B.P. 30.45	Isobuteleyne	10 PPM	0.0	10.1		DSS
11/12/2010	Temp 43.1 B.P. 28.95	Isobuteleyne	10 PPM	0.0	10.1		DSS
11/13/2010	Temp 44.9 B.P. 29.35	Isobuteleyne	10 PPM	0.0	10.3		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project #

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	NA	NA	OK	0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA	OK	0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	NA	NA	OK	0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	NA	NA	OK	0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	NA	NA	OK	0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	NA	NA	OK	0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	NA	NA	OK	0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	OK	0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	NA	NA	OK	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	NA	NA	OK	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	NA	NA	OK	0		AJA
9/7/2010	Temp 65.7, B.P. 29.18	NA	NA	OK	0		AJA
9/8/2010	Temp 58.9, B.P. 29.21	NA	NA	OK	0		AJA
9/9/2010	Temp 54.6, B.P. 29.15	NA	NA	OK	0		AJA
9/10/2010	Temp 59.4, B.P. 29.13	NA	NA	OK	0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	NA	NA	OK	0		DSS
11/11/2010	Temp 42.9 B.P. 30.45	NA	NA	OK	0		DSS
11/12/2010	Temp 43.1 B.P. 28.95	NA	NA	OK	0		DSS
11/13/2010	Temp 44.9 B.P. 29.35	NA	NA	OK	0		DSS
11/15/2010	Temp 46.8 B.P. 29.41	NA	NA	OK	0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: ppbRAE Plus*
Manufacturer: RAE Systems
Serial No.: 250-103008

Project: Ameren Taylorville
Project # 101-275

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobutelcyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobutelcyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobutelcyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobutelcyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobutelcyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobutelcyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobutelcyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobutelcyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/9/2010	Temp 54.6, B.P. 26.15	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/10/2010	Temp 59.4, B.P. 26.13	Isobutelcyne	10 PPM	0.0	10.0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	Isobutelcyne	10 PPM	0.0	10.2		DSS
11/11/2010	Temp 42.9 B.P. 30.45	Isobutelcyne	10 PPM	0.0	10.1		DSS
11/12/2010	Temp 43.1 B.P. 28.95	Isobutelcyne	10 PPM	0.0	10.1		DSS
11/13/2010	Temp 44.9 B.P. 29.35	Isobutelcyne	10 PPM	0.0	10.3		DSS
11/15/2010	Temp 46.8 B.P. 29.41	Isobutelcyne	10 PPM	0.0	10.4		DSS
11/16/2010	Temp 38.8 B.P. 29.55	Isobutelcyne	10 PPM	0.0	10.2		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project #

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	NA	NA	OK	0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA	OK	0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	NA	NA	OK	0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	NA	NA	OK	0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	NA	NA	OK	0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	NA	NA	OK	0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	NA	NA	OK	0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	OK	0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	NA	NA	OK	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	NA	NA	OK	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	NA	NA	OK	0		AJA
9/7/2010	Temp 65.7, B.P. 29.18	NA	NA	OK	0		AJA
9/8/2010	Temp 58.9, B.P. 29.21	NA	NA	OK	0		AJA
9/9/2010	Temp 54.6, B.P. 29.15	NA	NA	OK	0		AJA
9/10/2010	Temp 59.4, B.P. 29.13	NA	NA	OK	0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	NA	NA	OK	0		DSS
11/11/2010	Temp 42.9 B.P. 30.45	NA	NA	OK	0		DSS
11/12/2010	Temp 43.1 B.P. 28.95	NA	NA	OK	0		DSS
11/13/2010	Temp 44.9 B.P. 29.35	NA	NA	OK	0		DSS
11/15/2010	Temp 46.8 B.P. 29.41	NA	NA	OK	0		DSS
11/16/2010	Temp 38.8 B.P. 29.55	NA	NA	OK	0		DSS
11/17/2010	Temp 42.8 B.P. 29.45	NA	NA	OK	0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: ppeRAE plus*
Manufacturer: RAE Systems
Serial No.: 250-103008

Project: Ameren Taylorville
Project # 090-290

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
9/27/2011	Temp 62.0, B.P. 29.25	Isobuteleyne	10 PPM	0.0	10.1		AJA
9/28/2011	Temp 53.6, B.P. 29.27	Isobuteleyne	10PPM	0.0	10.2		
9/29/2011	Temp 50.5, B.P. 29.27	Isobuteleyne	10PPM	0.0	10.2		
9/30/2011	Temp 53.3, B.P. 29.42	Isobuteleyne	10PPM	0.0	10.2		
10/1/2011	Temp 40.1, B.P. 29.66	Isobuteleyne	10PPM	0.0	9.9		
10/3/2011	Temp 47.0, B.P. 29.66	Isobuteleyne	10PPM	0.0	10.1		
10/4/2011	Temp 44.3, B.P. 29.69	Isobuteleyne	10PPM	0.0	10.1		
10/5/2011	Temp 47.1, B.P. 29.67	Isobuteleyne	10PPM	0.0	10.2		

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: ppeRAE plus*
Manufacturer: RAE Systems
Serial No.: 250-103008

Project: Ameren Taylorville
Project # 090-290

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
9/27/2011	Temp 62.0, B.P. 29.25	Isobuteleyne	10 PPM	0.0	10.1		AJA
9/28/2011	Temp 53.6, B.P. 29.27	Isobuteleyne	10PPM	0.0	10.2		AJA
9/29/2011	Temp 50.5, B.P. 29.27	Isobuteleyne	10PPM	0.0	10.2		AJA
9/30/2011	Temp 53.3, B.P. 29.42	Isobuteleyne	10PPM	0.0	10.2		AJA
10/1/2011	Temp 40.1, B.P. 29.66	Isobuteleyne	10PPM	0.0	9.9		AJA
10/3/2011	Temp 47.0, B.P. 29.66	Isobuteleyne	10PPM	0.0	10.1		AJA
10/4/2011	Temp 44.3, B.P. 29.69	Isobuteleyne	10PPM	0.0	10.1		AJA
10/5/2011	Temp 47.1, B.P. 29.67	Isobuteleyne	10PPM	0.0	10.2		AJA
12/6/2011	Temp 37.8, B.P. 29.47	Isobuteleyne	100PPM	0.0	103.0		AJA
12/7/2011	Temp 31.9, B.P. 29.43	Isobuteleyne	100PPM	0.0	103.0		AJA
12/8/2011	Temp 24.5, B.P. 29.52	Isobuteleyne	100PPM	0.0	103.0		AJA
12/9/2011	Temp 31.6, B.P. 29.58	Isobuteleyne	100PPM	0.0	102.0		AJA
12/11/2011	Temp 23.1, B.P. 29.79	Isobuteleyne	100PPM	0.0	103.0		AJA
12/12/2011	Temp 25.2, B.P. 29.71	Isobuteleyne	100PPM	0.0	102.0		AJA
12/13/2011	Temp 39.6, B.P. 29.71	Isobuteleyne	100PPM	0.0	101.0		AJA
12/14/2011	Temp 46.5, B.P. 29.38	Isobuteleyne	100PPM	0.0	103.0		AJA
2/28/2012	Temp 30.6, B.P. 29.74	Isobuteleyne	10.0 PPM	0.0	10.1		AJA
2/29/2012	Temp 55.3, B.P. 28.98	Isobuteleyne	10.0 PPM	0.0	10.0		AJA
3/1/2012	Temp 32.9, B.P. 29.21	Isobuteleyne	10.0 PPM	0.0	10.2		AJA
3/2/2012	Temp 47.1, B.P. 28.73	Isobuteleyne	10.0 PPM	0.0	10.2		AJA
3/5/2012	Temp 21.5, B.P. 29.63	Isobuteleyne	10.0 PPM	0.0	10.1		AJA
3/6/2012	Temp 42.2, B.P. 29.45	Isobuteleyne	10.0 PPM	0.0	10.0		AJA
3/7/2012	Temp 54.4, B.P. 29.39	Isobuteleyne	10.0 PPM	0.0	10.0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer: Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project # 090-290

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
9/27/2011	Temp 62.0, B.P. 29.25	NA	NA	OK	0		AJA
9/28/2011	Temp 53.6, B.P. 29.27	NA	NA	OK	0		AJA
9/29/2011	Temp 50.5, B.P. 29.27	NA	NA	OK	0		AJA
9/30/2011	Temp 53.3, B.P. 29.42	NA	NA	OK	0		AJA
10/1/2011	Temp 40.1, B.P. 29.66	NA	NA	OK	0		AJA
10/3/2011	Temp 47.0, B.P. 29.66	NA	NA	OK	0		AJA
10/4/2011	Temp 44.3, B.P. 29.69	NA	NA	OK	0		AJA
10/5/2011	Temp 47.1, B.P. 29.67	NA	NA	OK	0		AJA
12/6/2011	Temp 37.8, B.P. 29.47	NA	NA	OK	0		AJA
12/7/2011	Temp 31.9, B.P. 29.43	NA	NA	OK	0		AJA
12/8/2011	Temp 24.5, B.P. 29.52	NA	NA	OK	0		AJA
12/9/2011	Temp 31.6, B.P. 29.58	NA	NA	OK	0		AJA
12/11/2011	Temp 23.1, B.P. 29.79	NA	NA	OK	0		AJA
12/12/2011	Temp 25.2, B.P. 29.71	NA	NA	OK	0		AJA
12/13/2011	Temp 39.6, B.P. 29.71	NA	NA	OK	0		AJA
12/14/2011	Temp 46.5, B.P. 29.38	NA	NA	OK	0		AJA
2/28/2012	Temp 30.6, B.P. 29.74	NA	NA	OK	0		AJA
2/29/2012	Temp 55.3, B.P. 28.98	NA	NA	OK	0		AJA
3/1/2012	Temp 32.9, B.P. 29.21	NA	NA	OK	0		AJA
3/2/2012	Temp 47.1, B.P. 28.73	NA	NA	OK	0		AJA
3/5/2012	Temp 21.5, B.P. 29.63	NA	NA	OK	0		AJA
3/6/2012	Temp 42.2, B.P. 29.45	NA	NA	OK	0		AJA
3/7/2012	Temp 54.4, B.P. 29.39	NA	NA	OK	0		AJA

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer: Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project #

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
3/16/2011	Temp 32.5, B.P. 29.72	NA	NA	OK	0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer: Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project #

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
3/16/2011	Temp 32.5, B.P. 29.72	NA	NA	OK	0		DSS
3/17/2011	Temp 50.1, B.P. 29.42	NA	NA	OK	0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 090-290

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
3/16/2011	Temp 32.5, B.P. 29.72	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/17/2011	Temp 50.1, B.P. 29.42	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/18/2011	Temp 50.8, B.P. 29.59	Isobuteleyne	10 PPM	0.0	10.0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 090-290

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
3/16/2011	Temp 32.5, B.P. 29.72	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/17/2011	Temp 50.1, B.P. 29.42	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/18/2011	Temp 50.8, B.P. 29.59	Isobutelcyne	10 PPM	0.0	10.0		DSS
3/19/2011	Temp 40.2, B.P. 29.31	Isobuteleyne	10 PPM	0.0	10.0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 090-290

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
3/16/2011	Temp 32.5, B.P. 29.72	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/17/2011	Temp 50.1, B.P. 29.42	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/18/2011	Temp 50.8, B.P. 29.59	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/19/2011	Temp 40.2, B.P. 29.31	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/21/2011	Temp 52.8, B.P. 29.43	Isobuteleyne	10 PPM	0.0	10.0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: *model: MiniRAE2000*
Manufacturer: RAE Systems
Serial No.: 110-007228

Project: Ameren Taylorville
Project # 090-290

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
3/16/2011	Temp 32.5, B.P. 29.72	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/17/2011	Temp 50.1, B.P. 29.42	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/18/2011	Temp 50.8, B.P. 29.59	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/19/2011	Temp 40.2, B.P. 29.31	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/21/2011	Temp 52.8, B.P. 29.43	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/22/2011	Temp 53.2, B.P. 29.17	Isobuteleyne	10 PPM	0.0	10.0		DSS

REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: pDR-1500
Manufacturer: Thermo MIE
Serial No.: 5230

Project: Ameren Taylorville
Project #

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
3/16/2011	Temp 32.5, B.P. 29.72	NA	NA	OK	0		DSS
3/17/2011	Temp 50.1, B.P. 29.42	NA	NA	OK	0		DSS
3/18/2011	Temp 50.8, B.P. 29.59	NA	NA	OK	0		DSS
3/19/2011	Temp 40.2, B.P. 29.31	NA	NA	OK	0		DSS
3/21/2011	Temp 52.8, B.P. 29.43	NA	NA	OK	0		DSS
3/22/2011	Temp 53.2, B.P. 29.17	NA	NA	OK	0		DSS
3/23/2011	Temp 53.7, B.P. 28.94	NA	NA	OK	0		DSS

APPENDIX D

METEOROLOGICAL MONITORING DATA

Taylorville MGP Met Data August 2010

Item Date	WS (MPH)	WD (Deg)	AT (Deg F)	RH (%)	BP ("Hg)	RN (in)
1	----	----	----	----	----	----
2	----	----	----	----	----	----
3	----	----	----	----	----	----
4	----	----	----	----	----	----
5	----	----	----	----	----	----
6	----	----	----	----	----	----
7	----	----	----	----	----	----
8	----	----	----	----	----	----
9	----	----	----	----	----	----
10	----	----	----	----	----	----
11	----	----	----	----	----	----
12	----	----	----	----	----	----
13	----	----	----	----	----	----
14	----	----	----	----	----	----
15	----	----	----	----	----	----
16	----	----	----	----	----	----
17	----	----	----	----	----	----
18	----	----	----	----	----	----
19	1.2	190.9	82.8	70.9	29.81	0.05
20	1.5	146.2	76.6	82.7	29.74	2.07
21	1.7	223.9	77	81.9	29.78	0
22	2.6	68.6	78.7	71.5	29.94	0
23	2.2	67.4	74.9	72.6	29.93	0
24	1.9	119.7	75.4	71.2	29.92	0
25	2.3	215	71	60.5	30.01	0
26	1.3	195.9	67.6	69.8	30.06	0
27	1.1	125.5	69.4	68.4	30.02	0
28	1.2	123.2	74.2	69.6	29.97	0
29	1.6	123.1	79.3	71.8	30.01	0
30	1.6	84.9	74.9	84.7	30.05	0.11
31	1.8	116.7	79.2	77	29.96	0.01
Sum	22		980.9 9	52.5 3	89.21	2.24
Average	1.7	135.8	75.5	73.3	29.94	0.17
Maximum	2.6		82.8	84.7	30.06	2.07
Date	22		19	30	26	20
Minimum	1.1		67.6	60.5	29.74	0
Date	27		26	25	20	21

Taylorville MGP Met Data September 2010

Item Date	WS (MPH)	WD (Deg)	AT (Deg F)	RH (%)	BP ("Hg)	RN (in)
1	1.4	138.7	73.8	87.5	29.87	0.2
2	2.2	162.8	74.4	85.4	29.79	3.05
3	2.6	218.4	65.6	67.7	29.87	0
4	1.9	220.6	60.8	68.3	29.94	0
5	1.4	158.8	64.7	70.9	29.25	0
6	2.1	121.9	71.5	63.9	28.71	0
7	1.8	215.1	69	63	27.39	0
8	1.4	208	66.1	62	26.89	0
9	2.2	94.9	64.1	72.4	26.88	0
10	2.7	61.9	62.9	85.5	26.88	0.6
11	1.7	203.9	65.7	90.8	26.88	0.63
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
Sum	21.4		738.5 8	17.3	312.34	4.48
Average	1.9	169.2	67.1	74.3	28.39	0.41
Maximum	2.7		74.4	90.8	29.94	3.05
Date	10		2	11	4	2
Minimum	1.4		60.8	62	26.88	0
Date	5		4	8	10	3

Taylorville MGP Met Data November 2010

Item Date	WS (MPH)	WD (Deg)	AT (Deg F)	RH (%)	BP ("Hg)	RN (in)
1	----	----	----	----	----	----
2	----	----	----	----	----	----
3	----	----	----	----	----	----
4	----	----	----	----	----	----
5	----	----	----	----	----	----
6	----	----	----	----	----	----
7	----	----	----	----	----	----
8	----	----	----	----	----	----
9	----	----	----	----	----	----
10	2	163.8	62.8	58.7	29.97	0.01
11	1.7	111.4	59.2	68.9	30.17	0
12	1.7	109.8	59.8	52.8	30.09	0
13	3.5	229.7	48.2	70.4	29.87	0.11
14	2.2	208.4	40.5	62.9	29.86	0
15	1.6	176.5	43.1	66.2	29.76	0
16	1.5	8	38.4	70.6	29.59	0
17	2.1	249.3	39.9	76.2	29.95	0
18	1.6	211.9	39.2	80.9	30.14	0.02
19	----	----	----	----	----	----
20	----	----	----	----	----	----
21	----	----	----	----	----	----
22	----	----	----	----	----	----
23	----	----	----	----	----	----
24	----	----	----	----	----	----
25	----	----	----	----	----	----
26	----	----	----	----	----	----
27	----	----	----	----	----	----
28	----	----	----	----	----	----
29	----	----	----	----	----	----
30	----	----	----	----	----	----
Sum	17.8		431	607.6	269.4	0.14
Average	2	184.6	47.9	67.5	29.93	0.02
Maximum	3.5		62.8	80.9	30.17	0.11
Date	13		10	18	11	13
Minimum	1.5		38.4	52.8	29.59	0
Date	16		16	12	16	11
Standard # above	----	----	----	----	----	----
Valid	30%	30%	30%	30%	30%	30%

Taylorville Met Data March 2011

Item Date	WS (MPH)	WD (Deg)	AT (Deg F)	RH (%)	BP ("Hg)	RN (in)
1	----	----	----	----	----	----
2	----	----	----	----	----	----
3	----	----	----	----	----	----
4	----	----	----	----	----	----
5	----	----	----	----	----	----
6	----	----	----	----	----	----
7	----	----	----	----	----	----
8	----	----	----	----	----	----
9	----	----	----	----	----	----
10	----	----	----	----	----	----
11	----	----	----	----	----	----
12	----	----	----	----	----	----
13	----	----	----	----	----	----
14	----	----	----	----	----	----
15	----	----	----	----	----	----
16	2.6	31.8	56.2	249.9	30.07	0.00
17	3.0	24.8	60.5	249.9	29.75	0.00
18	2.4	209.5	50.8	249.9	29.47	0.00
19	3.8	254.8	46.7	249.9	29.59	0.00
20	3.7	355.6	58.4	249.9	29.42	0.00
21	2.1	41.6	66.9	249.9	29.36	0.00
22	3.0	358.0	63.3	249.9	29.22	0.00
23	3.7	56.1	62.7	249.9	29.08	0.00
24	----	----	----	----	----	----
25	----	----	----	----	----	----
26	----	----	----	----	----	----
27	----	----	----	----	----	----
28	----	----	----	----	----	----
29	----	----	----	----	----	----
30	----	----	----	----	----	----
31	----	----	----	----	----	----
Sum	24.3		465.5	1999.5	235.97	0.00
Average	3.0	12.5	58.2	249.9	29.50	0.00
Maximum	3.8		66.9	249.9	30.07	0.00
Date	19		21	16	16	16
Minimum	2.1		46.7	249.9	29.08	0.00
Date	21		19	16	23	16
Standard # above	----	----	----	----	----	----
Valid	26%	26%	26%	26%	26%	26%

WS(MPH)	WD(DEG)	AT(F)	RH(%)	BP(HG)	RN(in)	Date Time
3.1	224.3	57.7	75.7	29.24	0	9/27/2011 12:00
3.2	226.5	60.7	70.8	29.24	0	9/27/2011 13:00
2.9	223.7	61.1	69	29.25	0	9/27/2011 14:00
2.9	224.4	62.6	67.5	29.24	0	9/27/2011 15:00
2.3	215.5	63.1	67.6	29.24	0	9/27/2011 16:00
2.6	227.3	64.3	65.3	29.24	0	9/27/2011 17:00
1.6	221.1	62.4	71.3	29.25	0	9/27/2011 18:00
0.7	225.7	60.2	76.9	29.26	0	9/27/2011 19:00
0.6	232	57.7	86.1	29.27	0	9/27/2011 20:00
0.7	182.6	55.8	92.1	29.27	0	9/27/2011 21:00
0.8	238.2	55.8	89.1	29.28	0	9/27/2011 22:00
0.6	257.8	53.3	91.5	29.27	0	9/27/2011 23:00
0.6	276.3	52.6	93	29.26	0	9/28/2011 00:00
0.6	228	52.6	92.9	29.26	0	9/28/2011 01:00
0.6	224	52.3	91.1	29.25	0	9/28/2011 02:00
0.6	207.9	52.6	90.5	29.25	0.03	9/28/2011 03:00
0.6	238.5	52.2	93.1	29.24	0.01	9/28/2011 04:00
0.6	221.5	52.3	94.1	29.24	0	9/28/2011 05:00
0.6	203.5	52.8	94.5	29.24	0	9/28/2011 06:00
0.7	163.5	53.3	94.7	29.25	0	9/28/2011 07:00
0.6	201.9	53.6	94.8	29.26	0	9/28/2011 08:00
0.6	186.1	55.2	95	29.26	0	9/28/2011 09:00
0.6	134.7	58.7	90.3	29.27	0	9/28/2011 10:00
2.2	202.7	64.5	68.6	29.28	0	9/28/2011 11:00
2.3	225.4	66.3	64.5	29.27	0	9/28/2011 12:00
2.6	218.2	68.1	59.1	29.27	0	9/28/2011 13:00
2.5	209.3	69.4	56.1	29.26	0	9/28/2011 14:00
2.2	224	69.5	56	29.25	0	9/28/2011 15:00
1.8	216.7	68.1	62.5	29.25	0	9/28/2011 16:00
2.1	220.2	69.1	57.3	29.26	0	9/28/2011 17:00
1.1	222.5	66.6	64.7	29.26	0	9/28/2011 18:00
0.7	220.9	62.3	73.6	29.26	0	9/28/2011 19:00
0.6	240	59.7	77.7	29.26	0	9/28/2011 20:00
0.6	236.1	58.1	80.7	29.28	0	9/28/2011 21:00
0.6	243.5	56	84.6	29.27	0	9/28/2011 22:00
0.6	195.1	54	89.2	29.27	0	9/28/2011 23:00
0.6	206.6	53.2	92.3	29.27	0	9/29/2011 00:00
0.6	181.7	51.6	93.1	29.27	0	9/29/2011 01:00
0.6	287.4	51.2	93.8	29.27	0	9/29/2011 02:00
0.6	284	51.3	94.2	29.27	0	9/29/2011 03:00
0.6	320.7	50.5	94.2	29.27	0	9/29/2011 04:00
0.6	192.7	49.6	94.2	29.26	0	9/29/2011 05:00
0.6	263.7	49.2	94.3	29.26	0	9/29/2011 06:00
0.6	308.8	49.4	94.5	29.26	0	9/29/2011 07:00
0.6	287.8	51.8	95.1	29.27	0	9/29/2011 08:00
0.6	211.8	57.7	90.8	29.27	0	9/29/2011 09:00

1.2	209.4	67.2	76.9	29.26	0	9/29/2011 10:00
3.1	236.2	75.6	57.6	29.24	0	9/29/2011 11:00
3.5	219	79.9	45.6	29.22	0	9/29/2011 12:00
3.9	222.3	82.9	40.3	29.2	0	9/29/2011 13:00
6.5	233.7	82.2	38.2	29.21	0	9/29/2011 14:00
5.7	223.7	78.1	37.9	29.24	0	9/29/2011 15:00
5.8	233	74.9	29.3	29.26	0	9/29/2011 16:00
3.8	231	69.6	36.9	29.26	0	9/29/2011 17:00
3.2	231.5	67.7	41.6	29.27	0	9/29/2011 18:00
1.5	209.1	64.2	48.4	29.26	0	9/29/2011 19:00
1.4	219.9	61.1	54.3	29.26	0	9/29/2011 20:00
5.5	228.3	63.8	44.8	29.29	0	9/29/2011 21:00
5.9	231.7	63.5	44.8	29.32	0	9/29/2011 22:00
4.3	233.6	62	47.9	29.32	0	9/29/2011 23:00
4.3	234.8	60.8	50.7	29.32	0	9/30/2011 00:00
4.3	233.5	59.7	52.7	29.32	0	9/30/2011 01:00
5.8	233	59.6	52	29.33	0	9/30/2011 02:00
5.2	231.7	58.4	52	29.35	0	9/30/2011 03:00
4.5	234.7	57.1	51.7	29.35	0	9/30/2011 04:00
4.4	233.1	56.1	48.5	29.37	0	9/30/2011 05:00
4.4	234	55.2	49.9	29.39	0	9/30/2011 06:00
3.9	234.1	53.8	52.9	29.41	0	9/30/2011 07:00
4	234.2	53.8	54.3	29.43	0	9/30/2011 08:00
5.1	231	56.5	50.4	29.46	0	9/30/2011 09:00
5.4	225.3	58.8	46	29.49	0	9/30/2011 10:00
5.1	233.5	61.5	42.8	29.51	0	9/30/2011 11:00
5.4	230.2	64	35.7	29.51	0	9/30/2011 12:00
5.2	235.1	66.6	32	29.5	0	9/30/2011 13:00
5.2	231.3	68	30.4	29.49	0	9/30/2011 14:00
5.4	233.4	68.8	29.5	29.48	0	9/30/2011 15:00
4.6	230.5	69.1	31.9	29.47	0	9/30/2011 16:00
5.1	232.3	67.8	34.1	29.47	0	9/30/2011 17:00
4.1	208.2	66.1	37.1	29.48	0	9/30/2011 18:00
2.4	171.1	62.9	43.5	29.49	0	9/30/2011 19:00
1.4	172.9	58.9	48.3	29.5	0	9/30/2011 20:00
1	223.1	56.4	52.3	29.51	0	9/30/2011 21:00
0.9	245.1	54.2	56.5	29.53	0	9/30/2011 22:00
2.5	99.6	52.1	61.3	29.54	0	9/30/2011 23:00
3.3	57.6	50.3	66.1	29.56	0	10/1/2011 00:00
1.1	164.8	48.2	69.8	29.57	0	10/1/2011 01:00
0.7	250.4	44.9	77.5	29.57	0	10/1/2011 02:00
0.6	188.3	43.4	80.3	29.59	0	10/1/2011 03:00
0.6	248.4	43.1	80.9	29.6	0	10/1/2011 04:00
0.6	237.7	42.6	81.5	29.61	0	10/1/2011 05:00
0.8	231.1	41.8	81.2	29.63	0	10/1/2011 06:00
1.3	244.3	40.8	82.9	29.65	0	10/1/2011 07:00
1.5	234.6	41.3	80.7	29.68	0	10/1/2011 08:00

2	214.3	45.1	73.5	29.7	0	10/1/2011 09:00
2.5	126.3	50.7	64	29.71	0	10/1/2011 10:00
3	162.8	55.2	55.1	29.73	0	10/1/2011 11:00
3.4	160.3	57.3	49.5	29.72	0	10/1/2011 12:00
3.8	141	59.5	45.9	29.71	0	10/1/2011 13:00
3.7	186.3	61.7	41.7	29.69	0	10/1/2011 14:00
3.7	213.7	63.2	37.6	29.67	0	10/1/2011 15:00
3.6	111.4	64	34.5	29.66	0	10/1/2011 16:00
3.6	234	62.4	35.4	29.65	0	10/1/2011 17:00
2.9	237.7	61.3	37.1	29.65	0	10/1/2011 18:00
2.2	237.1	58.8	40.9	29.65	0	10/1/2011 19:00
1.1	237.9	55.4	45.9	29.66	0	10/1/2011 20:00
0.8	249.7	52.9	49.7	29.66	0	10/1/2011 21:00
0.7	247.6	51.1	53.4	29.67	0	10/1/2011 22:00
0.6	146.7	47.6	60.6	29.67	0	10/1/2011 23:00
0.6	70.8	45.6	65.2	29.67	0	10/2/2011 00:00
0.6	169.5	43.1	73.6	29.67	0	10/2/2011 01:00
0.6	25.3	40.7	79.6	29.67	0	10/2/2011 02:00
0.6	184.4	39.6	83.1	29.68	0	10/2/2011 03:00
0.6	248.2	38	85.6	29.68	0	10/2/2011 04:00
0.6	245.2	37.2	87.2	29.68	0	10/2/2011 05:00
0.6	247.9	36.3	88.3	29.68	0	10/2/2011 06:00
0.6	191.7	36.1	89.6	29.69	0	10/2/2011 07:00
0.6	256.7	38.6	90	29.7	0	10/2/2011 08:00
1	231	45.5	73.8	29.71	0	10/2/2011 09:00
1.8	157.2	52.4	61.9	29.72	0	10/2/2011 10:00
2.1	187.4	58	54	29.73	0	10/2/2011 11:00
3.2	225	60.6	45.4	29.71	0	10/2/2011 12:00
3.3	223.7	63.5	37.8	29.7	0	10/2/2011 13:00
2.9	223.6	66.4	31.3	29.67	0	10/2/2011 14:00
2.8	225.9	67.7	27.2	29.65	0	10/2/2011 15:00
2.5	225.1	68.4	23.1	29.63	0	10/2/2011 16:00
2.3	226.8	66.9	24.6	29.61	0	10/2/2011 17:00
1.2	220	63.8	34.3	29.61	0	10/2/2011 18:00
0.6	230.6	58	44.9	29.6	0	10/2/2011 19:00
0.6	234.8	53.6	56	29.61	0	10/2/2011 20:00
0.6	244.7	51.5	61.9	29.61	0	10/2/2011 21:00
0.6	241.7	50.2	65.2	29.6	0	10/2/2011 22:00
0.6	243.9	48.9	67	29.6	0	10/2/2011 23:00
0.6	245.9	47.2	71	29.6	0	10/3/2011 00:00
0.6	247.3	45	76.7	29.6	0	10/3/2011 01:00
0.6	145.1	44.2	79.6	29.61	0	10/3/2011 02:00
0.6	184	42.6	83	29.6	0	10/3/2011 03:00
0.6	216.4	42.1	82.6	29.6	0	10/3/2011 04:00
0.6	247	42	80.8	29.61	0	10/3/2011 05:00
0.6	207.8	41.6	80.4	29.62	0	10/3/2011 06:00
0.6	217.6	41.5	81.7	29.63	0	10/3/2011 07:00

0.6	265.8	44	77.7	29.65	0	10/3/2011 08:00
0.8	228.3	52.2	62.7	29.66	0	10/3/2011 09:00
1.6	221.9	61.4	45.1	29.67	0	10/3/2011 10:00
1.9	214.7	67.7	34.9	29.68	0	10/3/2011 11:00
2	168.2	71.5	31	29.67	0	10/3/2011 12:00
2.5	230.6	73.1	28.8	29.65	0	10/3/2011 13:00
2.5	208.1	75.1	26.5	29.63	0	10/3/2011 14:00
2.7	217	75.8	26.9	29.61	0	10/3/2011 15:00
2.2	213.8	76.1	27.1	29.6	0	10/3/2011 16:00
1.6	226.4	73.3	31.9	29.6	0	10/3/2011 17:00
0.8	219.7	69.5	39.1	29.6	0	10/3/2011 18:00
0.6	243.2	64.6	47.7	29.6	0	10/3/2011 19:00
0.6	257.6	59.2	59.4	29.6	0	10/3/2011 20:00
0.6	193.8	56.4	66.9	29.61	0	10/3/2011 21:00
0.6	229.6	53.9	76.7	29.61	0	10/3/2011 22:00
0.6	188.8	52	78.5	29.62	0	10/3/2011 23:00

Taylorville Met Data December 2011

Item Date	WS (MPH)	WD (Deg)	AT (Deg F)	RH (%)	BP ("Hg)	RN (in)
1	----	----	----	----	----	----
2	----	----	----	----	----	----
3	----	----	----	----	----	----
4	----	----	----	----	----	----
5	----	----	----	----	----	----
6	0.60	359.60	35.80	74.90	30.02	0.01
7	0.60	327.10	30.50	73.90	29.99	0.00
8	0.70	324.80	34.00	69.90	30.06	0.00
9	1.10	51.70	28.80	68.00	30.21	0.02
10	1.00	216.50	23.40	67.60	30.37	0.00
11	1.10	196.00	31.50	70.80	30.28	0.01
12	0.70	170.00	37.20	62.80	30.23	0.00
13	0.70	188.20	41.70	88.80	30.20	0.15
14	2.40	205.50	51.40	90.10	29.84	0.53
15	3.20	230.20	54.60	89.00	29.70	0.11
16	----	----	----	----	----	----
17	----	----	----	----	----	----
18	----	----	----	----	----	----
19	----	----	----	----	----	----
20	----	----	----	----	----	----
21	----	----	----	----	----	----
22	----	----	----	----	----	----
23	----	----	----	----	----	----
24	----	----	----	----	----	----
25	----	----	----	----	----	----
26	----	----	----	----	----	----
27	----	----	----	----	----	----
28	----	----	----	----	----	----
29	----	----	----	----	----	----
30	----	----	----	----	----	----
31	----	----	----	----	----	----
Sum	15.1		-126.2	2005.6	5 8.64	0.83
Average	1	329.8	-8.4	133.7	33.91	0.06
Maximum	3.2		54.6	249.9	41.55	0.53
Date	15		15	1	1	14
Minimum	0.6		-99	62.8	29.7	0
Date	1		1	12	15	1
Standard # above	----	----	----	----	----	----
Valid	48%	48%	48%	48%	48%	48%

Taylorville Febuary to March 2012 Weather Data

Febuary

Item Date	WS (MPH)	WD (Deg)	AT (Deg F)	RH (%)	BP ("Hg)	RN (in)
1	----	----	----	----	----	----
2	----	----	----	----	----	----
3	----	----	----	----	----	----
4	----	----	----	----	----	----
5	----	----	----	----	----	----
6	----	----	----	----	----	----
7	----	----	----	----	----	----
8	----	----	----	----	----	----
9	----	----	----	----	----	----
10	----	----	----	----	----	----
11	----	----	----	----	----	----
12	----	----	----	----	----	----
13	----	----	----	----	----	----
14	----	----	----	----	----	----
15	----	----	----	----	----	----
16	----	----	----	----	----	----
17	----	----	----	----	----	----
18	----	----	----	----	----	----
19	----	----	----	----	----	----
20	----	----	----	----	----	----
21	----	----	----	----	----	----
22	----	----	----	----	----	----
23	----	----	----	----	----	----
24	4.4	2	79.8	34.5	58.5	29.89	0.01
25	2.0	2	59.1	29.6	60.8	30.1	0
26	1.8	2	16.9	43.2	52.7	30	0
27	1.5	3	57.8	39.4	48.4	30.24	0
28	2.0	1	40	44.4	62.3	30	0
29	4.3	2	67.6	55.9	52.6	29.54	0
Sum	16.6		315.9	3	65.4	210.02	0.02
Average	2.4	2	42.2	45.1	52.2	30	0
Maximum	4.4		69	62.3	30.25	0.01
Date	24		17	28	17	17
Minimum	0.6		29.6	30.1	29.54	0
Date	17		25	17	29	25
Standard # above	----		----	----	----	----	
Valid	24%	24%	24%	24%	24%	24%

March

Item Date	WS (MPH)	WD (Deg)	AT (Deg F)	RH (%)	BP ("Hg)	RN (in)
1	1.8 2	18.2	43.8	58.9	29.67	0
2	3.1 2	46.9	42.7	78.4	29.43	0.31
3	3.0 2	81.2	32.5	69.8	29.73	0.01
4	1.4 2	89.2	30.5	75	29.8	0
5	1.1 2	38.2	31.9	69.2	30.16	0.14
6	2.7 2	29.1	53.6	48.1	29.95	0
7	3.2 2	30.5	59.3	52.9	29.91	0
8	----	----	----	----	----	----
9	----	----	----	----	----	----
10	----	----	----	----	----	----
11	----	----	----	----	----	----
12	----	----	----	----	----	----
13	----	----	----	----	----	----
14	----	----	----	----	----	----
15	----	----	----	----	----	----
16	----	----	----	----	----	----
17	----	----	----	----	----	----
18	----	----	----	----	----	----
19	----	----	----	----	----	----
20	----	----	----	----	----	----
21	----	----	----	----	----	----
22	----	----	----	----	----	----
23	----	----	----	----	----	----
24	----	----	----	----	----	----
25	----	----	----	----	----	----
26	----	----	----	----	----	----
27	----	----	----	----	----	----
28	----	----	----	----	----	----
29	----	----	----	----	----	----
30	----	----	----	----	----	----
31	----	----	----	----	----	----
Sum	16.4		294.3 4	52.3	208.64	0.46
Average	2.3 2	47	42	64.6	29.81	0.07
Maximum	3.2		59.3	78.4	30.16	0.31
Date	7		7	2	5	2
Minimum	1.1		30.5	48.1	29.43	0
Date	5		4	6	2	1
Standard # above	----	----	----	----	----	----
Valid	23%	23%	23%	23%	23%	23%

APPENDIX E

ANALYTICAL RESULTS (on CD)

APPENDIX F

ANALYTICAL DATA VALIDATION REPORTS

Radiellos			Taylorville: 1009087		
TO-15 Laboratory QC Criteria	**Data Quality Objective**	**Performance Standard**	**Yes**	**No**	**Comments**
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15	X		
		Every 24 hours	X		Tune performed on 9/7/10 @ 0917
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	X		9 standards prepared
		The low standard must be ≤ reporting limit	X		
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method	X		
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	X		LCS serves as 2nd source
		Std should be at the mid point	X		
		All target analyts must be present	X		all target analytes present
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	X		performed 9/7/10 @ 0930
		Must meet the criteria in Section 10.6 of the method	X		
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	X		
		Must meet the criteria in Section 10.7 of the method	X		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	X		
		Different source that the calibration standard source	X		
		Should be at least at the mid-point of the intial calibration curve	X		
		Must contain all the target analytes	X		
		Must meet the criteria in Section 11.4 of the method	X		
Sample Replicates	Method Precision	1 - Duplicate analyzed every 20 samples, preferably a sample with analytes		X	Not Indicated/Unnecessary
		Matrix Spike/Matrix Spike Duplicate meet Criteria		X	Not Indicated/Unnecessary
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8	X		
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)		X	1 IS used
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	X		
		Surrogate Recoveries	X		

Quantitation		Based on the IS (section 10.8.4 of method)	X		
		The IS used for Quantitation must be IS closest to the eluting Peak	X		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	X		
		If below RL reported as ND	X		
		If a dilution is performed- Highest detetected analyte must be in the upper half of the calibration curve unless a single analyte is so high as to saturate the detectoy	X		
		Compounds exceeding the range should be flagged with an "E"			No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv			Not Indicated

Chain of Custody	signed		X		
	dated		X		
	Temp (°C)		X		
	Custody Seal on Samples		X		
Sample Holding Times	Collected		X		
	Received		X		
	Extracted		X		
	Analyzed		X		

Radiellos			Taylorville: 1009189		
TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes	No	Comments
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15	X		All Criteria Met
		Every 24 hours	X		Tune performed on 9/20/10, Samples Analyzed 9/20/10
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	X		9 Standards Used
		The low standard must be ≤ reporting limit	X		
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method	X		Ethanol Spike Failed % Recovery High
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	X		LCS Serves as 2nd Source
		Std should be at the mid point	X		
		All target analyts must be present	X		All Target Analytes Present
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	X		Ccal Performed on 9/20/10 @ 0947 prior to sample analysis
		Must meet the criteria in Section 10.6 of the method	X		
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	X		Method Blank Analyzed 9/20/10 @ 1103 prior to sample analysis
		Must meet the criteria in Section 10.7 of the method	X		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	X		LCS Analyzed 9/20/10 @ 1017 prior to sample analysis
		Different source that the calibration standard source	X		
		Should be at least at the mid-point of the intial calibration curve	X		
		Must contain all the target analytes	X		All Target Analytes Present
		Must meet the criteria in Section 11.4 of the method	X		
Sample Replicates	Method Precision	1 - Duplicate analyzed every 20 samples, preferably a sample with analytes		X	Not Indicated/Unnecessary
		Matrix Spike/Matrix Spike Duplicate meet Criteria		X	Not Indicated/Unnecessary
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8	X		
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)		X	1 IS Used
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	X		
		Surrogate Recoveries	X		

Quantitation		Based on the IS (section 10.8.4 of method)	X		
		The IS used for Quantitation must be IS closest to the eluting Peak	X		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	X		
		If below RL reported as ND	X		
		If a dilution is performed- Highest detetected analyte must be in the upper half of the calibration curve unless a single analyte is so high as to saturate the detectoy	X		
		Compounds exceeding the range should be flagged with an "E"			No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv			Not Indicated

Chain of Custody	signed		X		
	dated		X		
	Temp (°C)		X		
	Custody Seal on Samples		X		
Sample Holding Times	Collected		X		
	Received		X		
	Extracted		X		
	Analyzed		X		

Radiellos			Taylorville: 1011431B		
TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes	No	Comments
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15	X		All Criteria Met
		Every 24 hours	X		Tune performed 11/22/10 prior to sample analysis
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	X		12 Standards prepared
		The low standard must be ≤ reporting limit	X		
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method			
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	X		LCS Serves as 2nd source
		Std should be at the mid point	X		
		All target analyts must be present	X		All target analytes present
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	X		Performed 11/22/10 @ 1129 prior to sample analysis
		Must meet the criteria in Section 10.6 of the method	X		
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	X		Ran 11/22/10 @ 1501 prior to sample analysis
		Must meet the criteria in Section 10.7 of the method	X		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	X		Ran 11/22/10 @ 1416 prior to sample analysis
		Different source that the calibration standard source	X		
		Should be at least at the mid-point of the intial calibration curve	X		
		Must contain all the target analytes	X		All target analytes present
		Must meet the criteria in Section 11.4 of the method	X		
Sample Replicates	Method Precision	1 - Duplicate analyzed every 20 samples, preferably a sample with analytes		X	Not Indicated/Unnecessary
		Matrix Spike/Matrix Spike Duplicate meet Criteria		X	Not Indicated/Unnecessary
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8	X		
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS at retention times across the GC run (Section 9.2.2.3)		X	1 Internal Standard Used
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	X		
		Surrogate Recoveries	X		

Quantitation		Based on the IS (section 10.8.4 of method)	X		
		The IS used for Quantitation must be IS closest to the eluting Peak	X		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	X		
		If below RL reported as ND	X		
		If a dilution is performed- Highest detetected analyte must be in the upper half of the calibration curve unless a single analyte is so high as to saturate the detectoy	X		
		Compounds exceeding the range should be flagged with an "E"		X	No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv		X	Not Indicated

Chain of Custody	signed		X		
	dated		X		
	Temp (°C)		X		
	Custody Seal on Samples		X		
Sample Holding Times	Collected		X		
	Received		X		
	Extracted		X		
	Analyzed		X		

TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes	No	Comments
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15			
		Every 24 hours			
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method			
		The low standard must be ≤ reporting limit			
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method			
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source			
		Std should be at the mid point			
		All target analyts must be present			
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples			
		Must meet the criteria in Section 10.6 of the method			
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples			
		Must meet the criteria in Section 10.7 of the method			
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent			
		Different source that the calibration standard source			
		Should be at least at the mid-point of the intial calibration curve			
		Must contain all the target analytes			
		Must meet the criteria in Section 11.4 of the method			
Sample Replicates	Method Precision	1 - Duplicate analyzed every 20 samples, preferably a sample with analytes			
		Matrix Spike/Matrix Spike Duplicate meet Criteria			
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8			
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)			
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method			
		Surrogate Recoveries			

Quantitation		Based on the IS (section 10.8.4 of method)			
		The IS used for Quantitation must be IS closest to the eluting Peak			
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)			
		If below RL reported as ND			
		If a dilution is performed- Highest detetected analyte must be in the upper half of the calibration curve unless a single analyte is so high as to saturate the detectoy			
		Compounds exceeding the range should be flagged with an "E"			
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv			

Chain of Custody	signed				
	dated				
	Temp (°C)				Not indicated/unnecessary
	Custody Seal on Samples				
Sample Holding Times	Collected				
	Received				
	Extracted				Not indicated/unnecessary.
	Analyzed				

TO-15A			Taylorville: 1008731		
TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes	No	Comments
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15	X		All criteria met
		Every 24 hours	X		Tune on 9-8-10, Samples Analyzed 9-8-10
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	X		7 Standards prepared
		The low standard must be ≤ reporting limit	X		Low standard = 0.300, RL = 0.67
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method	X		All criteria met
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	X		LCS serves as 2nd source
		Std should be at the mid point	X		
		All target analyts must be present	X		All present
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	X		CCAL performed on 9-8-10 @ 0831
		Must meet the criteria in Section 10.6 of the method	X		All criteria met
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	X		Method Blank Analyzed on 9-8-10 @ 1156
		Must meet the criteria in Section 10.7 of the method	X		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	X		
		Different source that the calibration standard source	X		
		Should be at least at the mid-point of the intial calibration curve	X		
		Must contain all the target analytes	X		All target analytes present
		Must meet the criteria in Section 11.4 of the method	X		
Sample Replicates	Method Precision	1 - Duplicate analyzed every 20 samples, preferably a sample with analytes		X	Not indicated/unnecessary
		Matrix Spike/Matrix Spike Duplicate meet Criteria		X	Not indicated/unnecessary
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8	X		
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)	X		3 Internal standards used
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	X		
		Surrogate Recoveries	X		

Quantitation		Based on the IS (section 10.8.4 of method)	X		
		The IS used for Quantitation must be IS closest to the eluting Peak	X		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	X		
		If below RL reported as ND	X		
		If a dilution is performed- Highest detetected analyte must be in the upper half of the calibration curve unless a single analyte is so high as to saturate the detectoy	X		
		Compounds exceeding the range should be flagged with an "E"	X		No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv		X	Not Indicated

Chain of Custody	signed		X		
	dated		X		
	Temp (°C)			X	Not indicated/unnecessary
	Custody Seal on Samples			X	No custody seals present
Sample Holding Times	Collected		X		
	Received		X		
	Extracted			X	Not indicated/unnecessary.
	Analyzed		X		

TO-15A			Taylorville: 1009130		
TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes	No	Comments
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15	X		All criteria met
		Every 24 hours	X		Tune performed on 9-16-10 @ 0831, Samples Analyzed 9-16-10 post 0831
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	X		7 Standards prepared
		The low standard must be ≤ reporting limit	X		Low standard = 0.30000
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method	X		All criteria met
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	X		LCS serves as 2nd source
		Std should be at the mid point	X		
		All target analyts must be present	X		
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	X		Performed on 9-16-10 @ 0911 prior to sample analysis
		Must meet the criteria in Section 10.6 of the method	X		All criteria met
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	X		Analyzed 9-16-10 prior to samples
		Must meet the criteria in Section 10.7 of the method	X		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	X		
		Different source that the calibration standard source	X		
		Should be at least at the mid-point of the intial calibration curve	X		
		Must contain all the target analytes	X		
		Must meet the criteria in Section 11.4 of the method	X		
Sample Replicates	Method Precision	1 - Duplicate analyzed every 20 samples, preferably a sample with analytes		X	Not Indicated/Unnecessary
		Matrix Spike/Matrix Spike Duplicate meet Criteria		X	Not Indicated/Unnecessary
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8	X		
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)	X		3 IS used
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	X		
		Surrogate Recoveries	X		

Quantitation		Based on the IS (section 10.8.4 of method)	X		
		The IS used for Quantitation must be IS closest to the eluting Peak	X		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	X		
		If below RL reported as ND	X		
		If a dilution is performed- Highest detetected analyte must be in the upper half of the calibration curve unless a single analyte is so high as to saturate the detectoy	X		
		Compounds exceeding the range should be flagged with an "E"			No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv		X	Not Indicated

Chain of Custody	signed		X		
	dated		X		
	Temp (°C)			X	Not indicated/unnecessary
	Custody Seal on Samples		X		
Sample Holding Times	Collected		X		
	Received		X		
	Extracted			X	Not indicated/unnecessary.
	Analyzed		X		

TO-15A			Taylorville: 1011431A		
TO-15 Laboratory QC Criteria	**Data Quality Objective**	**Performance Standard**	**Yes**	**No**	**Comments**
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15	X		
		Every 24 hours	X		Tune & Sample Analysis on 11-30-10
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	X		7 Standards prepared
		The low standard must be ≤ reporting limit	X		Low standard = 0.30, RL = 0.68
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method	X		
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	X		LCS serves as 2nd Source
		Std should be at the mid point	X		
		All target analyts must be present	X		all present
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	X		CCAL ran on 11-30-10
		Must meet the criteria in Section 10.6 of the method	X		
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	X		
		Must meet the criteria in Section 10.7 of the method	X		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	X		
		Different source that the calibration standard source	X		
		Should be at least at the mid-point of the intial calibration curve	X		
		Must contain all the target analytes	X		
		Must meet the criteria in Section 11.4 of the method	X		
Sample Replicates	Method Precision	1 - Duplicate analyzed every 20 samples, preferably a sample with analytes		X	Not Indicated/Unnecessary
		Matrix Spike/Matrix Spike Duplicate meet Criteria		X	Not Indicated/Unnecessary
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8	X		
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)	X		3 IS used
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	X		
		Surrogate Recoveries	X		

Quantitation		Based on the IS (section 10.8.4 of method)	X		
		The IS used for Quantitation must be IS closest to the eluting Peak	X		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	X		
		If below RL reported as ND	X		
		If a dilution is performed- Highest detetected analyte must be in the upper half of the calibration curve unless a single analyte is so high as to saturate the detectoy	X		
		Compounds exceeding the range should be flagged with an "E"			No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv		X	Not Indicated

Chain of Custody	signed		X		
	dated		X		
	Temp (°C)			X	Not indicated/unnecessary
	Custody Seal on Samples		X		
Sample Holding Times	Collected		X		
	Received		X		
	Extracted			X	Not indicated/unnecessary.
	Analyzed		X		

TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes	No	Comments
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15			
		Every 24 hours			
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method			
		The low standard must be ≤ reporting limit			
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method			
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source			
		Std should be at the mid point			
		All target analyts must be present			
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples			
		Must meet the criteria in Section 10.6 of the method			
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples			
		Must meet the criteria in Section 10.7 of the method			
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent			
		Different source that the calibration standard source			
		Should be at least at the mid-point of the intial calibration curve			
		Must contain all the target analytes			
		Must meet the criteria in Section 11.4 of the method			
Sample Replicates	Method Precision	1 - Duplicate analyzed every 20 samples, preferably a sample with analytes			
		Matrix Spike/Matrix Spike Duplicate meet Criteria			
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8			
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)			
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method			
		Surrogate Recoveries			

Quantitation		Based on the IS (section 10.8.4 of method)			
		The IS used for Quantitation must be IS closest to the eluting Peak			
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)			
		If below RL reported as ND			
		If a dilution is performed- Highest detetected analyte must be in the upper half of the calibration curve unless a single analyte is so high as to saturate the detectoy			
		Compounds exceeding the range should be flagged with an "E"			
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv			

Chain of Custody	signed				
	dated				
	Temp (°C)				Not indicated/unnecessary
	Custody Seal on Samples				
Sample Holding Times	Collected				
	Received				
	Extracted				Not indicated/unnecessary.
	Analyzed				