Focused Feasibility Study

Ameren Taylorville MGP Site, Taylorville IL

June 2023

EPA ID: ILD981781065

The business of sustainability

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ABBREVIATIONS

ACLs	alternate cleanup levels (*set in 1992 for the Site)*
ARAR	applicable or relevant and appropriate requirements
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene and xylene
CERCLA	Comprehensive Environmental Response Compensation Liability Act
CIPS	Central Illinois Public Service
COC	constituent of concern
CUO	cleanup objective *(numeric standard*)
EC	Environmental Covenant
EMA	Environmental Management Alternatives
ERM	Environmental Resources Management, Inc.
ESD	Explanation of Significant Differences
FFS	Focused Feasibility Study
ft/d	feet per day
ft/ft	foot per foot
gpm	gallons per minute
GW	groundwater
IC	institutional control
IEPA	Illinois Environmental Protection Agency
IL	Illinois
ISCO	in-situ chemical oxidation
ISS	in-situ stabilization and solidification
LTSP	Long-Term Stewardship Plan
MCL	maximum contaminant level *(groundwater)*
mg/L	milligrams per liter
MGP	manufactured gas plant
MNA	monitored natural attenuation
NAPL	non-aqueous phase liquid
NPL	National Priorities List
O&M	operation and maintenance
OSWER	Office of Solid Waste and Emergency Response, USEPA
PAHs	polycyclic aromatic hydrocarbons
P&T	pump & treat
PCLs	protective concentration levels *(surface water and sediments)*
PIN	parcel identification number
PSD	Prevention of Significant Deterioration
RA	remedial action
RAO	remedial action objective (*narrative statement of remedial goal*)
ROD	Record of Decision
SRP	Site Remediation Program, IEPA
SVE	soil vapor extraction

SVOC	semi-volatile organic compound
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound
XDD	XDD Environmental

1. INTRODUCTION

Environmental Resources Management, Inc. (ERM) was retained by Ameren Services (Ameren) to prepare this Focused Feasibility Study (FFS) to present the development and re-evaluation of potential remediation actions for the Ameren Taylorville MGP Site, located at 917 Webster Street in Taylorville, Illinois. The Site is currently owned by Ameren, which acquired Central Illinois Public Services (CIPS), the owner of the former manufactured gas plant (MGP) facility at the Site. Further details related to the Site area are provided in Section 2.

The Site has undergone remedial action (RA) under Section 104 of Comprehensive Environmental Response Compensation Liability Act (CERCLA) and is currently being remediated under the oversight of the Illinois Environmental Protection Agency (IEPA) in consultation with the U.S. Environmental Protection Agency (USEPA). The Site was added to the National Priorities List (NPL) in the Federal Register on August 30, 1990. In 1992, a Record of Decision (ROD) (USEPA 1992) was put in place for the Site requiring remediation of impacted groundwater at the Site. Remedial actions have included excavation of soil and sediment, in-situ chemical oxidation (ISCO) of secondary sources, and the installation of a pump & treat (P&T) groundwater remediation system at the Site. Institutional Controls (ICs), including an Environmental Covenant (EC), have been placed on the Site. The ICs include prohibition of groundwater use and requirements regarding the handling of soil and groundwater at the Site and at two properties downgradient of the Site, which are also owned by Ameren.

1.1 Purpose

The purpose of this FFS is to develop and evaluate remedial alternatives that are appropriate to site-specific conditions, protective of human health and the environment, and comply with CERCLA. As established in the 1992 ROD, P&T remediation has been conducted at the Site since 1995. The rate of reduction of impacts to groundwater has slowed in the last 15 years and this FFS is to determine and compare potential alternative remedial options for the Site to achieve the remedial action objectives (RAO) for the Site.

1.2 Report Organization

The following summarizes the organization of the FFS:

- Section 1 – Introduction: This section introduces the purpose of the FFS and report organization.
- Section 2 – Site Background: This section describes the Site, its physical settings, and institutional controls related to the Site.
- Section 3 – Historical Activities: This section describes the major remedial actions and regulatory decisions related to the Site.
- Section 4 – Remedial Action Objectives: This section describes the RAOs established for the Site.
- Section 5 – Current Remedial Status: This section describes the impacts and target areas that exist at the Site currently and that warrant further remediation.
- Section 6 – Potential Remedial Technologies: This section describes remedial technologies evaluated at the Site historically and current remedial technologies to be considered in this FFS.
- Section 7 – Alternative Screening Criteria: This section describes the nine screening criteria that potential remedial technologies are evaluated by.

- Section 8 – Screening of Potential Remedial Alternatives: This section describes potential remedial alternatives or approaches for comparison for the Site.
- Section 9 – Selected Remedial Alternative: This section summarizes the comparison of remedial alternatives and presents the selected remedial alternative for the Site.
- Section 10 – References: This section provides references for reports cited throughout the FFS.

2. SITE BACKGROUND

The Site is the location of a former manufactured gas plant (MGP) that has undergone remedial activities, including excavation, ISCO activities, and groundwater pumping and treating (P&T) for more than 27 years in an effort to address constituents typically associated with MGP byproducts. Groundwater monitoring has been occurring within and outside the Site boundary since 1986, and influent, mid-process, and effluent monitoring associated with the P&T system has been occurring at the Site since 1995.

2.1 Site Location

The Site is an approximately one-acre grassy area on the east side of a 2.56-acre parcel of land located at 917 South Webster Street in Taylorville, Christian County, Illinois. The parent parcel, on which the Site is located, is owned by Ameren and is identified by Christian County as Parcel ID 17-13-27-331-005-00. The Site is bounded to the east by South Webster Street, to the north and south by gravel access drives on the parent parcel, and to the west by a water treatment building on the parent parcel, as shown in Figure 1.

2.2 Site History

The Site is the location of a former MGP that was constructed in 1892 and was operated by the Taylorville Gas and Electric Company until it was purchased in 1912 by CIPS. CIPS operated the MGP from 1912 until 1932. Contamination at the Site was initially discovered in 1985 during septic tank work.

Demolition and removal of former gas plant structures above and below ground, excavation, and off-Site disposal of source material was conducted in 1987. The Site was proposed to the National Priorities List on June 27, 1988. The Site was then designated as a State-lead enforcement case through negotiations between IEPA and USEPA Region V. Following excavation, the principal constituents of concern (COCs) in Site groundwater were determined to be those historically associated with MGP waste - benzene, naphthalene, and polycyclic aromatic hydrocarbons (PAHs). P&T activities were initiated and continue to this day. A series of ISCO injections were performed in the time periods of 2006-2007 and 2010-2012. The areas of the major remediation activities conducted at the Site area are presented in Figure 2. Groundwater monitoring has been conducted for more than 30 years and continues to the present day. Groundwater monitoring wells are located both at the Site and within the surrounding area, as shown on Figure 3 and Figure 4. Further information on the historical remedial activities at the Site is included in Section 3.

2.3 Regional Geology and Hydrogeology

Site geology consists of loess (wind-blown glacial deposits) composed of fine sand, silt, and clay ranging from five to ten feet in thickness. The loess material is underlain by a sand and gravel unit deposited as a glacial esker expressed as a broad ridge oriented in a northeast to southwest direction across central Illinois. This sand and gravel unit extends approximately 90 feet below ground surface (bgs) to limestone and dolomite bedrock. The loess readily allows precipitation to infiltrate to the sand and gravel unit below. The water table at the Site has been historically measured to be from 13 to 18 feet bgs.

2.4 Hydrogeology

Ameren has been monitoring groundwater in wells both on-site and offsite since 1986 and conducting P&T monitoring activities at the Site since 1995. As part of the current groundwater monitoring program, 21 monitoring wells are sampled quarterly for benzene, toluene, ethylbenzene and xylene (BTEX) and

PAHs. Once per year, the sampling program is expanded to include ten additional wells (31 total) to be sampled and analyzed for the same parameters. Of the 31 wells currently being monitored, eight wells are located onsite (GW-2, GW-3, GW-4R, GW-7, GW-14, GW-15, GW-22S, and GW-22D); one well is located in another area of the Site's parent parcel (GW-1); and 22 wells are located offsite, including 11 wells which are located immediately downgradient of the Site.

Direction and Extent of Groundwater Flow:

Long-term monitoring of the existing wells has shown that localized groundwater flow from the Site is to the south-southwest. The sand and gravel esker deposits underneath the Site are part of a larger aquifer in the region. Regionally, groundwater flow in this aquifer parallels the general southwesterly trend of the esker. East and west of the esker ridge surficial deposits generally consist of loess and till.

The unconfined groundwater gradient is generally flat when the groundwater pump and treat system is not in operation. Natural groundwater gradients increase near Seaman Estates Pond and the Sangamon River. The average ambient groundwater velocity at the Site was calculated at 0.3 feet per day (ft/day) using a calibrated groundwater model with inputs of hydraulic conductivity (66 ft/d), horizontal gradient (0.0014 foot per foot [ft/ft]), and porosity (0.3).

Groundwater has been monitored at the Site since 1986, which includes the time period prior to P&T activity, which began in 1995. Consequently, the pre-pumping conditions defined by the pre-1995 monitoring likely represent steady state conditions for Site COCs in groundwater. During this time, impacted groundwater has remained near the Site, with impacts consistently observed at GW-3 and GW-4R. Based on modeling of post-pumping conditions, GW-17 appears to be the furthest possible point of detection for impacts that may exceed the ROs. Several volatile organic compounds (VOCs) and PAHs remain above cleanup criteria in monitoring wells on the Site. GW-3 and GW-4R historically have remained above cleanup criteria for benzene and naphthalene. During a 22-month shutdown from September 2017 to June 2019, benzene and naphthalene levels dropped significantly then began increasing in February 2019. Pumping at the Site was resumed. Groundwater concentrations from the quarterly groundwater sampling conducted from March 2015 to September 2022 are presented in Table 1.

2.5 Current and Post Remediation Property Use

The Site is currently located within a fenced parcel owned by Ameren. The other areas of the parcel are utilized for the P&T facility and storage of remediation support materials. There is also an area of the parcel that consists of a former laydown yard for Ameren Illinois. There are currently no employees at the Site other than those that visit the Site to conduct sampling and/or maintenance of the wells and associated P&T facility structures.

It is anticipated that once remediated, the property can be redeveloped by others to potentially provide a park or green space within the City of Taylorville. Ameren will collaborate with IEPA on a new or modified Environmental Covenant that will prohibit the use of groundwater from the Site for potable purposes.

2.5.1 Restriction of Site Access

The parent parcel at which the Site is located is fenced with three locked entrance gates: two accessing the parcel from South Webster Street and one accessing the adjacent Ameren-owned parcel to the south from the Site. There are "Authorized Personnel Only", "No Trespassing", or similar signage permanently attached to the fencing surrounding the parcel. Photographs of existing fencing and signage are included in Appendix A.

Access to the parcel is limited to Ameren and its contractor staff that are conducting tasks related to investigation, monitoring, remediation, or lawn/facility maintenance activities.

The two parcels owned by Ameren, adjacent to the south of the Site, are also fenced and signage is posted.

2.5.2 Institutional Controls

A City-wide groundwater use prohibition is in place for the City of Taylorville (Ordinance 3463, adopted May 3, 2010, and attached in Appendix C) and included in Taylorville's Code of Ordinances (*Title 8, Chapter 4, Article B, Section 8-4B-2).* By agreement with the IEPA, the City of Taylorville is required to notify IEPA of changes to the groundwater prohibition ordinance above.

ICs are also in place on the Site itself, the Site's parent parcel, and two adjacent parcels to the south of the Site as shown in Figure 5. There is an environmental covenant (EC), signed on August 20, 2012, between Ameren, IEPA and USEPA that applies restrictions on the Site property, the parcel in which it is located, and two[1] parcels adjacent to the south of the Site (included as Appendix B). These included prohibition of groundwater at the Site for potable uses and requirements for the handling of soil and groundwater at the Site. The EC is discussed further in Section 3.6.

There is also an agreement with the property owners along Seaman Estates Pond prohibiting the use of groundwater for consumption and abandonment of private wells on these properties. These areas were provided with City water after well abandonments.

[1] In previous documents, "three parcels" were referenced as being the subject of the EC. The EC applies to two parcels - the previous northernmost two parcels, which are combined into one parcel – PIN# 17-13-27-331-005-00 and its neighboring parcel adjacent to the south – PIN# 17-13-27-300-001-00. Ameren does own a third parcel, to the southeast, across South Webster Street (PIN# 17-13-34-200-003-01), but this third parcel is not included in the EC.

3. HISTORICAL ACTIVITIES

Beginning in 1986, groundwater, surface water, and sediment sampling was conducted for VOCs, semi-volatile organic compounds (SVOCs) including PAHs, and metals at the Site. Elevated VOCs and SVOCs were detected in Site soil and in a drainage swale adjacent to the south of the Site.

3.1 1987 Soil and Sediment Excavation

From January 1987 to March 1987, a removal action was conducted by Ameren at the Site under IEPA's oversight, to excavate and dispose of approximately 12,000 cubic yards of impacted soil down to the water table. This remedial effort was completed in an effort to address source material at the Site, as well as impacted sediments in the offsite drainage swale.

The removal action first located and removed buried tanks and pits at the Site which contained coal tar or other MGP-related wastes. Source materials were encountered during this action. The next phase of removal at the Site included the demolition and removal of former gas plant structures and associated footings, excavation and offsite disposal of MGP-impacted materials, and backfilling of affected areas with clean soils. Structures that were removed included a 40-foot diameter, partially buried gas holder, the former brick MGP building, retaining walls, a septic tank, and two tar separators. Approximately 9,000 yd^3 of soil was removed to a depth of 10 feet below ground surface (bgs) on the Site, with an excavated depth of 13 feet bgs in the area of the former gas holder. An additional 3,000 yd^3 of soil/sediment was removed to a depth of 3 feet bgs offsite, adjacent to the south of the Site. Excavated soil and sediment was properly disposed at an approved landfill.

A number of additional investigations were conducted subsequent to the 1987 investigation activities to further investigate the remaining extent of impacts. These investigations provided additional information for remedial design of the groundwater extraction system. At that time, the investigation results indicated that remaining impacts below the water table could not be remediated other than by using P&T hydraulic containment and recovery. The primary area of impacts was identified to be in an area roughly 100 feet by 100 feet in size, on the eastern portion of the former MGP.

In October 1987, Ameren provided a permanent alternative water supply to approximately 20 residents and plugged and abandoned associated private drinking water wells.

3.2 1992 Record of Decision

On September 30, 1992, the ROD for the Site was established to address the potential threats to human health and the environment, primarily via ingestion of impacted groundwater, discharge of COCs to surface waters, and migration of impacted groundwater off-site. Ingestion of impacted groundwater at the Site was determined to be the primary risk driver to human health effects. As outlined in the ROD and shown in the table below, the selected remedy for the Ameren Taylorville MGP Site included:

1992 ROD Requirement	Requirement Status
Extension of an alternate water supply to area residents.	Completed – *This was completed in 1987. Residents have also been connected to the municipal water system and the City of Taylorville has an ordinance (Ordinance 3463; adopted May 3, 2010; attached as **Appendix C**) that requires any new construction in the City of Taylorville to connect to the municipal water system.*

1992 ROD Requirement	Requirement Status
Construction of a chain link security fence around the Site.	Completed – *This was completed in 1987. The fencing was expanded in 1988 and 2021 to include Ameren-owned properties to the south of the Site. The Site's parent parcel and the adjacent downgradient parcels remain fenced.*
Prohibition of groundwater withdrawal for purposes other than remedial action within the Site and areas downgradient of the Site.	Completed – *1) Agreements with downgradient property owners to prohibit the use of groundwater were obtained in the 1987 to 1989 period. Their wells were abandoned, and they were connected to the municipal water system.* *2) The City of Taylorville has an ordinance (Ordinance 3463) prohibiting the use of groundwater for potable purposes.* 3) *In addition, as of 2012, there is an environmental covenant on the Site, the parcel that the Site is located on, and two parcels adjacent to the south of the Site that restrict the use of groundwater. More information is presented in Section 2.6.2.*
Quarterly sampling of groundwater monitoring points.	Completed and Ongoing – *A quarterly groundwater sampling program was implemented prior to 1995 and is ongoing. Weekly influent, mid-process, and effluent sampling associated with the P&T system was initiated in 1995 and is ongoing.*
Completion of engineering design work (geologic, hydrogeologic, treatability pilot studies).	Completed – *The Remedial Design for the P&T facility was approved in 1994.*
Documentation of the prior remedial efforts including excavation of 12,000 cubic yards of soil and sediment; abandonment of drinking water wells supplying water to nearby residents.	Completed – *The removal conducted in 1987 and the closing of wells and supplying residents with alternate water supplies were documented in various reports between 1987 and 2005, including the 1999 Five-year Review report and the 2005 Explanation of Significant Differences (ESD).*
Establishment of an alternate clean-up level (ACL) for each contaminant in groundwater.	Completed – *IEPA determined the "ACLs" for the remediation of groundwater in 1992 (and is included in the ROD) with one modification in 2005 (as discussed in the 2005 ESD).*
Installation and operation of a groundwater extraction and treatment system.	Completed and Ongoing – *The Remedial Action Consent Decree was signed in 1994 and the P&T system was installed and began operation in 1995.*

The primary RAO for the Site is for the protection of groundwater. The cleanup objectives (CUOs) for the groundwater at the Site, set in the 1992 ROD and the 2005 ESD, are presented in Table 2. The CUOs are the numerical groundwater standards that IEPA has established for the Site's groundwater and are a key component of the groundwater protection RAO and are taken from one or more applicable or relevant and appropriate requirements (ARARs) that are to be met at Superfund sites.

Another RAO associated with the Site was related to the protection of downgradient groundwater, sediment, and surface water. On September 30, 1992, USEPA and IEPA also issued a Decision Document that summarized the rationale used to develop ACLs and protective concentration levels (PCLs) for the Site. ACLs were set at the point of compliance, that is, the edge of the groundwater plume on the

Site. PCLs, which are risk-based limits for concentrations of Site COCs in surface water and sediment where impacted groundwater could come in contact with a potential human or ecological receptor at various points of exposure, were also established.

The other RAOs set for the Site set in the 1992 ROD included preventing and/or minimizing migration of COCs from the soil to groundwater and preventing human exposure to impacted groundwater. These were met through multiple actions including the emplacement of clean fill, fencing and posting of the property, and supplying drinking water to downgradient homes pending connection to municipal water lines. RAOs are discussed further in Section 4.

3.3 1995 P&T Remedy Implemented

In February 1995, a groundwater extraction and treatment system (P&T system) was installed to address groundwater impacts at the Site. The P&T system has operated continuously, except as noted in the subsequent sections below.

The 1989 *Groundwater Pump and Treat System Basis of Design Report*, prepared by Hanson Engineers, presented the design of the system and reiterated the goals of the system, which are:

- To prevent contaminants from migrating offsite;
- To remove contaminants from extracted groundwater to levels suitable for surface water discharge; and
- To eventually cleanse the aquifer to levels which no longer present a threat to public health.

3.3.1 P&T Installation

The P&T facility became operational on July 10, 1995. It was designed and continues to be operated in accordance with ARARs established for the Site. The system consists of two extraction wells located in the central portion of the Site – referred to as the “west well” and “east well”. The extraction wells are constructed of 16-inch diameter type 316 stainless steel. The screened portions of the wells extend from five feet above the water table (depth of 15 feet) to the base of the aquifer (depth of approximately 90 feet). The vertical turbine pump used to extract groundwater has a variable speed motor to vary the process flow rate up to 500 gallons per minute (gpm). The process for the extracted groundwater is to then treat with a combination of iron removal; filtration through up to three, parallel bag filters; and filtration through a carbon adsorption system which consists of two granular activated carbon filters, in sequence. Treated groundwater is then directed, via underground piping, to two discharge locations: the drainage swale above Seaman Estates Pond and/or to a point below the dam of the Seaman Estates Pond. A valve in the piping system at the Site allows direction of the treated groundwater to either or both locations.

3.3.2 Operation and Maintenance

The P&T facility is operated full-time with operation staff who are present on a daily basis.

Pumping and treatment of groundwater occurs 24 hours per day. In 1995 pump rates ranging from a minimum flow of 200 gpm to a maximum flow of 500 gpm were determined to be sufficient for hydraulic containment of impacts in groundwater (Hanson 1995). A later evaluation determined that pumping rates as low as 50 gpm would be sufficient for hydraulic containment (USEPA 1999). Pumping rates have been adjusted throughout the 27 years of operation to maintain desired hydraulic gradients. Currently the P&T system operates at a sufficient rate to prevent migration of the COCs, and sampling has indicated no exceedances of offsite downgradient wells.

Discharged water is sampled weekly to confirm continued compliance with discharge requirements to meet average and/or daily maximum contaminant concentrations, as set in the 1992 ROD and/or as modified in

the 2005 ESD, before discharge from the facility. The maximum contaminant concentrations are presented in Table 3.

As presented in the 2023 Long-Term Stewardship Plan for the Site, prepared by ERM, visual inspections of the facility are conducted daily by a facility operator. Influent, mid-process, and effluent groundwater is sampled weekly.

Further information on the groundwater well sampling program associated with monitoring the groundwater conditions at the Site is presented in Section 3.8.

3.4 2005 Explanation of Significant Differences

In September 2005, Ameren submitted an ESD which was approved, and:

- Allowed Ameren to conduct a pilot study on an alternate treatment method, oxidant injection into the subsurface, in an attempt to reduce or eliminate the length of operation time of the P&T system;
- Revised the clean-up objectives for benzo(a)pyrene, as a new Maximum Contaminant Level (MCL) had been recently established for this constituent; and
- Updated the cleanup objectives related to surface water and effluent based on new toxicity information.

3.5 2006-2007 ISCO Activities

On October 2-4, 2006, an additional investigation was conducted at the Site, with the installation of eight soil borings, in order to further delineate the MGP residual treatment area. On October 5-6, 2006, oxidant test investigations were completed in each boring in order to define the southern and western extent of the MGP residual treatment area. The oxidant selected was a modified Fenton's reagent (Cool-Ox®) that was supplemented with hydrogen peroxide. These oxidant test investigations used visual indicators in order to determine the presence or absence of MGP residuals at the test injection location. The findings from these test injections identified the number of oxidant injection locations that would need to be included, which was ultimately 297 locations.

In October 2006, the P&T system was temporarily turned off and a modified Fenton's reagent was injected into the subsurface at the Site to evaluate chemical and biological oxidation of contaminants. The treatment system was shutdown for approximately three months and was restarted in January 2007. The frequency of groundwater monitoring was increased while the P&T system was shut down, and no off-site migration of groundwater contaminants were detected.

The injection of the oxidants was carried out during the period of October 7 to October 30, 2006. The oxidant used for injection was a mixture of Cool-Ox®, hydrogen peroxide, and potable water and was injected by driving direct-push drill rods with an injection tip into the base of the treatment zone. Prior to oxidant injection, the groundwater extraction wells were turned off and they remained off for three months after injection. This was to allow time for the chemical and biological reactions to occur. The groundwater extraction system resumed operation on January 11, 2007.

In December 2006 and October 2007, two phases of soil monitoring were performed to determine the remaining MGP residual mass remaining in the treatment area. In 2009, Barr Engineering used this information and a predictive model to estimate the potential remedial options for the Site based on different scenarios. These scenarios described different situations where specific percentages of non-aqueous phase liquid (NAPL) were removed from specific locations at the Site. Based on this predictive model, Barr Engineering concluded that additional ISCO treatment may be beneficial and suggested potential oxidants

that could be used in the next injection phase - Cool-Ox®, catalyzed hydrogen peroxide or activated persulfate.

3.6 2010-2012 ISCO Activities

Additional ISCO activities were conducted in 2010. ISCO activities included the installation of 24 screened injection wells and six direct-push in-situ chemical/biological oxidation injection points, which were advanced throughout the treatment area in order to further optimize the oxidant distribution at the Site. Oxidant was then injected through six injection application periods, which occurred on the following dates:

- Application 1 – 8/26/2010 to 9/10/2010;
- Application 2A – 11/10/2010 to 11/17/2010;
- Application 2B – 3/16/2011 to 3/23/2011;
- Application 3A – 9/28/2011 to 10/5/2011;
- Application 3B – 12/6/2011 to 12/14/2011; and
- Application 3C – 2/28/2012 to 3/7/2012.

The oxidant used for the injection was a mixture of catalyzed hydrogen peroxide, potable water, and citric acid. The system used to perform the injection was capable of injecting into a maximum of ten injection wells at one time. Injection wells were injected using a top-down method where well intervals at the top were injected into first and then the injection moved to deeper intervals as the application progressed. Groundwater and soil sampling was performed before, during, and after oxidant injection.

The groundwater P&T system at the Site was turned off in 2010 prior to the start of the oxidant injection to allow time for chemical/biological reactions to occur. In 2012, prior to the restart of the P&T system, two injections of a dilute solution containing sodium hydroxide were administered within the treatment area in order to raise the groundwater pH. The P&T system was restarted in two phases; the western extraction well was restarted on January 24, 2013, and the eastern extraction well was restarted on February 7, 2013.

3.7 2015 Groundwater Modeling Study

Groundwater at the Site has been modeled in 2004 and 2009 by Barr Engineering and, most recently, by Barr Engineering in 2015 utilizing a groundwater flow and solute transport model (Barr 2015). The 2015 modeling was developed to provide a tool for estimating the plume extent if the extraction wells were turned off in support of a transition to monitored natural attenuation (MNA) and/or long-term monitoring. The model assumed Site conditions including that groundwater flow is to the south during pumping and generally flat without pumping. The model scenarios examined predictive concentrations over a 100-year period. In general, the model predicted that concentrations in monitoring wells GW-3 and GW-4R, would slightly increase over the next 13 years if the extraction wells were turned off, and then attenuate over approximately 100 years, at which point, concentrations of most Site COCs would decrease below CUOs. Naphthalene, however, remained above criteria beyond the 100-year model in well GW-3 (*Figure 5.2 in Barr 2015*), and benzo(a)anthracene remained above criteria beyond the 100-year model in well GW-4R (*Figure 5-3 in Barr 2015*)

3.8 2012 Environmental Covenant

On August 30, 2012, Ameren recorded an Environmental Covenant which granted IEPA and USEPA access to the Site and restricted the installation of wells, use and handling of groundwater, and handling of soils on the property. This covenant applies to the entirety of the 2.56-acre parcel on which the Site is

located and to two adjacent parcels to the south and downgradient of the Site, as shown in Figure 5. These two parcels are also owned by Ameren. The environmental covenant is included in Appendix B.

The covenant states that the restrictions are:

a. *"No Groundwater Usage - The groundwater under the Property shall not be used as a potable supply of water;*

b. *No Groundwater Wells – There shall be no wells installed on the property except for those approved by Illinois EPA;*

c. *Handling of Contaminated Groundwater – Any contaminated groundwater removed from the Property shall be handled in accordance with all applicable laws and regulations as required by the ROD and/or Consent Decree;*

d. *Handling of Soil – As part of the remediation efforts, approximately the top ten feet of soil from the environmentally impacted area has been removed and replaced with clean cover. In the event subsurface soils are removed, excavated, or disturbed from the impacted area depicted in Appendix B (*and included in this report's Appendix B*), such soils should be evaluated and managed in accordance with all applicable laws and regulations."*

This covenant applies to two parcels totaling approximately 21.28 acres. As shown on Figure 5, these include 2.56 acres for the Site's parent parcel (PIN# 17-13-27-331-005-00), at 917 South Webster Street, of which, the Site occupies approximately 0.9 acres; the 15.56-acre combined parcel (PIN# 17-13-27-300-001-00), adjacent and immediately south of the Site's parent parcel; and, to its adjacent south, an approximate 2.74-acre parcel (PIN# 17-13-34-100-010-00). These parcels are all owned by Ameren.

3.9 2017-2019 P&T Shutdown and Rebound Study

In September 2017, the P&T system was turned off and a rebound evaluation was subsequently conducted. The rebound evaluation initially demonstrated that the P&T system was controlling the plume and preventing further migration of contaminants. After two years of not operating the P&T system, a slight increase in primarily benzene and naphthalene concentrations were observed and the P&T system was turned back on in July 2019. During the rebound evaluation, observations of slightly increased benzene and naphthalene concentrations in groundwater were limited to samples collected from on-site monitoring wells. Groundwater samples collected from offsite, downgradient monitoring wells did not have concentrations of benzene and naphthalene exceeding Site CUOs.

The source removals and injection activities that Ameren has conducted have significantly reduced groundwater concentrations to levels slightly above the CUOs. The P&T system continues to reduce groundwater concentrations as indicated by the rebound evaluation conducted in 2007 and by evaluation of the groundwater data collected to date, albeit at a lower rate of contaminant reduction.

3.10 Groundwater Monitoring Program

The Groundwater Monitoring Program at the Site and in offsite areas has been conducted since 1995. The program consists of sampling up to 31 wells: eight wells onsite, one well located on the Site's parent parcel, and 22 wells located offsite, with 11 of the 20 wells located downgradient of the Site, within the boundaries of the EC. The network of 31 wells is sampled one quarter per year and a minimum of 21 wells are sampled during the other three quarters of each year. Depths of the wells range from approximately 9.5 ft bgs to 94 ft bgs. No exceedances of COCs have been indicated in adjacent offsite downgradient wells. Concentrations of benzene and naphthalene above the CUOs have been routinely detected in groundwater samples collected from monitoring wells GW-03 and GW-04R since 1995. These monitoring wells are located in the southeast portion of the Site.

3.10.1 Cleanup Objectives

The CUOs established in the 1992 ROD and 2005 ESD are utilized for the Groundwater Monitoring Program for the Site. The CUOs are presented in **Table 1** are discussed further in Section 4.

3.10.2 Groundwater Sampling and Analyses

Groundwater is collected each quarter by ERM for analyses of the ROD-defined COCs by the offsite laboratory, Teklab, Inc. (Teklab) located in Collinsville, Illinois. Sampling of groundwater occurs each quarter with the sampling of 21 wells, both from onsite and offsite. During one quarter, typically in May of each year, all 31 wells of the network are sampled.

As presented in the *Year 2022 Quarter 2 Groundwater Sampling Results, Former MGP Site – Taylorville, Illinois* (ERM 2022a) report, the results of the groundwater sampling conducted in May 2022 indicated that samples collected from two wells have COCs exceeding CUOs. These wells – GW-03 and GW-04R - are located in the southeast portion of the Site. The COCs that have historically exceeded CUOs in samples collected from GW-03 and GW-04R are benzene and naphthalene.

Groundwater samples collected from monitoring wells downgradient of the perimeter of the Site, which include shallow wells GW-16S, GW-17, GW-22S, GW-25 and GW-26 and deep wells GW-16D and GW-22D, did not have reported exceedances of CUOs during the May 2022 sampling event.

Low levels of PAHs including benzo(a)pyrene and benzo(b)fluoranthene have historically been detected in well GW-20, which is located approximately 800 feet southeast of the Site. It is likely that these concentrations are coming from another source as no correlation in groundwater sampling results has been observed in monitoring wells between the Site and well GW-20.

Within the monitoring well network, groundwater is generally present at depths of 15 to 20 feet below top of casing (BTOC), with the exception of downgradient wells (such as the GW-18 and GW-19 series) where groundwater is shallower (0 to 7 feet below top of casing). Groundwater in the area of the Site is considered Class I groundwater, although a groundwater use ordinance is in place restricting groundwater use.

For the west and east groundwater extraction wells, groundwater is generally present at 50 to 60 feet bgs when pumping is occurring.

3.11 2021-2022 Remedial Delineation Activities

ERM is currently conducting soil and groundwater investigation activities at the Site to determine the location, depth, and extent of residual COCs that may be present and may be contributing to the observations of low levels of MGP-related COCs in Site wells GW-03 and GW-04R. As discussed with IEPA, these activities will help determine if in-situ solidification (ISS) is a feasible potential remedial action at the Site. The findings of these investigations are anticipated to be reported to IEPA in January 2023.

4. REMEDIAL OBJECTIVES

The primary remedial objective for a change in remedy at the Site will be the same as for the existing Pump & Treat remedy: to reduce sources of COCs to groundwater and to meet cleanup objectives in groundwater at the point of demonstration. A discussion of the RAOs, ARARs, and CUOs currently applicable to the Site from the 1992 ROD is below.

4.1 Objectives – Current Remedy

4.1.1 Remedial Action Objectives for Current Remedy

Once possible exposure pathways and potential risk have been identified at a site, cleanup alternatives are developed to address the RAOs identified for the Site. The RAOs identified in the 1992 ROD for the Site and the actions to address those risks as part of the current P&T remediation were the following:

1. To protect public health by providing uncontaminated water supplies for nearby residents.

   Drinking water was supplied to homes south of the Site in October 1987 via connection of the homes to the municipal water supply. This RAO has been completed.

2. To protect public health by minimizing the potential for human contact (i.e., inhalation, ingestion, or dermal contact) with contaminants.

   Excavation of soil and sediment were conducted in 1987 to remove primary and secondary sources of impacts at the Site. This RAO has been completed.

3. To protect the environment by minimizing the potential for discharge to the stream to the south of the Site of contaminants already in the groundwater.

   Excavation of sediment conducted in 1987 in the upper drainage to the stream, located adjacent to the south of the Site, removed secondary sources of COCs to the stream at the Site. From 1993 to 2018, surface water, sediment, and fish tissue samples were collected from the Seaman Estates Pond. Sampling results indicated that concentrations of PAHs and pesticides were sporadic and showed no apparent trends. The concentrations of PAHs in surface water within the pond were below the practical quantitation limits and met the State of Illinois surface water discharge limits. This RAO has been completed.

4. To minimize further degradation of groundwater resources.

   Excavations in 1987, oxidation injections in 2006-2007 and 2010-2012, and P&T activities since 1995 have reduced the concentrations of groundwater impacts at the Site, removing the potential for further degradation of the groundwater that this RAO pertained to. The majority of source material in soil has been removed from the Site and the mass volume of COCs in groundwater has been reduced to a point that only low, residual concentrations in groundwater are present onsite. This RAO has been completed.

The RAOs identified in the 1992 Consent Decree for the Site and the actions to address those risks were the following:

1. “Site-related constituents contained in the groundwater should be treated to applicable ARARs (or to-be-considered (TBC) levels where ARAR’s are not available) to protect future hypothetical residential users of this groundwater;”

   This remains an existing RAO for the Site and will be considered in the selection of an alternative remedy.

2. Residual subsurface site-related constituents should be prevented from migrating off-site; and

The majority of subsurface site-related constituents have been removed and/or otherwise remediated. The residual source to groundwater consists of low concentrations of COCs adhering to soil and/or in soil pore space. These residual COC concentrations are not present in sufficient volumes to contribute COCs to groundwater at concentrations that would result in offsite impacts. Offsite monitoring wells have been continuously sampled since 1986 and indicate that the original groundwater plume of COCs is not currently migrating offsite. This RAO has been completed.

3. Access to the site and performance of intrusive work on site should be restricted.

An Environmental Covenant was established for the Site in 2012 to restrict the installation of wells, use and handling of groundwater, and handling of soils on the property. Fencing and signage to restrict access is maintained for the Site. This is an RAO to be considered in the selection of an alternative remedy.

4.1.2 ARARs for Current Remedy

Section 121(d) of Superfund Amendments and Reauthorization Act (SARA) requires that remedial actions meet the legally "applicable or relevant and appropriate requirements" of other environmental laws. "Applicable requirements" are federal requirements that would be legally applicable, whether directly or as incorporated by a federally authorized state program, if the response actions were not undertaken pursuant to the CERCLA Section 104 or 106. "Relevant and appropriate requirements" are federal requirements that, while not "applicable", are designed to apply to problems sufficiently similar to those encountered at CERCLA sites that their application is appropriate.

During the scoping phases at this Site, multiple ARARs were considered for the potential activities and media that might be relevant at the Site. These included Resource Conservation and Recovery Act (RCRA) requirements for groundwater, the Clean Water Act NPDES and wetlands protection, the Clean Air Act's National Ambient Air Quality Standards (NAAQS) requirements for air, flood plain protection requirements for surface water, the National Historic Preservation Act's protections for soil, and the Clean Air Act's Prevention of Significant Deterioration (PSD) requirements for air, among others. These were presented in the initial 1991 FS for the Site which was exhibited as part of the 1992 ROD. The ARARs identified as applicable to the Site since discovery are discussed further in Appendix D.

4.1.3 Cleanup Objectives for Current Remedy

The terms used for the numerical values that COC concentrations in groundwater must meet to demonstrate compliance to CUOs have varied since the discovery phase at the Site. For purposes of clarification, the history and usage of the terms are as follows:

The 1991 FS utilized numeric ARARs and "to be considered" (TBC) criteria where numeric ARARs did not exist or were not sufficiently protective. In 1991, at the time of the original FS, IEPA had provisional groundwater standards that were listed in the Illinois Administrative Code (IAC), Title 35, Subtitle C. These were considered as TBCs for the Site and were referred to as "cleanup objectives". Procedurally, the "cleanup objectives" were utilized as Preliminary Remedial Goals (PRGs), per USEPA guidance, for the initial phase. The "cleanup objectives" were carried into the 1992 ROD and subsequent reports, including USEPA Five-Year Reviews to 2019. Procedurally, upon inclusion in the 1992 ROD, the "cleanup objectives" would no longer be considered as PRGs but as Remedial Action Levels (RALs) per USEPA guidance. The "cleanup objectives" for the Site were presented in Table D-2 of the 1991 FS. The 1992 ROD also included discharge limits for the post-treatment groundwater before release back to the surface.

In 2005, in the Explanation of Significant Differences, the “cleanup objective” for benzo(a)pyrene was modified from the 1992 ROD value of 0.00023 mg/L to 0.0002 mg/L due to changes in toxicity information. A summary of the historic CUOs for groundwater at the Site are presented in Exhibit F.

Since the determination of CUOs in the discovery phase of the Site, a significant amount of investigation and remediation has occurred. Previous potential ARARs listed in the 1992 ROD are now known to not be applicable to the Site and, for those ARARs that are currently applicable, the numeric standards associated with those ARARs may have changed.

4.2 Objectives – Future Alternative Remedy

4.2.1 Remedial Action Objectives for Alternative Remedy

The two remaining RAOs for the current remedy, as discussed above, remain general goals for the Site. For an alternative remedy, IEPA has requested that groundwater standards for alternative remedies be those listed in Illinois Administrative Code Title 35, Part 620, Subpart D, Section 410 (“Part 620”). In addition, the proposed RAOs have been modified slightly for the Alternative Remedy as follows:

1. Remediate Record of Decision (ROD)-defined chemicals of concern (COCs) remaining in manufactured gas plant (MGP)-related source material to reduce the concentration of ROD-defined COCs in groundwater to meet beneficial use standards provided in Illinois Administrative Code Title 35, Part 620, Subpart D, Section 410, as demonstrated at the agreed upon point of compliance.
2. Restrict subsurface activities that would disturb remediated materials through implementation of durable activity and use limitations pursuant to Illinois’ Uniform Environmental Covenants Act to prevent exposure of potential receptors to ROD-defined COCs.

The determination of final RAOs for the alternative remedy will be presented in the ROD Amendment that is required for a change in remedy at the Site. It is anticipated that the final RAOs will be appropriate according to the remaining subsurface risk, as well as continue to limit the potential future use of groundwater at the Site.

4.2.2 ARARs for Alternative Remedy

As more is known about the Site since the 1992 ROD was established and significant measures have been completed to address impacts at the Site, a number of the potential ARARs listed in the 1991 FS and subsequent 1992 ROD are no longer applicable, nor needed for the Site. A more detailed discussion of the ARARs is included in Appendix D.

Onsite, the remaining media to be addressed is groundwater. Onsite soil has been remediated for future use of the Site. This RDI identified residual impacts in soil but at depths that a future resident or worker is not likely to be exposed to. Although ARARs are not needed for onsite soil, the remediation of soil at depth may be a consideration in the alternative remedy to address groundwater impacts. There are no wetlands, surface water, sediment at the Site, or air emissions at the Site; therefore, many of the ARARs listed in the 1992 ROD would not be applicable to the Site nor an alternative remedy.

The offsite areas have been thoroughly investigated and the sediment in the adjacent downgradient area of the Site has been remediated. Extensive sampling of the sediment, surface water, and fish tissue has been conducted and no risks to public health identified. There are no air emissions in the adjacent downgradient area. Therefore, the potential ARARs listed in the 1992 ROD associated with offsite media will not be applicable to an alternative remedy.

The remaining potential ARARs from the 1992 ROD can be reduced to include the following:

- Federal Water Pollution Control Act (33 USC 1251)

- Safe Drinking Water Act (42 USC 300 (f))
- USEPA National Pollutant Discharge Elimination System (NPDES) Permit Regulations (40 CFR Part 122)
- USEPA Procedures for Approving State Water Quality Standards (40 CFR 131)
- USEPA Test Procedures for the Analysis of Water Pollutants (40 CFR part 136.1-136.4)
- Illinois Groundwater Protection Act of 1990
- IEPA Groundwater Quality Standards

IEPA has requested that a revision of the ARARs be conducted including that the groundwater ARAR that will provide standards to be met be changed from the current IAC Title 35, Subtitle C standards to IAC Title 35, Part 620, Subpart D, Section 410 standards. Ameren has discussed modifications of the ARARs for an alternate remedy at the Site and the proposed ARARs are included in Appendix D.

4.2.3 Remedial Goals for Alternative Remedy

Upon selection of an alternative remedy, a ROD Amendment will be prepared for the Site. In the ROD Amendment, the concentrations that must be met in groundwater sampling to demonstrate compliance will be termed as “Remedial Goals” (RG) for the Site. This term will replace “cleanup objectives” in the ROD Amendment, as well as align with USEPA guidance and terminology. It is anticipated that the RGs for the amended remedy will be from the groundwater standards listed in Illinois Administrative Code Title 35, Part 620, Subpart D, Section 410.

To optimize evaluation of groundwater at the Site, the COCs will be reduced to those that are applicable to the former MGP; are material to the identification of risk to the groundwater ingestion pathway for future, hypothetical residents; and provide confirmation during the implementation of the amended remedy. The following factors will be considered in identifying target COCs for this Site:

- The Part 620 regulation does not have groundwater standards for five (5) of the chemicals listed in the 1992 ROD. These are 4-methylphenol, bromoform, acenaphthylene, benzo(g,h,i)perylene, and phenanthrene. This is due to the relative low toxicity of these chemicals in a residential groundwater ingestion scenario and/or the inability to calculate risk-based values due to a lack of toxicity information. These five chemicals can be eliminated as target COCs with no impact on the identification of risk or confirmation of remedy success.
- Target COCs are those chemicals that are known, or are reasonably expected, to be associated with MGP-related activities. The primary COCs associated with MGP activities are polyaromatic hydrocarbons (PAHs); and BTEX compounds consisting of benzene, toluene, ethylbenzene, and total xylenes:
  - There are seven (7) PAHs that USEPA consider to be carcinogenic: benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene. These chemicals have been detected in groundwater at the Site. Although these chemicals, when present in the groundwater, are typically at low concentrations below applicable CUOs, due to their carcinogenicity, these seven PAHs can be retained as target COCs for the amended remedy.
  - USEPA considers that all four BTEX can produce neurological impairment. These COCs have been detected in groundwater samples collected from the Site, and benzene has been detected in groundwater samples above Site CUOs. All four BTEX can be retained as target COCs.

- Although naphthalene is not a known carcinogen, acute exposure of humans to naphthalene by ingestion has been associated with hemolytic anemia, damage to the liver, and, in infants, neurological damage. Naphthalene has been detected in groundwater at the Site above CUOs and can be retained as a target COC.
- Chlorinated volatile organics (CVOCs), trans-1,2-dichloroethylene and dichloromethane (methylene chloride), were listed in the 1992 ROD as potential COCs for the Site. The 27 years of groundwater sampling conducted has indicated that CVOCs are not present in groundwater at the Site as the few detections of dichloromethane in laboratory analyses of groundwater samples was accompanied by a notable QA/QC issue related to the analyses, indicating the presence of the dichloromethane was introduced during the laboratory processing and/or analysis of the sample. In addition, there are no indications that CVOCs were associated with the MGP activities. Any future detection of these analytes would likely also be due to laboratory processing and would not be reliable as to the determination of risk to exposure to groundwater at the Site. Future detections in laboratory could also not be relied upon to confirm the successful completion of the amended remedy. Therefore, there is no impact to the determination of risk or confirmation of remedy success by the exclusion of CVOC analytes and they can be eliminated as target COCs.
- The phthalates - di-n-butylphthalate and bis(2-ethylhexyl)phthalate - like the CVOCs, are not associated with MGP activities, and can be common laboratory contaminants. Di-n-butyl phthalate has not been observed at concentrations of concern in groundwater at the Site and can be eliminated as a target COC. Bis(2-ethylhexyl)phthalate has been observed in Site groundwater and, in the central and southern portions of the Site, at concentrations exceeding its “cleanup objective”. Due to the widespread presence of bis(2-ethylhexyl)phthalate in groundwater sampling programs at hazardous waste sites, it is problematic to determine if their presence is related to a site’s impacts, the degradation of the materials used in the well and piping system sampled, the sampling procedure in the field, or introduction to the sample during lab analysis. The source of the bis(2-ethylhexyl)phthalate historically detected in groundwater samples collected from the Site is unknown, but the pattern of detection and locations of samples indicate that degradation of the monitoring wells, sampling equipment (e.g., bladder pumps) or utility lines may be possible sources at this Site. As bis(2-ethylhexyl)phthalate is a common laboratory contaminant and is not associated with the former MGP, any exceedance of bis(2-ethylhexyl)phthalate above its CUO will not provide usable information to the evaluation of risk or the confirmation of the effectiveness of the amended remedy, therefore, it can be eliminated as a target COC.
- The analyte, 2-methylphenol (o-cresol), has rarely been detected at the Site and, when detected, it is less, by orders of magnitude, than the CUOs. As it has little impact on risk at the Site and has a minimal data set for comparison to post-remedy concentrations, it can also be eliminated as a target COC with no impact to the identification of risk or confirmation of remedy success.

Therefore, the following analytes can be considered target COCs for the evaluation of risk and/or confirmation of the successful completion of the amended remedy: benzene, benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate , chrysene, dibenz(a,h)anthracene, ethylbenzene, indeno(1,2,3-c,d)pyrene, naphthalene, toluene, and total xylenes.

The target COCs and their respective RGs for any alternative remedy will be determined by the IEPA and presented in the required ROD Amendment for the selected remedy.

5. CURRENT REMEDIAL STATUS

In 1992, USEPA issued the ROD for the Site which required the remediation of impacted soil and groundwater at the Site. The ROD established cleanup objectives for groundwater that must be met to achieve remedial completion. Significant remedial efforts have been completed at the Site as described in Section 4 and include the following:

- Demolition and removal of former MGP structures,
- Excavation of impacted soil (up to 13 feet bgs) at the Site,
- Construction and operation of a groundwater P&T system and groundwater monitoring since 1995, and
- ISCO in 2006-2007 and 2010-2012.

The combination of these efforts has reduced the maximum concentrations of naphthalene and benzene, the two primary contaminants, in groundwater in the southeast portion of the Site from 10 mg/L and 32 mg/L, respectively, collected in investigations prior to 1994 (USDC 1994), to 2.8 mg/L and 0.67 mg/L, respectively, in the most recent sampling conducted in September 2022. In the past three years, groundwater in the most impacted monitoring well (GW-04R), has indicated naphthalene concentrations that fluctuate in the range of 1.14 to 3.54 mg/L with little downward trend in concentrations. Benzene is observed to behave similarly, with concentrations that fluctuate in the range of 0.34 to 1.3 mg/L. The ROD goals for these two constituents are 0.14 mg/L for naphthalene and 0.005 mg/L for benzene.

Currently, the concentrations of COCs that are greater than applicable cleanup objectives, and therefore considered “impacted”, are present in groundwater in two areas of the Site. These localized impact areas are in the northwest portion of the Site near the Site boundary and in the east-central portion of the Site in close proximity to the extraction wells.

5.1 Current Remedial Status

The Site is in current compliance to the ROD objectives related to the containment of the impacted groundwater and the protection of the public. Impacts are limited to the Site. There is no groundwater use at the Site (with exception to the current P&T system,) nor at adjacent downgradient areas. Access to the Site continues to be restricted via fencing and signage. There are no occupational activities at the Site other than those related to the remediation of the Site or the upkeep of the property itself (landscaping, fence or building repair, etc.).

The continuation of the P&T system can reduce the impacts that remain in the groundwater at the Site; however, it has become more difficult to see significant progress at the low levels existing at the Site. This is due to the CUOs being in the parts per billion and the nature of PAHs in saturated soil that makes them resistant to mobilization from soil to groundwater at these low levels. Groundwater modeling conducted for the Site in 2015 (Barr 2015) indicated that the time needed to operate and maintain the P&T remedy until the CUOs are met is estimated at more than 100 years.

The goal of this focused FS is to identify and evaluate alternate remedial approaches for the remediation of the Site that can be completed within an earlier timeframe.

6. POTENTIAL REMEDIAL TECHNOLOGIESS

This section describes the potential remedial technologies (active reduction processes) which will be considered and/or eliminated as applicable remedial technologies to the Site for consideration and comparison for alternative remedial approaches to be taken at the Site (Section 8).

Due to the characteristics of aged MGP residuals, there are few technologies capable of remediating low-level residuals present in soil. This is due to their density, which can allow them to be stable in saturated soil and groundwater; their high viscosity, which makes them harder to remove via pumping-based technologies; their low solubility (particularly for PAHs); potential preferred pathways within the subsurface, and their composition of aromatic and long-chain hydrocarbons which can make residual MGP COCs resistant to certain remedial technologies.

6.1 Technology Screening Criteria

Each potential technology identified will be screened as to its ability to meet the Remedial Performance Objectives and RAOs using criteria set by CERCLA as defined in 40 CFR 300.430(e)(7). These include effectiveness, implementability, and cost.

6.1.1 Effectiveness

Effectiveness is the degree to which an alternative reduces toxicity, mobility, or volume through treatment, minimizes residual risks and affords long-term protection, complies with ARARs, minimizes short-term impacts, and how quickly it achieves protection. Alternatives providing significantly less effectiveness than other, more promising alternatives may be eliminated. Alternatives that do not provide adequate protection of human health and the environment shall be eliminated from further consideration.

6.1.2 Implementability

This criteria focuses on the technical feasibility and availability of the technologies each alternative would employ and the administrative feasibility of implementing the alternative. Alternatives that are technically or administratively infeasible or that would require equipment, specialists, or facilities that are not available within a reasonable period of time may be eliminated from further consideration.

6.1.3 Cost

The costs of construction and any long-term costs to operate and maintain the alternatives shall be considered. Costs that are grossly excessive compared to the overall effectiveness of alternatives may be considered as one of several factors used to eliminate alternatives. Alternatives providing effectiveness and implementability similar to that of another alternative by employing a similar method of treatment or engineering control, but at greater cost, may be eliminated.

6.2 Technologies to be Considered

Below are those technologies that have been commonly undertaken to remediate MGP impacts. The technologies that are considered to be applicable will be retained and screened in Section 7 as to their ability to meet the Remedial Performance Objectives and the RAOs described in Section 4.

6.2.1 Excavation

As described in Section 3, excavation activities have been conducted at the Site as described in the Record of Decision (USEPA 1992) and the USEPA First Five-Year Review (USEPA 1999). However, there remains the likelihood that MGP residuals may be present at depths greater than previously

excavated or present in areas that were not previously excavated. The effectiveness, implementability, and costs of excavation are dependent on the depth at which MGP residuals may be present. Historical data and preliminary data from the remedial delineation investigation indicate that MGP residuals are likely present at 20 to 50 feet bgs, well below the water table. The shallow sand aquifer at the Site has significant flow volume and is primarily composed of sand. The effort to dewater these soils to permit excavation is not feasible due to the potential depth of impact, unstable saturated sand stability, shoring needed for safe excavation, and quantity of impacted ground water that will be generated. Therefore, additional excavation, of the deeper soil at the Site, is not a candidate as a future, potential remedial technology for the Site.

6.2.2 Pump & Treat

P&T remedial activities have occurred at the Site since 1995. P&T has been successful to contain and remove MGP-related COCs from groundwater at the Site (USEPA 2019). However, after more than 27 years of P&T being the remedy for the Site, the benefits of the P&T system to further reduce COC concentrations has diminished over the last 10 years, based on quarterly groundwater monitoring . More recently, observed influent concentrations have been static and significant reductions in the concentrations of benzene and naphthalene that would be needed to reach remedial objectives in a timely manner are not being achieved.

6.2.3 In Situ Chemical Oxidation

In-situ chemical oxidation (ISCO) is a technology applied to the remediation of MGP COCs and has been utilized at this Site with significant reduction of COCs in soil and groundwater. As discussed in Section 3, ISCO activities were conducted in 2006-2007 and in 2010-2012 as described in the 2009 Barr *Status Update Report, In-Situ Chemical / Biological Oxidation, former CIPS Site, Taylorville, Illinois* report and in the 2015 XDD *Final Update Report, Additional In-Situ Oxidation Treatment, Former CIPS MGP Site, Taylorville, Illinois* report. Reduction of COC concentrations were achieved in isolated areas, as preferential flow pathways for the conveyance of oxidants occur in the subsurface. These preferential ISCO flow pathways were observed through the collection of soil samples in the treatment area, where treated soils were bleached and adjacent soil showed indications of impact. For older PAH-impacted soil, such as is the case for the Site, the degradation potentials are typically maximized at 60% (permanganate) to 70% (Fenton's agent) . This correlates to what was observed as a result of the ISCO activities at the Site. Therefore, ISCO is not expected to be successful at further remediating the residual COCs in areas that have already been treated by ISCO remediation.

Although ISCO is implementable at the Site, the effectiveness of conducting further ISCO activities at the Site is low due to preferential flow pathways. Therefore, ISCO is not a good candidate as a future, potential remedial technology for the Site.

6.2.4 Soil Vapor Extraction

Soil vapor extraction (SVE) is the removal of volatile COCs from unsaturated soil via vacuum blowers or vapor extraction wells. The extraction of the soil vapor can promote transfer of COCs from solid and liquid phases to gas phases, where they are more easily collected. However, the Site contains PAH impacts that are not amenable to vapor recovery as they are in saturated soil, below the water table. As a result, SVE would not be effective or implementable and is eliminated as a future, potential remedial technology to address MGP residuals in the saturated soil at the Site.

6.2.5 Thermal Treatment

Thermal remedies such as in-situ thermal desorption are typically conducted at two levels of heating: low temperature (up to 100°C) which volatilizes lighter compounds but heavier compounds require high temperature (greater than 100°C), which requires significant amounts of energy. These technologies promote the reduction of COC concentrations by converting the more volatile components into a recoverable gas phase, the potential mobilization of hydrocarbons from the soil particles to a recoverable liquid phase, or potentially destructed in place. At this Site, where residuals are present in the saturated zone, thermal desorption of COCs from soil to a liquid or vapor phase that can be collected is not feasible due to the prolific nature of this aquifer and the quantity of water continually recharging the thermally treated area. This is also the case for other thermal technologies that rely on extraction or collection of soil vapor, such as smoldering combustion. With the amounts of groundwater surrounding the MGP residuals in the soil, thermal treatments are not effective or implementable at this Site and are eliminated as a future, potential remedial technology at the Site.

6.2.6 ISS

ISS, which is the encapsulation of contaminants in a monolithic solid of high structural integrity and reduced permeability, is utilized to prevent and/or reduce mobility of contaminants in soil and/or groundwater. ISS typically involves the mixing of impacted soil, in place, with binding agents in order to stabilize and/or solidify contaminants in the subsurface. Based on the historic data and anticipated depth of residual COCs in saturated soil and groundwater, ISS is likely implementable at the Site. Site soil would need to be tested to determine if ISS is implementable and, if so, what reagents or mixtures of reagents would present the best result for the implementation of ISS at the Site. The effectiveness of conducting ISS at the Site is not known; however, there has been success at using this methodology at other former MGP sites. Treatability studies will provide a reasonable expectation of effectiveness for the purposes of screening alternatives and remedial design. Although the costs of conducting ISS can be significant compared to other technologies, other technologies, such as P&T, ISCO, and excavation have been conducted at the Site and are no longer as effective at the reduction of COCs as when first implemented. Therefore, ISS will be retained as a potential remedial approach at the Site.

6.3 Summary of Technologies Screening

Below are those technologies that have been commonly undertaken to remediate MGP impacts. The technologies that are considered to be applicable and will be retained and screened in Section 7 as to their ability to meet the Remedial Performance Objectives and the RAOs described in Section 4.

Technology	Comparison to Criteria
Excavation	*Performance Objective:* To remove or reduce COC concentrations in soil that can migrate to groundwater. • *Implementability:* Low. Impacts are likely to a depth of up to 50 feet bgs within an area with relatively high velocity groundwater present. Extensive shoring would be required to extreme depths. Groundwater dewatering, which would be extensive due to the high permeability of the soils, would also be required toto excavate. • *Effectiveness:* High as the majority of the source in soil could be removed. • *Cost:* High in the short-term; Low in the long term, in comparison to extended timeframe of P&T technologies.

Technology	Comparison to Criteria
	Retained for Screening of Alternatives?: **No – Implementability at the Site is Low.**
Pump & Treat (Groundwater)	*Performance Objective:* To reduce COC concentrations in groundwater at the Site. • *Implementability:* High (current remedy) • *Effectiveness:* To contain the plume, effectiveness is high. To remediate the Site, the effectiveness has diminished significantly over the decades with reduced effectiveness in reaching groundwater CUOs. • *Cost:* Low annually, in the short term. As compared to other technologies over the time frames needed to reach CUOs (over 100 years), the cost can be high. ***Retained for Screening of Alternatives?:*** **Yes – This is the existing technology in use at the Site and is the baseline for comparison of alternative approaches.**
In Situ Chemical Oxidation (ISCO)	*Performance Objective:* To remove or reduce COC concentrations in groundwater and soil that can result in the migration to groundwater. • *Implementability:* High as this has been done before at the Site. • *Effectiveness:* Low. ISCO has already been performed at the Site and COC concentrations were reduced. Preferential pathways for oxidant flow exists as evidenced in collected samples. • *Cost:* Medium, as compared to the current P&T technology over the long term. ***Retained for Screening of Alternatives?:*** **No – Effectiveness of this technology at this Site is Low.**
Soil Vapor Extraction	*Performance Objective:* To reduce COCs concentrations in soil that may contribute to groundwater. • *Implementability*: Low. SVE equipment can be installed at the Site; however, the groundwater table is near the surface and therefore, SVE would be ineffective for remediation. In addition, some of the non-volatile organic compounds that are listed in the ROD would not be recoverable with this technology. • *Effectiveness: Low. Ineffective for heavier COCs; ineffective in near-surface saturated soil where short-circuiting of air flow may occur..* • *Cost: Medium, as compared to the current P&T technology over the long term.* ***Retained for Screening of Alternatives?:*** **No – Effectiveness and Implementability at the Site is Low.**
Thermal Treatment	*Performance Objective:* To reduce COCs concentrations in soil that may contribute to groundwater. • *Implementability*: Medium. Thermal equipment can be installed at the Site. However, the ability to heat the saturated soils to a temperature where all of the ROD COCs meet the ROD COUs is likely not be possible due to the very high permeability of the soils under the Site. Thermal methods work by heating the soil and groundwater under a site to temperatures where each COC may be destroyed, mobilized (in vapor or liquid phase), or volatilized. This method may be effective in low permeability soils where groundwater flow on to the Site is minimal. At this Site, the permeability of the soils is

Technology	Comparison to Criteria
	too large to heat the aquifer to temperatures where thermal methods are effective. If heat is applied to the subsurface soils and groundwater at the Site, it is quenched by the large volumes of groundwater flowing through the Site daily, making energy consumption enormous. This also increases the potential for the mobilization of COCs from the soil due to a reduction in COC viscosity from ineffective heating, which could require implementation of a groundwater containment and treatment system downgradient of the Site. • *Effectiveness: Low. The volumes of groundwater at this Site make thermal treatment unlikely to be effective.* • *Cost: Medium, as compared to the current P&T technology over the long term.* ***Retained for Screening of Alternatives?:* No – Effectiveness at the Site is Low.**
In Situ Solidification / Stabilization (ISS)	*Performance Objective:* To bind up COCs in soil and to prevent or reduce COC concentrations being contributed to groundwater. • *Implementability*: Medium, the depth of ISS activities may require very large equipment. • *Effectiveness:* Medium, as effectiveness at the Site is unknown; however, this has been used successfully at other former MGP Sites. Treatability testing is currently being conducted to determine the magnitude of effectiveness. • *Cost:* High in the short-term; Low in the long term, in comparison to extended timeframe of P&T technologies. ***Retained for Screening of Alternatives?:* Yes.**

6.4 Retained Technologies for Remedial Alternatives

The following technologies have been retained for inclusion in the screening of remedial alternatives at the Site:

Technology	Basis for Retention
Pump & Treat	Implementability is known to be high and, although its effectiveness has diminished significantly, it is the existing technology used at the Site and is retained for screening of alternatives at the Site.
In Situ Solidification / Stabilization	Implementability, effectiveness and costs are medium for this technology; therefore, it is retained for screening of alternatives at the Site.

7. ALTERNATIVE SCREENING CRITERIA

This section provides the criteria that will be utilized to screen alternative remedial approaches at the Site. These can include remedial technologies, administrative actions, engineering controls, institutional controls, and, for purposes of comparison, no action alternatives. There are nine criteria under CERCLA that must be considered when identifying, screening, and selecting a remedial alternative. These include the nine criteria below with their definitions, per *40 CFR 300.430(e)(9).*

7.1 Overall Protection of Human Health and the Environment

Alternatives shall be assessed to determine whether they can adequately protect human health and the environment, in both the short- and long-term, from unacceptable risks posed by hazardous substances, pollutants, or contaminants present at the site by eliminating, reducing, or controlling exposures to levels established during development of remediation goals consistent with § 300.430(e)(2)(i). Overall protection of human health and the environment draws on the assessments of other evaluation criteria, especially long-term effectiveness and permanence, short-term effectiveness, and compliance with ARARs.

7.2 Compliance with ARARs

The alternatives shall be assessed to determine whether they attain applicable or relevant and appropriate requirements under federal environmental laws and state environmental or facility siting laws or provide grounds for invoking one of the waivers under paragraph (f)(1)(ii)(C) of this section.

One of the ARARs for the Site is the groundwater standards that must be met. For this Site, CUOs were established as the groundwater standards to be met as set forth in the 1992 ROD and in the 2005 ESD. The current CUOs are presented in Table 2. For future changes in remedy, IEPA has requested that the standards set forth in IAC Title 35, Part 620, Subpart D, Section 410 be utilized. These are also presented in Table 2. The standards to be used for any future remediation will be presented in the related ROD Amendment for the work. Further information on the current ARARs for the Site is presented in Appendix D.

7.3 Long-term Effectiveness and Permanence

Alternatives shall be assessed for the long-term effectiveness and permanence they afford, along with the degree of certainty that the alternative will prove successful. Factors that shall be considered, as appropriate, include the following:

> *(1) Magnitude of residual risk remaining from untreated waste or treatment residuals remaining at the conclusion of the remedial activities. The characteristics of the residuals should be considered to the degree that they remain hazardous, taking into account their volume, toxicity, mobility, and propensity to bioaccumulate.*
>
> *(2) Adequacy and reliability of controls such as containment systems and institutional controls that are necessary to manage treatment residuals and untreated waste. This factor addresses in particular the uncertainties associated with land disposal for providing long-term protection from residuals; the assessment of the potential need to replace technical components of the alternative, such as a cap, a slurry wall, or a treatment system; and the potential exposure pathways and risks posed should the remedial action need replacement.*

7.4 Reduction of Toxicity, Mobility, or Volume Through Treatment

The degree to which alternatives employ recycling or treatment that reduces toxicity, mobility, or volume shall be assessed, including how treatment is used to address the principal threats posed by the site. Factors that shall be considered, as appropriate, include the following:

(1) The treatment or recycling processes the alternatives employ and materials they will treat;

(2) The amount of hazardous substances, pollutants, or contaminants that will be destroyed, treated, or recycled;

(3) The degree of expected reduction in toxicity, mobility, or volume of the waste due to treatment or recycling and the specification of which reduction(s) are occurring;

(4) The degree to which the treatment is irreversible;

(5) The type and quantity of residuals that will remain following treatment, considering the persistence, toxicity, mobility, and propensity to bioaccumulate of such hazardous substances and their constituents; and

(6) The degree to which treatment reduces the inherent hazards posed by principal threats at the site.

Three of the alternatives discussed and assessed in Section 8 are not considered implementable remedial treatments"; however, for purposes of this assessment, they will be considered in order to evaluate their reduction of toxicity, mobility, or volume so that comparisons can be made between the alternatives.

7.5 Short-Term Effectiveness

The short-term impacts of alternatives shall be assessed considering the following:

(1) Short-term risks that might be posed to the community during implementation of an alternative;

(2) Potential impacts on workers during remedial action and the effectiveness and reliability of protective measures;

(3) Potential environmental impacts of the remedial action and the effectiveness and reliability of mitigative measures during implementation; and

(4) Time until protection is achieved.

7.6 Implementability

The ease or difficulty of implementing the alternatives shall be assessed by considering the following types of factors as appropriate:

(1) Technical feasibility, including technical difficulties and unknowns associated with the construction and operation of a technology, the reliability of the technology, ease of undertaking additional remedial actions, and the ability to monitor the effectiveness of the remedy.

(2) Administrative feasibility, including activities needed to coordinate with other offices and agencies and the ability and time required to obtain any necessary approvals and permits from other agencies (for off-site actions);

(3) Availability of services and materials, including the availability of adequate off-site treatment, storage capacity, and disposal capacity and services; the availability of necessary equipment and

specialists, and provisions to ensure any necessary additional resources; the availability of services and materials; and availability of prospective technologies.

7.7 Cost

The types of costs that shall be assessed include the following:

(1) Capital costs, including both direct and indirect costs;

(2) Annual operation and maintenance costs; and

(3) Net present value of capital and O&M costs.

For purposes of this assessment, the comparison of costs will be qualitative only and based on engineering judgment by ERM. As is standard practice, the costs will be considered as high, medium, or low relative to the other alternatives. Cost will be considered when comparing alternatives with similar abilities for effectiveness and implementability.

7.8 State Acceptance

Assessment of state concerns may not be completed until comments on the RI/FS are received but may be discussed, to the extent possible, in the proposed plan issued for public comment. The state concerns that shall be assessed include the following:

(1) The state's position and key concerns related to the preferred alternative and other alternatives; and

(2) State comments on ARARs or the proposed use of waivers.

For this consideration of a change in remedy, IEPA has requested that this FFS be prepared prior to the submittal of the Proposed Plan. For purposes of this screening, historical and current agency concerns or comments to Ameren will be considered in this assessment.

7.9 Community Acceptance

This assessment includes determining which components of the alternatives interested persons in the community support, have reservations about, or oppose. This assessment may not be completed until comments on the proposed plan are received.

For purposes of this screening, historical public concerns or comments to Ameren or to the IEPA, and/or anticipated community concerns in general, will be considered in this assessment.

8. SCREENING OF POTENTIAL REMEDIAL ALTERNATIVES

This section will introduce and compare the potential remedial alternatives for the Site to meet RAOs in groundwater for the Site COCs. Per CERCLA guidance, alternatives should "*be developed that protect human health and the environment by recycling waste or by eliminating, reducing, and/or controlling risks posed through each pathway by a site. The number and type of alternatives to be analyzed shall be determined at each site, taking into account the scope, characteristics, and complexity of the site problem that is being addressed*".

In addition to the two remedial technologies retained in Section 6, as is common in Feasibility Studies to provide a range of options for consideration, a "No Action" approach, an Institutional Controls approach, and a Monitored Natural Attenuation approach will be added as remedial approaches to be considered. Therefore, the remedial approaches to be considered are:

1. No Action
2. Continuation of Pump & Treat
3. In Situ Solidification / Stabilization
4. Institutional Controls
5. Monitored Natural Attenuation

For each alternative, the likelihood of success – high, medium, or low – that the approach will satisfy a given criteria is shown. The determination of the likelihood of success for each alternative to meet the given comparison criteria is based on the professional judgment of ERM remedial staff and its experience at conducting the given remedial alternative at similar sites. "High" represents that the alternative is highly likely and expected to be successful at meeting the criteria under normal conditions. "Medium" represents that the alternative can be successful at meeting the criteria under ideal conditions but can fail to meet the criteria if conditions are varied. "Low" represents that the alternative is not likely to meet the criteria, even under ideal conditions.

8.1 Alternative #1 - No Action

As required by 40 CFR 300.430, No Action with no institutional controls is included as a baseline for the comparison of the potential remedial alternatives for the Site. Although this is not considered as implementable for this Site, it is retained for evaluation to allow evaluation if no action were taken at the Site. This approach includes the cessation of or IEPA-approved phasing out of remedial activities or institutional controls at the Site. This also includes taking no action to prevent unauthorized access or development at the Site, such as deed notices, environmental covenants, or other administrative methods.

Alternative #1 – No Action		
Criteria	***Likelihood of Success***	***Basis/Notes***
Overall Protection of Human Health and the Environment	Low	There is currently no risk to human health at the Site due to no GW ingestion occurring at the Site. Future risk is limited also due to municipal groundwater restrictions that are already in place for the surrounding area. However, without property-specific restrictions against development or meeting CUOs in groundwater, it cannot be ruled out that exposure to impacted groundwater could occur in the future.

Alternative #1 – No Action		
Criteria	***Likelihood of Success***	***Basis/Notes***
Compliance with ARARs	Low	The majority of the groundwater below the Site and all groundwater monitored offsite meets ARARs. However, no action would allow cessation of the P&T with no alternative approach. Compliance to ARARs cannot be assumed.
Long-Term Effectiveness and Permanence	Low	Although remediation of COCs would occur if no action were taken, without remedial actions or restrictions on exposure, effectiveness to meet CUOs in the groundwater is not likely within a reasonable timeframe.
Reduction of Toxicity, Mobility, or Volume	Low	Some reduction in toxicity and volume would occur naturally over time; however, the time period needed is likely more than 100 years. Mobility would be expected to increase with the cessation of the P&T system without an alternative approach in place.
Short-Term Effectiveness	Low	There would likely be a short-term increase in COC concentrations as containment is ceased.
Implementability	High	Implementability is high. Removal of restrictions and cessation and possible demolition of the P&T facility would be the major actions to be implemented.
Cost	High	Costs for this approach are minimal relative to the other approaches.
State Acceptance		This criteria to be evaluated following IEPA review and decision regarding alternative remedial options.
Community Acceptance		This criteria to be evaluated following the Public Comment period.

With the exception of implementability and cost, a No Action approach at the Site provides minimal benefit to the goal of remediating groundwater at the Site in a timely manner. Although there is no exposure to impacted groundwater at or from the Site and, over time, the concentrations of all COCs in onsite groundwater to naturally reduce to levels below the CUOs could take over 100 years. This time frame is not in line with Ameren's goals for stewardship of the Site and is unlikely to have community or agency support and is therefore excluded as a candidate for alternative remedial approaches at the Site.

8.2 Alternative #2 - Continuation of P&T Remedial Approach

At this Site, the existing P&T approach involves extracting groundwater from the Site, treating the groundwater at the surface with carbon filtration to remove COCs, then discharging treated groundwater to the surface to eventually migrate to the subsurface or surface water south of the Site. As discussed previously, the efficiency of P&T to remove low mobility COCs in the groundwater has significantly reduced since pumping began in 1995. To reduce COCs further to concentrations below the CUOs is not feasible in a timely manner, and an alternate remediation is being pursued. However, P&T is retained as a baseline for comparison of alternate remedial methods. This screening assumes that institutional controls are also retained at the Site which include the fencing of the Site, restriction on the installation of wells or use of groundwater below the Site for potable purposes, and the limitations on the handling of soil and groundwater at the Site.

Alternative #2 – Continuation of P&T Remedial Approach with Institutional Controls		
Criteria	***Likelihood of Success***	***Basis/Notes***
Overall Protection of Human Health and the Environment	High	There is currently no risk to human health at the Site as there is no GW ingestion occurring at the Site. The P&T system contains potential migration of COCs in groundwater to downgradient areas. Future risk is also limited due to municipal groundwater restrictions in the surrounding area and the restrictions and controls in place at the Site.
Compliance with ARARs	Medium	The majority of the groundwater below the Site and all groundwater monitored offsite meets ARARs. However, two locations – GW-03 and GW-04R – exceed CUOs. If these are considered to be POCs, then reaching compliance with ARARs could take 100+ years with P&T systems. If the downgradient edge of the waste management unit or the Site boundary is considered as the POC where CUOs are to be met, the likelihood of success to meet Compliance with ARARs would be increased as the groundwater in these areas is already in compliance with ARARs.
Long-Term Effectiveness and Permanence	Medium	The P&T approach is likely to be effective at reaching CUOs in the long-term, but the modelled time frame to do so (100+ years) is not optimum.
Reduction of Toxicity, Mobility, or Volume	Medium	Some reduction in toxicity, mobility, and volume would still occur over time; however, the time period needed is 100+ years. This is not a reasonable timeframe for the remediation of residual concentrations of COCs that are generally only 20% over the CUOs now.
Short-Term Effectiveness	Low	The P&T approach is not likely to be effective at reaching CUOs in the short-term.
Implementability	High	Implementability is high as P&T is the existing remedy.
Cost	Low	Costs for this approach are lower than ISS in the short-term. In the long term, this is a more costly approach due to the 100+-year timeframe that P&T would need to be conducted.
State Acceptance		This criteria to be evaluated following IEPA review and decision regarding alternative remedial options.
Community Acceptance		This criteria to be evaluated following the Public Comment period.

The P&T remedial approach that is currently implemented at the Site, along with the institutional controls that are in place, are protective of human health and the environment. The P&T system has been operated for almost three decades with agency and community support. Therefore, this approach is expected to meet the overall protection and implementability criteria. Costs each year are relatively low in comparison to other remedial alternatives but would be significant when considered over the course of 100 years of operation.

The primary limitation on continuing this approach is its effectiveness and its ability to reduce the mass of the remaining impacts. Remediation of the remaining impacts has become more difficult as the majority of the mass volume has been removed. The remaining impacts are limited in mobility but appear to act as a source of COCs to groundwater in the southeast portion of the Site. Groundwater concentrations that exceed CUOs are present in this area, as observed in wells GW-03 and GW-04R. Points distal to the center of the Site, including downgradient locations, indicate groundwater concentrations of COCs drop below the CUOs or are no longer observed at short distances from the residual source area. This is what would be expected when the majority of mass volume has been removed and less mobile residual impacts remain.

The 2015 groundwater modeling (Barr 2015) for the Site estimated that P&T activities would take approximately 100 years for most COC concentrations to reach CUOs. The majority of that reduction appears to be due to natural degradation. The capital and O&M costs to operate a P&T system for 100 years are significant. In comparison to remediation by natural processes alone, conducting P&T activities in order to reach CUOs 20 years earlier is not cost-effective nor an environmentally sustainable approach.

8.3 Alternative #3 - In Situ Solidification / Stabilization

This alternative involves the removal of the existing P&T system and the implementation of ISS within the central portion of the Site. Additional institutional controls will be put in place at the Site to prevent disturbance of the ISS monolith.

ISS has been approved for implementation at more than 250 CERCLA sites across the USA. Long-term studies have been conducted at sites where ISS had been implemented 10 to 20 years prior and found no decrease in the effectiveness of the ISS solidifications (ITRC 2011). According to other literature, the life expectancy of ISS systems (cementitious binders) is predicted to extend from decades to thousands of years (Bates 2015).

For purposes of this screening, it is assumed that:

- An approximate area of 150 feet by 150 feet within the Site boundary is expected to be addressed by ISS at depths of up to 50 feet bgs, depending on the location and extent of soil considered to be a potential source of COCs to groundwater.
- ISS would likely be performed using 6-foot to 8-foot-diameter vertical augers mounted on a large crane or hydraulic drill rig.
- The estimated timeframe to complete implementation of ISS is six months.
- The estimated timeframe to complete the remedial action, including reporting, is 1.5 years.

Prior to commencing ISS, excavation of soil to a depth up to about five feet bgs may occur to create a working surface approximately five feet below the original ground elevation. This provides a sump to contain the “swell” or material expansion that occurs during ISS soil mixing. This volume expansion is estimated to range from 20 to 25 percent of the original treatment volume. The working surface will be leveled and stabilized with gravel or crane mats to create a stable platform for the ISS auger rigs. Dewatering of the excavation sump using portable sump pumps will also be conducted as necessary.

The ISS auger rigs will mechanically mix reagent and targeted soil, creating an array of overlapping, cement-like columns extending from the surface to the bottom of the target zone. Reagent for the ISS would be delivered by truck and mixed onsite in a batch plant.

Bench-scale treatability testing of soil collected from the Site is currently being performed to determine the reagents to be used and their mix ratios and addition rates. Adjustments to these design mixes may be made in the field to adjust for changes in site conditions or locally encountered impacts. A field demonstration test may also be performed immediately prior to doing full-scale implementation of ISS to verify the bench-scale results, evaluate full-scale equipment options, establish productivity rates, and identify implementation considerations. Due to logistical limitations associated with mobilizing ISS equipment to the Site for a standalone field demonstration test, a demonstration period would occur at the start of full-scale remediation.

ISS implementation would likely be sequenced as follows:

- Removal of the existing P&T system and well network onsite.

- Soil excavation to create a below-ground working surface for the implementation of ISS and the containment of swell materials.
- Mobilization and set-up of ISS auger rig and reagent batch plant.
- Set-up and operation of air monitoring equipment at the Site
- Demonstration test of ISS auger mixing of reagent(s) into the soil.
- Full-scale ISS operations to mix reagents into the soil.
- Excavation of the area to 10 feet BGS and placement of clean fill to grade.
- Site restoration.
- Decontamination and dismantling of equipment and demobilization from the Site.

In order to be protective of the monolith that ISS will create at the Site, a new or amended Environmental Covenant will be implemented for the Site to discourage disturbance of the soil below three feet bgs in an area extending six feet surrounding the footprint of the monolith. A prohibition on the installation of wells at the Site will also be included in the Environmental Covenant for the Site.

Alternative #3 – ISS		
Criteria	***Likelihood of Success***	***Basis/Notes***
Overall Protection of Human Health and the Environment	High	There is currently no risk to human health at the Site due to no GW ingestion occurring at the Site. Future risk is limited also due to municipal groundwater restrictions that are already in place for the surrounding area. However, an environmental covenant against installation of wells at the Site will be implemented to be protective of human health and the environment.
Compliance with ARARs	High	The successful implementation of ISS at the Site would bind up residual COCs in soil, reducing the concentrations of COCs that migrate to groundwater. This would result in groundwater concentrations that are below ARARs.
Long-Term Effectiveness and Permanence	High	The permanence and long-term effectiveness is estimated to be high. ISS has been successful at other MGP sites in reducing or eliminating COC concentrations in groundwater.
Reduction of Toxicity, Mobility, or Volume	High	ISS will significantly reduce the mobility of the residual COCs to migrate to groundwater.
Short-Term Effectiveness	Medium	Due to the high velocities of the groundwater, ISS should reduce the concentrations in downgradient water upon completion of the ISS. The implementation of the ISS is estimated to be six months.
Implementability	Medium	With the information available, implementability of ISS at the Site appears to be high. There is a small possibility that bench scale testing and/or the demonstration pilot would indicate constraining factors or that the velocity and volumes of groundwater would make implementation to all depths of residual impacts not feasible. The efforts for implementation of ICs at the Site is minimal.
Cost	Medium	Costs for this approach are high in the short term. The costs over the long-term are low.
State Acceptance		This criteria to be evaluated following IEPA review and decision regarding alternative remedial options.
Community Acceptance		This criteria to be evaluated following the Public Comment period.

Alternative #3 meets alternative screening criteria in the high range, with the exception of Short-Term Effectiveness and Costs. Alternative #3 is protective of human health and the environment. It is estimated that it would take up to one year to complete the implementation of ISS and may actually result in a slight increase in groundwater concentrations onsite in the short term; however, the costs are lower than operating a P&T system for more than 100 years and any increase in groundwater concentrations in the short-term would be temporary.

8.4 Alternative #4 - Institutional Controls

Alternative #4 is for the implementation of ICs only at the Site. This alternative assumes that the P&T system would be removed and that COC concentrations in soil attenuate without active remediation. This alternative assumes the following:

- A new or amended Environmental Covenant preventing installation of potable groundwater wells at the Site and the two downgradient properties is implemented,
- A new or amended Environmental Covenant preventing the movement or use of soil below three feet bgs at the Site is implemented, and
- Concentrations of COCs in groundwater below and immediately downgradient will remain stable but may increase in 1 to 2 years of the succession of the P&T system before resuming slow attenuation.

When the P&T system was turned off in 2017, concentrations did not significantly increase in wells downgradient of the Site until 2019, when an increase was observed in a limited area of the Site boundary. An initial increase in groundwater COC concentrations, followed by continued reduction in the concentrations of COCs in groundwater, was indicated to be the theoretical case in the groundwater modeling study for the Site (Barr 2015). The study also predicted that COC concentrations would not increase in wells outside the current extent of impacts, indicating that the area of impacts is not likely to expand to the east or west but continue following the drainage of the immediate area, to the south and southeast. The study estimated that the maximum extent of potential impacts would occur in approximately 13 years, after which natural attenuation of the exceedances presented by Site COCs along the centerline of the impacts would decline. It also estimated, based on graphs presented in the 2015 report (Barr 2015), that total natural attenuation of all impacts at the Site could take over 100 years. However, downgradient expansion of the impacts would be limited to the Site and the two properties owned by Ameren downgradient of the Site.

For purposes of this screening, the following is assumed:

- Groundwater concentrations will slowly increase at the southern Site boundary, reaching exceedance concentrations within five years at the southern Site boundary and within 13 years at the top of the drainage swale, which would be the furthest extent of exceedances in groundwater.
- COC concentrations will decrease after Year 13.
- Groundwater concentrations will exceed ARAR concentrations at the top of the drainage swale or the Site boundary within 100 years of cessation of the P&T system. This is modeled to be the furthest extent of exceedances in the groundwater plume.

Alternative #4 – Institutional Controls		
Criteria	***Likelihood of Success***	***Basis/Notes***
Overall Protection of Human Health and the Environment	Medium	There is currently no risk to human health at the Site or the two downgradient properties due to no GW ingestion occurring. Future risk is limited also due to municipal groundwater restrictions that

Alternative #4 – Institutional Controls		
Criteria	***Likelihood of Success***	***Basis/Notes***
		are already in place for the two downgradient properties. The implementation of an environmental covenant prohibiting the installation of potable drinking water wells is protective of human health and the environment.
Compliance with ARARs	Low	The majority of the groundwater below the Site and all groundwater monitored offsite meets ARARs. However, modelling conducted by Barr Engineering predicts that concentrations in the area of the southern Site boundary, along the center line of the plume and to a point at the top of the drainage swale, will experience concentrations of one or more COCs that exceed CUOs. It is estimated that compliance with ARARs would not be fully achieved for more than 100 years.
Long-Term Effectiveness and Permanence	Low	This approach is unlikely to be effective at reaching CUOs within a 100-year timeframe at all locations. This timeframe is not considered effective in comparison to the other alternatives.
Reduction of Toxicity, Mobility, or Volume	Low	Mobility of Site COCs could result in a short-term increase in concentrations at some wells as the area of impacts equilibrate to natural modelled limits. Reduction of the concentrations (toxicity) would occur in the most impacted portion of the plume within 13 years.
Short-Term Effectiveness	Low	This approach would be immediately effective to prevent exposure to the groundwater with the implementation of ICs but have no impact on the reduction of the groundwater concentrations in the short term.
Implementability	High	Implementability is high as effort is minimal.
Cost	High	The Cost of this approach is minimal.
State Acceptance		This criteria to be evaluated following IEPA review and decision regarding alternative remedial options.
Community Acceptance		This criteria to be evaluated following the Public Comment period.

Institutional controls alone are sufficient to address human health risks at the Site if the P&T system were turned off and the area of impacts allowed to migrate to their modeled extent and, over time, attenuate naturally. The Site is not a risk to the public as long as the property owner that prevents exposure to the groundwater at the Site and at the adjacent downgradient property. Although, as compared to other alternatives, this alternative does result in the increase in the extent of COCs, albeit limited, in groundwater on the adjacent downgradient property, the property is under a city-wide ordinance preventing the use of potable groundwater below the property. However, there is the potential that the southernmost portion of impacted groundwater reaches and emerges in the sediment area along the drainage swale and future ecological risks, although perceived to be low, are unknown.

8.5 Alternative #5 - Monitored Natural Attenuation with Institutional Controls

Like Alternative #4, MNA relies on natural degradation and non-degradation processes to reduce concentrations of COCs in the plume but also includes active monitoring of the groundwater to evaluate the plume to Year 15 after closure of the P&T system. It is anticipated that aerobic biodegradation would continue to occur at the Site, and groundwater modeling (Barr 2015) has indicated that these processes could reduce most COCs to concentrations below the CUOs within 100 years. Similar to P&T, the timeline needed for MNA to remediate the Site is not preferrable. However, MNA is preferrable to the continuation of an active P&T system, which utilizes a significant amount of energy over time and creates waste that

must be taken offsite for disposal and/or treatment. Therefore, although unlikely to be implementable at the Site, due to the energy savings, MNA is retained for evaluation in this FFS for comparison purposes.

This FS assumes that the P&T system is shut down and that the number of monitoring wells would be reduced to those needed to monitor the downgradient areas to the plume until which time compliance is met and monitoring can cease. Concentrations of COCs may temporarily rebound, therefore, the remaining wells will continue to be sampled quarterly for a period of three years to evaluate the behavior of the plume. A sentinel well location will be designated, in agreement with IEPA, to determine if sampling can be reduced after a period of three years. If concentrations are not observed to be exceeding applicable objectives at the sentinel well after three years, sampling would be reduced to an annual sampling event until compliance with the ROD is met. A new sentinel well location may also be established, in agreement with IEPA, to determine if additional actions are needed at the Site, such as installation of new wells, addition of biological or oxidizing agents, et al. In this scenario, following ten years of monitoring results that confirm attenuation of the Site COCs is occurring, sampling would be reduced to a 5-year sampling event, with IEPA's approval.

The ICs included in Alternative #4 would also be included in this alternative:

- A new or amended Environmental Covenant preventing installation of potable groundwater wells at the Site and the two downgradient properties is implemented, and
- A new or amended Environmental Covenant preventing the movement or use of soil below three feet bgs at the Site is implemented.

The behavior of the impacted groundwater is assumed to the same as in Alternative #4:

- Groundwater concentrations will slowly increase at the southern Site boundary, potentially exceeding the CUOs within five years at the southern Site boundary and within 13 years at the top of the drainage swale, which would be the furthest extent of exceedances in the groundwater plume.
- Concentrations will decrease after Year 13.
- Groundwater concentrations will exceed ARAR concentrations at the top of the drainage swale or the Site boundary within 100 years of cessation of the P&T system. This is modeled to be the furthest extent of exceedances in the groundwater plume.

As Alternative #4 and Alternative #5 use a similar approach (with the addition of groundwater monitoring for Alternative #5), there is little difference in the likelihood of success between the two alternatives, as shown in the table below. For ease of review, text already included in Alternative #4 is *italicized*.

Alternative #6 – MNA with Institutional Controls		
Criteria	***Likelihood of Success***	***Basis/Notes***
Overall Protection of Human Health and the Environment	High	*There is currently no risk to human health at the Site or the two downgradient properties due to no GW ingestion occurring. Future risk is limited also due to municipal groundwater restrictions that are already in place for the two downgradient properties. The implementation of an environmental covenant onsite, and on the adjacent properties Ameren owns, prohibiting the installation of potable drinking water wells is protective of human health and the environment.* The addition of monitoring to this approach does increase the protection of human health and the environment slightly as, if there were an unexpected increase in extent or duration of exceedance, it would be known from the collection of samples on a regular basis.
Compliance with ARARs	Low	*The majority of the groundwater below the Site and all groundwater monitored offsite meets ARARs. However, modelling*

Alternative #6 – MNA with Institutional Controls		
Criteria	***Likelihood of Success***	***Basis/Notes***
		conducted by Barr Engineering predicted that concentrations in the area of the southern Site boundary, along the center line of the plume and to a point at the top of the drainage swale, will experience concentrations of one or more COCs that may exceed their RAO. It is estimated that compliance with ARARs would not be fully achieved for more than 100 years. The addition of monitoring has little or no impact on the Compliance with ARARs criteria.
Long-Term Effectiveness and Permanence	Low	*This approach is unlikely to be effective at reaching* CUOs *within a 100-year timeframe at all locations. This time frame is not considered effective in comparison to the other alternatives.* The addition of monitoring has little or no impact on the Long-Term Effectiveness and Permanence criteria.
Reduction of Toxicity, Mobility, or Volume	Low	*Mobility of Site COCs will increase as the plume is extended to the downgradient property as expected. Reduction of the concentrations (toxicity) would occur in the most impacted portion of the plume 13 years.* The addition of monitoring has little or no impact on this criteria.
Short-Term Effectiveness	Low	*This approach would be immediately effective to prevent exposure to the groundwater with the implementation of ICs but have no impact on the reduction of the groundwater concentrations in the short term.* The addition of monitoring has little or no impact on the Short-term Effectiveness criteria.
Implementability	High	Implementability is high as effort for implementation of ICs and a groundwater monitoring system is minimal.
Cost	High	Although the costs for IC implementation is minimal, the addition of monitoring in this alternative presents increased costs in comparison to the use of ICs alone (Alternative #4).
State Acceptance		This criteria to be evaluated following IEPA review and decision regarding alternative remedial options.
Community Acceptance		This criteria to be evaluated following the Public Comment period.

Alternative #5, which adds groundwater monitoring to Alternative #4's approach, is similar in expectation of success to meet the nine criteria. It does present a slight increase in likelihood to meet the Overall Protection criteria by providing an active observation of the plume for a period of 15 years. USEPA guidance provides that consideration of costs can be given when two or more criteria provide the same protection. The costs for Alternative #5 are expected to be an order of magnitude higher than the costs of Alternative #4.

With the thirty years of groundwater monitoring already conducted at the Site and in downgradient areas, the hydrogeologic setting of the Site and surrounding area are well known. The system has been shut off twice and monitored; no exceedances of CUOs were observed offsite downgradient. The 2015 groundwater modeling indicated concentrations will increase along the center line but only to a point on the northern portion of the adjacent Ameren-owned property. Impacts are not expected to migrate beyond the first adjacent property owned by Ameren.

Therefore, if attenuation is ultimately chosen to be the remedial alternative for the Site, the use of Alternative #5, rather than Alternative #4, is preferable, reasonable, and protective.

9. COMPARISON OF REMEDIAL ALTERNATIVES

As discussed in Section 8, potential remedial alternatives were evaluated. To enable comparison of the alternatives, for each of the nine screening criteria, the five alternatives will be "ranked" as to their likelihood to meet the given criteria. The ranking of "1" is given to an alternative most likely to achieve the given criteria and a ranking of "5" is given to the least likely alternative to meet this criteria*. If two or more alternatives are similar in their likelihood of success, the same ranking will be applied to all, in which case the lowest ranking may a value other than "5".* The table below presents the relative rankings of the alternatives.

Summary of Potential Remedial Alternatives

Criteria / Screening Steps	***#1*** No Action	***#2*** P&T	***#3*** ISS w/ ICs	***#4*** ICs Only	***#5*** MNA w/ ICs	***Notes***
Overall Protection of Human Health and the Environment	4	2	1	2	3	Alternative #1 is not protective and is eliminated. The remaining alternatives meet this criteria.
Compliance with ARARs	3	2	1	4	4	Although it will take 100 years or more, Alternatives #4 and #5 will reach ARARs, meeting this threshold criteria. The likelihood of ISS (whether with or without ICs) to be successful in meeting ARARs is high.
Long-Term Effectiveness and Permanence	4	2	1	3	3	Alternatives #4 and #5 will take over 100 years to complete. The extended duration reduces the certainty of adequacy and reliability of institutional controls. Alternative #3 has the most favorable long-term effectiveness.
Reduction of Toxicity, Mobility, or Volume	4	2	1	3	3	Alternatives #4 and #5 will temporarily result in increased concentrations and mobility of the plume, and completion is only after 100 years. Alternative #3 is most favorable for reducing COCs.
Short-Term Effectiveness	4	3	1	2	2	Alternative #3 offers the most short-term benefit. Alternatives #2, #4, and #5 have little short-term benefit. Due to the length of time needed to meet ARARs, and the unlikelihood of success in meeting both Effectiveness criteria and Reduction of COCs criteria, Alternatives #4 and #5 are eliminated from further consideration.
Implementability	2	1	3	1	2	Alternative #1 is already in place so Implementability is highest. Alternative #3 is expected to be implementable; further testing would be conducted to confirm.
Cost	2	5	4	1	3	The costs for continuation of a P&T system (Alternative #2) are significant and one order of magnitude higher than Alternative #3.
State Acceptance						This criteria to be evaluated following IEPA review and decision regarding alternative remedial options.
Community Acceptance						This criteria to be evaluated following the Public Comment period.

The two remaining potential remedial alternatives that are favorable for USEPA's "threshold" criteria – Overall Protection of Human Health and the Environment – are Alternatives 2 and 3, which are continuation of P&T remediation, and ISS, respectively.

Of the two remaining potential remedial alternatives, the alternative that is most favorable for USEPA's other "threshold" criteria – Compliance with ARARs – is Alternative #3, which is the implementation of ISS. Alternative #2 (P&T at the Site) could meet ARARs, but not in a timeframe that is preferable, Therefore, Alternative #2 is less favorable than Alternative #3 for this criteria.

Evaluation of the seven "balancing" criteria that remain for comparison do not elevate Alternative #2 in this screening to a more favorable position than Alternative #3. Although P&T at the Site is implemented currently and already has state and community acceptance, it is not favorable with respect to long-term or short-term effectiveness, reduction of toxicity, or costs. Due to these factors, the continuation of the P&T system is not a preferred remedial alternative for the Site.

The approach for Alternative #3 (ISS) will include applicable ICs to discourage disturbance of the soil within the footprint of the monolith and prohibit the installation of wells at the Site. As discussed for Alternative #4 – Institutional Controls Alone – an IC prohibiting the installation of groundwater wells for the extraction of potable groundwater provides sufficient protection of overall human health in the future. The addition of the two proposed ICs to the ISS approach will provide a small increase in the protection of future populations versus ISS alone, as well as be a second, back up layer of protection if the ISS monolith were to erode in the far distant future.

Therefore, the preferred remedial alternative for this Site is Alternative #3 – ISS (with Institutional Controls). Current testing for ISS design is on-going and will be used to determine the specific applicability of ISS at the Site.

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FIGURES

W 3rd St

S Webster St

Residential

Within City Limits

Taylorville – City Limits

Taylorville Township

Railroad Property

Residential

Norfolk Southern Railroad

Manners Park

Recreational

Residential

Site

Within City Limits

Taylorville Township

Taylorville – City Limits

Within City Limits

Agricultural

N

0 75 150 300 Feet

N

Legend

- City Boundary
- Parent Parcel Boundary
- Site Boundary
- *Type* Zoning Classification

Notes:

Figure 1
Site Location and Surrounding Land Use
Ameren Taylorville MGP Site
Taylorville Township
Christian County, IL

Environmental Resources Management
www.erm.com
ERM

Source: Esri - World Topoographic Map; GCS NAD 1983 2011

DRAWN BY: Philly GIS - S. Long

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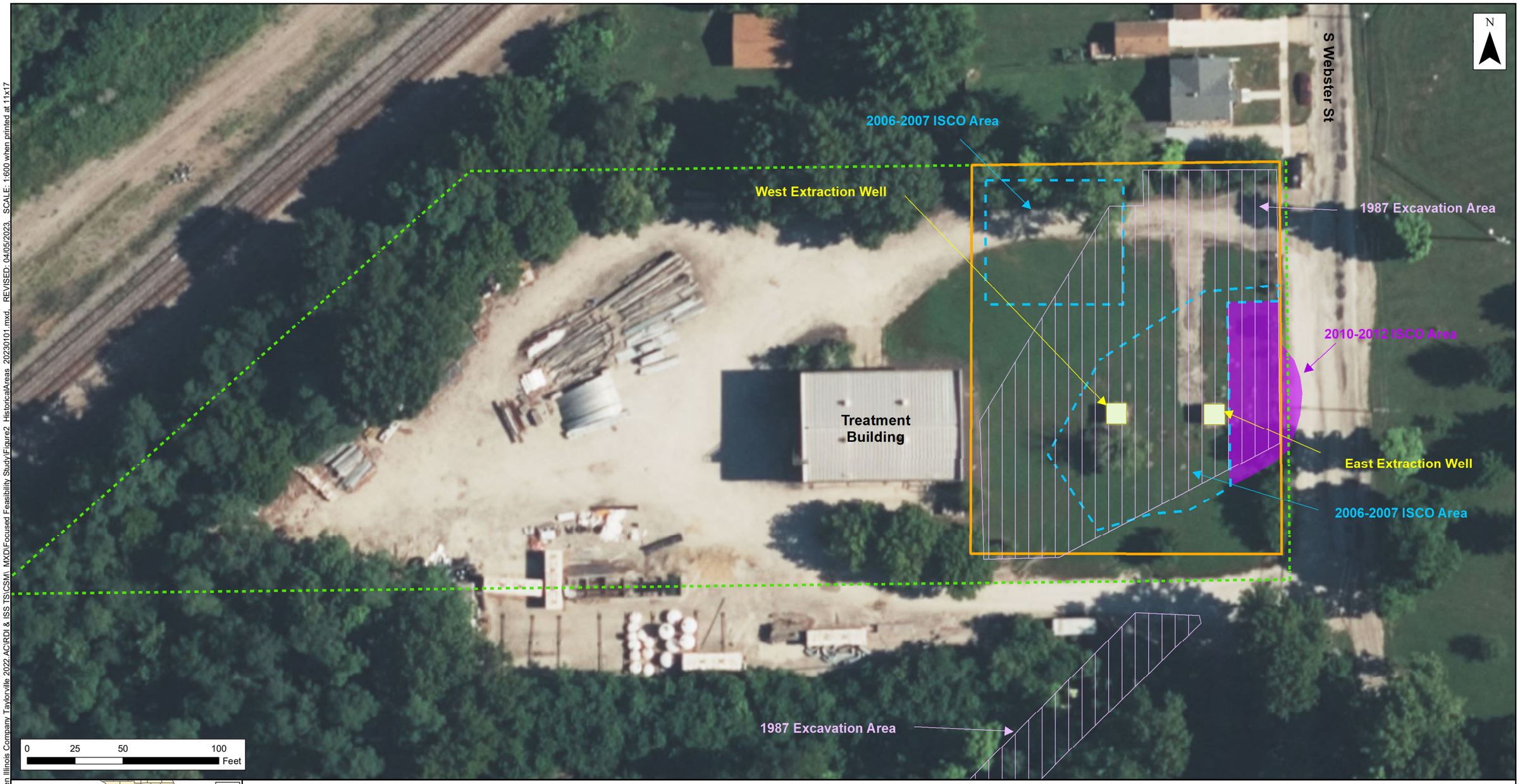

Legend

- Parent Parcel Boundary
- Site Boundary
- 1987 Excavation Area
- 2006-2007 ISCO Treatment Area
- 2010-2012 ISCO Treatment Area
- Pump & Treat Extraction Wells (1995-Present)

Note:
ISCO – In Situ Chemical Oxidation Treatment

Figure 2
Historical Remediation Areas
Ameren Taylorville MGP Site
Taylorville Township
Christian County, IL

Environmental Resources Management
www.erm.com
ERM

Source: Esri - World Topoographic Map; NAD 1983 2011 StatePlane Illinois West FIPS 1202 Ft US

DRAWN BY: Philly Office - S. Long

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Legend

- Groundwater Well
- Parent Parcel Boundary
- Site Boundary

Notes:

Figure 3
Onsite and Adjacent Groundwater Wells
Ameren Taylorville MGP Site
Taylorville Township
Christian County, IL

Environmental Resources Management
www.erm.com

Source: Esri - World Topoographic Map; NAD 1983 2011 StatePlane Illinois West FIPS 1202 Ft US

DRAWN BY: Philly Office - S. Long

Legend

- Groundwater Well
- Parent Parcel Boundary
- Site Boundary
- Approximate City Limits
- Regional Groundwater Flow Direction

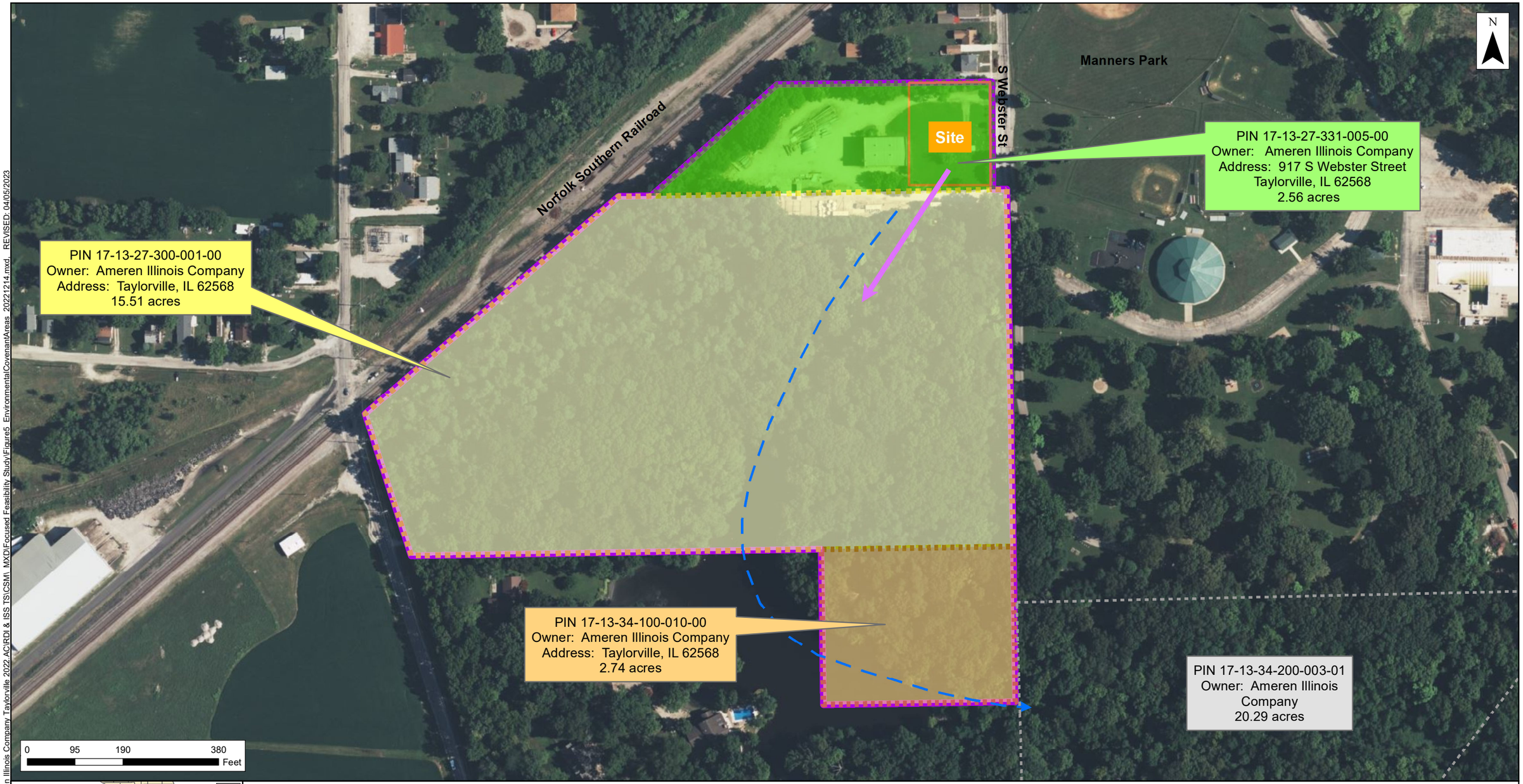
Notes:

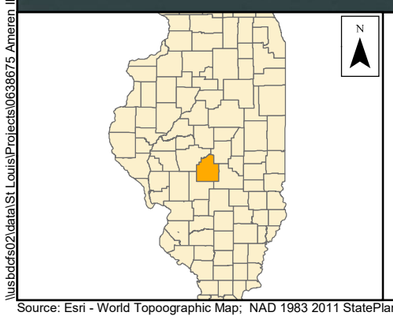
Figure 4
Offsite Groundwater Wells
Ameren Taylorville MGP Site
Taylorville Township
Christian County, IL

Environmental Resources Management
www.erm.com

Source: Esri - World Topoographic Map; NAD 1983 2011 StatePlane Illinois West FIPS 1202 Ft US

DRAWN BY: SJG





Legend

- Surface Water and Shallow Groundwater Flow Direction (direction varies)
- Groundwater Flow Direction (to south/southwest)
- Parent Parcel Boundary
- Adjacent Downgradient Parcel
- Boundary Included In Environmental Covenant
- Site Boundary
- Area of Environmental Covenant

Environmental Covenant (August 20, 2012)

-No Groundwater Usage

-No Groundwater Wells

-Handling of Contaminated Groundwater – Must be in accordance with ROD, Consent Decree and all applicable laws and regulations

-Handling of Soil – In the event subsurface soils are removed, excavated, or disturbed from the impacted area, such soils should be evaluated and managed in accordance with all applicable laws and regulations

Figure 5
Environmental Covenant Areas
Ameren Taylorville MGP Site
Taylorville Township
Christian County, IL

Environmental Resources Management
www.erm.com

Source: Esri - World Topoographic Map; NAD 1983 2011 StatePlane Illinois West FIPS 1202 Ft US

DRAWN BY: SJG

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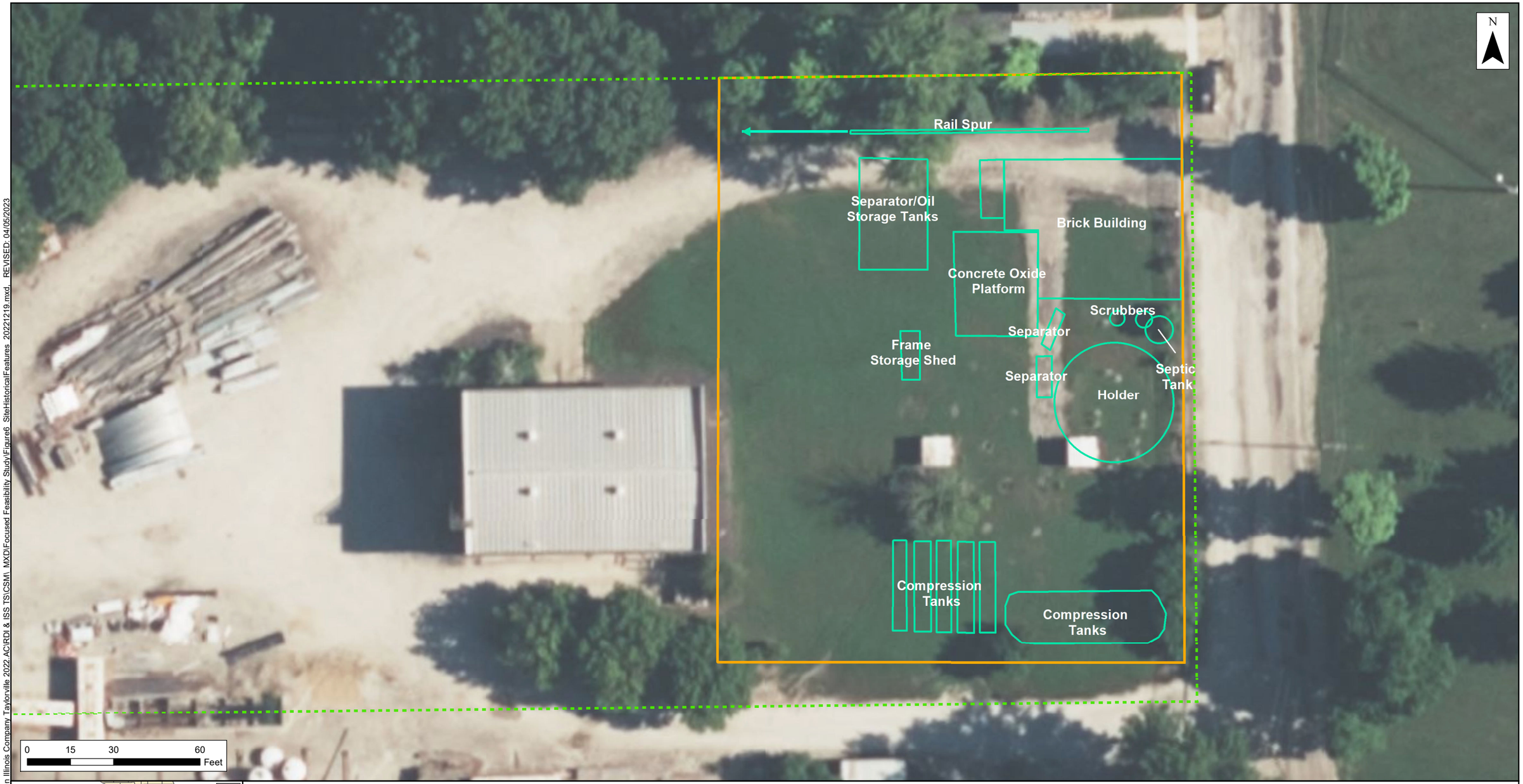

Legend

- Parent Parcel Boundary
- Remediation Site Boundary
- Historical Features

Notes:

Figure 6
Historical Site Layout Map
Ameren Taylorville MGP Site
Taylorville Township
Christian County, IL

Environmental Resources Management
www.erm.com

Source: Esri - World Topoographic Map; NAD 1983 2011 StatePlane Illinois West FIPS 1202 Ft US

DRAWN BY: Philly GIS - S. Long

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TABLES

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-01 Analyte	Unit	Cleanup Objective (CUO)	Result 3/4/2015	Result 5/13/2015	Result 8/19/2015	Result 11/3/2015	Result 2/17/2016	Result 5/25/2016	Result 8/17/2016	Result 11/15/2016	Result (DUP) 11/15/2016	Result 2/14/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001 B	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = Not analyzed due to laboratory error.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-01 Analyte	Unit	Cleanup Objective (CUO)	Result 5/16/2017	Result 8/16/2017	Result 11/22/2017	Result (DUP) 11/22/2017	Result 2/15/2018	Result (DUP) 2/15/2018	Result 5/10/2018	Result (DUP) 5/10/2018	Result 8/14/2018	Result (DUP) 8/14/2018
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.0013 J**	< 0.006	< 0.006	**0.0017 JSR**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	---	---	---	---	---	---	---	---
Fluoranthene	mg/L	0.28	< 0.0021	**0.00012 J**	< 0.0001 B	< 0.0001 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0001 B	**0.000156 B**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzene	µg/L	5.0	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 2	< 2	< 2	< 2	< 2	< 2 B	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1 B	< 1	< 1

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
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R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = Not analyzed due to laboratory error.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-01 Analyte	Unit	Cleanup Objective (CUO)	Result 11/8/2018	Result (DUP) 11/8/2018	Result 2/19/2019	Result 5/7/2019	Result 8/14/2019	Result 11/13/2019	Result 2/19/2020	Result 5/14/2020	Result 8/13/2020	Result 11/11/2020	Result 2/24/2021
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000088 J**	< 0.0001	< 0.0001 B	< 0.000222	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00006 J**	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00148 C	< 0.002 C	< 0.002 C	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000222	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000148	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 B	< 0.000074	< 0.0001	< 0.0001	< 0.0002
m,p-Cresol	mg/L	-	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	< 0.0002	**0.000891**	< 0.0002	< 0.0002	< 0.000296	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000444	< 0.0006	< 0.0006	**0.0007**
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.000148	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
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The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = Not analyzed due to laboratory error.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-01 Analyte	Unit	Cleanup Objective (CUO)	Result 5/13/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022	Result 5/10/2022	Result 9/8/2022
Acenaphthene	mg/L	0.42	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	NA	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	NA	**0.000074 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	NA	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	NA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	NA	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	NA	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	NA	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	**0.37 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	**0.37 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = Not analyzed due to laboratory error.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-02 Analyte	Unit	Cleanup Objective (CUO)	Result 3/4/2015	Result 5/12/2015	Result 8/18/2015	Result 11/3/2015
Acenaphthene	mg/L	0.42	**0.0081 J**	**0.00053 J**	< 0.01	**0.0213**
Acenaphthylene	mg/L	-	**0.004 J**	**0.00065 J**	**0.0001 J**	**0.0163**
Anthracene	mg/L	2.1	**0.00035 J**	**0.00019 J**	**0.00018 J**	**0.00036 J**
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00401**	**0.0472**	**0.00442**	**0.0021**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	**0.00013 J**
Fluorene	mg/L	0.28	**0.00039 J**	< 0.0021	< 0.0021	**0.0001 J**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	**0.00015 B**	< 0.0001	< 0.0001	< 0.0001
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Naphthalene	mg/L	0.14	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	**0.00012 J**
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	**0.00013 J**
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	**5.44**	< 0.6	**1.53**
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-02 Analyte	Unit	Cleanup Objective (CUO)	Result 2/17/2016	Result 5/25/2016	Result 8/17/2016	Result 11/15/2016	Result 2/16/2017	Result 5/16/2017
Acenaphthene	mg/L	0.42	**0.004 J**	< 0.01	< 0.01	**0.00019 J**	**0.0053 J**	**0.0089 J**
Acenaphthylene	mg/L	-	**0.0056 J**	**0.0004 J**	**0.00011 J**	**0.0019 J**	**0.0087 J**	**0.0103**
Anthracene	mg/L	2.1	**0.00026 J**	**0.00029 J**	**0.00026 J**	**0.00025 J**	**0.00036 J**	**0.0012 J**
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00006 J**	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0017 J**	---	---	---	---	**0.00229**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	**0.00022 J**
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	**0.00099 J**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001	---	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	**0.00023 J**	< 0.0064	< 0.0064	< 0.0064	**0.0018 J**
Pyrene	mg/L	0.21	**0.00011 J**	< 0.0027	< 0.0027	**0.00009 J**	**0.00009 J**	**0.00029 J**
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	**1.53**	< 0.6	< 0.6	< 0.6	< 0.6	**1.21**
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-02 Analyte	Unit	Cleanup Objective (CUO)	Result 8/18/2017	Result 11/21/2017	Result 2/15/2018	Result 5/9/2018	Result 8/14/2018	Result 2/20/2019	Result 5/8/2019	Result (DUP) 5/8/2019
Acenaphthene	mg/L	0.42	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	**0.00048 J**	**0.000323**	**0.000062 J**	**0.000791**	**0.000065 J**	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	**0.00057 J**	**0.000329**	**0.000348**	**0.000273**	**0.000239**	**0.000243**	**0.000134**	**0.000113**
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000056 J**	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000059 J**	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00746**	< 0.008	**0.0018 J**	< 0.002	**0.00615**	**0.0108**	**0.00416**	**0.00756**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00006 J**	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	---	---	---	---	---	---	---
Fluoranthene	mg/L	0.28	**0.00019 J**	**0.000118**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	**0.00012 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	**0.00057**	< 0.0002
Phenanthrene	mg/L	-	< 0.0064	< 0.0001	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	**0.00022 J**	**0.000151**	**0.000155**	**0.000159**	**0.00012**	**0.00013 BJ**	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.1	< 2	< 2	< 2	< 2	**1.5 J**	< 2
o-Xylene	µg/L	-	< 2	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 1	< 1	< 1	< 1	< 1	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-02 Analyte	Unit	Cleanup Objective (CUO)	Result 8/13/2019	Result 11/14/2019	Result (DUP) 11/14/2019	Result 2/19/2020	Result 5/14/2020	Result (DUP) 5/14/2020	Result 8/14/2020	Result 11/11/2020
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	**0.000085 J**	**0.00017**	0.000165	< 0.0001 B	< 0.000254	< 0.000254	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000169	< 0.000169	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0377**	**0.00335**	**0.00349**	**0.00726**	< 0.00169 C	< 0.00169 C	**0.0225 C**	< 0.002 C
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000085	< 0.000085	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00847	< 0.00847	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000254	< 0.000254	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000169	< 0.000169	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001 B	< 0.000085	< 0.000085	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00847	< 0.00847	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00847	< 0.00847	< 0.01	< 0.0004
Naphthalene	mg/L	0.14	< 0.0002	< 0.0002	0.000268	< 0.0002	< 0.000339	< 0.000339	< 0.0004	< 0.01
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000508	< 0.000508	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	**0.00014 J**	0.00012	< 0.0002 B	< 0.000169	< 0.000169	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**1.6 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-02 Analyte	Unit	Cleanup Objective (CUO)	Result (DUP) 11/11/2020	Result 2/24/2021	Result 5/13/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022	Result 5/10/2022	Result 9/8/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	**0.000074 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002 C	**0.00364 C**	**0.00206**	**0.0195**	< 0.002 B	< 0.002	< 0.002	**0.0108 S**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	**0.35 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	**0.35 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-03 Analyte	Unit	Cleanup Objective (CUO)	Result 3/4/2015	Result 5/12/2015	Result 8/18/2015	Result 11/3/2015	Result (DUP) 11/3/2015	Result 2/17/2016	Result 5/25/2016	Result 8/17/2016	Result (DUP) 8/17/2016
Acenaphthene	mg/L	0.42	< 0.01	**0.00042 J**	**0.00037 J**	**0.00012 J**	**0.00016 J**	**0.00041 J**	**0.00091 J**	**0.00079 J**	**0.001 J**
Acenaphthylene	mg/L	-	**0.00036 J**	**0.0021 J**	**0.0017 J**	**0.00057 J**	**0.0009 J**	**0.002 J**	**0.0045 J**	**0.0033 J**	**0.0044 J**
Anthracene	mg/L	2.1	**0.0001 J**	**0.00011 J**	**0.0001 J**	**0.00011 J**	**0.00012 J**	**0.00011 J**	< 0.0066	**0.00013 J**	**0.00013 J**
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00007 J**	**0.00006 J**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.00433**	**0.00502**	**0.0014 J**	**0.00248**	**0.0011 J**	---	---	---
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	**0.00062 J**	**0.00064 J**	**0.00073 J**	**0.00094 J**	**0.00098 J**	**0.0011 J**	**0.00048 J**	**0.001 J**	**0.00095 J**
Fluorene	mg/L	0.28	**0.0001 J**	**0.00036 J**	**0.00043 J**	**0.00015 J**	**0.00019 J**	**0.0004 J**	**0.001 J**	**0.0009 J**	**0.0011 J**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	**0.00016 B**	**0.00039**	**0.00015**	< 0.0001	< 0.0001	< 0.0001	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	**0.00015**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	**0.00011 J**	**0.00016 J**	< 0.0064	**0.00011 J**	**0.00011 J**	**0.00014 J**	**0.00022 J**	**0.00032 J**	**0.00038 J**
Pyrene	mg/L	0.21	**0.00073 J**	**0.00078 J**	**0.00095 J**	**0.0012 J**	**0.0013 J**	**0.0014 J**	**0.0007 J**	**0.0016 J**	**0.0015 J**
Benzene	µg/L	5.0	**2.34**	**14.4**	**22.8**	**2.16**	**2 J**	**16.8**	**34.6**	**15.7**	**14.5**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2
Ethylbenzene	µg/L	700	**0.29 J**	**7.44**	**4.89**	**0.46 J**	**0.58 J**	**4.46**	**11.6**	**6.24**	**5.39**
m,p-Xylenes	µg/L	-	**3.3 J**	**66.5**	**70**	**1.1 J**	**1.3 J**	**41.4**	**103**	**34.1**	**30.7**
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	**1.7 B**	< 0.2	< 0.2
Naphthalene	µg/L	140	**50.6**	**216**	**334**	**20.5**	**20.5**	**302**	**921**	**439**	**474**
o-Xylene	µg/L	-	**3.62**	**41.4**	**48.1**	**1.8 J**	**2.11**	**45.6**	**95.3**	**36.7**	**33.3**
Toluene	µg/L	1000	**0.66 J**	**14**	**8.28**	**0.31 J**	**0.37 J**	**7.98**	**20.8**	**7.68**	**6.74**
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 5	< 5
Xylenes, Total	µg/L	10000	**6.91**	**108**	**118**	**3 J**	**3.4 J**	**87**	**198**	**70.8**	**64.1**

Notes:
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J = Analyte detected below quantitation limits
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E = Value above quantitation range
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R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-03 Analyte	Unit	Cleanup Objective (CUO)	Result 11/15/2016	Result 2/16/2017	Result (DUP) 2/16/2017	Result 5/16/2017	Result (DUP) 5/16/2017	Result 8/18/2017	Result 11/21/2017	Result 2/15/2018	Result 5/9/2018
Acenaphthene	mg/L	0.42	**0.00051 J**	**0.00022 J**	**0.0002 J**	**0.00068 J**	**0.00064 J**	**0.00027 J**	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	**0.0024 J**	**0.00084 J**	**0.00085 J**	**0.0028 J**	**0.0033 J**	**0.0015 J**	**0.000147**	**0.000072 J**	**0.000065 J**
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	**0.00019 J**	**0.00022 J**	**0.00016 J**	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	**0.00007 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.0001
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	---	---	---	**0.0018 J**	**0.0021**	**0.0107**	< 0.006	**0.00892**	**0.00306**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	---	---	---
Fluoranthene	mg/L	0.28	**0.0011 J**	**0.0011 J**	**0.001 J**	**0.0019 J**	**0.0021 J**	**0.00225**	**0.00162**	**0.000884**	**0.00109**
Fluorene	mg/L	0.28	**0.0006 J**	**0.0003 J**	**0.00035 J**	**0.001 J**	**0.0013 J**	**0.00059 J**	**0.000122**	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	**0.0003 J**	< 0.0064	**0.00012 J**	**0.00082 J**	**0.00081 J**	< 0.0064	**0.000154**	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	**0.0017 J**	**0.0017 J**	**0.0016 J**	**0.00284**	**0.00325**	**0.00359**	**0.00279**	**0.00034**	**0.00124**
Benzene	µg/L	5.0	**6.65**	**4.52**	**4.92**	**18.7**	**20.8**	**4.99**	**0.75**	< 0.5	**2.55**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	**0.76 J**	**0.3 J**	**0.32 J**	**11.8**	**14.3**	**0.72 J**	< 1	< 1	**0.2 J**
m,p-Xylenes	µg/L	-	**4.22**	**0.53 J**	**0.55 J**	**51.8**	**63.8**	**2.5 J**	< 1	**0.3 J**	**2.27**
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 1	< 0.2	< 0.2	< 0.5	**0.33 J**	< 2
Naphthalene	µg/L	140	**195**	**22.2**	**23.6**	**554**	**370**	**67.7**	**1.05**	< 2	**8.12**
o-Xylene	µg/L	-	**9**	**4.12**	**4.31**	**54.6**	**64.5**	**6.13**	< 1	**0.31 J**	**3.45**
Toluene	µg/L	1000	**0.83 J**	< 2	< 2	**21.6**	**26.8**	**0.92 J**	< 2	**0.47 J**	**0.54 J**
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 25	< 5	< 5	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	**13.2**	**4.65**	**4.86**	**106**	**128**	**8.6**	< 1	**0.61 J**	**5.72**

Notes:
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-03 Analyte	Unit	Cleanup Objective (CUO)	Result 8/14/2018	Result 11/7/2018	Result 2/20/2019	Result 5/8/2019	Result 8/13/2019	Result 11/14/2019	Result 2/19/2020	Result 5/12/2020	Result 8/14/2020	Result 11/10/2020
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	**0.000624**	**0.000792**	**0.00122**	**0.000844**	**0.00117**	**0.00139**	**0.000473**
Acenaphthylene	mg/L	-	**0.000143**	**0.000083 J**	**0.00018**	**0.00247**	**0.00229**	**0.00563**	**0.00292**	**0.0042 J**	**0.00501**	**0.00183**
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000163**	**0.00013**	**0.000154**	**0.00017 J**	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000055 J**	**0.000096 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000082	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	**0.000072 J**	< 0.0001	< 0.0001	**0.00006 J**	< 0.0001	< 0.0001	< 0.000082	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	**0.00005 J**	**0.000101**	< 0.0001	< 0.0001	**0.000133**	< 0.0001	< 0.0001	< 0.000082	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0001	**0.000051 J**	< 0.0001	< 0.0002	**0.00018 J**	< 0.0002	< 0.0002	< 0.000164	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000082	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.00266**	< 0.002	**0.00655**	**0.00207**	< 0.05	**0.0109**	< 0.00164 C	**0.0461 C**	< 0.002 C
Chrysene	mg/L	0.0015	< 0.0001	**0.000076 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000082	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000082	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.0082	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00103**	**0.000901**	**0.00063**	**0.00089**	**0.000664**	**0.00101**	**0.000421**	**0.000306**	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	**0.000828**	**0.00113**	**0.00244**	**0.00186**	**0.00274**	**0.00314**	**0.0012**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00031**	< 0.0001	**0.000081 J**	< 0.000082	**0.000071 J**	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	**0.00057 J**	< 0.01	< 0.01	< 0.0082	< 0.01	< 0.01
o-Cresol	mg/L	0.35	---	---	---	---	**0.00094 J**	< 0.01	< 0.01	< 0.0082	< 0.01	< 0.0100
Naphthalene	mg/L	0.14	---	---	---	**0.542**	**0.00132**	**0.597**	**0.153**	**0.521**	**0.587**	**0.128**
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	**0.000653**	**0.000613**	**0.000971**	**0.0011**	**0.000605**
Pyrene	mg/L	0.21	**0.00155**	**0.00118**	**0.00095 B**	**0.00155**	**0.00109**	**0.00183**	**0.000819**	**0.000661**	**0.000298**	< 0.0002
Benzene	µg/L	5.0	**0.16 J**	**0.41 J**	**3.71**	**43.9**	**30.2**	**10.8**	**24**	**50.1**	**47.1**	**16.2**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	**0.14 J**	**23.8**	**7.3 J**	**3.81**	**12.7**	**42.6**	**40.5**	**21.6**
m,p-Xylenes	µg/L	-	< 1	**0.31 J**	**2.65**	**124**	**83.1**	**22.8**	**41.6**	**135**	**76**	**9.33**
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**1.8 J**	**26.9**	**606**	**1020**	**674**	**654**	**1000**	**842**	**924**
o-Xylene	µg/L	-	**0.13 J**	**1.02**	**5.56**	**112**	**86.8**	**28.6**	**52.2**	**124**	**107**	**31**
Toluene	µg/L	1000	**0.16 J**	< 2	**0.29 J**	**43.4**	**11 J**	**2.68**	**6.2**	**21.8**	**11.5**	**2.34**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 1	**1.33**	**8.21**	**237**	**170**	**51.3**	**93.9**	**259**	**183**	**40.4**

Notes:
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-03 Analyte	Unit	Cleanup Objective (CUO)	Result 2/24/2021	Result (DUP) 2/24/2021	Result 5/13/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022	Result 5/12/2022	Result 9/8/2022	Result (DUP) 9/8/2022
Acenaphthene	mg/L	0.42	**0.00078**	**0.000795**	**0.000597**	**0.000938**	**0.000681**	**0.00064**	**0.00114**	**0.000699**	**0.000717**
Acenaphthylene	mg/L	-	**0.00346**	**0.00309**	**0.00245**	**0.00292**	**0.00242**	**0.00245**	**0.00419**	**0.00275**	**0.00276**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	**0.00024 J**	**0.00023 J**	< 0.0003	**0.00025 J**	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00316**	< 0.002	**0.0018 J**	< 0.002	**0.0019 BJ**	**0.00277**	**0.0029**	**0.0018 J**	**0.0015 J**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	**0.00228**	**0.00235**	**0.00159**	**0.00262**	**0.00178**	**0.00175**	**0.0029**	**0.00188**	**0.00184**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.133
Naphthalene	mg/L	0.14	**0.239**	**0.181**	**0.202 S**	**0.157**	**0.129**	**0.0873**	**0.329 S**	0.114	< 0.01
Phenanthrene	mg/L	-	**0.001080**	**0.000925**	**0.000769**	**0.00127**	**0.000785**	**0.000776**	**0.00143**	**0.00109**	**0.00103**
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	**23.6**	**22.8**	**10.4**	**24.2**	**11.2**	**13.3**	**24.6**	**8.58**	**11**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 20	< 2	< 2
Ethylbenzene	µg/L	700	**32.4**	**31.6**	**12.5**	**37.9**	**13.2**	**15.9**	**27.7**	**9.77**	**15**
m,p-Xylenes	µg/L	-	**25.8**	**25.5**	**6.19**	**16.4**	**3.16**	**3.42**	**31.9**	**1.57**	**2.01**
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 20	< 2	< 2
Naphthalene	µg/L	140	**421**	**425**	**285 E**	**511**	**224**	**161**	**375**	**143**	**192**
o-Xylene	µg/L	-	**41.7**	**40.7**	**15.7**	**38**	**13.8**	**12.5**	**40.2**	**8.35**	**11**
Toluene	µg/L	1000	**5.63**	**5.52**	**1.3 J**	**4.37**	**2 J**	**1.1 J**	**9.3 J**	**0.74 J**	**1 J**
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 20	< 2	< 2
Xylenes, Total	µg/L	10000	**67.5**	**66.2**	**21.9**	**54.4**	**17**	**15.9**	**72.1**	**9.92**	**13**

Notes:
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Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-04 Analyte	Unit	Cleanup Objective (CUO)	Result 3/3/2015	Result 5/13/2015	Result 8/19/2015	Result 11/3/2015	Result 2/17/2016	Result 5/25/2016	Result 8/17/2016	Result 11/15/2016	Result 2/15/2017	Result 5/16/2017
Acenaphthene	mg/L	0.42	0.0011 J	0.002 J	0.0037 J	0.0027 J	0.0036 J	0.003 J	0.0043 J	0.0062 J	0.0054 J	0.0045 J
Acenaphthylene	mg/L	-	0.0049 J	0.0044 J	0.0073 J	0.0052 J	0.0061 J	0.0069 J	0.0095 J	0.0074 J	0.0053 J	0.0037 J
Anthracene	mg/L	2.1	0.0029 J	0.0011 J	0.0015 J	0.0015 J	0.0012 J	0.00081 J	0.00093 J	0.0012 J	0.0016 J	0.001 J
Benzo(a)anthracene	mg/L	0.00013	0.00022	0.00014	0.00024	0.00013	0.00016	0.0001 J	0.00012	0.00016	0.00017	0.000121
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	0.00012	0.00012	0.00025	< 0.0001	0.0001	0.00011	< 0.0001	0.00014	0.00012	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	< 0.002
Chrysene	mg/L	0.0015	0.00031	0.0004	0.00084	0.00016	0.0003	0.00022	0.0002	0.00048	0.00028	0.000207
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	0.0018 J	0.00242	0.00402	0.0018 J	0.00261	0.0018 J	0.00228	0.00357	0.00237	0.0018 J
Fluorene	mg/L	0.28	0.02	0.0239	0.0461	0.035	0.0396	0.0384	0.0467	0.0559	0.0447	0.0294
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	0.00325	0.012	0.0111	0.00118	0.00569	---	---	---	---	---
o-Cresol	mg/L	0.35	0.0244	0.0241	0.0149	0.00553	0.013	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	0.0157	0.023	0.0338	0.0271	0.0197	0.0236	0.0283	0.0442	0.0313	0.0198
Pyrene	mg/L	0.21	0.00085 J	0.0012 J	0.0018 J	0.00083 J	0.00098 J	0.00071 J	0.00097 J	0.0016 J	0.0012 J	0.00084 J
Benzene	µg/L	5.0	1270	1380	400	947	526	1110	547	519	1680	1750
Bromoform	µg/L	1.0	< 20	< 20	< 20	< 20	< 20	< 40	< 40	< 2	< 100	< 100
Ethylbenzene	µg/L	700	137	148	122	156	154	191	139	169	200	260
m,p-Xylenes	µg/L	-	75.7	101	68.9	79.3	81	144	108	124	200 J	170 J
Methylene chloride	µg/L	5.0	< 2	2.6	2.2	< 2	3.2	33.8 B	7.2	0.2	< 10	< 10
Naphthalene	µg/L	140	1350	1500	3140	2050	2480	2330	3390	2240	1960	2120
o-Xylene	µg/L	-	125	130	122	131	132	139	122	147	169	183
Toluene	µg/L	1000	138	191	131	219	165	518	301	249	553	316
trans-1,2-Dichloroethene	µg/L	100	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 5	< 250	< 250
Xylenes, Total	µg/L	10000	200	231	191	210	213	282	230	271	368	352

Notes:
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Ameren Taylorville, IL MGP Site

GW-04 Analyte	Unit	Cleanup Objective (CUO)	Result 8/17/2017	Result 11/22/2017	Result 2/15/2018	Result 5/8/2018	Result 8/14/2018	Result 11/7/2018	Result (DUP) 11/7/2018	Result 2/20/2019	Result 5/8/2019	Result 8/14/2019
Acenaphthene	mg/L	0.42	**0.00789**	**0.00727**	**0.00737**	**0.0077**	**0.0139**	**0.0109**	**0.0108**	**0.0252**	**0.0165**	**0.0161**
Acenaphthylene	mg/L	-	**0.00633**	**0.00302**	**0.00178**	**0.00337**	**0.00913**	**0.0047**	**0.00445**	**0.0073 J**	**0.00597**	**0.0049**
Anthracene	mg/L	2.1	**0.0013 J**	**0.000558**	**0.000714**	**0.000411**	**0.00108**	< 0.0025	**0.0018 J**	**0.00106**	**0.000475**	**0.000814**
Benzo(a)anthracene	mg/L	0.00013	**0.000164**	**0.00017**	**0.00022**	**0.000117**	**0.00018**	< 0.0025	< 0.0025	**0.000147**	**0.000108**	**0.000185**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0025	< 0.0025	< 0.0001	< 0.0001	**0.000085 J**
Benzo(b)fluoranthene	mg/L	0.00018	**0.00011**	**0.000168**	0.000215	**0.000106**	**0.000162**	< 0.0025	< 0.0025	**0.000164**	**0.000087 J**	**0.000191**
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.0001	**0.000071 J**	< 0.0001	**0.000052 J**	< 0.0025	< 0.0025	**0.00005 J**	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	**0.00006 J**	< 0.0001	< 0.0001	< 0.0025	< 0.0025	**0.000052 J**	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0017 J**	< 0.006	< 0.002	< 0.002	< 0.002	< 0.05	< 0.05	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	**0.000288**	**0.000515**	**0.000732**	**0.000384**	**0.000554**	< 0.0025	< 0.0025	**0.000419**	**0.000317**	**0.000353**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0025	< 0.0025	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	---	---	---	---	---	---	---	---	< 0.01
Fluoranthene	mg/L	0.28	**0.00404**	**0.00385**	**0.00305**	**0.00337**	**0.00392**	< 0.005	< 0.005	**0.00308**	**0.00283**	**0.00287**
Fluorene	mg/L	0.28	**0.0513**	**0.039**	**0.0466**	**0.0374**	**0.0644**	**0.0505**	**0.0507**	**0.0837**	**0.0519**	**0.0495**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	**0.000106**	**0.00008 J**	< 0.0001	**0.000084 J**	< 0.0025	< 0.0025	< 0.0001	< 0.0001	**0.000178**
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	< 1
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	< 1
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	**1.14**	**1.59**
Phenanthrene	mg/L	-	**0.0453**	**0.0398**	**0.0247**	**0.0355**	**0.0513**	**0.0447**	**0.045**	**0.0734**	**0.0406**	**0.0406**
Pyrene	mg/L	0.21	**0.0021 J**	**0.00181**	**0.00156**	**0.00168**	**0.00187**	< 0.005	< 0.005	**0.0014 B**	**0.00128**	**0.0014**
Benzene	µg/L	5.0	**599**	**565**	**355**	**979**	**630**	**958**	**871**	**1300**	**753**	**590**
Bromoform	µg/L	1.0	< 100	< 100	< 20	< 20	< 40	< 200	< 200	< 2	< 2	< 40
Ethylbenzene	µg/L	700	**145**	**128**	**70.9**	**103**	**132**	**182**	**177**	**223**	**203**	**187**
m,p-Xylenes	µg/L	-	**140 J**	**102**	**64.8**	**110**	**146**	**173**	**155**	**276**	**247**	**149**
Methylene chloride	µg/L	5.0	< 10	**50.5**	< 5	< 20	< 40	< 200	< 200	< 2	< 2	< 40
Naphthalene	µg/L	140	**2220**	**1790**	**1440**	**2670 E**	**3970**	**3680**	**3690**	**4580**	**4190**	**3740**
o-Xylene	µg/L	-	**131**	**104**	**59.7**	**94.5**	**132**	**151**	**139**	**185**	**167**	**121**
Toluene	µg/L	1000	**284**	**264**	**140**	**316**	**267**	**297**	**281**	**728**	**537**	**308**
trans-1,2-Dichloroethene	µg/L	100	< 250	< 100	< 20	< 20	< 40	< 200	< 200	< 2	< 2	< 40
Xylenes, Total	µg/L	10000	**276**	**206**	**124**	**205**	**278**	**324**	**294**	**461**	**414**	**270**

Notes:
B = Analyte detected in associated method blank
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C = RL shown is a client requested quantitation limit
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-04 Analyte	Unit	Cleanup Objective (CUO)	Result (DUP) 8/14/2019	Result 11/13/2019	Result (DUP) 11/13/2019	Result 2/18/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/24/2021	Result 5/13/2021	Result (DUP) 5/13/2021
Acenaphthene	mg/L	0.42	0.0148	0.0251	0.0226	0.0133	0.0212	0.0284	0.0148	0.0175	0.026	0.026
Acenaphthylene	mg/L	-	0.00482	0.00739	0.0056 J	0.00336	< 0.000075	0.00407	0.00144	0.00147	0.00229	0.00303
Anthracene	mg/L	2.1	0.000711	0.00173	0.00146	0.000775	< 0.000226	0.000868	0.000536	0.000792	0.000654	0.00109
Benzo(a)anthracene	mg/L	0.00013	0.000131	0.000278	0.000302	0.000102	0.000086	0.000113	0.000142	0.000133	0.000186	0.000261
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.01	0.000061 J	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	0.000132	< 0.01	0.000315	0.0001	0.000059 J	< 0.0001	0.000139	0.000120	0.000229	0.000376
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.02	0.00017 J	< 0.0002	< 0.00015	< 0.0002	0.00005 J	< 0.00020	< 0.00020	0.00019 J
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.01	0.000093 J	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	0.000077 J	0.000124
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.0015 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	0.000322	0.000795	0.000912	0.000284	0.000235	0.000313	0.000401	0.000334	0.000493	0.000747
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.01	0.000062 J	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	0.002 J	< 0.01	< 0.00752	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	0.00278	0.00616	< 0.02	0.00349	0.00315	0.00366	0.00265	0.0029	0.00334	0.0045
Fluorene	mg/L	0.28	0.0434	0.0857	0.0788	0.0464	0.0694	0.0777	0.0399	0.0607	0.0733	0.0735
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	0.000102	< 0.01	0.000166	0.000092 J	< 0.000075	0.000073 J	< 0.0001	< 0.0002	< 0.0002	0.00018 J
m,p-Cresol	mg/L	-	< 1	< 0.01	< 1	< 1	0.0017 J	0.0081 J	0.00075 J	0.0086 J	0.0164	0.022
o-Cresol	mg/L	0.35	< 1	< 0.01	< 1	< 1	< 0.752	0.0161	< 0.0100	0.0123	0.0209	0.0244
Naphthalene	mg/L	0.14	3.23	2.53	2.99	1.37	1.69	1.89	1.50	1.53	1.82	1.86
Phenanthrene	mg/L	-	< 0.04	0.079	0.0674	0.0422	0.0537	0.0681	0.0383	0.0576	0.0674	0.0647
Pyrene	mg/L	0.21	0.0013	0.00261	0.00308	0.00161	0.00141	0.00176	0.00143	0.00149	0.00143	0.00219
Benzene	µg/L	5.0	618	495	506	535 S	739	450	399	632	341	775
Bromoform	µg/L	1.0	< 40	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 100	< 20
Ethylbenzene	µg/L	700	195	190	187	173	246	200	180	155	104	216
m,p-Xylenes	µg/L	-	156	156	157	159	204	192	168	165	80.5	158
Methylene chloride	µg/L	5.0	< 40	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 100	< 20
Naphthalene	µg/L	140	4050	3710	3790	3570	5560	4700 E	4130	2790	1510	3150
o-Xylene	µg/L	-	125	124	130	115	154	135	192	140	67	137
Toluene	µg/L	1000	324	244	243	312 S	579	407	125	208	184	409
trans-1,2-Dichloroethene	µg/L	100	< 40	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 100	< 20
Xylenes, Total	µg/L	10000	281	280	287	274	358	327	359	304	148	295

Notes:
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-04 Analyte	Unit	Cleanup Objective (CUO)	Result 8/12/2021	Result - DUP 8/12/2021	Result 11/9/2021	Result 2/17/2022	Result - DUP 2/17/2022	Result 5/12/2022	Result - DUP 5/12/2022	Result 9/8/2022
Acenaphthene	mg/L	0.42	**0.022**	**0.0239**	**0.0274**	**0.0316**	**0.0348**	**0.0339**	**0.0437**	**0.0404**
Acenaphthylene	mg/L	-	**0.00618**	**0.00584**	**0.00531**	**0.00244**	**0.0029**	**0.00893**	**0.0101**	**0.00446**
Anthracene	mg/L	2.1	**0.000745**	**0.000691**	**0.00093**	**0.0012**	**0.000864**	< 0.0003	< 0.0003	**0.000749**
Benzo(a)anthracene	mg/L	0.00013	**0.000158**	**0.000173**	**0.000214**	**0.000104**	**0.000085 J**	< 0.0001	0.000115	**0.00009 J**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.00012 J**	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000125**	**0.000192**	**0.000226**	< 0.0001	**0.000084 J**	< 0.0001	**0.000128**	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	**0.00007 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002 B	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	**0.000491**	**0.000501**	**0.000754**	**0.0002**	**0.000196**	**0.00013**	**0.00022**	**0.000241**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00379**	**0.00404**	**0.00397**	**0.00375**	**0.00357**	**0.00289**	**0.00383**	**0.00414**
Fluorene	mg/L	0.28	**0.0689**	**0.0776**	**0.07**	**0.0906**	**0.0765**	**0.0847**	**0.104**	**0.0853**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	**0.007 J**	**0.0083 J**	< 0.01	**0.0023 J**	**0.0018 J**	**0.0046 J**	**0.0068 J**	< 0.01
o-Cresol	mg/L	0.35	**0.0095 J**	**0.0074 J**	< 0.01	**0.0059 J**	**0.0035 J**	**0.058 J**	**0.008 J**	< 0.01
Naphthalene	mg/L	0.14	**1.62**	**1.75**	**2.43**	**1.82**	**1.82 J**	**2.77**	**3.54**	**2.8**
Phenanthrene	mg/L	-	**0.0562**	**0.0609**	**0.0542**	**0.0801**	**0.075**	**0.0715**	**0.0888**	**0.0799**
Pyrene	mg/L	0.21	**0.00184**	**0.00184**	**0.0019**	**0.00177**	**0.00174**	**0.00131**	**0.00184**	**0.00176**
Benzene	µg/L	5.0	**652**	**658**	**798**	**1150**	**1180**	**1100**	**1070**	**670**
Bromoform	µg/L	1.0	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20
Ethylbenzene	µg/L	700	**235**	**243**	**331**	**476**	**500**	**312**	**330**	**249**
m,p-Xylenes	µg/L	-	**135**	**146**	**166**	**108**	**104**	**225**	**229**	**112**
Methylene chloride	µg/L	5.0	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20
Naphthalene	µg/L	140	**3020**	**3020**	**3520**	**2530**	**2620**	**3550**	**3350**	**3540**
o-Xylene	µg/L	-	**108**	**118**	**178**	**241**	**244**	**176**	**184**	**157**
Toluene	µg/L	1000	**256**	**255**	**216**	**90.5**	**94.6**	**338**	**357**	**104**
trans-1,2-Dichloroethene	µg/L	100	< 100	< 2	< 200	< 2	< 2	< 100	< 100	< 20
Xylenes, Total	µg/L	10000	**243**	**265**	**344**	**350**	**347**	**400**	**412**	**269**

Notes:
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The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-05 Analyte	Unit	Cleanup Objective (CUO)	Result 3/4/2015	Result (DUP) 3/4/2015	Result 5/13/2015	Result (DUP) 5/13/2015	Result 8/19/2015	Result 11/4/2015	Result (DUP) 11/4/2015	Result 2/18/2016	Result 5/26/2016	Result 8/18/2016
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066 S
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 S
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 S
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001 S
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0195**	**0.00664**	**0.0163**	**0.0089**	**0.00718**	**0.00763**	**0.00558**	**0.00351**	---	---
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033 S
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021 S
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001 B	< 0.0001 B	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	**0.0001** J	< 0.0064	< 0.0064	< 0.0064	< 0.0064 S
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027 S
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	**6.55**	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
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S = Spike Recovery outside recovery limits
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-05 Analyte	Unit	Cleanup Objective (CUO)	Result (DUP) 8/18/2016	Result 11/16/2016	Result (DUP) 11/16/2016	Result 2/15/2017	Result 5/17/2017	Result (DUP) 5/17/2017	Result 8/17/2017	Result 11/21/2017	Result 2/14/2018	Result 5/9/2018
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.0001
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	---	---	---	---	**0.00861**	**0.011**	**0.013**	**0.00907**	**0.0218**	**0.0122**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	---	---	---
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	**0.0001 J**	< 0.0001 B	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	**0.00013** B	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0001 B	< 0.0001	< 0.0001
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.0001	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 1	< 1	< 1

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-05 Analyte	Unit	Cleanup Objective (CUO)	Result 8/13/2018	Result 11/7/2018	Result 2/20/2019	Result 5/7/2019	Result 8/14/2019	Result 11/14/2019	Result 2/20/2020	Result 5/12/2020	Result 8/13/2020	Result (DUP) 8/13/2020
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000056 J**	< 0.000078	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	**0.00008 J**	< 0.0001	**0.000051 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000233	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000094 J**	< 0.0001	**0.000197**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	**0.000079 J**	< 0.0001	**0.000097 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	**0.000066 J**	< 0.0001	**0.000206**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	**0.000045 J**	< 0.0001	**0.000084 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000155	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00256**	**0.00287**	**0.0049**	**0.0103**	**0.00671**	**0.0089**	< 0.002	**0.0101**	**0.00227 C**	**0.00286 C**
Chrysene	mg/L	0.0015	**0.000062 J**	< 0.0001	**0.000268**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00775	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	**0.000204**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000233	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	**0.000141**	< 0.0001	< 0.0001	< 0.0001	0.000158	< 0.000155	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	**0.000088 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00775	< 0.01	< 0.01
o-Cresol	mg/L	0.35	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00775	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	< 0.0002	**0.00021**	**0.0004**	**0.00366**	**0.00103**	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000465	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0001	< 0.0002	**0.00017 BJ**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000155	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	**0.41 J**	< 0.5	< 0.5	**0.22 J**	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	**0.31 J**	< 1	< 1	**0.2 J**	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	**0.35 J**	< 1	< 1	**0.19 J**	**0.18 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.81 J**	< 2	**35.9**	< 2	**0.49 J**	< 2	**46.6**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	**0.23 J**	< 1	< 1	**0.13 J**	**0.11 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	**0.4 J**	< 2	< 2	**0.17 J**	**0.17 J**	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 1	< 1	**0.58 J**	< 2	< 2	**0.32 J**	**0.29 J**	< 2	< 2	< 2

Notes:
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-05 Analyte	Unit	Cleanup Objective (CUO)	Result 11/11/2020	Result 2/24/2021	Result 5/11/2021	Result 8/12/2021	Result 11/9/2021	Result 2/15/2022	Result 5/10/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000075 J**	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00845 S**	**0.0087**	**0.00374**	**0.00627**	**0.00213 B**	< 0.0002	< 0.0002	**0.0017 J**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01 R	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0100 SR	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	**0.00159 S**	**0.00111**	< 0.0004	**0.00194**	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	**0.000838**	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	**0.000221**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	**0.18 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	**0.25 J**	**0.22 J**	< 1	< 1	**1.21**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	**0.29 J**	**0.2 J**	< 1	< 1	**0.99 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2 H	< 2	**1 J**	< 1
o-Xylene	µg/L	-	**0.17 JS**	**0.14 J**	< 1	< 1	**0.74 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	**0.12 J**	< 2	< 2	**0.3 J**	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	**0.46 J**	**0.34 J**	< 2	< 2	**1.7 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-07 Analyte	Unit	Cleanup Objective (CUO)	Result 3/3/2015	Result 5/11/2015	Result 8/18/2015	Result (DUP) 8/18/2015	Result 11/2/2015	Result 2/16/2016	Result (DUP) 2/16/2016	Result 5/25/2016	Result 8/17/2016
Acenaphthene	mg/L	0.42	< 0.01	< 0.00263	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	**0.00013 J**	< 0.00263	**0.00011 J**	**0.00012 J**	< 0.01	**0.00011 J**	**0.0001 J**	< 0.01	< 0.01
Anthracene	mg/L	2.1	**0.00097 J**	**0.00071 J**	**0.00084 J**	**0.00089 J**	**0.00068 J**	**0.00073 J**	**0.00069 J**	**0.00054 J**	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	**0.0002**	**0.00026**	**0.00019**	**0.0002**	**0.00018**	**0.00018**	**0.00018**	**0.00015**	**0.00007 J**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00026	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00224**	**0.0102**	**0.00429**	**0.00232**	0.00315	**0.00209**	**0.0013 J**	---	---
Chrysene	mg/L	0.0015	**0.0001**	< 0.00026	< 0.0001	**0.0001**	< 0.0001	**0.00009 J**	< 0.0001	**0.00008 J**	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.00263	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	**0.0011 J**	**0.00087**	**0.00098 J**	**0.001 J**	**0.00083 J**	**0.00086 J**	**0.0008 J**	**0.00068 J**	< 0.0021
Fluorene	mg/L	0.28	**0.0003 J**	**0.00029**	**0.0003 J**	**0.00031 J**	**0.00021 J**	**0.00025 J**	**0.00025 J**	**0.00019 J**	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	**0.0001**	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	**0.00014 J**	< 0.00263	< 0.0064	< 0.0064	**0.00013 J**	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	**0.0015 J**	**0.0012 J**	**0.0014 J**	**0.0014 J**	**0.0012 J**	**0.0012 J**	**0.0011 J**	**0.001 J**	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	**0.24**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	**1.47**	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-07 Analyte	Unit	Cleanup Objective (CUO)	Result 11/15/2016	Result 2/15/2017	Result 5/16/2017	Result 8/17/2017	Result 11/21/2017	Result 2/14/2018	Result 5/8/2018	Result 8/13/2018	Result 11/6/2018	Result 2/18/2019
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	**0.00013 J**	< 0.0001	**0.000144**	< 0.0001	**0.000137**	**0.000149**	**0.000111**
Acenaphthylene	mg/L	-	< 0.01	**0.00011 J**	**0.00019 J**	**0.00019 J**	**0.000229**	**0.00034**	**0.000244**	**0.000282**	**0.00027**	**0.000266**
Anthracene	mg/L	2.1	**0.00063 J**	**0.00078 J**	**0.00091 J**	**0.0012 J**	**0.00179**	**0.00308**	**0.00198**	**0.00215**	**0.00164**	**0.00218**
Benzo(a)anthracene	mg/L	0.00013	**0.00015**	**0.00019**	**0.0002**	**0.000188**	**0.000192**	**0.000301**	**0.000203**	**0.000195**	**0.000224**	**0.0002**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	---	---	**0.015**	**0.0149**	< 0.006	**0.00692**	**0.00796**	**0.0131**	**0.00353**	**0.00667**
Chrysene	mg/L	0.0015	**0.00008 J**	**0.0001**	**0.000148**	**0.000159**	**0.000144**	**0.000222**	**0.000133**	**0.000153**	**0.000135**	**0.000147**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	---	---	---	**0.00258**	---	---
Fluoranthene	mg/L	0.28	**0.00075 J**	**0.001 J**	**0.0013 J**	**0.0016 J**	**0.00199**	0.0032	**0.00228**	**0.00039**	**0.00204**	**0.0022**
Fluorene	mg/L	0.28	**0.0002 J**	**0.0002 J**	**0.00036 J**	**0.00033 J**	**0.000376**	**0.000595**	**0.000427**	< 0.0001	**0.000353**	**0.000397**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	**0.000233**	**0.000096 J**	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	**0.0011 J**	**0.0014 J**	**0.0018 J**	**0.0021 J**	**0.00259**	**0.00466**	**0.00336**	**0.00371**	**0.00281**	**0.00297 B**
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.12 J**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 2	< 2	< 2	< 2	< 2	**6.88**
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.12 J**
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-07 Analyte	Unit	Cleanup Objective (CUO)	Result 5/8/2019	Result 8/13/2019	Result (Dup) 8/13/2019	Result 11/13/2019	Result 2/18/2020	Result 5/12/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021
Acenaphthene	mg/L	0.42	**0.000136**	**0.000078 J**	**0.000086 J**	**0.000099 J**	**0.000077 J**	**0.000063 J**	**0.000071 J**	**0.000076 J**	**0.000076 J**
Acenaphthylene	mg/L	-	**0.000253**	**0.000142**	**0.000135**	**0.000186**	**0.000116**	**0.000098**	**0.000105**	**0.000142**	**0.000168**
Anthracene	mg/L	2.1	**0.00186**	**0.00106**	**0.00101**	**0.000964 R**	**0.000877**	**0.00069**	**0.000772**	**0.0012**	**0.00144**
Benzo(a)anthracene	mg/L	0.00013	**0.000225**	**0.000213**	**0.000189**	**0.000221**	**0.000164**	**0.000141**	**0.000168**	**0.000155**	**0.000119**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0005 R	**0.000057 J**	< 0.000072	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.001 R	< 0.0002	< 0.000144	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0019 J**	**0.00364 S**	**0.0048**	< 0.005 S	**0.011**	**0.0022 C**	**0.00202 C**	**0.00655**	**0.00975**
Chrysene	mg/L	0.0015	**0.000145**	**0.000121**	**0.000145**	**0.000184**	**0.000116**	**0.000101**	**0.00014**	**0.000112**	**0.000082** J
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00719	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00214**	**0.00142**	**0.00137**	**0.00126**	**0.00113**	**0.000996**	**0.000951**	**0.00119**	**0.00131**
Fluorene	mg/L	0.28	**0.000457**	**0.000249**	**0.000255**	**0.000284**	**0.000235**	**0.000165**	**0.000205**	**0.000278**	**0.000295**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0005 SR	< 0.0001	< 0.000072	**0.000076 J**	< 0.0001	< 0.0002
m,p-Cresol	mg/L	-	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00719	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00719	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.00019 J**	< 0.000288	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000432	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00312**	**0.00199**	**0.00194**	**0.00012 JSR**	**0.0016**	**0.00152**	**0.0014**	**0.00185**	**0.00197**
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.51**	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2 B	< 2	< 2	< 2	**6.07**	< 2	**0.64 J**	**1.4 J**	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	**0.1 J**	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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mg/L = milligrams per liter
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H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-07 Analyte	Unit	Cleanup Objective (CUO)	Result 5/12/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022	Result 5/11/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	**0.000118**	**0.000079 J**	**0.000136**	**0.000183**	**0.000145**	**0.000118**
Acenaphthylene	mg/L	-	**0.000117**	**0.000137**	**0.000186**	**0.000251**	**0.000149**	**0.00017**
Anthracene	mg/L	2.1	**0.00119**	**0.00124**	**0.00146**	**0.00144**	**0.00153**	**0.00162**
Benzo(a)anthracene	mg/L	0.00013	**0.000161**	**0.000186**	**0.000235**	**0.000185**	**0.000182**	**0.000212**
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00732**	**0.00233**	**0.00403 S**	**0.00290**	**0.00471**	**0.0015 J**
Chrysene	mg/L	0.0015	**0.000102**	**0.000122**	**0.00017**	**0.000177**	**0.000163**	**0.000164**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.00136**	**0.00146**	**0.00164**	**0.00147**	**0.00169**	**0.00154**
Fluorene	mg/L	0.28	**0.000343**	**0.000305**	**0.00039**	**0.000516**	**0.000368**	**0.000331**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	**0.01**	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	**0.00329**	< 0.0004	< 0.0004	**0.00269**	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00227**	**0.00233**	**0.0026**	**0.0025**	**0.0030**	**0.0028**
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	**0.32 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	**0.54 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**1.4 J**	< 2	< 2 H	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	**0.21 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	**0.75 J**	< 2	< 2	< 2

Notes:
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All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter
H=Laboratory hold times exceeded. GW-05 and GW-07 reanalyzed for Napthalene at ERM request after laboratory instrument carryover suspected from GW-04R sample.

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-9S Analyte	Unit	Cleanup Objective (CUO)	Result 5/14/2015	Result 5/24/2016	Result 5/17/2017	Result 5/9/2018	Result 5/6/2019	Result 5/12/2020	Result 5/12/2021	Result 5/10/2022
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.000233	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0002	< 0.000155	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	---	< 0.002	< 0.002	< 0.002	< 0.00155 C	< 0.002	**0.0016 J**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	---	---	< 0.00775	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.000233	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.000155	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.0001	---	---	---	---	< 0.00775	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0001	---	---	---	---	< 0.00775	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	< 0.0002	< 0.00031	**0.00273**	< 0.0004
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 2	< 0.0004	< 0.0004	< 0.000465	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 2	< 0.0001	< 0.0002	< 0.000155	< 0.0002	< 0.0002 B
Benzene	µg/L	5.0	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	**0.21 J**	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 0.2	< 1	< 1	< 1	**0.33 J**	**0.11 J**
m,p-Xylenes	µg/L	-	< 4	< 4	< 0.6	< 1	< 1	< 1	**0.27 J**	< 1
Methylene chloride	µg/L	5.0	< 0.2	**0.85 B**	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 2	< 2 B	< 2	< 2	**37.8**	**1.4 J**
o-Xylene	µg/L	-	< 2	< 2	< 5	< 1	< 1	< 1	**0.2 J**	**0.1 J**
Toluene	µg/L	1000	< 2	< 2	< 4	< 2	< 2	< 2	**0.32 J**	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 1 B	< 2	< 2	**0.47 J**	< 2

Notes:
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C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-9D Analyte	Unit	Cleanup Objective (CUO)	Result 5/14/2015	Result 5/24/2016	Result 5/17/2017	Result 5/9/2018	Result 5/6/2019	Result 5/12/2020	Result 5/12/2021	Result (DUP) 5/12/2021	Result 5/10/2022
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.000216	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000072	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0002	< 0.000144	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	---	**0.00291**	< 0.002	< 0.002	< 0.00144 C	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000072	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	---	---	< 0.00719	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.000216	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.000144	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000072	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.0001	---	---	---	---	< 0.00719	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0001	---	---	---	---	< 0.00719	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	< 0.0002	< 0.000288	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0004	< 0.0004	< 0.000432	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0001	< 0.0002	< 0.000144	< 0.0002	< 0.0002	< 0.0002 B
Benzene	µg/L	5.0	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	**0.21 B**	< 0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 2 B	< 2	< 2	**5.2**	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-11 Analyte	Unit	Cleanup Objective (CUO)	Result 5/13/2015	Result 5/26/2016	Result 5/17/2017	Well Destroyed
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	---	< 0.002	
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	
m,p-Cresol	mg/L	-	< 0.0001	---	---	
o-Cresol	mg/L	0.35	< 0.0001	---	---	
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	
Benzene	µg/L	5.0	< 2	< 2	< 2	
Bromoform	µg/L	1.0	< 2	< 2	< 2	
Ethylbenzene	µg/L	700	< 2	< 2	< 2	
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	
Methylene chloride	µg/L	5.0	< 0.2	< 0.2 B	< 0.2	
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	
o-Xylene	µg/L	-	< 2	< 2	< 2	
Toluene	µg/L	1000	< 2	< 2	< 2	
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-12 Analyte	Unit	Cleanup Objective (CUO)	Result 5/13/2015	Result 5/26/2016	Result 5/17/2017	Result 5/10/2018	Result 5/6/2019	Result 5/12/2020	Result 5/12/2021	Result 5/11/2022
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.000233	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000055 J**	< 0.000078	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000056 J**	< 0.000078	**0.000106**	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	**0.000043 J**	< 0.0002	< 0.000155	**0.000203**	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	**0.000056 J**	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	---	< 0.002	< 0.002	< 0.002	< 0.00155 C	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000044 J**	< 0.000078	**0.000056 J**	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	---	---	< 0.00775	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.000233	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.000155	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.0001	---	---	---	---	< 0.00775	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0001	---	---	---	---	< 0.00775	< 0.01	< 0.0004
Naphthalene	mg/L	0.14	---	---	---	---	< 0.0002	< 0.00031	< 0.0004	< 0.01
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0004	< 0.0004	< 0.000465	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0001	< 0.0002	< 0.000155	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2 B	< 0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	**0.25 J**	< 2	**0.18 J**	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 1 B	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-13D Analyte	Unit	Cleanup Objective (CUO)	Result 5/14/2015	Result (DUP) 5/14/2015	Result 5/26/2016	Result 5/18/2017	Result 5/9/2018	Result 5/6/2019	Result 5/13/2020	Result 5/13/2021	Result 5/11/2022
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000076	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000076	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.000229	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	**0.00011**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	**0.00007** J	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	**0.00024**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	**0.00035**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	**0.000102**	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	**0.00061** J	< 0.00076	< 0.0001	< 0.0002	< 0.000153	**0.00024**	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	**0.00029**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	**0.000167**	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	---	< 0.002	< 0.002	< 0.002	< 0.00153 C	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000076	**0.000104**	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	**0.0006**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	**0.000244**	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	**0.0033**	---	---	< 0.00763	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.000229	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.000153	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	**0.00059**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	**0.000235**	< 0.0002
m,p-Cresol	mg/L	-	< 0.0001	< 0.0001	---	---	---	---	< 0.00763	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	---	---	---	---	< 0.00763	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	< 0.0002	< 0.000305	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0004	< 0.0004	< 0.000458	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0001	< 0.0002	< 0.000153	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	**0.25**	**0.22**	< 0.2 B	< 0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 1 B	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-13S		Cleanup	Result	Result	Result	Result	Result	Result	Result	Result	Result - DUP
Analyte	**Unit**	**Objective (CUO)**	**5/14/2015**	**5/26/2016**	**5/18/2017**	**5/9/2018**	**5/6/2019**	**5/13/2020**	**5/12/2021**	**5/11/2022**	**5/11/2022**
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.000227	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	**0.00012**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	**0.00024**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	**0.00036**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	**0.00056** J	< 0.00076	< 0.0001	< 0.0002	< 0.000152	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	**0.0003**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	---	< 0.002	< 0.002	< 0.002	< 0.00152 C	< 0.002	**0.0015** J	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	**0.00009** J	< 0.0001	< 0.0001	< 0.0001	< 0.000076	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	**0.00052**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	---	---	< 0.00758	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.000227	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.000152	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	**0.00053**	< 0.0001	< 0.0001	< 0.0001	< 0.000076	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.0001	---	---	---	---	< 0.00758	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0001	---	---	---	---	< 0.00758	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	< 0.0002	< 0.000303	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0004	< 0.0004	< 0.000455	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0001	< 0.0002	< 0.000152	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2 B	< 0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 1 B	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-14 Analyte	Unit	Cleanup Objective (CUO)	Result 3/3/2015	Result (DUP) 3/3/2015	Result 5/11/2015	Result 8/18/2015	Result 11/3/2015	Result 2/16/2016	Result 5/24/2016	Result 8/17/2016	Result 11/15/2016	Result 2/15/2017	Result 5/16/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.00227	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.00227	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.00227	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.00023	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.00023	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.00023	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00023	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.00023	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0018** J	**0.00214**	**0.00952**	**0.00738**	**0.00818**	**0.0154**	---	---	---	---	**0.0316**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.00023	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.00023	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.00227	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.00023	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.00023	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.00023	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001	**0.00014**	< 0.00023	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.00023	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.00227	< 0.0064	**0.0001** J	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.00227	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2	**0.22**	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	**0.26** J	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-14 Analyte	Unit	Cleanup Objective (CUO)	Result 8/16/2017	Result 11/21/2017	Result 2/15/2018	Result 5/7/2018	Result 8/13/2018	Result 11/7/2018	Result 2/19/2019	Result 5/8/2019	Result 8/12/2019	Result 11/12/2019
Acenaphthene	mg/L	0.42	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00962**	< 0.006	**0.0094**	**0.00367**	**0.0173**	**0.0126**	< 0.002	< 0.002	**0.00622**	**0.00583**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	**0.000031 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	---	---	---	---	---	---	---	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	**0.000095**	< 0.0001 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	< 0.01	< 0.01
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	< 0.0002	< 0.0002	< 0.0002
Phenanthrene	mg/L	-	< 0.0064	**0.000182 B**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	< 0.0001 B	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.5	**0.2 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.1	< 2	**1.4 J**	< 2	< 2	**2.89**	< 2 B	< 2	< 2
o-Xylene	µg/L	-	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
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E = Value above quantitation range
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-14 Analyte	Unit	Cleanup Objective (CUO)	Result 2/18/2020	Result 5/12/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000217	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000145	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0108**	**0.00417 C**	**0.0336 C**	**0.00766**	**0.00935**	**0.00934**	**0.0139**	**0.0200 B**	**0.0016 J**
Chrysene	mg/L	0.0015	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00725	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000217	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000145	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000072	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00725	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00725	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.00029	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000435	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000145	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.38 J**	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.72 J**	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**2.88**	< 2	**0.38 J**	< 2 B	**1.6 J**	**0.49 J**	< 2	**2.53**	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.36 J**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.19 J**	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**1.1 J**	< 2

Notes:
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mg/L = milligrams per liter
µg/L = micrograms per liter

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Ameren Taylorville, IL MGP Site

GW-14 Analyte	Unit	Cleanup Objective (CUO)	Result 5/11/2022		Result 9/7/2022	
Acenaphthene	mg/L	0.42	< 0.0001		< 0.0001	
Acenaphthylene	mg/L	-	< 0.0001		< 0.0001	
Anthracene	mg/L	2.1	< 0.0003		< 0.0003	
Benzo(a)anthracene	mg/L	0.00013	< 0.0001		< 0.0001	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002		< 0.0002	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001		< 0.0001	
Benzo(g,h,i)perylene	mg/L	-	< 0.0002		< 0.0002	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001		< 0.0001	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0018**	**J**	**0.00578**	**S**
Chrysene	mg/L	0.0015	< 0.0001		< 0.0001	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002		< 0.0002	
Di-n-butyl phthalate	mg/L	0.7	< 0.01		< 0.01	
Fluoranthene	mg/L	0.28	< 0.0003		< 0.0003	
Fluorene	mg/L	0.28	< 0.0002		< 0.0002	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002		< 0.0002	
m,p-Cresol	mg/L	-	< 0.01		< 0.01	
o-Cresol	mg/L	0.35	< 0.01		< 0.01	
Naphthalene	mg/L	0.14	< 0.0004		< 0.0004	
Phenanthrene	mg/L	-	< 0.0006		< 0.0006	
Pyrene	mg/L	0.21	< 0.0002		< 0.0002	
Benzene	µg/L	5.0	< 0.5		< 0.5	
Bromoform	µg/L	1.0	< 2		< 2	
Ethylbenzene	µg/L	700	< 1		< 1	
m,p-Xylenes	µg/L	-	< 1		< 1	
Methylene chloride	µg/L	5.0	< 2		< 2	
Naphthalene	µg/L	140	< 2		< 2	
o-Xylene	µg/L	-	< 1		< 1	
Toluene	µg/L	1000	< 2		< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2	
Xylenes, Total	µg/L	10000	< 2		< 2	

Notes:
B = Analyte detected in associated method blank
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Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-15 Analyte	Unit	Cleanup Objective (CUO)	Result 3/3/2015	Result 5/13/2015	Result 8/19/2015	Result (DUP) 8/19/2015	Result 11/3/2015	Result 2/17/2016	Result 5/25/2016	Result (DUP) 5/25/2016
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01 S	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066 S	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076 S	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0012 J**	**0.00365 SR**	**0.00612**	**0.00583**	**0.00277**	**0.0025**	---	---
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033 S	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021 S	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	**0.00016**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064 S	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027 S	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	**0.38 J**	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	**0.22 B**	< 0.2 B
Naphthalene	µg/L	140	< 0.6	< 0.6	**2.6**	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	**0.38 J**	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-15 Analyte	Unit	Cleanup Objective (CUO)	Result 8/17/2016	Result 11/15/2016	Result 2/15/2017	Result 5/16/2017	Result 8/17/2017	Result 11/22/2017	Result 2/15/2018	Result 5/8/2018	Result (DUP) 5/8/2018
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	**0.000064 J**	**0.000053 J**
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	**0.000053 J**	**0.000076 J**	**0.000063 J**
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	**0.00006 J**	**0.00006 J**	**0.00006 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	---	---	---	**0.00335**	**0.00567**	< 0.006	**0.0111**	**0.00563**	**0.0109**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	---	---	---	---
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	**0.00012 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	**0.000095 J**	**0.0001**	**0.000072 J**	**0.00011**	**0.000101**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	**0.000119**	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	**0.0001 J**	< 0.0001	**0.000066 J**	< 0.0001	< 0.0001
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	**0.9**	< 2	< 2	**0.8 J**	< 2 B
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1 B

Notes:
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
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mg/L = milligrams per liter
µg/L = micrograms per liter

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Ameren Taylorville, IL MGP Site

GW-15 Analyte	Unit	Cleanup Objective (CUO)	Result 8/14/2018	Result 11/7/2018	Result 2/20/2019	Result 5/8/2019	Result 8/14/2019	Result 11/14/2019	Result 2/20/2020	Result 5/13/2020
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001 S	**0.000055 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Acenaphthylene	mg/L	-	< 0.0001	**0.000063 JS**	**0.000069 J**	< 0.0001	< 0.0001	< 0.0001	**0.000058 J**	< 0.000074
Anthracene	mg/L	2.1	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000222
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< **0.0001 S**	**0.000052 J**	< 0.0001	< 0.0001	< 0.0001	**0.000061 J**	< 0.000074
Benzo(a)pyrene	mg/L	0.0002	< 0.0001 S	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000078 J**	< 0.000074
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001 S	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000082 J**	< 0.000074
Benzo(g,h,i)perylene	mg/L	-	< 0.0001	< 0.0001 S	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000148
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00274 SR**	**0.0039**	**0.00327**	**0.014**	**0.00331**	**0.00802**	< 0.002	< 0.00148 C
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Di-n-butyl phthalate	mg/L	0.7	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00741
Fluoranthene	mg/L	0.28	**0.00015 J**	< 0.0002 S	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000222
Fluorene	mg/L	0.28	< 0.0001	< 0.0001 S	**0.0001 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000148
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001 R	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000085 J**	< 0.000074
m,p-Cresol	mg/L	-	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00741
o-Cresol	mg/L	0.35	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00741
Naphthalene	mg/L	0.14	---	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000296
Phenanthrene	mg/L	-	< 0.0004	< 0.0004 S	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000444
Pyrene	mg/L	0.21	**0.000143**	< 0.0002 S	**0.00011 BJ**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000148
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	**1.7 J**	< 2	< 2	**1.6 J**	**1.7 J**	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2

Notes:
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Ameren Taylorville, IL MGP Site

GW-15 Analyte	Unit	Cleanup Objective (CUO)	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/13/2021	Result 8/12/2021	Result 11/9/2021	Result 2/17/2022	Result - DUP 2/17/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	**0.000081 J**	< 0.0001	0.000063 J	< 0.0001	< 0.0001	< 0.0001	**0.000074 J**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	**0.000084 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	**0.000069 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000075 J**	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000074 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006 R	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	**0.16 J**	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	**0.43 J**	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2 B	**1.1 J**	< 2	< 2	**1.6 J**	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	**0.13 J**	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	**0.56 J**	< 2	< 2

Notes:
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mg/L = milligrams per liter
µg/L = micrograms per liter

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Ameren Taylorville, IL MGP Site

GW-15 Analyte	Unit	Cleanup Objective (CUO)	Result 5/11/2022	Result 9/9/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	**0.000077 J**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	**0.00366**
Phenanthrene	mg/L	-	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2
o-Xylene	µg/L	-	< 1	**0.11 J**
Toluene	µg/L	1000	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-16S Analyte	Unit	Cleanup Objective (CUO)	Result 3/2/2015	Result 5/12/2015	Result 8/18/2015	Result 11/2/2015	Result 2/17/2016	Result 5/24/2016	Result 8/16/2016	Result 11/15/2016	Result 2/14/2017	Result 5/15/2017	Result 8/16/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	**0.00264**	**0.00446**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	**0.00017** J	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	**0.62**	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-16S Analyte	Unit	Cleanup Objective (CUO)	Result 11/20/2017	Result 2/14/2018	Result 5/7/2018	Result 8/14/2018	Result 11/6/2018	Result 2/18/2019	Result 5/7/2019	Result 8/12/2019	Result 11/11/2019	Result 2/18/2020
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.006	**0.0446**	**0.0293**	**0.0142**	< 0.002	**0.00774**	**0.00353**	**0.012**	**0.00454**	**0.0327**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0001 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000273**	< 0.0002
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Phenanthrene	mg/L	-	**0.000133 B**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0001 B	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	**0.00011 J**	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.5	**0.34 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.1	< 2	**0.7 J**	< 2	< 2	< 2	< 2 B	< 2	**1 J**	**1.1 J**
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-16S Analyte	Unit	Cleanup Objective (CUO)	Result 5/11/2020	Result 8/12/2020	Result 11/9/2020	Result 2/22/2021	Result 5/10/2021	Result 8/10/2021	Result 11/8/2021	Result 2/15/2022	Result 5/9/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.000076	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000076 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00207 C**	**0.00771 C**	**0.00589**	< 0.002	**0.00203**	**0.0068**	**0.0016 J**	**0.0016 J**	**0.0019 J**	**0.0024**
Chrysene	mg/L	0.0015	< 0.000076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.000076	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.000227	< 0.0003	< 0.0003	< 0.0003	< 0.0003	**0.00057**	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000992**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.000076	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.00758	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.000303	**0.00164**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.000455	< 0.0006	< 0.0006	< 0.0006	< 0.0006	**0.00255**	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.000152	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000486**	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	**0.16 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	**0.49 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2 B	**0.43 J**	< 2	< 2	**1.2 J**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	**0.61 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-16D Analyte	Unit	Cleanup Objective (CUO)	Result 3/2/2015	Result 5/11/2015	Result 5/11/2015	Result 8/17/2015	Result 11/2/2015	Result 2/17/2016	Result 5/24/2016	Result 8/16/2016	Result 11/14/2016	Result 2/14/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.00263	< 0.00263	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.00263	< 0.00263	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.00263	< 0.00263	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.00026	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.00026	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.00026	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00026	< 0.00026	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.00026	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00272**	**0.0095**	**0.0095**	**0.0031**	**0.00294**	**0.00425**	---	---	---	---
Chrysene	mg/L	0.0015	< 0.0001	< 0.00026	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.00026	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.00263	< 0.00263	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.00026	< 0.00026	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.00026	< 0.00026	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.00026	< 0.00026	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001	< 0.00026	< 0.00026	< 0.0001	< 0.0001	< 0.0001	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.00026	< 0.00026	< 0.0001	< 0.0001	< 0.0001	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.00263	< 0.00263	< 0.0064	**0.00011 J**	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.00263	< 0.00263	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	**0.89 J**	**0.95 J**	**0.95 J**	**0.99 J**	**1.2 J**	**0.88 J**	**0.57 J**	**0.44 J**	**0.51 J**	**0.44 J**
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-16D Analyte	Unit	Cleanup Objective (CUO)	Result 5/15/2017	Result 8/16/2017	Result 11/20/2017	Result 2/14/2018	Result (DUP) 2/14/2018	Result 5/7/2018	Result 8/14/2018	Result 11/6/2018	Result 2/18/2019	Result 5/7/2019
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	**0.00032 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0138**	**0.0019 J**	< 0.008	**0.00465**	**0.0438**	**0.00939**	**0.0035**	**0.00566**	**0.00573**	< 0.01 S
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	---	---	---	---	---	---	---	---
Fluoranthene	mg/L	0.28	< 0.0021	**0.00021 J**	< 0.0001 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	< 0.0002
Phenanthrene	mg/L	-	**0.00011 J**	< 0.0064	**0.000124 B**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	**0.00011 J**	< 0.0001 B	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002 B	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 0.5	< 0.5	**0.23 J**	**0.22 J**	**0.41 J**	**0.56**	**0.71**	**0.71**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.2 J**
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.5	< 0.5	**0.22 J**	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.1	< 2	< 2	< 2	< 2	< 2	**0.81 J**	**0.48 J**
o-Xylene	µg/L	-	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.12 J**
trans-1,2-Dichloroethene	µg/L	100	**0.67 J**	**0.8 J**	< 2	**0.56 J**	**0.53 J**	< 2	**0.39 J**	**0.3 J**	< 2	**0.13 J**
Xylenes, Total	µg/L	10000	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2

Notes:
B = Analyte detected in associated method blank
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C = RL shown is a client requested quantitation limit
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-16D Analyte	Unit	Cleanup Objective (CUO)	Result (DUP) 5/7/2019	Result 8/12/2019	Result 11/12/2019	Result 2/18/2020	Result 5/11/2020	Result 8/12/2020	Result 11/9/2020	Result 2/22/2021
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000222	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00421**	**0.0141**	< 0.002	< 0.002	**0.012 C**	**0.00595 C**	**0.011 C**	**0.005**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	---	< 0.01	< 0.01	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000222	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000148	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074	< 0.0001	< 0.0001	< 0.0002
m,p-Cresol	mg/L	-	---	< 0.01	< 0.01	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	---	< 0.01	< 0.01	< 0.01	< 0.00741	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000296	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000444	< 0.0006	< 0.0006	**0.00101**
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000148	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	**0.77**	**0.3 J**	**0.11 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2 B	< 2	**0.79 J**	**0.83 J**	< 2	< 2	< 2 B	**0.34 J**
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-16D Analyte	Unit	Cleanup Objective (CUO)	Result 5/10/2021	Result 8/10/2021	Result 11/8/2021	Result 2/15/2022	Result 5/9/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	**0.000076 J**	< 0.0001	**0.0016 J**	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.002 J**	**0.00206**	< 0.002	< 0.002	**0.00299**	**0.0017 J**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0004
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.01
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	**0.15 J**	< 0.5	< 0.5	**0.38 J**	**0.52**
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	**0.16 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	**0.52 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	**0.92** J	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	**0.13** J	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	**0.13 J**	< 2	**0.1 J**
Xylenes, Total	µg/L	10000	< 2	< 2	**0.65 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-17 Analyte	Unit	Cleanup Objective (CUO)	Result 3/2/2015	Result 5/12/2015	Result 8/18/2015	Result 11/2/2015	Result 2/17/2016	Result 5/24/2016	Result 8/16/2016	Result 11/15/2016	Result 2/14/2017	Result 5/15/2017	Result 8/16/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	**0.00225**	**0.00328**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	**0.0001 J**	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	**0.98 B**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	**0.5 J**	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-17 Analyte	Unit	Cleanup Objective (CUO)	Result 11/20/2017	Result 2/14/2018	Result 5/7/2018	Result 8/14/2018	Result 11/6/2018	Result 2/18/2019	Result 5/7/2019	Result 8/12/2019	Result 11/12/2019	Result 2/18/2020	Result 5/12/2020
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000077
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000077
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000115**	< 0.000231
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000055 J**	< 0.000077
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000077
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000077
Benzo(g,h,i)perylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000154
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000077
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.006	< 0.002	**0.00742**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	**0.00215**	**0.00257 C**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000047 J**	< 0.000077
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000077
Di-n-butyl phthalate	mg/L	0.7	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00769
Fluoranthene	mg/L	0.28	< 0.0001 B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000288**	< 0.000231
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000154
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000077
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00769
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00769
Naphthalene	mg/L	0.14	---	---	---	---	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000308
Phenanthrene	mg/L	-	**0.00011 B**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000462
Pyrene	mg/L	0.21	< 0.0001 B	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	**0.00023**	< 0.000154
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.5	**0.48 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.1	< 2	< 2	< 2	< 2	**0.61 J**	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-17 Analyte	Unit	Cleanup Objective (CUO)	Result 8/12/2020	Result 11/11/2020	Result 2/22/2021	Result 5/10/2021	Result 8/10/2021	Result 11/8/2021	Result 2/15/2022	Result 5/9/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.000074 J	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00467 C**	< 0.002 C	**0.0029**	< 0.002	0.00739	< 0.002	< 0.002	< 0.002	**0.00752**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000078 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	**0.53 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2 B	**0.38 J**	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	**0.65 J**	< 2	< 2	< 2

Notes:
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-18S Analyte	Unit	Cleanup Objective (CUO)	Result 3/4/2015	Result 5/12/2015	Result 8/19/2015	Result 11/4/2015	Result 2/18/2016	Result 5/25/2016	Result 8/18/2016	Result 11/16/2016	Result 2/16/2017	Result 5/17/2017	Result 8/18/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0011 J**	< 0.002	**0.00211**	**0.0014 J**	**0.0013 J**	---	---	---	---	**0.00827**	**0.0015 J**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	**0.000092 J**
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001 B	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	**0.2 B**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	**0.94**	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

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Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-18S Analyte	Unit	Cleanup Objective (CUO)	Result 11/21/2017	Result 2/15/2018	Result 5/8/2018	Result 8/14/2018	Result 11/8/2018	Result 2/19/2019	Result 5/7/2019	Result 8/13/2019	Result 11/12/2019	Result 2/19/2020	Result 5/13/2020
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000114**	< 0.000234
Benzo(a)anthracene	mg/L	0.00013	**0.000118 S**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000054 J**	< 0.0001	< 0.000078
Benzo(a)pyrene	mg/L	0.0002	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.005	< 0.0001	< 0.000078
Benzo(b)fluoranthene	mg/L	0.00018	**0.000132 S**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.005	< 0.0001	< 0.000078
Benzo(g,h,i)perylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.01	< 0.0002	< 0.000156
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.005	< 0.0001	< 0.000078
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.006 S	**0.00347**	**0.00327**	< 0.002	< 0.002	**0.00433**	**0.00229**	**0.00265**	**0.0037**	**0.0118**	**0.00309**
Chrysene	mg/L	0.0015	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000051 J**	< 0.0001	< 0.000078
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.005	< 0.0001	< 0.000078
Di-n-butyl phthalate	mg/L	0.7	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00781
Fluoranthene	mg/L	0.28	< 0.0001 S	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000234
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000156
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000143**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.005	< 0.0001	< 0.000078
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00781
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01	< 0.00781
Naphthalene	mg/L	0.14	---	---	---	---	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000312
Phenanthrene	mg/L	-	< 0.0001	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000469
Pyrene	mg/L	0.21	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002	**0.00011 J**	< 0.000156
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2	**0.94 J**	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	**0.52 J**	< 2	< 2	< 2	**0.52 J**	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-18S Analyte	Unit	Cleanup Objective (CUO)	Result 8/14/2020	Result 11/11/2020	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result - DUP 11/10/2021	Result 2/16/2022	Result 5/9/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003 B	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000071 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00244 C**	**0.00299**	**0.00249**	**0.00329**	< 0.002	**0.00305**	< 0.002	< 0.002	< 0.002	**0.00228**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.00007 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	**0.11 J**	**0.13 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	**0.39 J**	**0.45 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.13 J**	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	**0.39 J**	**0.56 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-18D Analyte	Unit	Cleanup Objective (CUO)	Result 3/4/2015	Result 5/12/2015	Result (DUP) 5/12/2015	Result 8/19/2015	Result 11/4/2015	Result 2/18/2016	Result (DUP) 2/18/2016	Result 5/25/2016	Result 8/18/2016	Result 11/16/2016	Result 2/16/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0014 J**	**0.0014 J**	**0.0033**	**0.003**	**0.0019 J**	**0.00201**	< 0.002	---	---	---	---
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001 B	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	**0.21 B**	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	**5.63**	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	**0.3 J**	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
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The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-18D Analyte	Unit	Cleanup Objective (CUO)	Result 5/17/2017	Result 8/18/2017	Result 11/21/2017	Result (DUP) 11/21/2017	Result 2/15/2018	Result 5/8/2018	Result 8/14/2018	Result 11/8/2018	Result 2/19/2019	Result 5/7/2019	Result 8/13/2019
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.00111	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00679**	**0.00472**	< 0.006	< 0.006	**0.00371**	**0.00222**	**0.00371**	< 0.002	< 0.002	< 0.0111	**0.00517**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	---	---	---	---	---	---	---	---	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	**0.00015** J	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00111	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000556	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	---	< 0.01
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	---	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	< 0.00111	< 0.0002
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0001	**0.000108**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.00222	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002 B	< 0.00111	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.13** J	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 2	< 2	< 2	< 2	< 2	**0.25** J	**0.4** J	**0.42** J	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-18D Analyte	Unit	Cleanup Objective (CUO)	Result 11/12/2019	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result 11/11/2020	Result 2/23/2021	Result (DUP) 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.005	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.005	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.005	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.01	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.005	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.1	**0.00559**	< 0.00155 C	< 0.002 C	**0.00331**	< 0.002	**0.0019** J	**0.00269**	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.005	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.005	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	< 0.000233	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.005	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.00775	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.00775	< 0.01	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.0002	< 0.00031	< 0.0004	< 0.01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.000465	< 0.0006	< 0.0006	< 0.0006	**0.00185**	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.000155	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13** J	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.41** J	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.45** J	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.13** J	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	**0.32** J	**0.21** J	< 2	**0.13** J	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.54** J	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-18D Analyte	Unit	Cleanup Objective (CUO)	Result 5/9/2022		Result 9/7/2022		Result (DUP) 9/7/2022	
Acenaphthene	mg/L	0.42	< 0.0001		< 0.0001		< 0.0001	
Acenaphthylene	mg/L	-	< 0.0001		< 0.0001		< 0.0001	
Anthracene	mg/L	2.1	< 0.0003		< 0.0003		< 0.0003	
Benzo(a)anthracene	mg/L	0.00013	< 0.0001		< 0.0001		< 0.0001	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002		< 0.0002		< 0.0002	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001		< 0.0001		< 0.0001	
Benzo(g,h,i)perylene	mg/L	-	< 0.0002		< 0.0002		< 0.0002	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001		< 0.0001		< 0.0001	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00295**		**0.00284**		**0.0017**	J
Chrysene	mg/L	0.0015	< 0.0001		< 0.0001		< 0.0001	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002		< 0.0002		< 0.0002	
Di-n-butyl phthalate	mg/L	0.7	< 0.01		< 0.01		< 0.01	
Fluoranthene	mg/L	0.28	< 0.0003		< 0.0003		< 0.0003	
Fluorene	mg/L	0.28	< 0.0002		< 0.0002		< 0.0002	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002		< 0.0002		< 0.0002	
m,p-Cresol	mg/L	-	< 0.01		< 0.01		< 0.01	
o-Cresol	mg/L	0.35	< 0.01		< 0.01		< 0.01	
Naphthalene	mg/L	0.14	< 0.0004		< 0.0004		< 0.0004	
Phenanthrene	mg/L	-	< 0.0006		< 0.0006		< 0.0006	
Pyrene	mg/L	0.21	< 0.0002	B	< 0.0002		< 0.0002	
Benzene	µg/L	5.0	< 0.5		< 0.5		< 0.5	
Bromoform	µg/L	1.0	< 2		< 2		< 2	
Ethylbenzene	µg/L	700	< 1		< 1		< 1	
m,p-Xylenes	µg/L	-	< 1		< 1		< 1	
Methylene chloride	µg/L	5.0	< 2		< 2		< 2	
Naphthalene	µg/L	140	< 2		< 2		< 2	
o-Xylene	µg/L	-	< 1		< 1		< 1	
Toluene	µg/L	1000	< 2		< 2		< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2		< 2	
Xylenes, Total	µg/L	10000	< 2		< 2		< 2	

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-19S Analyte	Unit	Cleanup Objective (CUO)	Result 3/4/2015	Result 5/11/2015	Result 8/20/2015	Result 11/4/2015	Result 2/18/2016	Result 5/25/2016	Result 8/18/2016	Result 11/16/2016	Result 2/16/2017	Result 5/17/2017	Result 8/18/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.00714 H	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0002	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.00714 H	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0002	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.00071 H	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0002	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.00071 H	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.00071 H	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.00071 H	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00071 H	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.0002	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.00071 H	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00595**	**0.0304 H**	**0.00871**	**0.00222**	**0.00259**	---	---	---	---	**0.0109**	**0.00473**
Chrysene	mg/L	0.0015	< 0.0001	< 0.00071 H	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.00071 H	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	**0.00079 H**	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0002	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.00071 H	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.00071 H	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.00071 H	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001 B	< 0.00071 H	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.00071 H	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.00071 H	< 0.0064	**0.0001 J**	**0.00012 J**	< 0.0064	< 0.0064	< 0.0002	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.00071 H	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0002	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	**0.45 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
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R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-19S Analyte	Unit	Cleanup Objective (CUO)	Result (DUP) 8/18/2017	Result 11/21/2017	Result 2/15/2018	Result 5/8/2018	Result 8/14/2018	Result 11/8/2018	Result 2/19/2019	Result (DUP) 2/19/2019	Result 5/7/2019	Result 8/13/2019
Acenaphthene	mg/L	0.42	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000051 J**	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00579**	< 0.006	**0.0013 J**	**0.00502**	**0.0149**	< **0.002**	**0.0146**	**0.00315**	**0.00632**	**0.0342**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	---	---	---	---	---	---	---	---	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	**0.000112**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	< 0.01
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	< 0.0002	< 0.0002
Phenanthrene	mg/L	-	< 0.0064	**0.000175**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002 B	< 0.0002 B	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 2	< 2	< 2	< 2	< 2	**0.41 J**	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 2	< 2	< 2	**0.1 J**	**0.11 J**	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-19S Analyte	Unit	Cleanup Objective (CUO)	Result 11/13/2019	Result 2/19/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B
Benzo(a)anthracene	mg/L	0.00013	**0.000054 J**	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	**0.000071 J**	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.002 J**	< 0.002	< 0.00156 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	**0.000058 J**	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	< 0.000234	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.000078	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.00781	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.0002	< 0.000312	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.000469	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.000156	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.15 J**
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.5 J**
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	**0.39 J**	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.61 J**

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
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E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-19S Analyte	Unit	Cleanup Objective (CUO)	Result 2/16/2022	Result- DUP 2/16/2022	Result 5/9/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	**0.00238**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-19D Analyte	Unit	Cleanup Objective (CUO)	Result 3/4/2015	Result 5/11/2015	Result 8/20/2015	Result 11/4/2015	Result 2/18/2016	Result 5/25/2016	Result 8/18/2016	Result 11/16/2016
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00207**	**0.00262**	**0.0023**	**0.0019 J**	< 0.002	---	---	---
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	**0.00051 B**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---
o-Cresol	mg/L	0.35	**0.00021**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	**0.27 J**	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
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C = RL shown is a client requested quantitation limit
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-19D Analyte	Unit	Cleanup Objective (CUO)	Result 2/16/2017	Result 5/17/2017	Result 8/18/2017	Result 11/21/2017	Result 2/15/2018	Result 5/8/2018	Result 8/14/2018	Result 11/8/2018
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	---	**0.00452**	**0.00917**	**0.00917**	**0.00664**	**0.00352**	**0.00794**	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	---	---	---	---
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-19D Analyte	Unit	Cleanup Objective (CUO)	Result 2/19/2019	Result 5/7/2019	Result 8/13/2019	Result 11/12/2019	Result 2/19/2020	Result 5/13/2020	Result - DUP 5/13/2020	Result 8/13/2020
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.000073	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.000073	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000213	< 0.000219	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.000073	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.000073	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.000073	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000142	< 0.000146	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.000073	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0019 J**	**0.00434**	**0.0232**	**0.00425**	< 0.002	< 0.00142 C	< 0.00146 C	< 0.002 C
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.000073	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.000073	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	---	---	< 0.01	< 0.01	< 0.01	< 0.00709	< 0.0073	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000213	< 0.000219	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000142	< 0.000146	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.000073	< 0.0001
m,p-Cresol	mg/L	-	---	---	< 0.01	< 0.01	< 0.01	< 0.00709	< 0.0073	< 0.01
o-Cresol	mg/L	0.35	---	---	< 0.01	< 0.01	< 0.01	< 0.00709	< 0.0073	< 0.01
Naphthalene	mg/L	0.14	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000284	< 0.000292	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.000426	< 0.000438	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.000142	< 0.000146	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.37 J**	< 2	< 2	< 2	< 2	< 2	< 2	**0.32 J**
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-19D Analyte	Unit	Cleanup Objective (CUO)	Result 11/10/2020	Result - DUP 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022	Result 5/9/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	**0.00391**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	**0.13 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	**0.5 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2 B	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.12 J**	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	**0.62 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-20 Analyte	Unit	Cleanup Objective (CUO)	Result 3/5/2015	Result (DUP) 3/5/2015	Result 5/11/2015	Result 8/20/2015	Result 11/4/2015	Result 2/18/2016	Result 5/27/2016	Result 8/18/2016	Result 11/16/2016	Result 2/16/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	**0.00009 J**	**0.00016**	< 0.0001	< 0.0001	**0.00008 J**	< 0.0001	**0.00009 J**	**0.00007 J**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	**0.00024**	**0.00026**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.0001 J**	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	**0.00019**	**0.00022**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	**0.00024 J**	**0.00024 J**	< 0.00076	< 0.00076	< 0.00076	< 0.00076	**0.00012 J**	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	**0.00011 J**	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	**0.00015**	**0.00016**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001 B	< 0.0001 B	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	**0.0001 J**	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	**0.00014 J**	**0.00019 J**	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**0.45 J**	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-20 Analyte	Unit	Cleanup Objective (CUO)	Result 5/17/2017	Result 8/18/2017	Result 11/21/2017	Result 2/15/2018	Result 5/10/2018	Result 8/14/2018	Result 11/8/2018	Result 2/19/2019	Result 5/7/2019	Result 8/13/2019
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.0001	< 0.0001	**0.00007 J**	**0.000184**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	**0.000058 J**	**0.000086 J**	**0.000146**	< 0.0001	< 0.0001	< 0.0001	**0.000053 J**
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	**0.000214**	**0.000089 J**	**0.000178**	**0.000471**	< 0.0001	**0.000052 J**	< 0.0001	**0.000082 J**
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	**0.000205**	**0.000074 J**	**0.000128**	**0.000364**	< 0.0001	< 0.0001	< 0.0001	**0.00007 J**
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	**0.000186**	**0.000138**	**0.000224**	**0.000513**	< 0.0001	**0.000076 J**	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000064 J**	**0.000163**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	**0.000108**	< 0.0001	**0.000055 J**	**0.000223**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000075 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	---	---	---	---	---	---	---	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	**0.000094 J**	**0.000165**	< 0.0002	< 0.0002	**0.00017 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	**0.000321**	**0.000096 J**	**0.000244**	**0.000536**	< 0.0001	< 0.0001	< 0.0001	**0.0001**
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	< 0.01
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	< 0.0002	< 0.0002
Phenanthrene	mg/L	-	< 0.0064	**0.00014 BJ**	**0.000205**	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	**0.000097 J**	**0.00018**	**0.000056 J**	**0.000135**	**0.000336**	< 0.0002	< 0.0002	< 0.0002	**0.00019 J**
Benzene	µg/L	5.0	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-20 Analyte	Unit	Cleanup Objective (CUO)	Result 11/14/2019	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result 11/10/2020	Result 2/23/2021	Result 5/11/2021	Result (DUP) 5/11/2021	Result 8/11/2021	Result 11/10/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.000077	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	**0.000111**	< 0.0001	**0.000106**	**0.000139**	**0.000155**	**0.000075** J	**0.000330**	**0.000509**	**0.000498**	**0.000229**	**0.00062**
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.000231	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003 B	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000087** J	< 0.0001	**0.000129**	**0.000195**	**0.000141**	< 0.000100	**0.000388**	**0.000671**	**0.000565**	**0.000316**	**0.000693**
Benzo(a)pyrene	mg/L	0.0002	**0.000249**	**0.000107**	**0.000337**	**0.000648**	**0.000505**	**0.000238**	**0.001350**	**0.002230**	**0.00193**	**0.000893**	**0.00224**
Benzo(b)fluoranthene	mg/L	0.00018	**0.000214**	**0.000138**	**0.000283**	**0.000586**	**0.000342**	**0.000174**	**0.001070**	**0.001840**	**0.00173**	**0.000825**	**0.00198**
Benzo(g,h,i)perylene	mg/L	-	**0.000279**	**0.00017** J	**0.000366**	**0.000805**	**0.000547**	**0.000243**	**0.001290**	**0.001970**	**0.00203**	**0.000894**	**0.00219**
Benzo(k)fluoranthene	mg/L	0.00017	**0.000055** J	< 0.0001	**0.000099**	**0.000147**	**0.000085** J	< 0.000100	**0.000302**	**0.000497**	**0.000521**	**0.00017**	**0.000629**
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.00154 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	**0.000109**	< 0.0001	**0.00013**	**0.000245**	**0.000183**	**0.000073** J	**0.000548**	**0.000921**	**0.000754**	**0.000398**	**0.000937**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.000077	**0.000138**	**0.00008** J	< 0.0002	**0.00018** J	**0.000294**	**0.000376**	**0.00012** J	**0.000408**
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	< 0.000231	< 0.0003	< 0.0003	< 0.0003	**0.000342**	**0.000652**	**0.000616**	**0.000316**	**0.00069**
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.000154	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000197**	**0.000148**	**0.000251**	**0.000537**	**0.000319**	< 0.000200	**0.000892**	**0.001470**	**0.0014**	**0.000611**	**0.00161**
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.00769	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.0002	< 0.000308	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.000462	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.00016** J	< 0.0002	**0.000239**	**0.000248**	**0.000328**	< 0.000200	**0.000845**	**0.001510**	**0.00127**	**0.000613**	**0.00156**
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12** J	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.47** J	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.47** J	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-20 Analyte	Unit	Cleanup Objective (CUO)	Result 5/9/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	**0.00008 J**	**0.0007**
Anthracene	mg/L	2.1	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	**0.000088 J**	**0.000921**
Benzo(a)pyrene	mg/L	0.0002	**0.000337**	**0.00271**
Benzo(b)fluoranthene	mg/L	0.00018	**0.000258**	**0.0024**
Benzo(g,h,i)perylene	mg/L	-	**0.000441**	**0.00283**
Benzo(k)fluoranthene	mg/L	0.00017	**0.00008 J**	**0.000695**
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	**0.0016 J**
Chrysene	mg/L	0.0015	**0.000151**	**0.00118**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	**0.00049**
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	**0.001**
Fluorene	mg/L	0.28	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	**0.000345**	**0.00202**
m,p-Cresol	mg/L	-	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.0004
Naphthalene	mg/L	0.14	< 0.0004	< 0.01
Phenanthrene	mg/L	-	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	**0.000208 B**	**0.00197**
Benzene	µg/L	5.0	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1
Toluene	µg/L	1000	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-21 Analyte	Unit	Cleanup Objective (CUO)	Result 3/5/2015	Result 5/13/2015	Result 8/20/2015	Result (DUP) 8/20/2015	Result 11/4/2015	Result 2/18/2016	Result 5/26/2016	Result 8/18/2016	Result 11/16/2016	Result 2/15/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00006 J**	**0.00007 J**	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00384**	< 0.002	**0.00837**	**0.00812**	**0.001 J**	< 0.002	---	---	---	---
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	< 0.0001 B	**0.00022**	**0.00015**	**0.00016**	< 0.0001	< 0.0001	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	**0.00019**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	**0.35 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	**2.51**	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	**0.43 J**	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	**0.35 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-21 Analyte	Unit	Cleanup Objective (CUO)	Result (DUP) 2/15/2017	Result 5/17/2017	Result 8/17/2017	Result 11/21/2017	Result 2/14/2018	Result 5/10/2018	Result 8/13/2018	Result 11/8/2018	Result 2/19/2019	Result 5/7/2019
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	**0.00016** J	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000054** J	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00006** J	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000054** J	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	---	**0.0019** J	**0.0015** J	< 0.006	**0.0013** J	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000043** J	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	---	---	---	---	---	---	---
Fluoranthene	mg/L	0.28	< 0.0021	**0.00015** J	< 0.0021	**0.000107** B	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	**0.00011** J	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	< 0.0002
Phenanthrene	mg/L	-	< 0.0064	**0.00018** J	< 0.0064	**0.000214** B	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	**0.00012** J	< 0.0027	< 0.0001 B	**0.000041** J	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.1	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-21 Analyte	Unit	Cleanup Objective (CUO)	Result 8/14/2019	Result 11/13/2019	Result 2/20/2020	Result 5/12/2020	Result 8/14/2020	Result 11/11/2020	Result 2/24/2021	Result 5/12/2021	Result 8/11/2021	Result 11/9/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.000214	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.000071	**0.000072 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.000071	**0.00007 J**	< 0.0001	< 0.0002	< 0.0002	**0.00012 J**	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	**0.000069 J**	< 0.000071	**0.000123**	**0.000074 J**	< 0.000100	< 0.000100	**0.000132**	< 0.0001	**0.000076 J**
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.000143	**0.0001 J**	**0.000054 J**	< 0.000200	< 0.000200	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000052 J**
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.00143 C	**0.00271 C**	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002 B	**0.00212**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.000071	**0.000071 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000067 J**
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.000214	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.000143	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	**0.000087 J**	< 0.000071	**0.000126**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.00714	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.0002	< 0.0002	< 0.000286	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.0004	< 0.000429	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.000143	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.00018 J**
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.47 J**	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.1 J**	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.43 J**	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.57 J**	< 2

Notes:
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-21 Analyte	Unit	Cleanup Objective (CUO)	Result 5/11/2022		Result 9/7/2022	
Acenaphthene	mg/L	0.42	< 0.0001		< 0.0001	
Acenaphthylene	mg/L	-	< 0.0001		< 0.0001	
Anthracene	mg/L	2.1	< 0.0003		< 0.0003	
Benzo(a)anthracene	mg/L	0.00013	< 0.0001		< 0.0001	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002		< 0.0002	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001		**0.000109**	
Benzo(g,h,i)perylene	mg/L	-	< 0.0002		< 0.0002	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001		< 0.0001	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0016**	J	< 0.002	
Chrysene	mg/L	0.0015	< 0.0001		**0.000052**	J
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002		< 0.0002	
Di-n-butyl phthalate	mg/L	0.7	< 0.01		< 0.01	
Fluoranthene	mg/L	0.28	< 0.0003		< 0.0003	
Fluorene	mg/L	0.28	< 0.0002		< 0.0002	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002		< 0.0002	
m,p-Cresol	mg/L	-	< 0.01		< 0.01	
o-Cresol	mg/L	0.35	< 0.0004		< 0.0004	
Naphthalene	mg/L	0.14	< 0.01		< 0.01	
Phenanthrene	mg/L	-	< 0.0006		< 0.0006	
Pyrene	mg/L	0.21	< 0.0002	B	< 0.0002	B
Benzene	µg/L	5.0	< 0.5		< 0.5	
Bromoform	µg/L	1.0	< 2		< 2	
Ethylbenzene	µg/L	700	< 1		< 1	
m,p-Xylenes	µg/L	-	< 1		< 1	
Methylene chloride	µg/L	5.0	< 2		< 2	
Naphthalene	µg/L	140	< 2		< 2	
o-Xylene	µg/L	-	< 1		< 1	
Toluene	µg/L	1000	< 2		< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2	
Xylenes, Total	µg/L	10000	< 2		< 2	

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
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< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-22S Analyte	Unit	Cleanup Objective (CUO)	Result 3/3/2015	Result 5/12/2015	Result 8/18/2015	Result 11/3/2015	Result 2/17/2016	Result 5/25/2016
Acenaphthene	mg/L	0.42	< 0.0208	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.0208	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0138	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.00021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.00021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.00021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00158	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.00021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.00417	< 0.002	**0.0013** J	< 0.002	< 0.002	---
Chrysene	mg/L	0.0015	< 0.00021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.00021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.00688	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.00438	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.00438	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.00021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	**0.00031**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---
o-Cresol	mg/L	0.35	< 0.00021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0133	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.00562	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	**0.52** J	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	**0.27** J	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-22S Analyte	Unit	Cleanup Objective (CUO)	Result 8/17/2016	Result 11/15/2016	Result 2/15/2017	Result 5/16/2017	Result 8/17/2017	Result 11/22/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.0001
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	---	---	---	**0.0015 J**	**0.00399**	< 0.006
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	---
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	**0.0001**	< 0.0001
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	**0.000134**
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0001
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 1
Methylene chloride	µg/L	5.0	< 0.2	**0.29**	< 0.2	< 0.2	< 0.2	< 0.5
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 1

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
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R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-22S Analyte	Unit	Cleanup Objective (CUO)	Result 2/14/2018	Result 5/8/2018	Result 8/14/2018	Result (DUP) 8/14/2018	Result 11/7/2018	Result 2/20/2019	Result 5/8/2019
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0017 J**	**0.00445**	**0.00264**	**0.00477**	< 0.002	< 0.002	**0.00455**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	---	---	---	---	---	---	---
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	**0.00015 J**	< 0.0002	**0.00015 J**	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	**0.000203**
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	**0.000035**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.5	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2	**0.5 J**
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 1	< 1	< 1	< 1	< 1	< 1	< 2

Notes:
B = Analyte detected in associated method blank
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Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-22S Analyte	Unit	Cleanup Objective (CUO)	Result 8/14/2019	Result 11/13/2019	Result 2/20/2020	Result 5/14/2020	Result - DUP 5/14/2020	Result 8/13/2020	Result 11/9/2020	Result 2/22/2021
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.0001	**0.000637**	< 0.000231	< 0.000231	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	**0.000088 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	**0.000061 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.000154	< 0.000154	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	**0.00191 C**	< 0.00154 C	**0.00279 C**	**0.00517**	**0.0017** J
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	**0.000084 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.00769	< 0.00769	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.0002	**0.000524**	< 0.000231	< 0.000231	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.0001	< 0.0001	< 0.000154	< 0.000154	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	**0.000093 J**	< 0.000077	< 0.000077	< 0.0001	< 0.0001	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.00769	< 0.00769	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.00769	< 0.00769	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.0002	< 0.0002	< 0.000308	< 0.000308	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.0004	**0.000695**	< 0.000462	< 0.000462	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	**0.000449**	< 0.000154	< 0.000154	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2	< 2 B	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
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mg/L = milligrams per liter
µg/L = micrograms per liter

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Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-22S Analyte	Unit	Cleanup Objective (CUO)	Result 5/12/2021	Result 8/11/2021	Result - DUP 8/11/2021	Result 11/9/2021	Result - DUP 11/9/2021	Result 2/16/2022	Result 5/10/2022	Result 9/7/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000068 J**	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	**0.000071 J**	**0.00007 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00472**	**0.00983**	**0.00753**	< 0.002 B	**0.0016 BJ**	< 0.002	**0.00347**	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0004
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.01
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	**0.14 J**	< 1	< 1	< 1	**0.11 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	**0.2 J**	< 1	< 1	**0.39 J**	**0.47 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	**0.13 J**	< 1	< 1	< 1	**0.11 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	**0.12 J**	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	**0.33 J**	< 2	< 2	**0.39 J**	**0.58 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-22D Analyte	Unit	Cleanup Objective (CUO)	Result 3/3/2015	Result 5/12/2015	Result 8/18/2015	Result 11/3/2015	Result 2/17/2016	Result 5/25/2016	Result 8/16/2016	Result 11/15/2016	Result 2/15/2017	Result 5/16/2017	Result 8/17/2017
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.00006 J**	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0029**	**0.00494**	**0.00646**	**0.00803**	**0.0011 J**	---	---	---	---	**0.00298**	**0.00913**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	**0.00014**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	---	---	---	---	---	---
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 B	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Naphthalene	µg/L	140	**0.73**	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	µg/L	1000	< 2	< 2	< 2	**0.25 J**	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
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Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-22D Analyte	Unit	Cleanup Objective (CUO)	Result (DUP) 8/17/2017	Result 11/22/2017	Result 2/14/2018	Result 5/8/2018	Result 8/14/2018	Result 11/7/2018	Result 2/20/2019	Result (DUP) 2/20/2019	Result 5/8/2019	Result 8/14/2019	Result 11/13/2019
Acenaphthene	mg/L	0.42	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.00566**	< 0.006	**0.00529**	**0.00829**	**0.00939**	**0.00579**	**0.00243**	**0.00215**	**0.0111**	**0.00834**	**0.00636**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	---	---	---	---	---	---	---	---	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	**0.000142**	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fluorene	mg/L	0.28	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
m,p-Cresol	mg/L	-	---	---	---	---	---	---	---	---	---	< 0.01	< 0.01
o-Cresol	mg/L	0.35	---	---	---	---	---	---	---	---	---	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	---	**0.00126**	< 0.0002	< 0.0002
Phenanthrene	mg/L	-	< 0.0064	**0.000882**	< 0.0001	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Pyrene	mg/L	0.21	< 0.0027	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.1	< 2	< 2	< 2	< 2	< 2	< 2	**2.86**	< 2	< 2
o-Xylene	µg/L	-	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
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The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-22D Analyte	Unit	Cleanup Objective (CUO)	Result 2/20/2020	Result 5/11/2020	Result 8/12/2020	Result 11/9/2020	Result 2/23/2021	Result 5/12/2021	Result 8/12/2021	Result 11/9/2021	Result 2/16/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000242	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000161	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00161 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002	< 0.002 B	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00806	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000242	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000161	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000081	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00806	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00806	< 0.01	< 0.0004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000323	< 0.0004	< 0.01	< 0.0004	< 0.0004	< 0.0004	**0.000955**	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000484	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000161	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	**0.52**	**1.2**	**0.45 J**	**0.21 J**	< 0.5 S
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1 S
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.43 J**	< 1 S
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.11 J**	< 1 S
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 S
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**0.54 J**	< 2 S

Notes:
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R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-22D Analyte	Unit	Cleanup Objective (CUO)	Result 5/10/2022		Result 9/6/2022	
Acenaphthene	mg/L	0.42	< 0.0001		< 0.0001	
Acenaphthylene	mg/L	-	< 0.0001		< 0.0001	
Anthracene	mg/L	2.1	< 0.0003		< 0.0003	
Benzo(a)anthracene	mg/L	0.00013	< 0.0001		< 0.0001	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002		< 0.0002	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001		< 0.0001	
Benzo(g,h,i)perylene	mg/L	-	< 0.0002		< 0.0002	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001		< 0.0001	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002		< 0.002	
Chrysene	mg/L	0.0015	< 0.0001		< 0.0001	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002		< 0.0002	
Di-n-butyl phthalate	mg/L	0.7	< 0.01		< 0.01	
Fluoranthene	mg/L	0.28	< 0.0003		< 0.0003	
Fluorene	mg/L	0.28	< 0.0002		< 0.0002	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002		< 0.0002	
m,p-Cresol	mg/L	-	< 0.01		< 0.01	
o-Cresol	mg/L	0.35	< 0.01		< 0.01	
Naphthalene	mg/L	0.14	< 0.0004		< 0.0004	
Phenanthrene	mg/L	-	< 0.0006		< 0.0006	
Pyrene	mg/L	0.21	< 0.0002	B	< 0.0002	
Benzene	µg/L	5.0	< 0.5		< 0.5	
Bromoform	µg/L	1.0	< 2		< 2	
Ethylbenzene	µg/L	700	< 1		< 1	
m,p-Xylenes	µg/L	-	< 1		< 1	
Methylene chloride	µg/L	5.0	< 2		< 2	
Naphthalene	µg/L	140	< 2		< 2	
o-Xylene	µg/L	-	< 1		< 1	
Toluene	µg/L	1000	< 2		< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2		< 2	
Xylenes, Total	µg/L	10000	< 2		< 2	

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-25 Analyte	Unit	Cleanup Objective (CUO)	Result 2/19/2020	Result 5/13/2020	Result 8/14/2020	Result (DUP) 8/14/2020	Result 8/14/2020	Result 11/11/2020	Result 2/23/2021	Result 5/12/2021
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000226	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.00015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.0015 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00752	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000226	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.00015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000075	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	**0.00069 J**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00752	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000301	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0004	< 0.000451	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.00015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	**0.45 J**	< 2	< 2	< 2	< 2	< 2 B	**3.29**	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-25 Analyte	Unit	Cleanup Objective (CUO)	Result 8/11/2021	Result 11/8/2021	Result 2/15/2022	Result 5/10/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	**0.012** J	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	**0.11** J	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	**0.48** J	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2	< 2 B
o-Xylene	µg/L	-	< 1	**0.1** J	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	**0.58** J	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-26 Analyte	Unit	Cleanup Objective (CUO)	Result 2/19/2020	Result 5/13/2020	Result 8/13/2020	Result 11/10/2020	Result 2/24/2021	Result 5/11/2021	Result 8/12/2021
Acenaphthene	mg/L	0.42	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000072 J**
Acenaphthylene	mg/L	-	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0001	< 0.000213	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000081 J**
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.000142	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.00142 C	< 0.002 C	< 0.002 C	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.000071	< 0.0001	< 0.0001	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.00709	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0002	< 0.000213	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0001	< 0.000142	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000215**
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.000071	**0.000082 J**	< 0.0001	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.00709	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.00709	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0002	< 0.000284	< 0.0004	< 0.0004	< 0.0004	< 0.0004	**0.00429**
Phenanthrene	mg/L	-	< 0.0004	< 0.000426	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.000142	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2 B	**0.52 J**	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-26 Analyte	Unit	Cleanup Objective (CUO)	Result 11/8/2021	Result 2/15/2022	Result 5/10/2022	Result 9/6/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002	**0.0018 J**
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002	< 0.0002 B	< 0.0002
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	**0.15 J**	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	**0.52 J**	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	**0.12 J**	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	**0.64 J**	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-101S Analyte	Unit	Cleanup Objective (CUO)	Result 5/14/2015	Result (DUP) 5/14/2015	Result 5/27/2016	Result (DUP) 5/27/2016	Result 5/18/2017	Result (DUP) 5/18/2017	Result (DUP) 5/9/2018	Result 5/6/2019	Result 5/13/2020	Result 5/11/2021
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000078	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000078	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.000234	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	**0.00016** J	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0002	< 0.000156	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	---	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00156 C	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	**0.00013**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	---	---	< 0.00781	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.000234	< 0.0003
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.000156	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	**0.00014**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000078	< 0.0002
m,p-Cresol	mg/L	-	< 0.0001	< 0.0001	---	---	---	---	---	---	< 0.00781	< 0.01
o-Cresol	mg/L	0.35	< 0.0001	< 0.0001	---	---	---	---	---	---	< 0.00781	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	---	---	< 0.0002	< 0.000312	< 0.0004
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0064	< 0.0004	< 0.0004	< 0.000469	< 0.0006
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0001	< 0.0002	< 0.000156	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2 B	< 0.2 B	< 0.2	< 0.2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 2 B	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 4	< 4	< 1 B	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-101S Analyte	Unit	Cleanup Objective (CUO)	Result 5/10/2022	
Acenaphthene	mg/L	0.42	< 0.0001	
Acenaphthylene	mg/L	-	< 0.0001	
Anthracene	mg/L	2.1	< 0.0003	
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	
Chrysene	mg/L	0.0015	< 0.0001	
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	
Di-n-butyl phthalate	mg/L	0.7	< 0.01	
Fluoranthene	mg/L	0.28	< 0.0003	
Fluorene	mg/L	0.28	< 0.0002	
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	
m,p-Cresol	mg/L	-	< 0.01	
o-Cresol	mg/L	0.35	< 0.01	
Naphthalene	mg/L	0.14	< 0.0004	
Phenanthrene	mg/L	-	< 0.0006	
Pyrene	mg/L	0.21	< 0.0002	B
Benzene	µg/L	5.0	< 0.5	
Bromoform	µg/L	1.0	< 2	
Ethylbenzene	µg/L	700	< 1	
m,p-Xylenes	µg/L	-	< 1	
Methylene chloride	µg/L	5.0	< 2	
Naphthalene	µg/L	140	< 2	
o-Xylene	µg/L	-	< 1	
Toluene	µg/L	1000	< 2	
trans-1,2-Dichloroethene	µg/L	100	< 2	
Xylenes, Total	µg/L	10000	< 2	

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-102S Analyte	Unit	Cleanup Objective (CUO)	Result 5/14/2015	Result 5/27/2016	Result (DUP) 5/27/2016	Result 5/18/2017	Result (DUP) 5/18/2017	Result 5/9/2018	Result 5/6/2019	Result 5/13/2020	Result 5/11/2021	Result 5/10/2022
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.000214	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0002	< 0.000143	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	---	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00143 C	**0.0019 J**	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0033	---	---	< 0.00714	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.000214	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.000143	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000071	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.0001	---	---	---	---	---	---	< 0.00714	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0001	---	---	---	---	---	---	< 0.00714	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	---	< 0.0002	< 0.000286	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	**0.00018 J**	< 0.0064	< 0.0004	< 0.0004	< 0.000429	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0001	< 0.0002	< 0.000143	< 0.0002	< 0.0002 B
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2 B	< 0.2 B	< 0.2	< 0.2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 2 B	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	**0.41 J**	< 4	< 4	< 4	< 4	< 1 B	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-102D Analyte	Unit	Cleanup Objective (CUO)	Result 5/14/2015	Result 5/27/2016	Result 5/18/2017	Result 5/9/2018	Result 5/6/2019	Result 5/13/2020
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000074
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.0001 SR	< 0.0001	< 0.000074
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.000221
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0002	< 0.000147
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	---	< 0.002	< 0.002	**0.0053**	< 0.00147 C
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	---	---	< 0.00735
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.000221
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.000147
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000074
m,p-Cresol	mg/L	-	< 0.0001	---	---	---	---	< 0.00735
o-Cresol	mg/L	0.35	< 0.0001	---	---	---	---	< 0.00735
Naphthalene	mg/L	0.14	---	---	---	---	< 0.0002	< 0.000294
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0004	< 0.0004	< 0.000441
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0001	< 0.0002	< 0.000147
Benzene	µg/L	5.0	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2	< 0.2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 2 B	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 1 B	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-102D Analyte	Unit	Cleanup Objective (CUO)	Result 5/11/2021	Result 5/10/2022	Result - DUP 5/10/2022
Acenaphthene	mg/L	0.42	< 0.0001	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.0001	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0003	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.0002	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0002	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.01	**0.00085** J	< 0.01
Fluoranthene	mg/L	0.28	< 0.0003	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0002	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0002	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.01	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.01	< 0.01	< 0.01
Naphthalene	mg/L	0.14	< 0.0004	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0006	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0002	< 0.0002 B	< 0.0002 B
Benzene	µg/L	5.0	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 2	< 2	< 2
Naphthalene	µg/L	140	< 2	< 2	< 2
o-Xylene	µg/L	-	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-103S Analyte	Unit	Cleanup Objective (CUO)	Result 5/12/2015	Result 5/26/2016	Result (DUP) 5/26/2016	Result 5/16/2017	Result 5/9/2018	Result 5/6/2019	Result (DUP) 5/6/2019	Result 5/12/2020	Result 5/12/2021	Result 5/11/2022
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.000073	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.0001	< 0.000073	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066 S	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.0001	< 0.000219	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000073	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000073	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000073	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	**0.0001 J**	< 0.00076	< 0.00076	< 0.0001	< 0.0002	< 0.0002	< 0.000146	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001 S	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000073	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.002	---	---	< 0.002	< 0.002	< 0.002	**0.002 J**	< 0.00146 C	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000073	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	**0.00008 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000073	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033 S	< 0.0033	< 0.0033	---	---	---	< 0.0073	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021 S	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.0002	< 0.000219	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.0001	< 0.000146	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000073	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.0001	---	---	---	---	---	---	< 0.0073	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0001	---	---	---	---	---	---	< 0.0073	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	< 0.0002	< 0.0002	< 0.000292	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0064	< 0.0064 S	< 0.0064	< 0.0064	< 0.0004	< 0.0004	< 0.0004	< 0.000438	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0027	< 0.0027 S	< 0.0027	< 0.0027	< 0.0001	< 0.0002	< 0.0002	< 0.000146	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	< 0.2 B	< 0.2	< 0.2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 0.6	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 4	< 1	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
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Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
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mg/L = milligrams per liter
µg/L = micrograms per liter

Table 1
Summary of Analytical Results 2015 - September 2022
Ameren Taylorville, IL MGP Site

GW-103D Analyte	Unit	Cleanup Objective (CUO)	Result 5/12/2015	Result 5/26/2016	Result 5/16/2017	Result 5/9/2018	Result (DUP) 5/9/2018	Result 5/6/2019	Result 5/12/2020	Result - DUP 5/12/2020	Result 5/12/2021	Result 5/11/2022
Acenaphthene	mg/L	0.42	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000294	< 0.00008	< 0.000071	< 0.0001	< 0.0001
Acenaphthylene	mg/L	-	< 0.01	< 0.01	< 0.01	< 0.0001	< 0.0001	< 0.000294	< 0.00008	< 0.000071	< 0.0001	< 0.0001
Anthracene	mg/L	2.1	< 0.0066	< 0.0066	< 0.0066	< 0.0001	< 0.0001	< 0.000294	< 0.00024	< 0.000214	< 0.0003	< 0.0003
Benzo(a)anthracene	mg/L	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000294	< 0.00008	< 0.000071	< 0.0001	< 0.0001
Benzo(a)pyrene	mg/L	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000294	< 0.00008	< 0.000071	< 0.0002	< 0.0002
Benzo(b)fluoranthene	mg/L	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000294	< 0.00008	< 0.000071	< 0.0001	< 0.0001
Benzo(g,h,i)perylene	mg/L	-	< 0.00076	< 0.00076	< 0.00076	< 0.0001	< 0.0001	< 0.000588	< 0.00016	< 0.000143	< 0.0002	< 0.0002
Benzo(k)fluoranthene	mg/L	0.00017	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000294	< 0.00008	< 0.000071	< 0.0001	< 0.0001
Bis(2-ethylhexyl)phthalate	mg/L	0.006	**0.0013** J	---	< 0.002	< 0.002	< 0.002	< 0.00588	< 0.0016 C	< 0.00143 C	< 0.002	< 0.002
Chrysene	mg/L	0.0015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000294	< 0.00008	< 0.000071	< 0.0001	< 0.0001
Dibenzo(a,h)anthracene	mg/L	0.0003	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000294	< 0.00008	< 0.000071	< 0.0002	< 0.0002
Di-n-butyl phthalate	mg/L	0.7	< 0.0033	< 0.0033	< 0.0033	---	---	---	< 0.008	< 0.00714	< 0.01	< 0.01
Fluoranthene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0002	< 0.0002	< 0.000588	< 0.00024	< 0.000214	< 0.0003	< 0.0003
Fluorene	mg/L	0.28	< 0.0021	< 0.0021	< 0.0021	< 0.0001	< 0.0001	< 0.000294	< 0.00016	< 0.000143	< 0.0002	< 0.0002
Indeno(1,2,3-cd)pyrene	mg/L	0.00043	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.000294	< 0.00008	< 0.000071	< 0.0002	< 0.0002
m,p-Cresol	mg/L	-	< 0.0001	---	---	---	---	---	< 0.008	< 0.00714	< 0.01	< 0.01
o-Cresol	mg/L	0.35	< 0.0001	---	---	---	---	---	< 0.008	< 0.00714	< 0.01	< 0.01
Naphthalene	mg/L	0.14	---	---	---	---	---	< 0.00059	< 0.00032	< 0.000286	< 0.0004	< 0.0004
Phenanthrene	mg/L	-	< 0.0064	< 0.0064	< 0.0064	< 0.0004	< 0.0004	< 0.00118	< 0.00048	< 0.000429	< 0.0006	< 0.0006
Pyrene	mg/L	0.21	< 0.0027	< 0.0027	< 0.0027	< 0.0001	< 0.0001	< 0.000588	< 0.00016	< 0.000143	< 0.0002	< 0.0002
Benzene	µg/L	5.0	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	µg/L	1.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	µg/L	700	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylenes	µg/L	-	< 4	< 4	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	µg/L	5.0	< 0.2	**0.2** B	< 0.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	µg/L	140	< 0.6	< 0.6	< 0.6	< 2	< 2 B	< 2	< 2	< 2	< 2	< 2
o-Xylene	µg/L	-	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/L	1000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	µg/L	100	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylenes, Total	µg/L	10000	< 4	< 4	< 4	< 1	< 1 B	< 2	< 2	< 2	< 2	< 2

Notes:
B = Analyte detected in associated method blank
J = Analyte detected below quantitation limits
C = RL shown is a client requested quantitation limit
E = Value above quantitation range
S = Spike Recovery outside recovery limits
R = RPD outside accepted recovery limits
Yellow = Exceeds CUO for Class I Groundwater Ingestion
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Cleanup Objective (CUO) = Groundwater protection standard set in 1992 Record of Decision for Site
All analyses performed by Teklab, Inc.
mg/L = milligrams per liter
µg/L = micrograms per liter

Table 2. Groundwater Clean Up Objectives

Ameren Taylorville MGP Site, Taylorville, Illinois

	Current CUOs			Alternative RGs
Taylorville FMGP Groundwater Monitoring Analytes	**1992 ROD Goals** *mg/L*	**2005 ESD Goals** *mg/L*	**Taylorville CUOs** *mg/L*	**Part 620 Standards*** *mg/L*
Acenapthene	0.42	-	**0.42**	0.42
Anthracene	2.1	-	**2.1**	2.1
Benzo(a)anthracene	0.00013	-	**0.00013**	0.00013
Benzo(a)pyrene	0.00023	0.0002	**0.0002**	0.0002
Benzo(b)fluoranthene	0.00018	-	**0.00018**	0.00018
Benzo(k)fluoranthene	0.00017	-	**0.00017**	0.00017
Chrysene	0.0015	-	**0.0015**	0.012
Dibenzo(a,h)anthracene	0.0003	-	**0.0003**	0.0003
Fluoranthene	0.28	-	**0.28**	0.28
Fluorene	0.28	-	**0.28**	0.28
Indeno(1,2,3-c,d)pyrene	0.00043	-	**0.00043**	0.00043
Naphthalene	0.025	-	**0.025**	0.14
Pyrene	0.21	-	**0.21**	0.21
Benzene	0.005	-	**0.005**	0.005
Toluene	1	-	**1**	1
Ethylbenzene	0.7	-	**0.7**	0.7
Total Xylenes	10	-	**10**	10
trans-1,2-dichloroethylene	0.1	-	**0.1**	0.1
2-Methylphenol (o-cresol)	0.35	-	**0.35**	0.35
4-Methylphenol (p-Cresol)	0.35	-	**0.35**	-
Dichloromethane	0.0002	-	**0.0002**	-
Bromoform	0.0002	-	**0.0002**	-
Di-n-butylphthalate	0.7	-	**0.7**	0.7
Bis(2-ethylhexyl)phthalate	0.0027	-	**0.0027**	0.006
Acenapthylene	0.21	-	**0.21**	-
Benzo(g,h,i)perylene	0.21	-	**0.21**	-
Phenanthrene	0.21	-	**0.21**	-
Sum of 2-methylphenol and 4-methylphenol	0.5	-	**0.5**	-
Mixture 1: Acenapthene + fluoranthene + fluorene + pyrene	1	-	**1**	-
Mixture 2: dichloromethane + bis(2-ethylhexyl)phthalate	1	-	**1**	-

Key:

- = No value

CUO - Clean Up Objective

ESD - Explanation of Significant Differences

FMGP - Former Manufactured Gas Plant

GW - Groundwater

IEPA - Illinois Environmental Protection Agency

RG - Remedial Goal

ROD - Record of decision

* Standards listed in IAC Title 35, Part 620, Subpart D, Section 410

Table 3. P&T System Discharge Sampling Analytes

Ameren Taylorville MGP Site, Taylorville, Illinois

Taylorville FMGP P&T Facility Discharge Analytes	1992 ROD Goals *mg/L*	2005 ESD Goals *mg/L*	Taylorville CUOs *mg/L*
Acenapthene	0.42	-	0.42
Acenapthylene	-	-	-
Anthracene	2.1	-	2.1
Benzo(a)anthracene	0.00013	-	0.00013
Benzo(a)pyrene	0.00023	0.0002	0.0002
Benzo(b)fluoranthene	0.00018	-	0.00018
Benzo(g,h,i)perylene	-	-	-
Benzo(k)fluoranthene	0.00017	-	0.00017
Chrysene	0.0015	-	0.0015
Dibenzo(a,h)anthracene	0.0003	-	0.0003
Fluoranthene	0.28	-	0.28
Fluorene	0.28	-	0.28
Indeno(1,2,3-c,d)pyrene	0.00043	-	0.00043
2-Methylphenol (o-cresol)	0.35	-	0.35
4-Methylphenol (p-Cresol)	0.35	-	0.35
Phenanthrene	0.21	-	0.21
Naphthalene	0.025	-	0.025
Pyrene	0.21	-	0.21
Benzene	0.005	-	0.005
Toluene	1	-	1
Ethylbenzene	0.7	-	0.7
m,p-Xylenes	0.35	-	0.35
o-Xylene	0.35	-	0.35
Total Xylenes	10	-	10

Key:
- = No value
CUO - Clean Up Objective
ESD - Explanation of Significant Differences
FMGP - Former Manufactured Gas Plant

APPENDIX A PHOTOLOG OF FENCING / ACCESS RESTRICTIONS

Photograph 1	North gate to Site with fencing and signage, looking west.

Photograph 2	South gate to Site with fencing and signage, looking southwest.

Photograph 3	Fencing and signage on gate between Site parcel and adjacent parcel south of the Site, looking north.

Photograph 4	Fencing and signage on parcel south of the Site, looking south.

Photograph 5	Typical fencing and signage for adjacent parcel south of the Site.

Photograph 6	Typical fencing and signage for adjacent parcel south of the Site.

APPENDIX B ENVIRONMENTAL COVENANT

2012R04842 20
2012R04842
LINDA CURTIN
CHRISTIAN COUNTY RECORDER
TAYLORVILLE, IL
RECORDED ON
08/30/2012 09:06AM
PAGES: 20 DK
REC FEE: 28.00
AUTO FEE: 18.00
GIS FEE: 20.00
RHSP FEE: 9.00
RHSP CO FEE: 0.50
RHSP REC FEE: 0.50

This instrument was prepared by:

Ameren Services Company
1901 Chouteau Avenue (MC 700)
St. Louis, Missouri 63103

Please return this instrument to:

Kim Geving, Assistant Counsel
Illinois EPA
1021 N. Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62794-9276

ENVIRONMENTAL COVENANT

1. Environmental Covenant:

This Environmental Covenant is made this 20 day of August, 2012 by Ameren Illinois Company, doing business as Ameren Illinois, an Illinois corporation ("AIC") corporate successor to Central Illinois Public Service Company ("Grantor") and the Holders/Grantees further identified in paragraph 3 below pursuant to the Uniform Environmental Covenants Act, 765 ILCS Ch. 122 ("UECA"), for the purpose of subjecting the Property to the activity and use limitations described herein.

2. Property and Grantor:

A. Property: The real property subject to this Environmental Covenant is located at 917 South Webster Street, Taylorville, Illinois in Christian County, more particularly described on Appendix A, which is attached hereto and made part hereof ("the Property"). The county parcel number of this Property is 17-13-27-331-006-00.

B. Grantor: The Grantor is the current fee owner of the property, AIC is the "Grantor" of this Environmental Covenant. The mailing address of the Grantor is 300 Liberty Street, Peoria, Illinois 61602.

3. Holders (and Grantees for purposes of indexing):

A. The Illinois Environmental Protection Agency ("Illinois EPA") is a Holder (and Grantee for purposes of indexing) of this Environmental Covenant pursuant to its authority under Section 3(b) of UECA. The mailing address of the Illinois EPA is 1021 N. Grand Avenue East, P.O. Box 19276, Springfield, IL 62794-9276.

B. AIC, its successors and assigns, is a Holder of this Environmental Covenant pursuant to UECA. The mailing address of AIC is 300 Liberty Street, Peoria, Illinois. Regardless of any future transfer of the Property, AIC shall remain a Holder of this Environmental Covenant. AIC is to be identified as both Grantee and Grantor for purposes of indexing.

4. Agencies:

The Illinois EPA and the U.S. Environmental Protection Agency ("U.S. EPA") are "Agencies" within the meaning of Section 2(2) of UECA. The Agencies have approved the environmental response project described in paragraph 5 below and may enforce this Environmental Covenant pursuant to Section 11 of UECA.

5. Environmental Response Project and Administrative Record:

A. This Environmental Covenant arises under an environmental response project as defined in Section 2(5) of UECA.

B. The Property is part of the Central Illinois Public Service Company Site ("the Site"), which the U.S. EPA, pursuant to Section 105 of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. § 9605, listed on the National Priorities List ("NPL"), set forth at 40 C.F.R. Part 300, Appendix B, in 1990 (see 55 Fed. Reg. 35502 (August 30, 1990)).

C. Investigations indicated the presence of polyaromatic hydrocarbons ("PAHs"), including benzo(a)pyrene, anthracene, and phenanthrene, as well as benzene and toluene, in soils and groundwater at the site. Various remedial actions have been performed. Ingestion and inhalation pathways were addressed with soil removal in 1987. Recovery wells were installed on the site in 1995 to contain contaminated groundwater along with a carbon treatment system to treat recovered groundwater. The groundwater recovery and treatment system along with environmental monitoring are performed pursuant to the terms and conditions of the Record of Decision ("ROD") and Consent Decree. A Memorandum of Judgment was recorded May 13, 1994 as Doc. No. 1994R3089 in the case of People of the State of Illinois v. Central Illinois Public Services Company, Case No. 93-3332.

D. In a ROD dated September 30, 1992, the Illinois EPA, in consultation with U.S. EPA, selected a plan for remediation of the site that included removing certain soils and sediments, treating groundwater, and imposing institutional controls. Those remedial actions and objectives were embodied in a Consent Decree executed by Illinois EPA, U.S. EPA, and Central Illinois Public Service Company in December 1993. Illinois EPA has been designated as the lead enforcement agency for the Site. The remedial action plan requires implementation and compliance with land and groundwater activity and use limitations at the site in order to prevent unacceptable exposures from any hazardous substances remaining at the Site.

E. AIC, in compliance with requirements set forth in the ROD and Consent Decree, is placing groundwater usage restrictions on the site ("the Property") utilizing restrictive covenants that will apply to the Property, identified by Illinois EPA Bureau of Land under Identification Number 0218160007.

F. Grantor wishes to cooperate fully with the Agencies in the implementation, operation, and maintenance of all response actions at the site.

G. The Administrative Record for the environmental response project at the Site (including the Property) is maintained at the Taylorville Public Library, 121 W. Vine Street, Taylorville, Illinois 62568. Persons may also contact FOIA Officer, 1021 N. Grand Avenue East, P.O. Box 19276, Springfield, IL 62794-9276 for the Administrative Record or other information concerning the site.

6. **Grant of Covenant. Covenant Runs With the Land:**

Grantor creates this Environmental Covenant pursuant to UECA so that the Activity and Use Limitations and associated terms and conditions set forth herein shall "run with the land" in accordance with Section 5(a) of UECA and shall be binding on Grantor, its heirs, successors and assigns, and on all present and subsequent owners, occupants, lessees or other person acquiring an interest in the Property.

7. **Activity and Use Limitations:**

The following Activity and Use Limitations apply to the Property:

A. **No Groundwater Usage** – The groundwater under the Property shall not be used as a potable supply of water;

B. **No Groundwater Wells** -- There shall be no wells installed on the property except for those approved by Illinois EPA;

C. **Handling of Contaminated Groundwater** -- Any contaminated groundwater removed from the Property shall be handled in accordance with all applicable laws and regulations and as required by the ROD and/or Consent Decree;

D. **Handling of Soils** – As part of the remediation efforts, approximately the top ten feet of soil from the environmentally impacted area has been removed and replaced with clean cover. In the event subsurface soils are removed, excavated, or disturbed from the impacted area depicted in Appendix B, such soils should be evaluated and managed in accordance with all applicable laws and regulations.

8. **Right of Access:**

Grantor consents to officers, employees, contractors, and authorized representatives of the Holders, Illinois EPA and U.S. EPA entering and having continued access at reasonable times to the Property for the following purposes:

A. Monitoring or implementing response actions in any CERCLA decision document affecting the Property or any associated work plans;

B. Verifying any data or information submitted to Illinois EPA and U.S.EPA;

C. Verifying that no action is being taken on the Property in violation of the ROD, the Consent Decree or this instrument or any federal or state environmental laws or regulations;

D. Monitoring response actions on the Property and conducting investigations relating to contamination on or near the Property, including, without limitation, sampling of air, water, sediments, soils, and obtaining split or duplicate samples;

E. Conducting periodic reviews of the remedial action, including but not limited to, reviews required by applicable statutes and/or regulations and by CERCLA;

F. Implementing additional or new response actions if the Illinois EPA, with the concurrence of U.S.EPA, pursuant to authority under applicable law, determines that such actions are necessary.

9. No Limitation of Rights or Authorities:

Nothing in this document shall limit or otherwise affect Illinois EPA's or the U.S. EPA's rights of entry and access or authority to take response actions under CERCLA, the National Contingency Plan ("NCP"), or other federal or state law.

10. Reserved Rights of Grantor:

Grantor hereby reserves unto itself, its successors, and assigns, including heirs, lessees and occupants, all rights and privileges in and to the use of the Property which are not incompatible with the activity and use limitations identified herein.

11. No Public Access and Use:

No right of access or use by the general public to any portion of the Property is intended or conveyed by this instrument.

12. Future Conveyances, Notice and Reservation:

A. Grantor agrees to include in any future instrument conveying any interest in any portion of the Property, including but not limited to deeds, leases, and mortgages, a notice and reservation which is in substantially the following form:

The interest conveyed hereby is subject to and Grantor specifically reserves the environmental covenant executed under the Uniform Environmental Covenants Act ("UECA") at 765 ILCS 122 recorded in the official property records of Christian County, Illinois on _____ as document no _____, in favor of and enforceable by grantor as a UECA holder, the Illinois Environmental Protection Agency as a UECA holder and the U.S. Environmental Protection Agency as a UECA agency.

B. Grantor agrees to provide written notice to Illinois EPA and U.S. EPA within 30 days after any conveyance of fee title to the Property or any portion of the Property. The notice shall identify the name and contact information of the new owner to the fee interest, and the portion of the Property conveyed to that owner of the fee interest.

13. <u>Enforcement and Compliance</u>:

A. Civil Action for Injunction and Equitable Relief: This Environmental Covenant may be enforced through a civil action for injunctive or other equitable relief for any violation of any term or condition of this Environmental Covenant, including violation of the Activity and Use Limitations under Paragraph 7 and denial of Right of Access under Paragraph 8. Such an action may be brought individually or jointly by:

i. the Illinois Environmental Protection Agency;
ii. the Holders of the Environmental Covenant; and
iii. the U.S. Environmental Protection Agency.

B. Other Authorities Not Affected: No Waiver of Enforcement - All remedies available hereunder shall be in addition to any and all other remedies at law or in equity, including CERCLA. Nothing in this Environmental Covenant affects U.S. EPA or Illinois EPA's authority to take or require performance of response actions to address releases or threatened releases of hazardous substances or pollutants or contaminants at or from the Property, or to enforce a consent order, consent decree or other settlement agreement entered into by U.S. EPA or Illinois EPA. Enforcement of the terms of this instrument shall be at the discretion of the Holders, the U.S. EPA and Illinois EPA and any forbearance, delay or omission to exercise its rights under this instrument in the event of a breach of any term of this instrument shall not be deemed to be a waiver by the Holders, U.S. EPA or Illinois EPA of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Holders, U.S.EPA or Illinois EPA of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Holders, U.S. EPA, or Illinois EPA.

C. Former Owners and Interest Holders Subject to Enforcement: An owner of the fee interest, or other person that holds any right, title or interest in or to the Property remains subject to enforcement with respect to any violation of this Environmental Covenant by the owner of the fee interest or other person which occurred during the time when the

owner of the fee interest or other person was bound by this Environmental Covenant regardless of whether the owner of the fee interest or other person has subsequently conveyed the fee title, or other right, title or interest, to another person.

14. Waiver of Certain Defenses:

This Environmental Covenant may not be extinguished, limited, or impaired through issuance of a tax deed, foreclosure of a tax lien, or application of the doctrine of adverse possession, prescription, abandonment, waiver, lack of enforcement, or acquiescence, or similar doctrine as set forth in Section 9 of UECA.

15. Representations and Warranties:

Grantor hereby represents and warrants to the Illinois EPA, U.S. EPA and any other signatories to this Environmental Covenant that, at the time of execution of this Environmental Covenant, that the Grantor is lawfully seized in fee simple of the Property, that the Grantor has a good and lawful right and power to sell and convey it or any interest therein, that the Property is free and clear of encumbrances, except those noted in Appendix C attached hereto, and that the Grantor will forever warrant and defend the title thereto and the quiet possession thereof. After recording this instrument, Grantor will provide a copy of this Environmental Covenant to all holders of record of the encumbrances including those entities noted on Appendix C.

16. Amendment or Termination:

Except the Illinois EPA and U.S. EPA, all Holders and other signers waive the right to consent to an amendment or termination of the Environmental Covenant. This Environmental Covenant may be amended or terminated by consent only if the amendment or termination is signed by the Illinois EPA, U.S. EPA and the current owner of the fee simple of the Property, unless waived by the Agencies. If Grantor no longer owns the Property at the time of proposed amendment or termination, Grantor waives the right to consent to an amendment or termination of the Environmental Covenant. Grantor reserves the right to modify in whole or in part the restrictions set forth in subparagraphs 7 (a)-(d), upon approval of Illinois EPA and U.S.EPA.

17. Notices:

Any notice, demand, request, consent, approval, or communication that either party desires or is required to give to the other shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Grantor:

ATTN: Manager of Real Estate Department
Ameren Services Company as authorized Agent for
Ameren Illinois Company

1901 Chouteau Avenue (MC 700)
St. Louis, Missouri 63166-6149

To Holder:

Ameren Illinois Company
ATTN: Manager of Real Estate Department
%Ameren Services Company
1901 Chouteau Avenue (MC 700)
St. Louis, Missouri 63166-6149

To U.S. EPA:

U.S. Environmental Protection Agency
Superfund Division Director
77 West Jackson Boulevard
Chicago, IL 60604

To Illinois EPA:

Illinois Environmental Protection Agency
Chief, Bureau of Land
1021 N. Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

18. Recording and Notice of Environmental Covenant, Amendments and Termination:

A. **The Original Environmental Covenant**: An Environmental Covenant must be recorded in the Office of the Recorder or Registrar of Titles of the county in which the property that is the subject of the Environmental Covenant is located. Within 30 days after the Illinois EPA and U.S. EPA (whichever is later) sign and deliver to Grantor this Environmental Covenant, the Grantor shall record this Environmental Covenant in the office of the County Recorder or Registrar of Titles for the County in which the Property is located.

B. **Termination, Amendment or Modification**: Within 30 days after Illinois EPA and U.S. EPA (whichever is later) sign and deliver to owner of the fee interest any termination, amendment or modification of this Environmental Covenant, the owner of the fee interest shall record the amendment, modification, or notice of termination of this Environmental Covenant in the office of the County Recorder or Registrar of Titles in which the Property is located.

C. **Providing Notice of Covenant, Termination, Amendment or Modification**: Within 30 days after recording this Environmental Covenant, the Grantor shall transmit a copy of the Environmental Covenant in recorded form to:

i. Illinois EPA;
ii. U.S. EPA;
iii. each person holding a recorded interest in the Property, including those interest in Appendix C;
iv. each person in possession of the Property, and
v. each political subdivision in which the Property is located.

Within 30 days after recording a termination, amendment or modification of this Environmental Covenant, the owner of the fee interest shall transmit a copy of the document in recorded form to the persons listed in items i to v above.

19. General Provisions:

A. Controlling law: The interpretation and performance of this instrument shall be governed by the laws of the State of Illinois and the United States of America.

B. Liberal Construction: Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Grantor to effect the purpose of this instrument and the policy and purpose of the environmental response project and its authorizing legislation, and CERCLA. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

C. No Forfeiture: Nothing contained herein will result in a forfeiture or reversion of AIC's title in any respect.

D. Joint Obligation: If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

E. Captions: The captions in this instrument have been inserted solely for convenience of reference and are not a part of this instrument and shall have no effect upon construction or interpretation.

20. Effective Date:

This Environmental Covenant is effective on the date of acknowledgement of the signature of the Illinois EPA and U.S. EPA, whichever is later.

Appendices:

Appendix A Legal Description of the Property

Appendix B Diagram of Impacted Soil Area

Appendix C List of Recorded Encumbrances

THE UNDERSIGNED REPRESENTATIVE OF THE GRANTOR REPRESENTS AND CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS ENVIRONMENTAL COVENANT.

IN WITNESS WHEREOF, THIS INSTRUMENT HAS BEEN EXECUTED ON THE DATES INDICATED BELOW:

FOR THE GRANTOR:

Executed this 9th day of July, 2012.

Ameren Illinois Company, d/b/a Ameren Illinois,
an Illinois Corporation

By: _____
Dennis W. Weisenborn
Its: Vice-President

STATE OF MISSOURI)
) SS
CITY OF ST. LOUIS)

On this 9th day of July 2012, before me, the undersigned, a Notary Public in and for the State of Missouri , duly commissioned and sworn, personally appeared Dennis W. Weisenborn, known to be a Vice-President of Ameren Illinois Company, d/b/a Ameren Illinois, the corporation that executed the foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that they are authorized to execute said instrument.

Witness my hand and official seal hereto affixed the day and year written above.

_____
Notary Public in and for the
State of Missouri
My Commission Expires: _____.

Nannette H. Morton - Notary Public
Notary Seal, State of
Missouri - St. Louis County
Commission #10431488
My Commission Expires 7/10/2014

FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: _____

Title: Interim Director

Illinois Environmental Protection Agency

State of Illinois)
)SS.
County of Sangamon)

This instrument was acknowledged before me on July 16, **2012, by** John Kim, ~~a delegate of~~ **the Director of the Illinois Environmental Protection Agency, a state agency, on behalf of the State of Illinois.**

Cynthia L. Wolfe
Notary Public
My Commission Expires (date)
11-17-2015

OFFICIAL SEAL
CYNTHIA L. WOLFE
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 11-17-2015

FOR THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

On behalf of the Administrator of the
United States Environmental Protection Agency

By: Richard C Karl
Richard C. Karl, Director
Superfund Division
U.S. Environmental Protection Agency, Region 5

STATE OF ILLINOIS)
) SS.
COUNTY OF COOK)

The foregoing instrument was acknowledged before me this 20th day of AUGUST, 2012, by Richard C. Karl, Director, Superfund Division, Region 5 of the United States Environmental Protection Agency.

BERTANNA M. LOUIE
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
March 15, 2014

Notary Public
My Commission Expires
3/15/2014

APPENDIX A

LEGAL DESCRIPTION OF THE PROPERTY

ALL THAT PART OF THE NORTH HALF (N.1/2.) OF THE SOUTH EAST QUARTER (S.E. ¼.) OF THE SOUTH WEST QUARTER (S.W.1/4.) OF SECTION TWENTY SEVEN (SEC. 27.), IN TOWNSHIP THIRTEEN NORTH (T.13.N.), RANGE TWO WEST (R.2.W) OF THE THIRD PRINCIPAL MERIDIAN (3RD. P. M.), CHRISTIAN COUNTY, ILLINOIS, WHICH IS DESCRIBED AS FOLLOWS: FROM THE INTERSECTION OF THE WEST LINE OF WEBSTER STREET (EXTENDED SOUTHWARDLY) IN THE CITY OF TAYLORVILLE, WITH THE NORTH LINE OF THE PUBLIC HIGHWAY WHICH EXTENDS EAST AND WEST ALONG THE SOUTH LINE OF THE ABOVE DESCRIBED HALF QUARTER QUARTER SECTION (THE SAID POINT OF INTERSECTION BEING TWENTY FIVE FEET (25') NORTH AND TWENTY THREE AND NINE TENTHS FEET (23.9') WEST OF THE SOUTH EAST CORNER (S. E. COR.) OF THE SAID HALF QUARTER QUARTER SECTION), AS THE PLACE OF BEGINNING, MEASURE WESTWARDLY, SIX HUNDRED SEVENTEEN AND SEVEN TENTHS FEET (617.7'), ALONG THE NORTH LINE OF THE SAID PUBLIC HIGHWAY, TO THE SOUTHEASTERLY LINE OF THE RIGHT OF WAY OF THE WABASH RAILROAD COMPANY; THENCE DEFLECTING ONE HUNDRED FORTY DEGREES AND TWENTY EIGHT MINUTES (140°28') TO THE RIGHT, MEASURE NORTHEASTWARDLY, THREE HUNDRED THIRTY FIVE AND TWO TENTHS FEET (335.2'), ALONG THE SAID RIGHT OF WAY LINE; THENCE DEFLECTING THIRTY NINE DEGREES AND THIRTY TWO MINUTES (39°32') TO THE RIGHT, MEASURE EASTWARDLY, THREE HUNDRED FORTY NINE AND FOUR TENTHS FEET (349.4'), ALONG A LINE WHICH IS PARALLEL WITH THE SOUTH LINE OF THE SAID HALF QUARTER QUARTER SECTION, TO THE SAID SOUTHERLY EXTENSION OF WEBSTER STREET; THENCE MEASURE SOUTHWARDLY, TWO HUNDRED FIFTEEN FEET (215'), ALONG THE SAID EXTENDED WEST LINE OF WEBSTER STREET, TO THE PLACE OF BEGINNING.
CONTAINING AN AREA OF ONE HUNDRED THREE THOUSAND NINE HUNDRED SIXTY THREE SQUARE FEET (103,963 S. F.), OR 2.3867 ACRES.

FOR:
AMEREN ILLINOIS COMPANY DBA/ AMEREN ILLINOIS
FORMERLY KNOWN AS CENTRAL ILLINOIS PUBLIC SERVICE COMPANY
1915 OLD BUS LINE ROAD
P.O. BOX 579
HILLSBORO , ILLINOIS 62049

MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-004556)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

PLAT OF SURVEY

Part of the Southeast Quarter of the Southwest Quarter of Section 27, and part of the Northeast Quarter of the Northwest Quarter of Section 34, all in Township 13 North, Range 2 West of the Third Principal Meridian, Taylorville, Christian County, Illinois, more particularly described as follows.

Beginning at the Northeast corner of the Northeast Quarter of the Northwest Quarter of said Section 34, thence South 02 degrees 45 minutes 22 seconds East, on the East line of said Northwest Quarter, a distance of 330.91 feet; thence South 88 degrees 32 minutes 43 seconds West, a distance of 360.00 feet; thence North 02 degrees 45 minutes 22 seconds West, a distance of 331.51 feet to a point on the South line of the Southeast Quarter of the Southwest Quarter of said Section 27; thence North 00 degrees 00 minutes 00 seconds East, a distance of 22.35 feet; thence South 88 degrees 38 minutes 24 seconds West, a distance of 827.31 feet to a point on the East right of way line of South Shumway Street (aka – Nokomis Road); thence North 18 degrees 11 minutes 20 seconds West, on said East right of way line, a distance of 207.00 feet to a point on the Southeasterly right of way of the Norfolk Southern Railroad; thence North 48 degrees 43 minutes 50 seconds East, on said Southeasterly right of way line, a distance of 689.41 feet to a point on the North line of the South Half of the Southeast Quarter of the Southwest Quarter of said Section 27 ; thence North 88 degrees 57 minutes 00 seconds East, on said North line, a distance of 66.07 feet; thence North 49 degrees 06 minutes 56 seconds East, on said Southeasterly right of way line, a distance of 374.67 feet; thence North 88 degrees 57 minutes 00 seconds East, a distance of 353.60 feet to a point on the West right of way line of Webster Street; thence South 01 degrees 37 minutes 36 seconds East, on said West right of way line, a distance of 215.01 feet; thence North 88 degrees 57 minutes 00 seconds East, a distance of 23.90 feet; thence South 01 degrees 20 minutes 00 seconds East, a distance of 25.00 feet; thence South 00 degrees 00 minutes 00 seconds West, a distance of 659.00 feet to the point of beginning, containing 21.28 acres, more or less.

Subject to recorded Easements and right of ways of record, if any.

G: \jobs\11223\V-PLAT.dwg, LEGAL

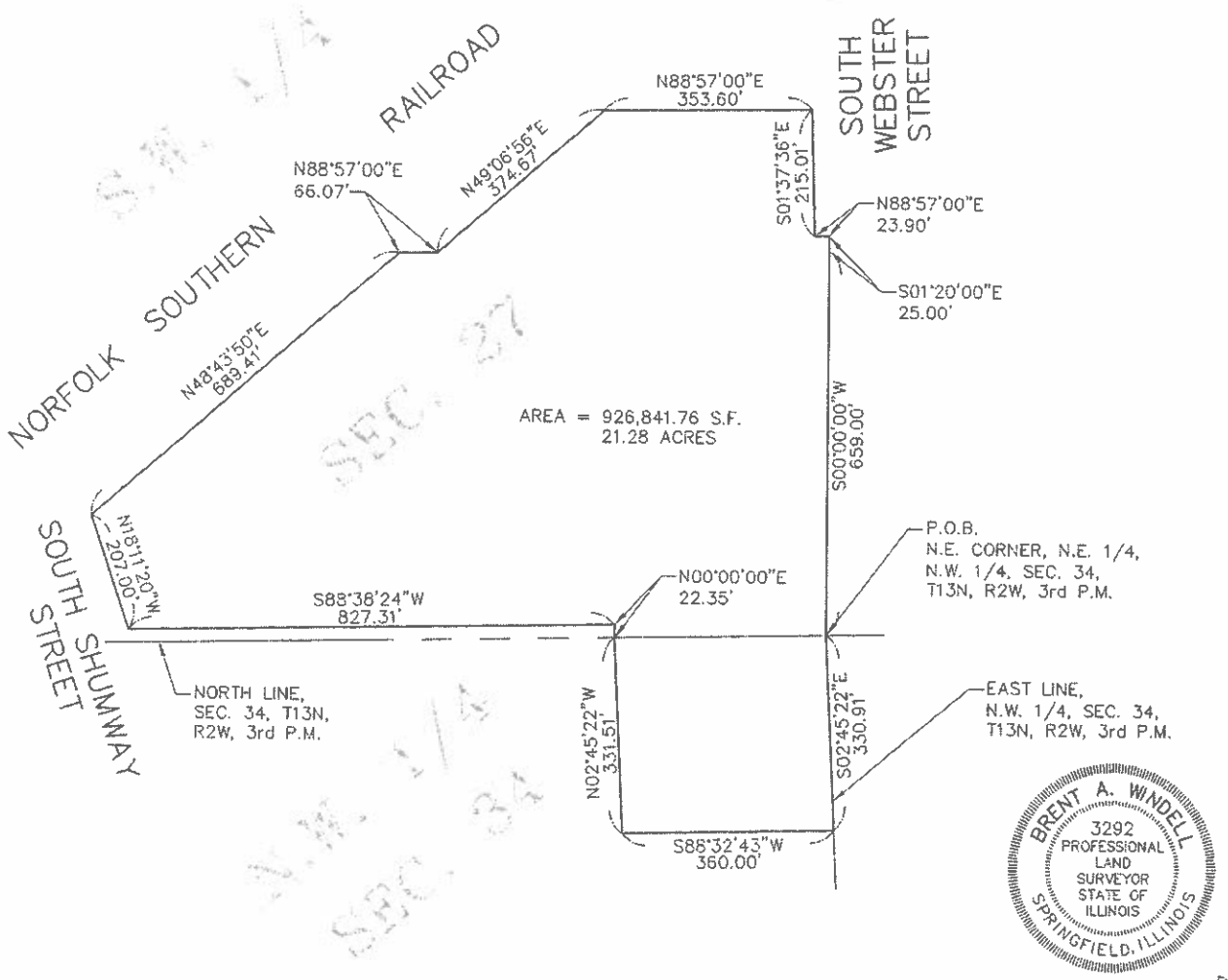
FOR: AMEREN ILLINOIS COMPANY DBA/ AMEREN ILLINOIS
FORMERLY KNOWN AS CENTRAL ILLINOIS PUBLIC SERVICE COMPANY
1915 OLD BUS LINE ROAD
P.O. BOX 579
HILLSBORO , ILLINOIS 62049

TAYLORVILLE TOWNSHIP
CHRISTIAN COUNTY, IL

PLAT OF SURVEY

(SEE SHEET 2 OF 2 SHEETS FOR LEGAL DESCRIPTION)

MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-004556)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone: (217) 698-8900, Fax: (217) 698-8922, E-Mail: mecmail@martinengineeringco.com



200' 100' 0 200'

SCALE : 1" = 200'

DATE: JANUARY 23, 2012

AREA = 926,841.76 S.F.
21.28 ACRES

LEGEND

— — — — — SECTION LINE

FIELD WORK COMPLETED JANUARY, 2012.

BASIS OF BEARING S02°45'22"E ON THE EAST LINE OF THE N.W. 1/4, SEC. 34, T13N, R2W, 3rd P.M. (ASSUMED)

NO PART OF THIS PLAT IS LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA AS IDENTIFIED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, PER MAP NUMBER 17021C0275D, (EFFECTIVE DATE: JUNE 16, 2011).

"THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY."

SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE, OR ANY OTHER FACTS WHICH AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.

I HEREBY CERTIFY THAT, IN THE MONTH OF JANUARY, 2012, I MADE A SURVEY OF THE ABOVE DESCRIBED PROPERTY AND THE FOREGOING PLAT REPRESENTS THE RESULTS OF SAID SURVEY.

BRENT A. WINDELL 3292 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SPRINGFIELD, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3292

DATE SIGNED : 1-26-2012

LICENSE EXP. DATE : NOV. 30, 2012

REVISED 1/26/2012 SHEET 1 OF 2 SHEETS

G:\jobs\11223\V-PLAT.dwg, PLAT

APPENDIX B

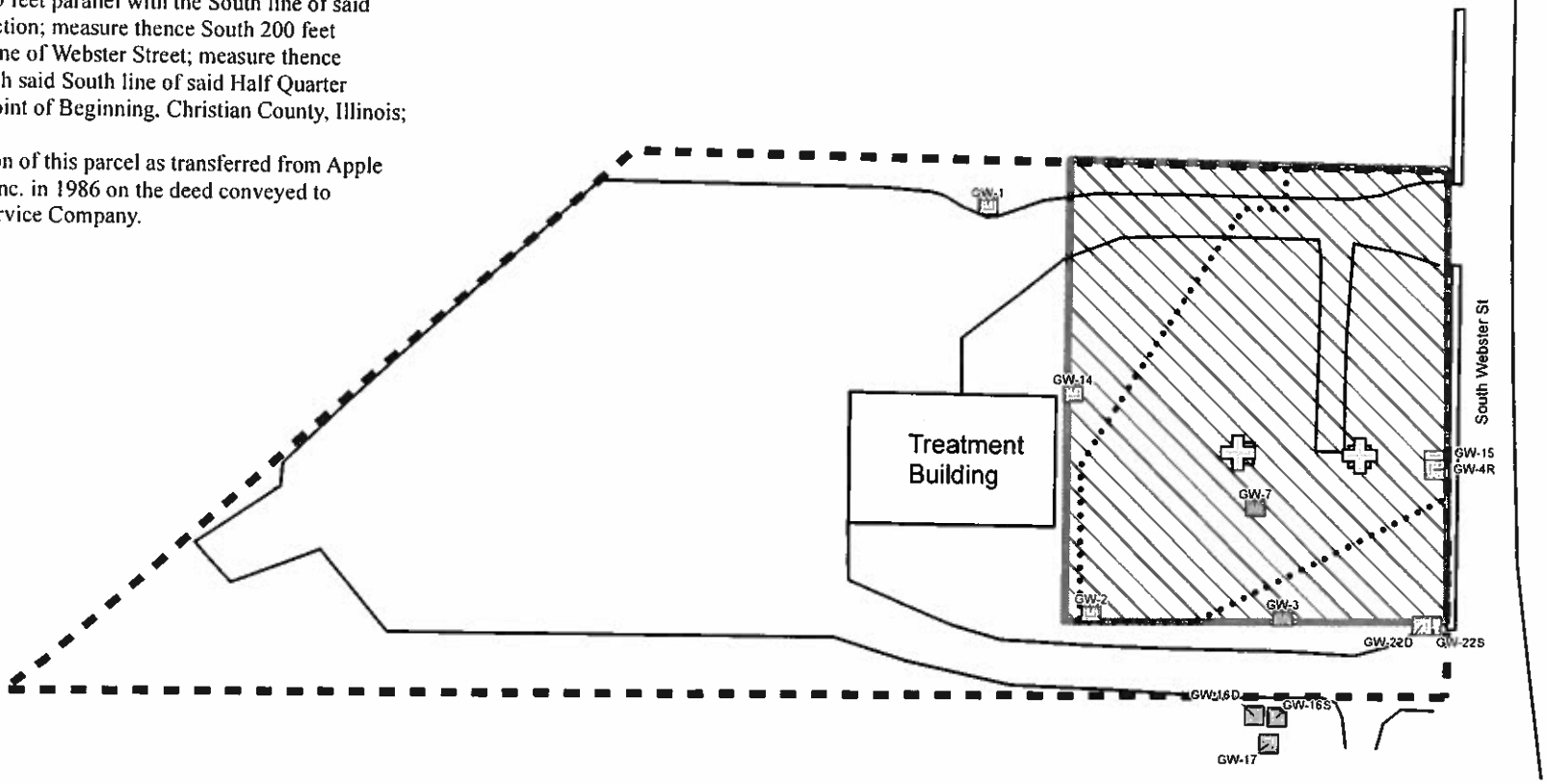
(PLACEHOLDER FOR SITE DIAGRAM AND DELINEATION OF IMPACTED SOIL AREAS)

SOIL RESTRICTION LEGAL DESCRIPTION
(Parcel ID No. 17-13-27-331-005-00):

A part of the North Half of the Southeast Quarter of the Southwest Quarter of Section 27, Township 13 North, Range 2 West of the Third Principal Meridian, more particularly described as follows:

Commencing at a point 40 feet North of and 23.9 feet West of the Southeast corner of said Half Quarter Quarter Section; measure thence North 200 feet along the Westerly line of Webster Street; measure thence West 165 feet parallel with the South line of said Half Quarter Quarter Section; measure thence South 200 feet parallel with said West line of Webster Street; measure thence East 165 feet parallel with said South line of said Half Quarter Quarter Section to the Point of Beginning. Christian County, Illinois;

Reference: The description of this parcel as transferred from Apple Contractors & Erectors, Inc. in 1986 on the deed conveyed to Central Illinois Public Service Company.



Extraction Well

Monitoring Well

Approximate 1987 Excavation Extent (10 ft Average Depth)

Former MGP Boundary and Soil Restrictions (Christian Co. Parcel ID No. 17-13-27-331-005-00)

Property Boundary and Groundwater Restrictions

N

Feet

80 0 80

APPENDIX B
Former CIPS MGP Site
Taylorville, Illinois

APPENDIX C

OWNERS FORM
CHICAGO TITLE INSURANCE COMPANY
SCHEDULE B

Policy No.: 75306-85474773

SPURLING TITLE, INC. 118 WEST MARKET STREET TAYLORVILLE, IL 62568
PHONE: 217-824-3899 FAX: 217-824-3898

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

General Exceptions:

1. Rights or claims of parties in possession not shown by the public records.
2. Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by an accurate survey and inspection of the premises.
3. Easements, or claims of easements, not shown by the public records.
4. Any lien, or right to a lien, for services, labor, or material heretofore or hereafter furnished, imposed by law and not shown by the public records.
5. Taxes or special assessments which are not shown as existing liens by the public records.

Special Exceptions: The mortgage, if any, referred to in Item 4 of Schedule A.

1. **Taxes for the years 2010 and 2011, not yet due or collectable.**

   Taxes for the year 2009 appear paid.

   17-13-27-331-005-00

   17-13-27-331-006-00

   17-13-27-300-001-00

   17-13-27-300-002-00

   17-13-27-300-003-00

Countersigned

Authorized Signatory

OWNERS FORM
CHICAGO TITLE INSURANCE COMPANY
SCHEDULE B (continued)

Policy No.: 75306-85474773

17-13-34-100-010-00

2. Rights of the public and the municipality in and to as much of the premises in question as may be used, taken or dedicated for Webster Street, (and the southerly extension thereof) and rights of public and quasi public utiltities in and to such portions.

3. Rights of way for drainage ditches, feeders, laterals, and underground tiles, if any.

4. Rights of adjoining and contiguous owners to have maintained the uninterrupted flow of any stream across the premises.

5. Judgment rendered in the United States District Court of the Central District of Illinois, Case Number 93-3332, in favor of the People of the State of Illinois against Central Illinois Public Service Company; a memorandum of which was recorded on May 13, 1994 as Doc. No. 1994R3089.

6. Indentures and supplements thereto relating to security interests in the land, including, but not limted to The Bank of New York Mellon Trust Company, N.A., including, but not limited to Supplemental Indenture recorded May 27, 2011 as Doc. No. 2011R02349.

7. Easement granted by instrument dated January 4, 1974, and recorded January 16, 1974, as Doc. No. 74-11140, made by Vida Seaman Baxter and the Taylorville Sanitary District, an Illinois municipal corporation, to construct, maintain, operate, remove and replace a permanent sewage forcemain and necessary appurtenances, over, under, across and through that part of the SE1/4 of the SE 1/4 of Secion 27, T. 13 N. R. 2 W. of 3rd P.M. lying east and adjacent to the railroad right of way; said line to be 10 feet in width with right of ingress and egress.

8. Covenants and restrictions contained in Warranty Deed dated April 1, 1987 and recorded April 1, 1987 as Doc. No. 87-20224, made by Robert W. Craggs and Sharly Craggs, husband and wife, to Central Illinois Public Service Company, relating to the use for residential purposes only, construction and living space, and no mobile homes or similar units placed on the described premises for a term of 40 years from date of deed.

9. Easement granted by instrument daed August 20, 1984, and recorded August 22, 1984, as Doc. No. 84-4460, made by Robert W. Craggs and Sharly A. Craggs, husband and wife, with Vida Seamen Baxter and Victor Baxter, wife and husband, a right of ingress and egress over an dacross 30 feet as to part of the S1/2 of the SE1/4 of the SW 1/4 of Section 27, T. 13 N. R. 2 W. of 3rd P

10. Covenants and restrictions contained in Warranty Deed dated October 25, 1984, and recorded on October 25, 1984, as Doc. No. 84-5501, made by Robert W. Craggs and Sharyl A. Craggs, husband and wife, to Timothy J. Szabo, pertaining to the use of premises for residential purposes only, ground floor area for structures to be erected, no mobile homes or moveable type residential units for a term of 40 years from date to the execution of deed.

11. Easement recorded October 26, 1987 as Doc. No. 87-23942, made by Timothy J.Szabo and

Policy No.: 75306-85474773

Trina Szabo to Central Illinois Public Service Company for installing, maintaining, removing and replacting a water transmission and distribution pipeline facility and necessary appurtenances.

12. Annexation Ordinance No. 2907 of the City of Taylorville, recorded as Doc. No. 1999R02735.

See Doc. No. 87-22972 for copy of City Ordinance No. 2255 of the City of Taylorville, being an Ordinance Authorizing Execution of Annexation Agreement.

13. Agreement dated August 21, 1987 and recorded October 27, 1987 as Doc. No. 87-24021, made by and among Central Illinois Public Service Company and Timothy Szabo, et al, (being surrounding land owners) regarding water line and appurtenant equipment for connection to municipal water service.

(See Doc. No. 87-22971 (being also Plat Book 5 Page 469) for map of proposed water main).

14. Grant of Easement recorded July 6, 1989 as Doc. No. 89-9181, made by Central Illinois Public Service Company to the City of Taylorville, for a water transmission and distribution facility.

15. Assignment of Easements and Dedication of Water Distribution Facilities recorded July 6, 1989 as Doc. No. 89-9180, made by Central Illinois Public Service Company to the City of Taylorville, for a water transmission and distribution facility.

16. Rights of public and quasi-public utilities in and to such portions, including, but not limited to the rights of the Taylorville Sanitary District in and to an unrecorded (or possibley unwritten) easement for a sewer force main, according to actual notice thereof provided by the Taylorville Sanitary District.

APPENDIX C TAYLORVILLE GROUNDWATER ORDINANCE

Run Date :5/19/2010

DLC Assignment Form

Assignment ID :7270
Subject :Taylorville\Taylorville, City of
Subject Type :Ordinance Review
DLC In Date :5/19/2010
DLC File No. :
Correspondence No. :R10051903

DLC Completed Date. :

Assigned Staff:

Rominger, Kyle	Attorney
Zuehlke, Wayne	Bureau Requestor

Project Details:
Status Issued Date: 5/19/2010 Due Date: 6/18/2010
Please review ordinance 3463 for City of Taylorville

Comments:

CITY OF TAYLORVILLE

ORDINANCE NO. 3463

AN ORDINANCE PROHIBITING THE USE OF GROUND WATER AS A POTABLE WATER SUPPLY BY THE INSTALLATION OR USE OF POTABLE WATER SUPPLY WELLS OR BY ANY OTHER METHOD

ADOPTED BY THE
CITY COUNCIL
OF THE
CITY OF TAYLORVILLE
THIS 3rd DAY OF MAY, 2010.

PUBLISHED IN PAMPHLET FORM BY AUTHORITY
OF THE CITY COUNCIL OF THE CITY OF TAYLORVILLE,
CHRISTIAN COUNTY, ILLINOIS
THIS 4th DAY OF MAY, 2010.

CITY OF TAYLORVILLE

ORDINANCE NO. 3463

AN ORDINANCE PROHIBITING THE USE OF GROUND WATER AS A POTABLE WATER SUPPLY BY THE INSTALLATION OR USE OF POTABLE WATER SUPPLY WELLS OR BY ANY OTHER METHOD

WHEREAS, certain properties in the City of Taylorville, Illinois have been used over a period of time for commercial/industrial purposes; and

WHEREAS, because of said use, concentrations of certain chemical constituents in the ground water beneath the City may exceed Class I groundwater quality standards for potable resource groundwater as set forth in 35 Illinois Administrative Code 620 or Tier 1 remediation objectives as set forth in 35 Illinois Administrative Code 742; and

WHEREAS, the City of Taylorville desires to limit potential threats to human health from groundwater contamination while facilitating the redevelopment and productive use of properties that are the source of said chemical constituents;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF TAYLORVILLE, ILLINOIS:

Section One. Use of Groundwater as a potable water supply prohibited.

Except for such uses or methods in existence before the effective date of this ordinance, the use or attempt to use as a potable water supply groundwater from within the corporate limits of the City of Taylorville, as a potable water supply, by the installation of drilling of wells or by any other method is hereby prohibited. This prohibition does not include the City of Taylorville.

Upon information and belief, the City of Taylorville believes that there are only two parcels within the corporate limits of the City of Taylorville which have wells in use for potable water. Those two parcels are located at 1324 West Franklin Street and 1504 West Park Avenue.

If a property is annexed into the City of Taylorville, has a well in use for potable water, and a City of Taylorville water main is accessible, said property owner must tap onto the City's water main within 120 days of annexation. (A City water main is accessible if it crosses the property in question).

If a property is annexed into the City of Taylorville, has a well in use for potable water, and a City of Taylorville water main is not accessible, the property owner of said property shall tap onto a City water main within 120 days of a water main becoming accessible and operational.

If a property currently within the City of Taylorville limits has an existing well in use for potable water, and the house is sold, the new property owner must tap onto a City of Taylorville water main if one is accessible within 21 days of the closing of the sale. If a City of Taylorville water main is not accessible, the owner of said property must tap onto a City water main within 120 days of a City water main becoming accessible and operational.

Section Two. Penalties.

Any person violating the provisions of this ordinance shall be subject to fine of up to $250.00 for each day for each violation.

Section Three. Definitions.

"Person" is any individual, partnership, co-partnership, firm, company, limited liability company, corporation , association, joint stock company, trust, estate, political subdivision, or any other legal entity, or their legal representatives, agents or assigns.

"Potable water" is any water used for human or domestic consumption, including, but not limited to, water used for drinking, bathing, swimming, washing dishes, or preparing foods.

Section Four. Memorandum of Understanding.

The Mayor of the City of Taylorville is hereby authorized and directed to enter into a Memorandum of Understanding with the Illinois Environmental Protection Agency ("Illinois EPA") in which the City of Taylorville assumes responsibility for tracking all sites that have received no further remediation determinations from the Illinois EPA, notifying the Illinois EPA of changes to this ordinance, and taking certain precautions when siting public potable water supply wells.

Section Five. Repealer.

All ordinances or parts of ordinances in conflict with this ordinance are hereby repealed insofar as they are in conflict with this ordinance.

Section Six. Severability.

If any provision of this ordinance or its application to any person or under any circumstances is adjudged invalid, such adjudication shall not affect the validity of the ordinance as a whole or of any portion not adjudged invalid.

Section Seven. Effective date.

This ordinance shall be in full force and effect from and after its passage, approval and publication as required by law.

Greg Brotherton

GREG BROTHERTON,
Mayor of the City of Taylorville

ATTEST:

(Municipal Seal)

Pamela J. Peabody

PAMELA J. PEABODY, City Clerk

AYES: Aldermen Burtle, Dorchinecz, Hafliger, Heberling, Lawrence, Vota, and Walters

NAYS: None

ABSENT: Alderman Jones

FILED IN THE OFFICE OF THE CITY CLERK, CITY OF TAYLORVILLE, ON THE 4th DAY OF MAY, 2010.

PUBLISHED IN PAMPHLET FORM ON MAY 4, 2010.

CERTIFICATE

STATE OF ILLINOIS)
) **SS.**
COUNTY OF CHRISTIAN)

I, PAMELA J. PEABODY, certify that I am the duly elected and acting City Clerk of the City of Taylorville, Christian County, Illinois.

I further certify that on May 3, 2010, the City Council of said City passed and approved Ordinance No. 3462 entitled **"AN ORDINANCE PROHIBITING THE USE OF GROUND WATER AS A POTABLE WATER SUPPLY BY THE INSTALLATION OR USE OF POTABLE WATER SUPPLY WELLS OR BY ANY OTHER METHOD".**

The pamphlet form of Ordinance No. 3462, including the Ordinance and cover sheet thereof was prepared, and a copy of such Ordinance was posted in the City Hall, commencing on May 4, 2010, and continuing for at least ten days thereafter. Copies of such Ordinance were also available for public inspection upon request in the Office of the City Clerk.

DATED at Taylorville, Illinois, this 4th day of May, 2010.

Pamela J. Peabody
PAMELA J. PEABODY, City Clerk

(MUNICIPAL SEAL)

MEMORANDUM OF UNDERSTANDING

BETWEEN TAYLORVILLE AND THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY REGARDING THE USE OF A LOCAL GROUNDWATER OR WATER WELL ORDINANCE AS AN ENVIRONMENTAL INSTITUTIONAL CONTROL

I. PURPOSE AND INTENT

A. This Memorandum of Understanding ("MOU") between Taylorville and Illinois Environmental Protection Agency("Illinois EPA") is entered into for the purpose of satisfying the requirements of 35 Ill. Adm. Code 742.1015 for the use of groundwater or water well ordinances as environmental institutional controls. The Illinois EPA has reviewed the groundwater or water well ordinance of Taylorville (Attachment A) and determined that the ordinance prohibits the use of groundwater for potable purposes and/or the installation and use of new potable water supply wells by private entities but does not expressly prohibit those activities by the unit of local government itself. In such cases, 35 Ill. Adm. Code 742.1015(a) provides that the unit of local government may enter into an MOU with the Illinois EPA to allow the use of the ordinance as an institutional control.

B. The intent of this Memorandum Of Understanding is to specify the responsibilities that must be assumed by the unit of local government to satisfy the requirements to MOUs as set forth at 35 Ill. Adm. Code 742.1015(i).

II. DECLARATIONS AND ASSUMPTION OF RESPONSIBILITY

In order to ensure the long-term integrity of the groundwater or water well ordinance as an environmental institutional control and that risk to human health and the environment from contamination left in place in reliance on the groundwater or water well ordinance is effectively managed, Taylorville hereby assumes the following responsibilities pursuant to 35 Ill. Adm. Code 742.1015(d)(2) and (i):

A. Taylorville will notify the Illinois EPA Bureau of Land of any proposed ordinance changes or requests for variance at least 30 days prior to the date the local government is scheduled to take action on the proposed change or request (35 Ill. Adm. Code 742.1015(i)(4));

B. Taylorville will maintain a registry of all sites within its corporate limits that have received "No Further Remediation" determinations in reliance on the ordinance from the Illinois EPA (35 Ill. Adm. Code 742.1015(i)(5));

C. Taylorville will review the registry of sites established under paragraph II. B. prior to siting public potable water supply wells within the area covered by the ordinance (35 Ill. Adm. Code 742.1015(i)(6)(A));

D. Taylorville will determine whether the potential source of potable water has been or may be affected by contamination left in place at the sites tracked and reviewed under paragraphs II. B. C. (35 Ill. Adm. Code 742.1015(i)(6)(B)); and

E. Taylorville will take action as necessary to ensure that the potential source of potable water is protected from contamination or treated before it is used as a potable water supply (35 Ill. Adm. Code 742.1015(i)(6)c).

NOTE: Notification under paragraph II. A. above or other communications concerning this MOU should be directed to:

Manager, Division of Remediation Management
Bureau of Land
Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, IL 62794-9276

III. SUPPORTING DOCUMENTATION

The following documentation is required by 35 Ill. Adm. Code 742.1015(i)(3)); and is attached to this MOU:

A. Attachment A: A copy of the groundwater or water well ordinance certified by the city clerk or other official as the current, controlling law (35 Ill. Adm. Code 742.1015(i)(2));

B. Attachment B: Identification of the legal boundaries within which the ordinance is applicable (certification by city clerk or other official that the ordinance is applicable everywhere within the corporate limits, if ordinance is not applicable throughout the entire city or village, legal description and map of area showing sufficient detail to determine where ordinance is applicable) (35 Ill. Adm. code 742.1015 (i)(2));

C. Attachment C: A statement of the authority of the unit of local government to enter into the MOU (council resolution, code of ordinances, inherent powers of mayor or other official signing MOU—attach copies) (35 Ill. Adm. Code 742.1015(i)(1)).

IN WITNESS WHEREOF, the lawful representatives of the parties have caused this MOU to be signed as follows:

FOR: City of Taylorville
(Name of City or Village)

BY: Greg Brotherton - Mayor
(Name and title of signatory)

DATE: May 4, 2010

FOR: Illinois Environmental Protection Agency

BY: _____
Manager, Division of Remediation
Management Bureau of Land

DATE: _____

APPENDIX D SITE ARARS

Site ARARs

Ameren Taylorville MGP Site

Section 121(d) of Superfund Amendments and Reauthorization Act (SARA) requires that remedial actions meet the legally "applicable or relevant and appropriate requirements" (ARARs) of other environmental laws. "Applicable requirements" are federal requirements that would be legally applicable, whether directly or as incorporated by a federally authorized state program, if the response actions were not undertaken pursuant to the CERCLA Section 104 or 106. "Relevant and appropriate requirements" are federal requirements that, while not "applicable", are designed to apply to problems sufficiently similar to those encountered at CERCLA sites that their application is appropriate. The following paragraphs address the selection of ARARs as required by SARA and the revised NCP (USEPA 1990c), within the context of USEPA's interim guidance on compliance with ARARs (USEPA 1988a and USEPA 1989d).

During the scoping phases at this Site, multiple ARARs were considered for the potential activities and media that might be relevant at the Site. These included RCRA requirements for groundwater, the Clean Water Act NPDES and wetlands protection, the Clean Air Act NAAQS requirements for air, flood plain protection requirements for surface water, the National Historic Preservation Act's protections for soil, and the Clean Air Act's PSD requirements for air, among others. These were presented in the initial 1991 FS for the Site in the FS's Table D-2 and referenced to in the 1992 ROD. As more was learned about the Site and offsite areas, and issues addressed at the Site, some of the potential ARARs listed in the 1991 FS were no longer applicable and/or are needed for this Site:

- Soil - As stated in the May 1992 Risk Assessment and Feasibility Study Update to the 1991 FS for the Site, in general, there are no ARARs for compounds associated with coal tars in soil. The report stated that the majority of the source material had already been removed and disposed of offsite. And residual material remaining below the groundwater table was and is being addressed with the remediation of groundwater. Therefore, as presented in the 1991 FS, there are no ARARs needed for soil at this Site.
- Offsite Surface Water, Sediment, Wetlands, and Groundwater - There are no surface water bodies at the Site and no wetlands; therefore, there are no surface water, sediment, or wetland ARARs applicable or appropriate for this Site. The inclusion of these ARARs in the 1991 FS was due to uncertainty of potential impacts to offsite areas. For offsite areas, sediment was excavated from the drainage ditch in the area immediately downgradient of the Site in 1986 which leads into a stream that flows to Seaman Estates Pond. Multiple subsequent investigations were conducted from 1993 to 2018 in the areas downgradient to this excavation area including the stream leading to Seaman Estates Pond and the Pond itself. These downgradient investigations have included groundwater, surface water, sediment, and/or fish tissue sampling. Groundwater sampling results indicated that concentrations of PAHs and pesticides were sporadic and showed no apparent trends. In addition, residences in the area were connected to a municipal water system and there is a city-wide ordinance prohibiting the extraction of potable groundwater at properties in the area of the Site. Sediment and fish tissue sampling did not indicate exceedances of MGP-related COCs. Surface water sampling last occurred in 2018. The concentrations of PAHs in surface water within the pond were below the practical quantitation limits and met the State of Illinois surface water discharge limits. Therefore, for this Site, there are no ARARs needed for sediment or surface water for offsite areas. Offsite groundwater continues to be sampled as a component of the monitoring program for the P&T system at the Site and ARARs associated with the handling and disposal of extracted groundwater will be applicable to the Site, including offsite groundwater sampling.
- Air - There are no air emissions at the Site and the residual impacts are in the subsurface. In addition, there is an environmental covenant on the property which restricts the disturbance of the soil at the Site. If soil disturbance were to occur, the environmental covenant requires handling of the soil to comply with existing laws during that activity, which will include laws regarding emission

of dust from construction activities. Therefore, there are no ARARs appliable or appropriate to air at the Site.

- RCRA - RCRA administrative requirements do not apply to onsite CERCLA activities under the NCP, as outlined in CFR Title 40, Section 300.5.

The 1991 FS reported that the IEPA included “to be considered” (TBC) criteria where ARARs did not exist or were not sufficiently protective. IEPA determined that the 1991 provisional groundwater standards were TBCs for the Site; these were listed in the Illinois Administrative Code (IAC), Title 35, Subtitle C. These values have been promulgated by IEPA since the 1991 FS and could now be considered ARARs (standards) for the Site. The action-specific and location-specific requirements for groundwater that were considered as potential ARARs for the Site were presented in Table D-2 of the 1991 FS.

Only those state standards that are identified by a state in a timely manner and that are more stringent than federal requirements may be applicable. No state standards other than those in the 1992 ROD and 2005 Explanation of Significant Differences have been set for the Site. ERM understands that IEPA is considering modifying the ARARs for the Site to those that would be currently applicable to the Site. This is not uncommon as potential ARARs may be adjusted from those set in the scoping phases at a Site as more information is known about the Site. Significant investigation and remedial activities have occurred to allow for the determination of the Site activities and media to be considered since the 1992 ROD set the ARARs for the Site. Based on remedial efforts to date, groundwater is the only remaining media of concern. Therefore, the 1991 potential ARARs will be reduced to those that remain applicable to groundwater. Potential 1992 ROD ARARs that may apply to the current remedy include the following:

- Federal Water Pollution Control Act (33 USC 1251)
- Safe Drinking Water Act (42 USC 300 (f))
- USEPA National Pollutant Discharge Elimination System (NPDES) Permit Regulations (40 CFR Part 122)
- USEPA Procedures for Approving State Water Quality Standards (40 CFR 131)
- USEPA Test Procedures for the Analysis of Water Pollutants (40 CFR part 136.1-136.4)
- Illinois Groundwater Protection Act of 1990
- IEPA Groundwater Quality Standards

Although the National Primary Drinking Water Regulations (NPDWR) was also listed in the 1992 ROD as possibly applicable to the Site for the protection of drinking water, the NPDWR is applicable to public water supply systems. As the Site has now been investigated, it is known that no public water supply systems are potentially impacted and that NPDWR is not applicable to the Site.

As part of the discussions with IEPA regarding an alternative approach at the Site, IEPA requested an update of the ARARs be conducted to take into account the remaining media to be addressed at the Site, the planned remedy, and changes in regulations since 1992. Currently, the IEPA Groundwater Quality Standards for the Site are set by the 1992 ROD as those from the 1991 Proposed Amendment IAC Title 35, Subtitle C. IEPA has requested that Ameren utilize the more recent IEPA Part 620 standards as comparative criteria for the upcoming remedy. Additional ARARs are also proposed at IEPA’s request for various aspects of the planned alternative remedy including waste disposal, discharge requirements, backfill material, and well installation.

The Proposed ARARs are presented below in Tables D-1 and D-2.

Table D-1. Long-Term Groundwater ARARs

Media/Action	Requirement	Prerequisite	Citation
Land Use and Institutional Controls – Action-specific ARAR	The purpose of an environmental covenant is to ensure that land use restrictions and engineering controls will be recorded in the land records and enforced (perpetually if necessary) while allowing property to be conveyed from one party to another while subject to those controls.	Applicable to all media and waste while levels exceed acceptable risk. May also be applicable to other areas of the site if residual contamination remains onsite at levels that do not allow for unlimited use and unrestricted exposure after cleanup – To Be Considered (TBC)	765 ILCS 122: Illinois Uniform Environmental Covenants Act (UECA)
Groundwater – Action-specific ARAR	Regulations for establishment of Groundwater Management Zones (GMZs) and alternative Groundwater Quality Standards. Presents requirements for establishment and evaluation of GMZs while groundwater standards are not being met. The Agency may allow alternative standards following corrective action that are equal to existing contaminant concentrations.	The purpose of a GMZ is to manage groundwater while mitigating impairment caused by the release of contaminants from a site. A GMZ would be established and maintained until groundwater standards are met. Prerequisite to obtaining alternative standards if ISS does not function as intended. – Potentially Applicable	IAC Title 35, Part 620.250, and 620.450(a),
Waste Disposal / Containment – Action-specific ARAR	Provides criteria for handling and disposal of waste generated during any part of the remediation.	Remediation activities will be conducted in accordance with hazardous waste operations and emergency response regulations and wastes generated from the Site will be evaluated to meet disposal criteria as applicable. - Relevant and Appropriate.	29 CFR 1926.65 Title 35 Part 722.111
Groundwater – Chemical-specific ARAR	No person shall cause, threaten or allow a groundwater quality standard to be exceeded. Establishes groundwater quality standards for Class I groundwater, as well as reclassification of groundwater to an adjusted standard by the Illinois Pollution Control Board.	Class I groundwater remediation objectives establish standards equivalent to federal Safe Drinking Water Act Maximum Contaminant Levels- Applicable	IAC Title 35, Part 620.210; 620.405; 620.410;
Groundwater – Chemical-specific ARAR	Applies to the reclassification of groundwater using adjusted standards.	Applies to the situation and methods of adjusting groundwater standards- Applicable	IAC Title 35, Part 620.260

Table D-2. Short-Term Remediation ARARs

Media/Action	Requirement	Prerequisite	Citation
General Construction – Action-specific ARAR	Establishes procedures to determine the presence of nuisance odor.	Odors will need to be controlled if construction causes odors to reach nuisance levels-Applicable	IAC Title 35 Part 245.100 and 245.121
General Construction – Action-specific ARAR	Regulates emission of fugitive particulate matter from any process, including any material handling or storage activity.	Dust and particulate matter from construction and transit become fugitive when lifted into the air by equipment and truck use, soil disturbances, site, and equipment maintenance-Applicable	35 Ill. Adm. Code 212.306 and 212.315 Federal Analogue: 42 U.S.C. §7403; 40 CFR 50 Appendix B
General Construction – Action-specific ARAR	Prohibits the emission of sound beyond the property boundaries, to avoid noise pollution.	Noise levels will need to be controlled if construction noise reaches nuisance levels-Applicable	IAC Title 35, Part 900.102 Federal Analogue: Title 42 Clean Air Act Title IV Section 7641
General Construction – Action-specific ARAR	This regulation prescribes the requirements for shipments and packaging used for the transportation of hazardous materials in Illinois.	Establishes the requirements for shipments and packaging used for the transportation of hazardous materials. - Applicable	IAC Title 35 Part 722.130, 722.131, 722.183, and 722.184. Federal Analogue: 40 CFR Subpart A – General § 260.2
General Construction – Action-specific ARAR	OSHA regulations for workers involved both in general construction and hazardous waste operations.	Regulations are required for potentially hazardous work-Applicable	29 CFR 1910 and 29 CFR 1926
Groundwater – Action-specific ARAR	Provides the authority for the Illinois NPDES for Storm Water Discharges from Construction Sites, and General Permit ILR10. Requires the development and implementation of a stormwater pollution prevention plan. Outlines monitoring and inspection requirement for a variety of activities.	Applicable to runoff from construction activities that disturb more than 1 acre of land. Substantive requirements of NPDES Permit No. ILR10 General Permit for Stormwater Discharges from Construction Site Activities would be met. Potentially Applicable dependent upon scale of construction- Applicable	IAC Title 35, Section 403.102 Federal Analogue: 40 CFR Parts 121 State Certification
Waste Disposal / Containment – Chemical-specific ARAR	Determines the process for management of hazardous waste after extraction and/or generation	Relevant for disposal of any waste generated from the remediation of an MGP site-Applicable	415 ILCS 22.40(a), 35 IAC 721.124 and 722.111*
Groundwater – Location-specific ARAR	Potential ARAR for the design, construction, installation, abandonment, and documentation of groundwater monitoring wells	Potentially applicable if construction of new wells is required for the remedy or any future step-Applicable	415 ILCS 30, Section 4, section 6, and section 9. IAC Title 77 Part 920.170 Federal Analogue: 40 CFR § 265.91 Groundwater Monitoring Systems.

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