

# Five-Year Review Report

EPA Region 5 Records Ctr.



329554

## Third Five-Year Review Report

### CENTRAL ILLINOIS PUBLIC SERVICE COMPANY SITE TAYLORVILLE, ILLINOIS

June 2009

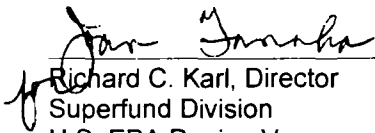
**PREPARED BY:**

U.S. Environmental Protection Agency  
Region V

Chicago, Illinois

Approved by:

Date:

  
Richard C. Karl, Director  
Superfund Division  
U.S. EPA Region V

6/15/09

# Five-Year Review Report

## Table of Contents

List of Acronyms  
Executive Summary  
Five-Year Review Summary Forms

<b>I.</b>	<b>Introduction.....</b>	<b>1</b>
<b>II.</b>	<b>Site Chronology.....</b>	<b>2</b>
<b>III.</b>	<b>Background .....</b>	<b>3</b>
<b>A.</b>	<b>Physical Characteristics .....</b>	<b>3</b>
<b>B.</b>	<b>History of Contamination.....</b>	<b>3</b>
<b>C.</b>	<b>Initial Response .....</b>	<b>3</b>
<b>D.</b>	<b>Basis for Taking Action .....</b>	<b>4</b>
<b>IV.</b>	<b>Remedial Actions .....</b>	<b>4</b>
<b>A.</b>	<b>Remedy Selection .....</b>	<b>4</b>
<b>B.</b>	<b>Remedy Implementation .....</b>	<b>6</b>
<b>C.</b>	<b>Institutional Controls.....</b>	<b>8</b>
<b>D.</b>	<b>System Operation/Operation and Maintenance .....</b>	<b>9</b>
<b>V.</b>	<b>Progress since the last Five-Year Review .....</b>	<b>10</b>
<b>VI.</b>	<b>Five-Year Review Process .....</b>	<b>11</b>
<b>A.</b>	<b>Administrative Components .....</b>	<b>11</b>
<b>B.</b>	<b>Community Involvement.....</b>	<b>11</b>
<b>C.</b>	<b>Document Review.....</b>	<b>11</b>
<b>D.</b>	<b>Data Review .....</b>	<b>12</b>
<b>E.</b>	<b>Site Inspection .....</b>	<b>13</b>
<b>F.</b>	<b>Risk Assessment Review .....</b>	<b>13</b>
<b>VII.</b>	<b>Technical Assessment .....</b>	<b>14</b>
<b>VIII.</b>	<b>Issues .....</b>	<b>15</b>
<b>IX.</b>	<b>Recommendations .....</b>	<b>15</b>
<b>X.</b>	<b>Protectiveness Statement.....</b>	<b>16</b>
<b>XI.</b>	<b>Next Review .....</b>	<b>16</b>

### List of Tables

Table 1      Groundwater Monitoring Data (CIPS property Monitoring Wells)  
Table 2      Groundwater Monitoring Data (other Monitoring Wells)

### List of Figures

Figure 1      Ameren CIPS Site, Taylorville, Illinois  
Figure 2      Monitoring Well Locations

Attachment:   Institutional Controls

## **List of Acronyms**

ARAR	Applicable or Relevant and Appropriate Requirement
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COC	Contaminants of Concern
IAC	Illinois Administrative Code
ICs	Institutional Controls
IEPA	Illinois Environmental Protection Agency
MCL	Maximum Contaminant Level
NCP	National Priorities List
RA	Remedial Action
RCRA	Resources Conservation and Recovery Act
RD	Remedial Design
ROD	Record of Decision
SVOC	Semi-Volatile Organic Compound
USEPA	United States Environmental Protection Agency
UECA	Uniform Environmental Covenants Act
VOC	Volatile Organic Compound

## **Executive Summary**

The Immediate Removal Action for Ameren CIPS Site in Taylorville, Illinois included excavation of approximately 12,000 cubic yards of contaminated soil which was completed in January, 1987. A permanent alternative water supply was provided to approximately 20 residences in October, 1987, along with plugging and abandonment of the associated private drinking water wells. Monitoring of groundwater, surface water, pond sediment and fish downstream of the CIPS property was conducted for a remedial investigation and feasibility study.

The final remedy to address remaining principal threat included the construction of a pump and treat system; and operation and maintenance of the system until groundwater cleanup objectives are met. Ameren CIPS constructed a Groundwater Pump and Treat Plant, which was completed in February 1995. The monitoring program for untreated groundwater and treatment system effluent was expanded to supplement current monitoring efforts. Access restrictions and Institutional Controls were placed on the site which included an agreement for easements and covenants restricting groundwater use on properties South of the CIPS facility.

The remedy is protective of human health and the environment in the short-term because the excavation and site fencing effectively restricts any surface soil exposures while the pump and treat facility, in conjunction with the municipal water line limits exposure to any contaminated groundwater. However, in order for the remedy to be protective in the long-term the following actions need to be taken; compliance with effective ICs, which includes compliance with the agreement for easements of an appropriate environmental covenant pursuant to UECA on the CIPS property and conducting additional IC evaluation activities and implementing additional ICs pursuant to the UECA. The site remedy components, including ICs, must be maintained, monitored and enforced to ensure long-term protectiveness.

## Five-Year Review Summary Form

SITE IDENTIFICATION		
Site name (from WasteLAN): Central Illinois Public Service Company Site, Taylorville, Illinois		
EPA ID (from WasteLAN): ILD981781065		
Region: 5	State: IL	City/County: Taylorville/Christian County
SITE STATUS		
NPL status: Final		
Remediation status (choose all that apply): Operating		
Multiple OUs? No	Construction completion date: February 1995	
Has site been put into reuse? No		
REVIEW STATUS		
Lead agency: Illinois EPA		
Author name: Nan Gowda		
Author Title: Remedial Project Manager	Author affiliation: U.S. EPA	
Review period: 08/14/2008 to 04/30/2009		
Date(s) of site inspection: 09/30/2008		
Type of review: Post-SARA		
Review number: 3 (Third Five-Year Review)		
Triggering action: Previous Five-Year Review Report		
Triggering action date (from WasteLAN): 06/15/2004		
Due date (five years after triggering action date): 06/15/2009		

## **Five-Year Review Summary Form, cont'd.**

### **Issues:**

There is one issue relative to ICs for the Ameren CIPS Site that may affect long-term protectiveness which is summarized below. However, although the pump and treat system is performing as envisioned within the ROD and facility design documents, groundwater monitoring data indicates that clean-up objectives have not yet been met throughout the aquifer. The following issue was identified for the Site during this Five-Year Review: Effective ICs must be implemented, monitored, maintained, and enforced to assure that the remedy is functioning as intended with regard to the ICs. Conducting additional IC activities is required to ensure that effective ICs are in place and ensuring long-term protectiveness of the ICs. To that end, long-term stewardship needs to be assured for the Site.

### **Recommendations:**

In order to meet the requirements set forth within the ROD and remain protective of human health and the environment, the pump and treat system must continue its current operation. However, in accordance with the 2005 ESD, Ameren CIPS could continue the pilot study on the alternate treatment method in its attempt to reduce or eliminate the length of operation time of the current groundwater pump and treat system. UECA Environmental covenants should be recorded on the CIPS property, and mapping and title work conducted on all affected properties to ensure that appropriate ICs have been recorded where needed, that the proper signatories have signed the instruments, and that recorded encumbrances will not interfere with the restrictions.

### **Protectiveness Statement(s):**

The remedy is protective of human health and the environment in the short-term because the excavation and site fencing effectively restricts any surface soil exposures while the pump and treat facility, in conjunction with the municipal water line limits exposure to any contaminated groundwater. However, in order for the remedy to be protective in the long-term the following actions need to be taken; compliance with effective ICs, which includes compliance with the agreement for easements of an appropriate environmental covenant pursuant to UECA on the CIPS property and conducting additional IC evaluation activities and implementing additional ICs pursuant to the UECA. The site remedy components, including ICs, must be maintained, monitored and enforced to ensure long-term protectiveness.

**Central Illinois Public Service Company Site  
Taylorville, Illinois  
Third Five-Year Review Report**

**I. Introduction**

The purpose of the five-year review is to determine whether the remedy at a site is protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in Five-Year Review reports. In addition, five-year review reports identify deficiencies found during the review, if any, and identify recommendations to address them.

The United States Environmental Protection Agency (U.S. EPA), in consultation with the Illinois Environmental Protection Agency ("Illinois EPA") has prepared this Five-Year Review report pursuant to CERCLA §121 and the National Contingency Plan (NCP). CERCLA §121 states:

*If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section [104] or [106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews.*

The U.S. EPA interpreted this requirement further in the NCP; 40 CFR §300.430(f)(4)(ii) states:

*If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after the initiation of the selected remedial action.*

The U.S. EPA, in consultation with the Illinois EPA, conducted the third five year review of the remedy implemented at the Central Illinois Public Service Company Site ("Ameren CIPS Site") in Taylorville, Illinois. This review was conducted by Nan Gowda, Remedial Project Manager, U.S. EPA and Erin Rednour, Remedial Project Manager, Illinois EPA for the entire site on September 30, 2008. This report documents the results of the review.

This is the third five-year review for the Ameren CIPS Site. The triggering action for this statutory review is June 15, 2004, which is the signature date of the Second Five-Year Review Report. The five-year review is required because hazardous substances, pollutants, or

contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure.

## II. Site Chronology

<b>Chronology of Site Events</b>	
<b>Event</b>	<b>Date</b>
Manufactured Gas Plant operated at site.	1883-1932
Plant closed, most of above ground structures removed, below ground structures filled with debris and left in place.	1932
Contamination discovered by septic tank contractor. Ameren CIPS notified Illinois EPA of contamination and began on site investigation.	10/1985
Soil borings conducted and contamination confirmed onsite and in drainage swale to the south.	11/1985 - 09/1986
Phase I Site Investigation Report	03/1986
Sediment and surface water sampling conducted.	04/1986 - 09/1986
Domestic well sampling conducted.	08/1986
Groundwater monitoring wells installed. Concentrations of total PAHs of up to 8,676 ppb detected in on site wells.	11/1985 - 08/1986
Notice pursuant to Section 4(q) of the Environmental Protection Act issued by Illinois EPA.	07/1986
Phase II Site Investigation Report	12/1986
Ameren CIPS began immediate removal.	1/19/1987
Excavation complete.	03/1987
Water main to provide water to five area residents on well water completed.	10/1987
Site Proposed of National Priorities List (NPL)	06/24/1988
Fencing to enclose CIPS property completed.	12/1988
Site finalized for NPL	08/30/1990
Risk Assessment and Feasibility Study Update (Addendum 5 to the Phase II Site Investigation Report)	05/1991
Record of Decision signed by Illinois EPA	09/30/1992
Signature of Remedial Design/Remedial Action Consent Decree	03/1994
Completion of Groundwater Pump and Treat System	02/1995
Preliminary Close Out Report	09/6/1995
First Five-Year Report	3/31/1999
Second Five-Year Report	6/15/2004
Explanation of Significant Difference signed by Illinois EPA	09/06/2005

### **III. Background**

#### **A. Physical Characteristics**

The Ameren CIPS property is located in Christian County at 917 South Webster Street in Taylorville, Illinois and is slightly less than one acre in size. That property is bordered on the north by typical residential block arrangements. On the south, it is bounded by Seaman Estates subdivision which consists of eight large wooded tracts with several single family residences. All of the tracts surround Seaman Estates Pond which is also directly south of the CIPS property. To the east is Manners Park which is the City's main multi-use facility. The site is bounded immediately on the west by the Ameren CIPS pole yard and railroad tracks. Figure 1 displays the site's location. Figure 2 exhibits the site's layout.

#### **B. History of Contamination**

A Manufactured Gas Plant operated on the CIPS property from 1883 to 1932. In 1932, the plant closed and most of the above-ground structures were torn down while the below-ground tanks were apparently filled with debris and left in place. Contamination was discovered at the site by a septic tank contractor on October 20, 1985. Ameren CIPS notified the Illinois EPA and the company began an on-site investigation. The contaminants on-site were identified as coal tar and its constituents. Coal tar is a byproduct of the coal gasification process and is comprised mainly of polynuclear aromatic hydrocarbons (PAHs) such as naphthalene and benzo(a)anthracene as well as volatile organic compounds (VOCs) such as benzene and toluene.

The site is underlain by a largely unconfined aquifer, which moves from a northeast to southwest direction through fairly well sorted sand and gravel. This sand and gravel aquifer extends to approximately ninety (90) feet below ground surface where it is underlain by bedrock comprised of limestone and dolomite. The uppermost geologic unit is loess, a wind blown material, which ranges from 5 to 10 feet in depth. The loess consists of very fine sand, silt and clay that allow recharge of the aquifer from the surface. The water table beneath the site is approximately 15 feet below ground surface.

#### **C. Initial Response**

In response to a notice issued by Illinois EPA under Section 4(q) of the Illinois Environmental Protection Act, Ameren CIPS began an Immediate Removal Action at the site on January 19, 1987. Above and below-ground structures associated with the gas plant were removed. Contaminated soil at the CIPS property was removed to an average of ten feet below ground surface. Approximately 9,000 cubic yards of contaminated soil was removed and transported to Peoria Disposal Company Landfill for disposal. Additionally, an area of approximately 600 feet by 50 feet was excavated from the drainage swale running towards the Seaman Estate Pond. The depth of this excavation averaged about three feet. A total of 3,000 cubic yards was excavated from the drainage swale and transported to Peoria Disposal Company

Landfill for disposal. The excavation was completed in March of 1987. The excavations were filled with clean soils from off-site.

The purpose of the removal action was to remove the source material, which posed a principal threat to human health and the environment. Twenty soil borings were conducted at locations surrounding the CIPS facility. None of the samples taken from the borings immediately surrounding the CIPS property had detectable levels of PAHs. Field scientist's observations confirmed the expectation that, with the exception of sediments south of the site, off-site soils were not impacted because surface drainage flowed onto the site from the east, west and northerly directions.

As part of the removal action, Ameren CIPS also extended a water main to five properties south of the CIPS property in order to provide homeowners with municipal potable water and remove those residents from private well water. The water main loop was completed in October 1987. In December of 1988, Ameren CIPS extended the fence surrounding its property to adjacent properties to the south to further restrict access to the site.

#### **D. Basis for Taking Action**

The Phase I and Phase II Site Investigations conducted in 1986 concluded that soil at the CIPS property and sediment downgradient from that property were contaminated with Polynuclear Aromatic Hydrocarbons (PAHs). In addition, groundwater at the site was contaminated with PAH and Volatile Organic Compounds (VOCs).

The contaminants of concern identified in the groundwater include total PAHs (8676 µg/L), Benzene (4,500 µg/L), Toluene (7,000 µg/L), Ethyl Benzene (680 µg/L), and total Xylenes (5,000 µg/L).

The ROD stated that the site posed an unacceptable risk to human health principally through ingestion and dermal contact with on-site groundwater. The ROD concluded that actual or threatened releases of hazardous substances from the site, if not addressed by implementing the selected response action, may present an imminent and substantial endangerment to public health, welfare, or the environment.

### **IV. Remedial Actions**

#### **A. Remedy Selection**

Illinois EPA issued a Record of Decision (ROD) in September 30, 1992, to address groundwater contamination at the Ameren CIPS Site. As noted within the decision summary of the ROD, the source remedial component of the selected remedy had already been implemented by the responsible party under the direction of Illinois EPA. This work consisted of removing grossly contaminated soils down to the water table on the former gas plant property as well as highly contaminated sediments in the drainage swale serving the site, disposing these

contaminated materials in a permitted off-site landfill, and backfilling and regrading of excavation areas with clean off-site soils, followed by application of a surface gravel course or revegetation, as appropriate. This source control action to eliminate a portion of potential human health risks and minimize groundwater problems was accompanied by provision of public water to downgradient residents, implementation of a groundwater and surface water/pond monitoring program, and completion of a remedial investigation and feasibility study for the site.

The selected remedy includes a groundwater component that addressed the remaining principal threat posed by groundwater contamination through an active treatment program. The major components of the remedy include:

- Construction of an on-site groundwater pump and treat system, and operation and maintenance of the system until Agency cleanup objectives are met;
- Expansion of the monitoring program for untreated groundwater and treatment system effluent, to supplement current monitoring efforts; and,
- Complete fencing (with signs) at the site, and land use and deed restrictions, to the extent possible, for the site and affected areas.

The remedial action objectives for the Ameren CIPS Site are to treat the site-related constituents contained in the groundwater to applicable ARARs to protect future hypothetical residential users of this groundwater. Residual subsurface site related constituents should be prevented from migrating off site. Access to the site and performance of intrusive work on the CIPS property should be restricted. By accomplishing this specific objective, the general objective to mitigate the endangerment to the public health, welfare, and the environment is accomplished.

On September 6, 2005, the Illinois EPA issued an Explanation of Significant Differences (ESD). The following are the significant changes to the 1992 ROD:

- Allow Ameren CIPS to conduct a pilot study on an alternate treatment method in an attempt to reduce or eliminate the length of operation time of the current groundwater pump and treat system;
- Revise the clean-up objective for benzo(a)pyrene, as a new Maximum Contaminant Level (MCL) has been recently established for this constituent; and,
- Update the clean-up objectives related to surface water quality standards for the other contaminants of concern based on new toxicity information.

ARARs identified within the 1992 ROD are listed below:

- National Oil and Hazardous Substances Pollution Contingency Plan at Title 40, Code of Federal Regulations (CFR) Part 300.

- Safe Drinking Water Act (SDWA) National Primary Drinking Water Standards at 40 CFR 141.
- Clean Water Act (CWA) Ambient Water Quality Criteria at 40 CFR 122 and National Pollutant Discharge and Elimination System ("NPDES") requirements at 40 CFR 125.
- Illinois Environmental Protection Act at 415 ILCS 5/1 et seq.
- Illinois Groundwater Quality Standards at Title 35 Illinois Administrative Code (IAC) Subtitle F and Surface water Quality Standards at 35 IAC Subtitle C.
- Clean Air Act (CAA) National Ambient Air Quality Standards at 40 CFR 50 and National Emission Standards for Hazardous Air Pollutants at 40 CFR 61.
- Resource Conservation and Recovery Act (RCRA) definition and identification of hazardous wastes at 40 CFR 261 and 35 IAC 721.
- RCRA requirements for generators and transporters of hazardous wastes at 35 IAC 722 and 723 and RCRA requirements for owners and operators of hazardous waste treatment, storage and disposal facilities at 35 IAC 724.
- Air Pollution Prevention requirements at IAC Subtitle B.
- Occupational Safety and Health Administrative ("OSHA") regulations governing health and safety for workers involved in hazardous waste operations at 29 CFR 1910.120 and general construction regulations at 29 CFR 1926.
- The 1989 Groundwater Pump and Treat System Basis of Design Report also identified criteria "to be considered" within the remedial action. The To Be Considered Criteria (TBC) include the following: The SDWA's proposed MCLs and final and proposed goals (MCLGs) at 40 CFR 141; and,
- Risk derived levels for drinking water or discharge exposures for contaminants with no ARARs or TBCs.

## **B. Remedy Implementation**

In the March 1994 Consent Decree signed with the Illinois EPA, Ameren CIPS agreed to conduct the RD/RA for the Ameren CIPS Site. In general, remedial activities were conducted as planned. The groundwater pump and treat system was completed in February 1995.

The remedial action at the site continues to comply with the narrative and numeric requirements within the NCP, OSHA and the Illinois Environmental Protection Act, and these ARARs continue to remain protective.

The pump and treat facility was designed and continues to be operated in accordance with RCRA ARARs. Contaminated filter media, and personal protective equipment continue to be analyzed, shipped and disposed of in accordance with RCRA and State solid waste regulations. Spent carbon taken from the carbon treatment columns from within the facility is taken off-site by the service contractor for re-generation, and re-use at the Ameren CIPS facility.

No changes have occurred at the Federal level to the CAA or at the State level within 35 IAC 620 Subtitle B that call into question the protectiveness of the remedy.

The remedy has remained in compliance with the CWA as well as the State's surface water regulations. Surface water numerical standards will be utilized to monitor the remedial action in the future. In addition to the requirements set forth within the CWA, the Seaman Estate Pond Annual Monitoring Program ensures that the remedial action continues to be protective through an intensive monitoring of surface water, fish tissue and sediment within the pond.

With regard to groundwater, the remedial action continues to comply with the SDWA as well as the State's 35 IAC 620 regulations. As discussed within the ROD, a Groundwater Management Zone (GMZ) has been instituted at the site based on the regulations at 35 IAC 620.250. The remedy continues to meet the requirements necessary for a GMZ to remain in effect. Groundwater numerical standards, which will be utilized to monitor the remedial action in the future, are discussed within the section below. The clean-up objectives set forth within the ROD for groundwater were based on the drinking water regulations at 40 CFR 141 and 35 IAC 620, including any proposed standards, as well as risk based criteria. Any revisions to 40 CFR 141 and 35 IAC 620 were compared to levels set within the ROD. In addition, all new criteria utilized by the State of Illinois based on risk were also reviewed. Thorough evaluation indicated that the levels set within the ROD for groundwater restoration continue to be protective. Since the ROD was signed in September of 1992, MCLs have been established at .0002 mg/L and .005 mg/L for benzo(a)pyrene and dichloromethane, respectively. The table below compares the newly promulgated levels to those established within the ROD.

Compound	ROD Objective	Newly Promulgated MCL
benzo(a)pyrene	.00023 mg/L	.00020 mg/L
dichloromethane	.0002 mg/L	.005 mg/L

The 2005 ESD documented the new benzo(a)pyrene MCL as the site groundwater remedial action objective.

Clean-up objectives set within the ROD for surface water focus on concentrations of contaminants within the treated water to be discharged (i.e. effluent limitations) as well as concentrations of the surface water body to which the effluent is discharged. The effluent

limitations and surface water quality concentrations set forth within the ROD are the same for each contaminant because the ROD assumes the discharge occurs into a stream with no existing flow. Toxicity data taken from the scientific literature along with formulas from 35 IAC Part 302 were utilized to calculate the maximum allowable concentrations set forth in the ROD. Since September of 1992, toxicity information has become available for compounds which previously had no data, and, in addition, the toxicity data for a number of compounds has changed. In order to ensure that the requirements set within the ROD continue to be protective, surface water quality standards were re-calculated utilizing new toxicity information for the contaminants of concern. Illinois EPA considers the new numbers to be more precise and to more accurately reflect concentrations which are protective of human health and the environment because new and more accurate toxicity data have been utilized in the calculations. The 2005 ESD documents the new revised effluent standards.

### C. Institutional Controls

Institutional controls (ICs) are non-engineered instruments, such as administrative and/or legal controls, that help minimize the potential for exposure to contamination and protect the integrity of the remedy. Compliance with ICs is required to assure long-term protectiveness for any areas which do not allow for unlimited use or unrestricted exposure (UU/UE).

The table below summarizes institutional controls for these restricted areas

**IC Summary Table:**

<b><i>Media, remedy components &amp; areas that do not support UU/UE based on current conditions*</i></b>	<b><i>Objectives of IC</i></b>	<b><i>Title of Institutional Control Instrument Implemented</i></b>
<b><i>Ameron CIPS Property</i></b> – identified in Figure 2 treated to commercial / industrial standards	Prohibit residential use	Environmental covenant to be recorded
<b><i>Groundwater Containment System (Pump and Treat) and related equipment</i></b>	Prohibit Interference with Remedy Component	Environmental covenant to be recorded
<b><i>Groundwater</i></b> – current CIPS property area that exceeds groundwater cleanup standards (Figure 2)	Prohibit groundwater use until cleanup standards are achieved	Environmental covenant to be recorded
<b><i>Groundwater</i></b> – outside the CIPS property, Concentration of most COCs have met the cleanup standards allowing UU/UE. Sporadic detections of one COC will continue to be monitored.	Prohibit groundwater use until cleanup standards are achieved (Currently no groundwater use in the area)	Agreement for easements and covenants (Attached)

\*Maps which depict the current conditions of the site and areas which do not allow for UU/UE will be developed as part of the implementation of additional ICs discussed below.

## **Status of Current Access Restrictions and ICs and Planned Follow-up Actions**

The institutional controls at the site, in the form of an agreement for easements and covenants restricting groundwater use and well construction and operation on several parcels of land south of the CIPS property continue to be in effect. The CIPS property is also fenced and "No Trespassing" signs are posted. However, to ensure effectiveness and long-term protectiveness, additional IC activities are required. UECA Environmental covenants should be recorded on the CIPS property, and mapping and title work should be conducted on all affected properties to ensure that appropriate ICs have been recorded where needed, that the proper signatories have signed the instruments, and that recorded encumbrances will not interfere with the restrictions. Such work would include reviewing the IC objectives, mapping the areas (in both paper and GIS format) which do not allow for UU/UE and comparing that to the legal description contained in the ICs, conducting title work to determine whether any other encumbrances could interfere with the ICs, and ensuring the title work shows that the proper signatory (i.e., owner) on the instrument and that the recorded encumbrances will not interfere with restrictions.

### **Current Compliance**

Access to the CIPS property is restricted by a fence. The CIPS property is currently being used for operation of the groundwater capture system. Also, no one is using groundwater for any purpose in the area where sporadic detections of one COC has been noted. Based on inspections and interviews, U.S. EPA is not aware of site or media uses which are inconsistent with the stated objectives of the ICs. The remedy appears to be functioning as intended.

### **Long-Term Stewardship**

Long-term protectiveness at the site requires implementation of and compliance with use restrictions to assure the remedy continues to function as intended. To assure proper implementation, maintenance and monitoring of effective ICs, an appropriate UECA covenant should be recorded on the CIPS property; mapping and title work should be conducted on all affected properties to ensure that appropriated ICs have been recorded where needed, that the proper signatories have signed the instruments, and that recorded encumbrances will not interfere with the restrictions; and regular inspections of areas exceeding groundwater standards should be conducted to check and certify that ICs are in place and effective.

## **D. System Operation/Operation and Maintenance**

The groundwater treatment system at the Ameren CIPS Taylorville former manufacture gas plant (FMGP) site consist primarily of two carbon units operating in series. Bag filters for solids removal are in place prior to groundwater entering the first carbon unit. The system also has provisions to backwash the carbon units as necessary.

Raw groundwater entering the facility is analyzed for several compounds including organics twice per month. Water between the carbon units is sampled twice per month to monitor organic breakthrough. Based on the results of this sampling point and operating history, a determination is made regarding changing the carbon media. Once new carbon has been placed in the lead carbon unit, it will be switched to become the polishing (lag) carbon unit. The previous polishing carbon unit will become the lead carbon unit. The treated water is continuously discharged and will be sampled weekly for various compound including organics. Sample results and flow information will be submitted to the Illinois Environmental Protection Agency. Since the startup of the treatment system in early 1995 until the end of December 2008, a total of 1,042,404,786 gallons of groundwater have been treated.

Ameren CIPS is conducting long-term monitoring of groundwater, surface water and fish sampling in Seaman Estate's pond to ensure that there is no risk to human health and the environment.

## **V. Progress since the last Five-Year Review**

The protectiveness statement from the last five-year review stated that the remedy selected for this site remained protective of the human health and the environment. The recommendations in the last review stated that the pump and treat system must continue to operate to remain protective of human health and the environment until the clean-up objectives have been achieved. In September 2005, the Illinois EPA issued an ESD to allow Ameren CIPS to conduct a pilot study on an alternate treatment method in an attempt to reduce or eliminate the length of operation time of the current groundwater pump and treat system. In October 2006, as part of this alternate treatment, a modified Fenton's reagent was injected into the subsurface at the Ameren CIPS Site. The groundwater treatment system was shutdown during the oxidant injection period and a time after the injection, to allow time for chemical and biological oxidation of the site contaminants. The treatment system was shutdown for approximately three (3) months. Monitoring of groundwater was increased while the groundwater treatment system was shutdown. No off-site migration of groundwater contaminants was detected. Ameren CIPS is currently evaluating the results of the pilot study. The groundwater system was restarted in mid-January 2007, and has been operating since that time.

The Issues statement from the last five-year review stated that the surface water cleanup objectives needed to be updated to confirm that surface water discharges continue to be protective of human health and the environment. The 2005 ESD addressed this issue by updating the cleanup objectives relating to the surface water quality standards based on new toxicity information.

## **VI. Five-Year Review Process**

### **A. Administrative Components**

The Ameren CIPS Site review team was led by Erin Rednour, Illinois EPA Project Manager, Nan Gowda, U.S. EPA Project Manager, Stan Black, Illinois EPA, and Donald Richardson, Ameren Services. The review team's responsibility included the following components:

- Community Involvement
- Document Review
- Data Review
- Site Inspection
- Risk Assessment Review, and
- Five-Year Report Review and Update

### **B. Community Involvement**

In coordination with Janet Pope, U.S. EPA's Community Involvement Coordinator, Erin Rednour, and Stan Black, U.S. EPA placed an advertisement in the Breeze Courier Newspaper, Taylorville, Illinois on August 17, 2008 to notify the local residents of its intent to conduct the five-year review in coordination with Illinois EPA and to solicit public comments on matters relating to the Ameren CIPS Site. No comments were received from the local residents.

### **C. Document Review**

The five-year review consisted of a review of the following relevant documents:

1. Phase I Site Investigation Report (March 1986)
2. Phase II Site Investigation Report (December 1986)
3. Risk Assessment and Feasibility Study Update (Addendum 5 to the Phase II Site Investigate Report (May 1991)
4. Record of Decision (9/30/1992) for the Ameren CIPS Site
5. Remedial Action Consent Decree (March 1994)
6. Second Five-Year Review Report for the Ameren CIPS Site (June 15, 2004)
7. Explanation of Significant Differences (September 2005)
8. Seaman Estate Pond Study Annual Report (2007)

9. Applicable Cleanup Standards, as listed in the 1992 Record of Decision and 2005 ESD for the Ameren CIPS Site.
10. Groundwater, Surface Water, and Fish Tissue Sample Monitoring Data
11. Institutional control related documents

#### **D. Data Review**

##### Review of Groundwater, Surface water, Sediment, and Fish Tissues collected from the Seaman Estates Pond

Ameren CIPS regularly conducts monitoring of groundwater at the Ameren CIPS Site. Monitoring wells GW-1, GW-2, GW-3, GW-4, GW-7, GW-14, GW-15, GW-16S, GW-16D, GW-22S, and GW-22D are monitored on a quarterly basis. Monitoring wells GW-17, GW-18S, GW-18D, GW-19S, and GW-19D are also monitored on a quarterly basis. Monitoring wells GW-101S, GW-102S, GW-102D, GW-103S, and GW-103D are monitored annually. In addition to the surface water discharge limits set within the ROD, the Seaman Estates Pond Annual Monitoring Program ensures that the remedial action continues to be protective through an intensive monitoring of surface water, fish tissue, and sediment within the pond. Water, sediment, and fish tissue samples from the Seaman Estates Pond are collected annually.

This five-year review has compared the analytical results from groundwater and surface water samples to federal and state standards. Federal Standards are the National Primary and Secondary Drinking Water Standards. State Standards include Illinois Groundwater Quality Standards of Illinois Administrative Code (IAC) Subtitle F and Surface Water Quality Standards (35 IAC Subpart C).

##### Groundwater Monitoring

Based on the 1995 Groundwater Monitoring Data, several volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) above the cleanup criteria were present in two of the eleven monitoring wells on the CIPS property (GW-3 and GW-04). The VOCs included benzene, ethylbenzene, naphthalene, and toluene. The SVOCs included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, ideno(1,2,3-c,d)pyrene, and bis(2-ethyl hexyl)phthalate. Based on the groundwater monitoring data conducted within the past five years (Table 1), these contaminants of concern (COCs) are still present in the monitoring well GW-04. COCs including benzene, ethylbenzene, naphthalene, toluene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, ideno(1,2,3-c,d)pyrene and bis(2)ethylhexylphthalate were detected above the cleanup criteria in well GW-04. In the monitoring well GW-3, only benzene, ethylbenzene, naphthalene, and bis(2)ethylhexylphthalate were detected above the cleanup criteria. Groundwater monitoring wells GW-01 and GW-02 are considered upgradient wells and are not impacted by the COCs.

Groundwater data from the remaining wells on the CIPS property GW-7, GW-14, GW-15, and GW-16, and GW-22, show the presence of bis(2)-ethylhexylphthalate above the cleanup criteria.

Based on the groundwater monitoring data conducted within the past five years (Table 2), only bis(2)-ethylhexylphthalate was detected above the cleanup criteria in five of the ten monitoring wells outside the CIPS property (GW-17, GW-18, GW-18D, GW-19S, and GW-19D). None of the other COCs were detected in any of these wells.

Because access to the site is restricted, there is no inhalation risk from groundwater on the CIPS property to trespassers. Bis(2)-ethylhexylphthalate detected in groundwater south of the CIPS property is neither sufficiently volatile nor toxic to result in potentially significant vapor intrusion or unacceptable indoor air inhalation risks.

#### Surface Water, Sediment, and Fish Tissue samples collected from the Seaman Estates Pond

Surface water, sediment, and fish tissue samples collected (1993 to 2008) from the Seaman Estates Pond show that concentrations of PAHs and pesticides are sporadic and show no apparent trends. The concentrations of PAHs in surface water within the pond were below the practical quantitation limits and meet the State of Illinois surface water discharge limits.

#### **E. Site Inspection**

Erin Rednour (Illinois EPA), Nan Gowda (U.S. EPA), Stan Black (Illinois EPA), and Donald Richardson (Ameren CIPS) conducted a site inspection on September 30, 2008. The purpose of the site inspection was to determine current site conditions and to assess the protectiveness of the remedy. Fencing was in good condition with appropriate signage. Site access continues to be adequately restricted. Groundwater at the site continued to be extracted and the network of monitoring wells used to monitor the progress of pump and treat system remained intact. All equipment used in the pump and treat system were in good condition.

#### **F. Risk Assessment Review**

The September 2005 ESD signed by Illinois EPA revised the cleanup objective for benzo(a)pyrene from 0.00023 mg/l to 0.0002 mg/l. Treated water from the pump and treat system meets the 2005 ESD effluent discharge criteria.

In addition to the revised surface water discharge limits set within the ESD, the Seaman Estate Pond Annual Monitoring Program ensures that the remedial action continues to be protective through an intensive monitoring of surface water, fish tissue and sediment within the pond. Concentrations within all three media (i.e. fish tissue, sediment and surface water) are sporadic and show no apparent trends. In connection with the Risk Assessment, the ROD states that 0.119 mg/kg of total carcinogenic PAHs in fish tissue corresponds to a carcinogenic risk of  $1.0 \times 10^{-5}$ . The risk level of  $1.0 \times 10^{-5}$  falls within U.S. EPA's acceptable risk range. Utilizing the assumptions within the Risk Assessment, fish tissue concentrations for carcinogens identified

within the Risk Assessment and their corresponding risks have remained below  $1.0 \times 10^{-5}$  from 1989 through 2008.

## **VII. Technical Assessment**

### **Question A: Is the remedy functioning as intended by the decision document?**

Yes. The remedy in place continues to be protective of human health and the environment. The excavation and site fencing restricts any surface soil exposures while the pump and treat facility in conjunction with the municipal water line limits exposure to any contaminated groundwater. The existing groundwater treatment operation is providing adequate treatment prior to any surface water discharge. However, since long-term protectiveness requires compliance with effective ICs, additional IC implementation and evaluation activities must be undertaken to ensure that ICs are in-place and effective and are monitored, maintained and enforced.

### **Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used at the time of the remedy selection still valid?**

Yes. There have been no changes in the physical conditions of the Site that would affect the protectiveness of the remedy. The 2005 ESD signed by Illinois EPA revised the groundwater cleanup criteria for benzo(a)pyrene from 0.00023 mg/L to 0.0002 mg/L. The ESD also updated the cleanup objectives related to surface water quality standards for the contaminants of concern based on new toxicity information. The treated (effluent) groundwater meets the revised cleanup criteria.

### **Question C: Has any other information come to light that could call into question the protectiveness of the remedy?**

No. No new ecological targets were identified during the five year review. Therefore monitoring of ecological targets will continue as outlined in the ROD. There were no weather related events that have affected the protectiveness of the remedy. There is no other information that calls into question the protectiveness of the remedy.

## **Technical Assessment Summary:**

The review of documents, ARARs, risk assumptions, and the results of the site inspection indicate that the remedy is functioning as intended by the ROD and the ESD. Operation and Maintenance of the pump and treat system is effective on the whole. There have been no changes in the physical conditions of the Site that would affect the protectiveness of the remedy. The surface and subsurface soil excavation conducted in 1987 and the site fencing prevents any surface soil exposures. The pump and treat system in conjunction with supplying municipal water to nearby residents limits exposure to any contaminated groundwater. Institutional Controls in the form of and agreement for easements and covenants are in place to prevent use of

groundwater South of the CIPS property and UECA covenants are being added at the CIPS property. In addition, the risk to human health from fish in the Seaman Estate Pond continues to remain below  $1.0 \times 10^{-5}$  (within U.S. EPA's acceptable range). There is no other information that calls into question the protectiveness of the remedy.

## **VIII. Issues**

There is one issue relative to ICs identified for the Ameren CIPS Site that may affect long-term protectiveness which is summarized below. However, although the pump and treat system is performing as envisioned within the ROD and facility design documents, groundwater monitoring data indicates that clean-up objectives have not yet been met throughout the aquifer.

The following issue was identified for the Site during this Five-Year Review:

**Institutional Controls:** Effective ICs must be implemented, monitored, maintained, and enforced to assure that the remedy is functioning as intended with regard to the ICs. Conducting of additional IC activities is required to ensure that effective ICs are in place and ensuring long-term protectiveness of the ICs. To that end, long-term stewardship needs to be assured for the Site.

## **IX. Recommendations**

In order to meet the requirements set forth within the ROD and remain protective of human health and the environment, the pump and treat system must continue its current operation. However, in accordance with the 2005 ESD, Ameren CIPS could continue the pilot study on the alternate treatment method in its attempt to reduce or eliminate the length of operation time of the current groundwater pump and treat system.

Because COCs are still present in the on-site groundwater monitoring wells, institutional controls to prohibit the use of groundwater at the Ameren CIPS Site are necessary. Also, since effective ICs must be implemented, monitored, maintained and enforced, additional IC activities should be conducted. Following is the recommendation.

### **Recommendations/Follow Up Actions**

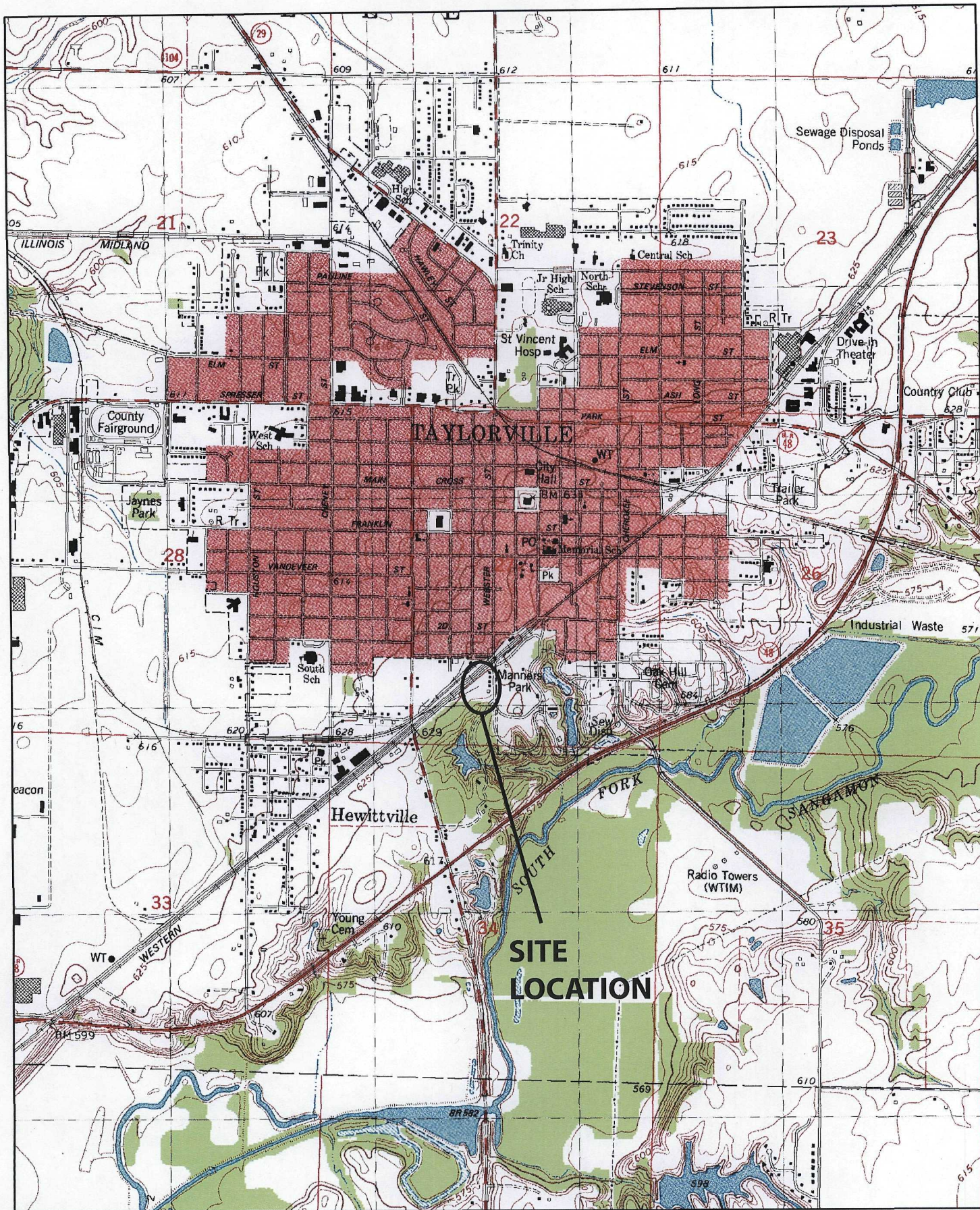
<b>Recommendations/ Follow-up Actions</b>	<b>Responsible Party</b>	<b>Oversight</b>	<b>Milestone</b>	<b>Affects Protectiveness (Y/N) Current/ Future</b>
Institutional Controls:  UECA covenants should be recorded on the CIPS property, and mapping and title work conducted on all affected properties to ensure that appropriate ICs have been recorded where needed, that the proper signatories have signed the instruments, and that recorded encumbrances will not interfere with the restrictions. Long term stewardships of ICs and remedy components needs to be assured, including regular inspection and certification that ICs are in place and effective.	Ameren CIPS	IEPA and USEPA	June 2010	Current – No Future – Yes

### **X. Protectiveness Statement**

The remedy is protective of human health and the environment in the short-term because the excavation and site fencing effectively restricts any surface soil exposures while the pump and treat facility, in conjunction with the municipal water line limits exposure to any contaminated groundwater. However, in order for the remedy to be protective in the long-term the following actions need to be taken; compliance with effective ICs, which includes compliance with the agreement for easements of an appropriate environmental covenant pursuant to UECA on the CIPS property and conducting additional IC evaluation activities and implementing additional ICs pursuant to the UECA. The site remedy components, including ICs, must be maintained, monitored and enforced to ensure long-term protectiveness.

### **XI. Next Review**

Since the remedy leaves in waste in place above unlimited use, unrestricted exposure (UU/UE), statutory five year reviews are required for this site. The next review for the Ameren CIPS Site is required by June 2013.



Data Source: USDA

**AMEREN CIPS SITE**  
**TAYLORVILLE, ILLINOIS**  
**Figure 1**



Monitoring Well Locations  
Ameren CIPS Site, Taylorville, Illinois  
Figure 2

**Groundwater Monitoring Data (2004-2008)**  
**On-Site Monitoring Wells**  
**CIPS Site**  
**Taylorville, Illinois**

	Units	Limits	GW-01						GW-02					
Location Date Dup			GW-01 2/1/1995	GW-01 5/20/2004	GW-01 5/9/2005	GW-01 5/15/2006	GW-01 5/17/2007	GW-01 5/7/2008	GW-02 2/1/1995	GW-02 5/20/2004	GW-02 5/13/2005	GW-02 5/16/2006	GW-02 5/14/2007	GW-02 5/7/2008
<u>SVOCs</u>														
Acenaphthene	mg/L	0.420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00661	ND	ND
Anthracene	mg/L	2.100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	ND	ND	0.00233	ND	ND	ND	ND	ND	0.0104	0.0528	ND	ND
Chrysene	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ideno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	--	--	--	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/L	0.210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<u>VOCs</u>														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ug/L	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.86	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Legend**

Limit Exceedances are shown in bold  
DUP Duplicate Sample  
-- Not Analyzed  
ND Not reported above reporting limit

Table 1

**Groundwater Monitoring Data (2004-2008)**  
**On-Site Monitoring Wells**  
**CIPS Site**  
**Taylorville, Illinois**

	Units	Limits	GW-03						GW-04				GW-04R	
Location			GW-03	GW-03	GW-03	GW-03	GW-03	GW-03	GW-04	GW-04	GW-04	GW-04	GW-04R	GW-04R
Date			2/1/1995	5/20/2004	5/13/2005	5/16/2006	5/14/2007	5/7/2008	1/1/1995	5/20/2004	5/12/2005	5/17/2006	5/16/2007	5/6/2008
Dup														
SVOCs														
Acenaphthene	mg/L	0.420	0.0029	ND	ND	ND	ND	ND	0.0623	0.119	0.0803	0.0695	ND	0.0257
Acenaphthylene	mg/L	--	0.0115	ND	ND	ND	ND	ND	0.2038	0.454	0.274	0.353	0.392	0.377
Anthracene	mg/L	2.100	0.0082	ND	ND	ND	ND	ND	0.0184	0.0103	0.00826	0.0095	ND	0.0211
Benzo(a)anthracene	mg/L	0.00013	0.0005	ND	ND	ND	ND	ND	0.0053	0.00028	0.00022	ND	ND	0.0062
Benzo(a)pyrene	mg/L	0.00023	0.0002	ND	ND	ND	ND	ND	0.00018	ND	ND	ND	ND	0.00436
Benzo(b)fluoranthene	mg/L	0.00018	0.0006	ND	ND	ND	ND	ND	0.0035	ND	ND	ND	ND	0.0036
Benzo(g,h,i)perylene	mg/L	--	0.0003	ND	ND	ND	ND	ND	0.0012	ND	ND	ND	ND	0.00145
Benzo(k)fluoranthene	mg/L	0.00017	0.0005	ND	ND	ND	ND	ND	0.0012	ND	ND	ND	ND	0.00115
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	ND	ND	0.0111	0.0219	0.0199	ND	ND	ND	0.00642	ND	ND	ND
Chrysene	mg/L	0.00015	0.0006	ND	ND	ND	ND	ND	0.0041	0.00019	ND	ND	ND	0.00565
Di-n-butyl phthalate	mg/L	0.700	0.00037	ND	ND	ND	ND	ND	0.003	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	0.0089	0.00235	0.00407	0.00519	ND	ND	0.0364	0.0029	0.00413	0.0038	ND	0.0181
Fluorene	mg/L	0.280	0.0119	0.00308	0.00369	ND	ND	ND	0.0493	0.09	0.0729	0.0635	0.052	0.0667
Ideno(1,2,3-c,d)pyrene	mg/L	0.00043	0.0003	ND	ND	ND	ND	ND	0.0011	ND	ND	ND	ND	0.00122
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	0.008	ND	ND	ND	ND	0.00059	-	ND	ND	0.0125	ND	0.348
p-Cresol (4-Methylphenol)	mg/L	0.350	0.0136	--	--	--	--	--	0.0042	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	0.0007	0.011	ND	ND	0.0075	0.314	0.917
Phenanthrene	mg/L	--	0.0457	0.00558	ND	ND	ND	ND	0.0655	0.0826	0.0534	0.0555	ND	0.0911
Pyrene	mg/L	0.210	0.0075	0.00522	0.00809	0.0101	0.00362	ND	0.0303	0.00366	0.00481	0.0048	ND	0.026
VOCs														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	1760	77.1	59.2	4.84	2.72	30.2	131000	21600	16500	26700	40600	51300
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	824	30.5	31.1	ND	ND	4.24	4240	2980	2480	3200	2270	2040
Methylene chloride	ug/L	0.2	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	50	115
Naphthalene	ug/L	25	5480	302	426	3.56	42	99.3	19700	11800	10600	15400	12300	7380
Toluene	ug/L	1000	6410	237	148	ND	ND	85	28700	15500	12600	18300	25300	26600
m,p-Xylenes	ug/L	--	-	134	107	ND	ND	92.2	-	3060	2440	3430	3880	2850
o-Xylene	ug/L	--	-	85.8	83.3	ND	3.16	58.7	-	1630	1380	1740	1700	1210
Xylenes, Total	ug/L	10000	3280	220	190	1.16	6.77	151	6550	4690	3820	5170	5570	4060

**Legend**

Limit Exceedances are shown in bold

DUP Duplicate Sample

-- Not Analyzed

ND Not reported above reporting limit

Table 1

**Groundwater Monitoring Groundwater Monitoring Data (2004-2008)**  
**On-Site Monitoring Wells**  
**CIPS Site**  
**Taylorville, Illinois**

	Units	Limits	GW-07						GW-14					
Location			GW-07	GW-07	GW-07	GW-07	GW-07	GW-07	GW-14	GW-14	GW-14	GW-14	GW-14	GW-14
Date			1/1/1995	5/20/2004	5/12/2005	5/18/2006	5/15/2007	5/6/2008	1/1/1995	5/19/2004	5/9/2005	5/17/2006	5/15/2007	5/7/2008
Dup														
<b>SVOCs</b>														
Acenaphthene	mg/L	0.420	0.0022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/L	--	0.017	ND	ND	0.00021	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/L	2.100	0.0041	ND	ND	0.00064	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	<b>0.0048</b>	ND	<b>0.00472</b>	ND	0.00228	<b>0.00785</b>	<b>0.0032</b>	ND	<b>0.00981</b>	ND	0.00217	<b>0.00537</b>
Chrysene	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	0.0026	ND	ND	0.0008	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/L	0.280	0.0127	ND	ND	0.00054	ND	ND	ND	ND	ND	ND	ND	ND
Ideno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	--	--	--	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/L	--	ND	ND	ND	0.0005	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/L	0.210	ND	ND	ND	0.0011	ND	ND	ND	ND	ND	ND	ND	ND
<b>VOCs</b>														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	22.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ug/L	25	<b>29.5</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	<b>4.9</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	ug/L	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/L	10000	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Legend**

Limit Exceedances are shown in bold

DUP Duplicate Sample

-- Not Analyzed

ND Not reported above reporting limit

Table 1

Groundwater Monitoring Data (2004-2008)  
On-Site Monitoring Wells  
CIPS Site  
Taylorville, Illinois

	Units	Limits	GW-15								
Location			GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15	GW-15
Date			1/1/1995	5/19/2004	5/19/2004	5/12/2005	5/12/2005	5/17/2006	5/16/2007	5/6/2008	5/6/2008
Dup					DUP		DUP				DUP
SVOCs											
Acenaphthene	mg/L	0.420	0.0006	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/L	--	0.0029	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/L	2.100	0.0005	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	0.0002	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0049	ND	ND	0.00622	0.00933	ND	0.00239	0.0061	0.00458
Chrysene	mg/L	0.00015	0.0002	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	0.0006	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/L	0.280	0.0009	ND	ND	ND	ND	ND	ND	ND	ND
Ideno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	ND	ND	ND	ND	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/L	--	0.0021	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/L	0.210	0.0008	ND	ND	ND	ND	ND	ND	ND	ND
VOCs											
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	193.5	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	16.8	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ug/L	25	48.3	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	63.6	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/L	10000	22.4	ND	ND	ND	ND	ND	ND	ND	ND

Legend

Limit Exceedances are shown in bold

DUP Duplicate Sample

-- Not Analyzed

ND Not reported above reporting limit

Table 1

**Groundwater Monitoring Data (2004-2008)**  
**On-Site Monitoring Wells**  
**CIPS Site**  
**Taylorville, Illinois**

	Units	Limits	GW-16S						GW-16D					
Location			GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16S	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D	GW-16D
Date			1/1/1995	5/18/2004	5/11/2005	5/16/2006	5/14/2007	5/5/2008	1/1/1995	5/18/2004	5/11/2005	5/16/2006	5/14/2007	5/5/2008
Dup														
SVOCs														
Acenaphthene	mg/L	0.420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/L	2.100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0037	ND	0.00227	0.00384	ND	ND	0.0856	ND	0.0044	ND	ND	0.00517
Chrysene	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	0.0047	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ideno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	0.0032	--	--	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/L	0.210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOCs														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	465	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	757	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ug/L	0.2	ND	ND	0.22	0.22	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ug/L	25	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	441	ND	ND	ND	ND	ND	0.9	ND	ND	ND	ND	ND
m,p-Xylenes	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/L	10000	ND	ND	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND

**Legend**

Limit Exceedances are shown in bold  
DUP Duplicate Sample  
-- Not Analyzed  
ND Not reported above reporting limit

Table 1

**Groundwater Monitoring Data (2004-2008)**  
**On-Site Monitoring Wells**  
**CIPS Site**  
**Taylorville, Illinois**

	Units	Limits	GW-22S						GW-22D					
Location			GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22S	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D	GW-22D
Date			1/1/1995	5/19/2004	5/12/2005	5/17/2006	5/16/2007	5/6/2008	1/1/1995	5/19/2004	5/12/2005	5/17/2006	5/16/2007	5/6/2008
Dup														
SVOCs														
Acenaphthene	mg/L	0.420	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/L	--	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/L	2.100	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0035	ND	--	0.00486	ND	ND	0.0035	ND	0.0138	0.00404	0.00226	0.00274
Chrysene	mg/L	0.00015	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/L	0.280	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	--	--	--	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/L	--	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/L	0.210	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOCs														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	2.1	ND	--	ND	ND	ND	1.2	ND	ND	ND	ND	ND
Bromoform	ug/L	0.2	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	11.1	ND	--	ND	ND	ND	1.7	ND	ND	ND	ND	ND
Methylene chloride	ug/L	0.2	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ug/L	25	2.5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	1.3	ND	--	ND	ND	ND	1.5	ND	ND	ND	ND	ND
m,p-Xylenes	ug/L	--	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	--	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/L	10000	1.1	ND	--	ND	ND	ND	1.3	ND	ND	ND	ND	ND

**Legend**

Limit Exceedances are shown in bold  
 DUP Duplicate Sample  
 -- Not Analyzed  
 ND Not reported above reporting limit

Table 1

**Groundwater Monitoring Data (2004-2008)**  
**Off-Site Monitoring Wells**  
**CIPS Site**  
**Taylorville, Illinois**

	Units	Limits	GW-17						GW-18S					
Location			GW-17	GW-17	GW-17	GW-17	GW-17	GW-17	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S	GW-18S
Date			1/1/1995	5/18/2004	5/11/2005	5/16/2006	5/14/2007	5/5/2008	1/1/1995	5/18/2004	5/10/2005	5/18/2006	5/17/2007	5/5/2008
Dup														
SVOCs														
Acenaphthene	mg/L	0.420	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Acenaphthylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Anthracene	mg/L	2.100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.0025	ND	0.00663	ND	ND	0.00215	0.0105	ND	--	0.0157	ND	0.00237
Chrysene	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Fluoranthene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Fluorene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Ideno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	--	--	--	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Phenanthrene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Pyrene	mg/L	0.210	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
VOCs														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	0.7	ND	--	ND	ND	ND
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Methylene chloride	ug/L	0.2	0.26	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Naphthalene	ug/L	25	ND	ND	ND	ND	ND	ND	1.8	ND	--	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
m,p-Xylenes	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
o-Xylene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Xylenes, Total	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND

**Legend**

Limit Exceedances are shown in bold  
DUP Duplicate Sample  
-- Not Analyzed  
ND Not reported above reporting limit

Table 2

Groundwater Monitoring Data (2004-2008)  
Off-Site Monitoring Wells  
CIPS Site  
Taylorville, Illinois

	Units	Limits	GW-18D						GW-19S					
Location			GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-18D	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S	GW-19S
Date			1/1/1995	5/18/2004	5/10/2005	5/18/2006	5/17/2007	5/5/2008	1/1/1995	5/20/2004	5/10/2005	5/18/2006	5/15/2007	5/5/2008
Dup														
<u>SVOCs</u>														
Acenaphthene	mg/L	0.420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/L	2.100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	<b>0.0307</b>	ND	<b>0.00446</b>	ND	ND	<b>0.00433</b>	<b>0.0699</b>	ND	<b>0.00294</b>	ND	ND	ND
Chrysene	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ideno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	--	--	--	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/L	0.210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<u>VOCs</u>														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57	ND	ND
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	0.5	ND	ND	ND	ND	ND	0.8	ND	ND	ND	ND	ND
Methylene chloride	ug/L	0.2	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Naphthalene	ug/L	25	1.8	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	ug/L	--	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
o-Xylene	ug/L	--	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
Xylenes, Total	ug/L	10000	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Legend

Limit Exceedances are shown in bold

DUP Duplicate Sample

-- Not Analyzed

ND Not reported above reporting limit

Table 2

**Groundwater Monitoring Data (2004-2008)**  
**Off-Site Monitoring Wells**  
**CIPS Site**  
**Taylorville, Illinois**

	Units	Limits	GW-19D						GW-101S					
Location Date Dup			GW-19D 1/1/1995	GW-19D 5/20/2004	GW-19D 5/10/2005	GW-19D 5/18/2006	GW-19D 5/15/2007	GW-19D 5/5/2008	GW-101S 5/14/1996	GW-101S 5/17/2004	GW-101S 5/11/2005	GW-101S 5/15/2006	GW-101S 5/16/2007	GW-101S 5/8/2008
SVOCs														
Acenaphthene	mg/L	0.420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/L	2.100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	0.195	ND	0.00319	ND	0.00698	0.00621	ND	ND	ND	ND	ND	ND
Chrysene	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ideno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	--	--	--	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/L	0.210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOCs														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ug/L	0.2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28
Naphthalene	ug/L	25	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	ug/L	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Legend**

Limit Exceedances are shown in bold  
DUP Duplicate Sample  
-- Not Analyzed  
ND Not reported above reporting limit

Table 2

Groundwater Monitoring Data (2004-2008)  
Off-Site Monitoring Wells  
CIPS Site  
Taylorville, Illinois

	Units	Limits	GW-102S						GW-102D					
Location			GW-102S	GW-102S	GW-102S	GW-102S	GW-102S	GW-102S	GW-102D	GW-102D	GW-102D	GW-102D	GW-102D	GW-102D
Date			5/14/1996	5/18/2004	5/11/2005	5/15/2006	5/14/2007	5/9/2008	5/14/1996	5/18/2004	5/11/2005	5/15/2006	5/14/2007	5/6/2008
Dup														
<b>SVOCs</b>														
Acenaphthene	mg/L	0.420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/L	2.100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00245	ND	ND
Chrysene	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	--	--	--	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/L	0.210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>VOCs</b>														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ug/L	0.2	ND	ND	0.27	ND	ND	ND	ND	0.27	0.27	ND	ND	ND
Naphthalene	ug/L	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Legend

Limit Exceedances are shown in bold

DUP Duplicate Sample

-- Not Analyzed

ND Not reported above reporting limit

Table 2

Groundwater Monitoring Data (2004-2008)  
Off-Site Monitoring Wells  
CIPS Site  
Taylorville, Illinois

	Units	Limits	GW-103S						GW-103D					
Location			GW-103S	GW-103S	GW-103S	GW-103S	GW-103S	GW-103S	GW-103D	GW-103D	GW-103D	GW-103D	GW-103D	GW-103D
Date			5/14/1996	5/18/2004	5/10/2005	5/16/2006	5/17/2007	5/7/2008	5/14/1996	5/18/2004	5/10/2005	5/16/2006	5/17/2007	5/7/2008
Dup														
SVOCs														
Acenaphthene	mg/L	0.420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/L	2.100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	mg/L	0.00013	0.00022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/L	0.00023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/L	0.00017	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	mg/L	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	mg/L	0.00015	0.00017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	mg/L	0.700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/L	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/L	0.280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	mg/L	0.00043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m & p Cresol (3 & 4 Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol (4-Methylphenol)	mg/L	0.350	--	--	--	--	--	--	--	--	--	--	--	--
o-Cresol (2-Methylphenol)	mg/L	0.350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/L	0.210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOCs														
1,2-Dichloroethene, trans	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ug/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ug/L	0.2	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND	0.25
Naphthalene	ug/L	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Legend

Limit Exceedances are shown in bold  
DUP Duplicate Sample  
-- Not Analyzed  
ND Not reported above reporting limit

Table 2

STATE OF ILLINOIS  
CHRISTIAN COUNTY } SS No. 87-24021  
Filed for record on the 27th day  
of October A.D. 1987  
8:10 o'clock P.M.

Filmed  
& Indexed

AGREEMENT

*Charles Bell*

Recorder

THIS AGREEMENT made this 21st day of August, 1987, by and among CENTRAL ILLINOIS PUBLIC SERVICE COMPANY, an Illinois corporation, having its principal office in Springfield, Illinois ("CIPS"); TIMOTHY J. SZABO and TRINA SZABO, of Taylorville, Illinois; ROGER WAREHAM and JOYCE WAREHAM of Taylorville, Illinois; DONALD GOECKNER and IRMA J. GOECKNER of Taylorville, Illinois; MICHAEL SPECHA and KAY SPECHA of Taylorville, Illinois; WILLIAM R. APPLETON and MAUREEN APPLETON of Taylorville, Illinois; and ALAN DOBER and RUTH DOBER of Taylorville, Illinois; with regard to the methods, terms and conditions of acquiring a supply of water from the City of Taylorville to an area comprised of parcels owned by the several parties hereto situated in the South Half (S 1/2) of the Southeast Quarter (SE 1/4) of the Southwest Quarter (SW 1/4) of Section 27, and the Northeast Quarter (NE 1/4) of the Northwest Quarter (NW 1/4) of Section 34, all in Township 13 North, Range 2 West of the Third Principal Meridian, Taylorville Township, Christian County, Illinois, commonly known as the "Seaman Estate"; and the restoration of a small pond on that property.

WITNESSETH:

WHEREAS, on the date hereof, the parties hereto owned fee simple interest in the parcels of real estate as described on Exhibit 1 attached hereto and incorporated by reference herein, subject to certain liens and encumbrances,

the parcels being identified herein for convenience as Tracts A through J and owned by the parties as follows:

Central Ill. Public Serv. Co.	Tracts A and B
Timothy and Trina Szabo	Tract C
Roger and Joyce Wareham	Tract D
Donald and Irma J. Goeckner	Tracts E, F and G
Michael and Kay Specha	Tract H
William and Maureen Appleton	Tract I
Alan and Ruth Dober	Tract J

WHEREAS, the parties hereto are concerned with the potential pollution of the aquifer underlying the said real estate described on Exhibit 1; and,

WHEREAS, CIPS has offered to provide the real estate described on Exhibit 1 and each parcel thereof with another source of water other than that contained in the aquifer lying thereunder; and,

WHEREAS, the parties hereto believe that the City of Taylorville will provide water to the said real estate from the public water supply of the City of Taylorville provided that the parties hereto enter into a pre-annexation agreement with the City of Taylorville; and,

WHEREAS, the parties hereto are willing to enter into a pre-annexation agreement to allow such annexation to supply public water, provided certain conditions stated herein are met; and,

WHEREAS, the parties hereto are willing to grant certain underground easements to lay water lines and to construct

said lines so as to provide water from the City of Taylorville to each party's tract as described on Exhibit 1, and to complete a "loop" connection with the existing City of Taylorville Water Distribution System; and,

WHEREAS, CIPS is willing to pay all costs of constructing said loop, and further to pay all tapping fees and other costs stated herein for each parcel of real estate described on Exhibit 1 and identified herein as Tracts A through J inclusive, and to connect that extended water distribution system to the foundation of any single residence constructed on the Tracts identified as A through J inclusive within thirty (30) days of the construction of each such foundation and written notice from the owner thereof to CIPS that such residence is ready for installation of a connection line from the public water distribution system to its foundation, provided each such foundation is constructed before the date of this Agreement or within ten (10) years from the date hereof.

NOW, THEREFORE, in consideration of the reciprocal promises, covenants, and undertakings stated herein of each of the parties hereto, and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the parties hereto agree as follows:

A. Water Supply in Lieu of Wells.

1. CIPS agrees to design, construct, and install, at the expense of CIPS, and pursuant to applicable specifications contained in the City Code of the City of Taylor-

ville, and in any rule or regulation of any agency of said City, Christian County, the State of Illinois, or the United States of America having jurisdiction over said real estate or over public water transmission and distribution systems, an underground water distribution line commencing at Tract C and running generally south along the westerly side of Tracts C, D, E, F, H and I, extending to points further south of the properties owned by the parties hereto, and returning from said other property north across Tracts G, J, and B to complete a "loop" connection with the existing City of Taylorville Water Distribution System, all across and beneath the Tracts referred to above on the easements hereinafter more particularly described and as shown on Exhibit 2. The installation of said "loop" shall be completed within ninety (90) days of the execution of a pre-annexation agreement by all of the parties hereto and the City of Taylorville and the issuance of any necessary permits. CIPS agrees and covenants that it will use all reasonable efforts and diligence to acquire all necessary permits in a timely and expeditious manner. If the same is not installed in said ninety (90) day period, extended only by construction delays caused by strikes, inclement weather or other external events or causes not within the control of CIPS, then CIPS shall pay to the owners of each of the Tracts described on Exhibit 1, excepting CIPS, as and for liquidated and agreed damages for such delay, the sum of One Hundred Dollars (\$100.00) per day after the said ninety (90) day period expires.

2. CIPS shall acquire at its cost and expense any easements across and beneath any property not described on Exhibit 1, and, in addition to the design, construction and installation of the aforescribed water transmission and distribution line, shall install at the cost of CIPS a connection line from the transmission and distribution line to the foundation of one residence constructed on each Tract described on Exhibit 1 within thirty (30) days of the construction of the foundation of such residence and written notice to CIPS from the owner thereof requesting such connection, provided that such foundation be constructed before the date hereof or within ten (10) years of the date hereof; and CIPS further agrees to pay any and all tapping fees for each such connection completed within such period, and also the costs of any required devices, including but not limited to backflow devices and/or inspections to allow immediate tapping to the system as mandated by applicable City or County ordinances, State laws, rules or regulations in force at the time of connection.

3. Upon the completion of the design, construction and installation of the aforescribed water transmission and distribution "loop" within the time stated herein, CIPS shall convey the appropriate portions of the transmission and distribution line to the City of Taylorville, and the connecting service lines to the owners of the various parcels served thereby and after the same are accepted by the City of Taylorville as complying with all applicable speci-

fications of said City, Christian County, State of Illinois, and Federal governmental agencies having jurisdiction over the real estate or public water transmission and distribution systems, CIPS shall thereafter have no further responsibility for the maintenance, repair, or use of any of said lines.

4. All of the parties hereto agree to provide easements for the construction, installation and use of the aforescribed underground water transmission and distribution lines, which easements shall consist of a permanent easement 10' in width and a temporary adjacent construction easement of an additional 30' in width, all across and beneath a route generally described as running along the westerly side of Tracts C, D, E, F, H and I along and parallel with the easterly side of the public highway known as "Nokomis Road" in such location as the City of Taylorville and the Christian County Highway Department deems will not interfere with the maintenance, expansion and use of said public highway; and across Tracts G, J and B in the location identified on Exhibit 2 attached hereto and made a part hereof.

5. Said easements shall be granted without cost and made to CIPS which may then convey the same to the City of Taylorville, and will be in the form of Exhibit 3 attached hereto and incorporated herein by reference. Said easements shall be in the usual form for underground utility easements, including a restriction on construction of permanent improvements on the surface of the permanent easement strip, the

reservation by the owner for all other surface uses (expressly including the right to construct a driveway or roadway), and the requirement that the user of the easement restore the surface after any excavation or other work, whether for original construction and installation or subsequent repair, maintenance, enlargement, or the like, as well as to repair or pay compensation for any other damage to the surface caused by such work. No tree in excess of 6" in diameter shall be destroyed on the temporary construction easement, and CIPS agrees to require its engineers and contractors to consult with each property owner with regard to the placement of the underground water line within the limits of the 10' permanent easement as it may be reasonably adjusted to minimize damage to existing trees and shrubs.

6. All of the parties hereto agree and covenant that the use of all existing water wells shall cease, and those wells shall be abandoned, and no other water wells shall be drilled upon any of the parcels subject to this Agreement, nor will any subterranean water be intentionally brought to the surface by any means for any use whatsoever, including but not limited to human consumption, animal consumption, watering of lawns, trees, shrubs or crops, or any other purpose whatsoever; the only exceptions to this absolute prohibitive covenant being for testing purposes directed or approved by the Illinois Environmental Protection Agency or the United States Environmental Protection Agency, and the continued use of that subterranean well in existence

at the making of this Agreement on Tract I for the sole and limited use of operating a closed geothermal heating/cooling system. All of the properties subject to this Agreement described on Exhibit 1 shall use as their sole source of water for all purposes whatsoever, the public water supply provided by the City of Taylorville, or water otherwise transported to the premises.

7. All of the parties hereto acknowledge and agree that by reason of the ordinances and policies of the City of Taylorville, the connection to the public water system of that city as required by this Agreement will not be permitted without either all of the properties to be served by said proposed extension of the Taylorville water system being annexed into the corporate limits of the municipality of Taylorville, or the owners thereof having entered into a valid pre-annexation agreement as authorized by provisions of the Illinois Municipal Code, obligating the various parcels to become annexed to the City of Taylorville within a certain period of time, upon or after the occurrence of certain specified events.

8. The parties hereto agree to enter into a pre-annexation agreement provided the same does not alter any of the terms hereof, does not release any party hereto from any damage which otherwise may be owing to any other party hereto, and does not place any unreasonable restrictions on the real estate described in Exhibit 1, for the express purpose of permitting the construction and connection of the

aforescribed water transmission and distribution line as stated herein.

B. Lake Restoration.

1. CIPS agrees to pay the actual costs of the construction of an earthen dam generally situated along part of the easterly border of the properties subject hereto sufficient to raise the level of the surface of the lake to a minimum elevation of 598' above sea level. All of the parties hereto other than CIPS agree that they shall, as a formal or informal partnership, joint venture, or association, in consideration for CIPS bearing the costs as aforesaid, attend to the design and construction of the dam on the following terms:

a. The dam shall extend to the easterly border of the Seaman Estate property subject to this Agreement in that location as necessary to restore the lake as it previously existed;

b. The dam shall be of sufficient height to raise the water level of the surface of the lake to a minimum of 598' above sea level;

c. At least three competitive bids for the construction of the dam shall be obtained in writing, and the lowest reasonable bid accepted;

d. No sediment will be removed from the lake created by the dam without prior written approval of CIPS and the Illinois Environmental Protection Agency;

2. In further consideration for the undertakings of the other owners, in addition to paying the actual costs of the reconstruction of the earthen dam as aforesaid, CIPS will also pay the costs of acquiring and installing five sediment control structures known as "GABIONS" one each to be installed at five draws around the perimeter of the lake as depicted on the attached drawing marked Exhibit 4.

C. Permanent Covenant.

1. All of the parties hereto agree that in consideration for the substantial expenditures to be made by CIPS pursuant to this Agreement with regard to providing an alternate water supply and the reconstruction of the lake, that upon completion of the obligations undertaken herein by CIPS, they shall release and make no further claim against CIPS for any damage or loss accruing in the future caused by the inability to use all existing water wells and the abandonment thereof and the further inability to drill any other water wells upon any of the parcels subject to this Agreement, and the prohibition of intentionally bringing any subterranean water to the surface of the said parcels for any purpose whatsoever except as expressly allowed herein; and the parties further agree that by virtue of this Agreement CIPS, by its employees, agents and contractors, may go upon the property subject to this Agreement from time to time to obtain samples of water from the lake as required for future monitoring and sampling purposes as described in documents

previously submitted by CIPS to the Illinois Environmental Protection Agency.

2. The parties hereto acknowledge that this Agreement is not intended to release any claim or demand of any party against another party hereto, except as specifically stated herein.

3. All of the parties hereto acknowledge and agree that the terms, undertakings and covenants contained herein, including the prohibition against the drilling and use of underground water wells on any of the properties subject to this Agreement, are intended to be and shall be binding upon the parties hereto and all of their respective successors and assigns, and shall be covenants running with the land, confirmed and memorialized by recording a copy of this Agreement (or a memoranda of this Agreement referring only to the terms hereof prohibiting the drilling and use of underground water wells) with the Christian County Recorder of Deeds, and shall be enforceable by any party hereto and any subsequent owner of any property subject to this Agreement.

4. The parties hereto acknowledge and reaffirm the restrictive covenants contained in the respective deeds to the parties hereto for the tracts listed in Exhibit A with regard to the use of the property as private residential real estate, including the lake.

D. Miscellaneous Terms.

1. Time is of the essence of this Agreement.

2. The parties hereto agree and understand that no omission to exercise any right or remedy accruing or arising hereunder upon any breach or default of the terms, covenants, conditions or provisions of this Agreement, unless waived in writing by the non-breaching party, shall impair or preclude any of the parties hereto from exercising any of their rights or remedies hereunder, nor be construed as a waiver of any such breach or default, or of any subsequent, similar breach or default; nor shall any waiver of a single breach or default be deemed a waiver of any subsequent, similar breach or default; furthermore, that all rights and remedies provided for herein or otherwise provided by law shall be cumulative and may be exercised concurrently or separately.

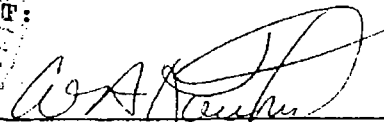
CENTRAL ILLINOIS PUBLIC  
SERVICE CO.

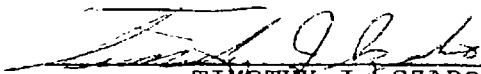
By   
Its Vice-President


18 AUG 87  
CCG



ATTEST:

  
Its Assistant Secretary

  
TIMOTHY J. SZABO

  
TRINA SZABO

  
ROGER WAREHAM


  
JOYCE WAREHAM

  
DONALD GOECKNER

  
IRMA J. GOECKNER

  
MICHAEL SPECHA

  
KAY SPECHA

  
WILLIAM R. APPLETON

  
MAUREEN APPLETON

  
ALAN DOBER

  
RUTH DOBER

Return to:

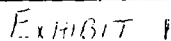
G.M. Jones  
Central Illinois Public Service Company  
607 E. Adams  
Springfield, IL 62701

CCG.JC.072787.2133.A.10

13

ET01-1919

84-3H



Tract #6

Beginning at an iron pipe on top of a stone on the centerline of the Taylorville-Nokomis Road at its intersection with the Southerly line of the Northeast Quarter of the Northwest Quarter of Section 34, Township 13 North, Range 2 West of the Third Principal Meridian, said stone being South 88° 32' 43" West a distance of 252.42 feet from the Southeast Corner of the Northeast Quarter of the Northwest Quarter of said Section 34, and thence extending North 18° 11' 20" West along the centerline of the Taylorville-Nokomis Road a distance of 436.32 feet to an iron pipe, thence extending North 88° 38' 05" East a distance of 608.58 feet to an iron pipe, thence extending South 2° 45' 22" East a distance of 417.00 feet to an iron pipe, thence extending South 88° 32' 43" West a distance of 492.42 feet to the point of beginning, containing 5.274 acres, more or less, subject to existing Rights of Way.

Tract #7

Beginning at an iron pipe set on the Southerly line of the Northeast Quarter of the Northwest Quarter of Section 34, Township 13 North, Range 2 West of the Third Principal Meridian at a point 492.42 feet North 88° 32' 43" East from an iron pipe on top of a stone on the centerline of the Taylorville-Nokomis Road at its intersection with the aforementioned Southerly line of the Quarter-Quarter Section, and thence extending North 88° 32' 43" East a distance of 284.90 feet to the Northwestern Right of Way Line of Route 48, thence extending North 52° 00' 54" East along said Northwestern Right of Way Line a distance of 91.88 feet to the Easterly line of the Northeast Quarter of the Northwest Quarter of Section 34, thence extending North 2° 45' 22" West along said Easterly line a distance of 911.45 feet, thence extending South 88° 32' 43" West a distance of 360.00 feet, thence extending South 2° 45' 22" East a distance of 996.15 feet to the point of beginning, containing 8.183 acres, more or less, subject to existing Rights of Way.

Alternate #7

The South 996.15 feet of the East 360.00 feet of the Northeast Quarter of the Northwest Quarter of Section 34, Township 13 North, Range 2 West of the Third Principal Meridian, containing 8.183 acres, more or less, subject to existing Rights of Way.

Tract #8

Beginning at an iron pipe and stone marking the Southeast Corner of the Southwest Quarter of Section 27, Township 13 North, Range 2 West of the Third Principal Meridian, and thence extending North 0° 00' 00" a distance of 659.00 feet to an iron pipe at the Northeast Corner of the South Half of the Southeast Quarter of the Southwest Quarter of Section 27 aforesaid, thence extending South 88° 57' 00" West along the Northerly Line of the South Half of the Southeast Quarter of the Southwest Quarter of said Section 27 a distance of 360.00 feet to an iron pipe, thence extending South 0° 00' 00" a distance of 660.95 feet to an iron pipe set on the South line of said Section 27 at a point South 88° 38' 24" West a distance of 360.00 feet from the point of beginning, thence extending South 2° 45' 22" East a distance of 331.51 feet, thence extending North 88° 32' 43" East a distance of 360.00 feet, thence extending North 2° 45' 22" West a distance of 330.91 feet to the point of beginning, containing 8.190 acres, more or less, subject to existing Rights of Way.

Alternate #8

The East 360.00 feet of the South Half of the Southeast Quarter of the Southwest Quarter of Section 27, Township 13 North, Range 2 West of the Third Principal Meridian, containing 5.15 acres, more or less, subject to Existing Rights of Way, and the East 360.00 feet of the Northeast Quarter of the Northwest Quarter of Section 34, except the South 996.15 feet thereof, containing 2.74 acres, more or less, subject to existing Rights of Way, all in Township 13 North, Range 2 West of the Third Principal Meridian, for a total of 8.190 acres, more or less.

The foregoing Plat and Survey Notes, together with this Certificate, constitute a proper record of this Survey.

All of which I hereby certify to be true and correct, to the best of my knowledge and belief, this 14th Day of September, 1984.

*Roger Mitchell*  
 Roger Mitchell  
 TAYLORVILLE, ILL.  
 2133  
 REGISTERED LAND SURVEYOR  
 Taylorville, Illinois Christian County  
 Survey Helpers Roger Mitchell  
 C. Brown  
 J. Purdy

CERTIFICATE OF SURVEY CONTINUED

84-3A

Part of the land in this Survey is within 500 feet of South Fork, which serves a tributary area of more than 640 acres.

Proper descriptions of the Tracts in this Survey are--All that part of Section 27 (for Tract Nos. 1, 2, and parts of Nos. 3 and 8), or all that part of Section 34 (for Tract Nos. 4, 5, 6, 7, and parts of Nos. 3 and 8) Township 13 North, Range 2 West of the 3rd Principal Meridian described as follows: #1

Beginning at an iron pipe set on the Northerly line of the South Half of the Southeast Quarter of the Southwest Quarter of Section 27, Township 13 North, Range 2 West of the Third Principal Meridian (centerline of Sherman Street) at a point South  $88^{\circ} 57' 00''$  West a distance of 360.00 feet from an iron pipe at the Northeast Corner of the South Half of the Southeast Quarter of the Southwest Quarter of Section 27 aforesaid, and extending thence South  $88^{\circ} 57' 00''$  West along the Northerly line of the South Half of the Southeast Quarter of the Southwest Quarter of Section 27 a distance of 373.56 feet to an iron pipe set on the Southeasterly Right of Way Line of the Wabash (N&W) Railroad, thence extending South  $48^{\circ} 43' 50''$  West a distance of 584.74 feet along said Southeasterly Right of Way Line to an iron pipe, thence extending North  $89^{\circ} 45' 02''$  East a distance of 813.02 feet to an iron pipe, thence extending North  $0^{\circ} 00' 00''$  a distance of 389.00 feet to the point of beginning, containing 5.249 acres, more or less, subject to existing Rights of Way.

Tract #2

Beginning at an iron pipe set North  $0^{\circ} 00' 00''$  a distance of 22.35 feet from an iron pipe on the South Line of Section 27, Township 13 North, Range 2 West of the Third Principal Meridian, said iron pipes being 360.00 feet West of the East Line of the Southwest Quarter of said Section 27, and thence extending North  $0^{\circ} 00' 00''$  parallel to and 360.00 feet from the East Line of the Southwest Quarter of said Section 27 a distance of 249.60 feet to an iron pipe, thence extending South  $89^{\circ} 45' 02''$  West a distance of 813.02 feet to an iron pipe set on the Southeasterly Right of Way Line of the Wabash (N&W) Railroad, thence extending South  $48^{\circ} 43' 50''$  West along the Southeasterly Right of Way Line aforesaid a distance of 148.12 feet to an iron bar set on the centerline of the Taylorville-Nokomis Road, thence extending South  $18^{\circ} 11' 20''$  East along said Taylorville-Nokomis Road centerline a distance of 177.70 feet to an iron pipe, thence extending North  $88^{\circ} 38' 24''$  East parallel to and 22.35 feet north from the South line of the Southwest Quarter of Section 27 a distance of 869.10 feet to the point of beginning, containing 5.254 acres, more or less, subject to existing Rights of Way.

Tract #3

Beginning at an iron pipe set on the South Line of the Southwest Quarter of Section 27, Township 13 North, Range 2 West of the Third Principal Meridian at a point South  $88^{\circ} 38' 24''$  West a distance of 360.00 feet from the Southeast Corner of the Southwest Quarter of said Section 27, and thence extending North  $0^{\circ} 00' 00''$  a distance of 22.35 feet to an iron pipe, thence extending South  $88^{\circ} 38' 24''$  West parallel with and 22.35 feet north from the South line of said Southwest Quarter of Section 27 a distance of 869.10 feet to an iron pipe set on the centerline of the Taylorville-Nokomis Road, thence extending South  $18^{\circ} 11' 20''$  East a distance of 23.52 feet to an iron pipe set on the South line of the aforementioned Southwest Quarter of Section 27 at its intersection with the centerline of the Taylorville-Nokomis Road, thence continuing South  $18^{\circ} 11' 20''$  East along the centerline of the Taylorville-Nokomis Road a distance of 266.65 feet to an iron pipe, thence extending North  $88^{\circ} 31' 08''$  East a distance of 790.73 feet, thence extending North  $2^{\circ} 45' 22''$  West a distance of 253.65 feet to the point of beginning, containing 0.444 acres, more or less, in Section 27, and 4.826 acres, more or less, in Section 34, for a total acreage of 5.270 acres, more or less, subject to existing Rights of Way.

Tract #4

Beginning at an iron pipe set on the centerline of the Taylorville-Nokomis Road at a point South  $18^{\circ} 11' 20''$  East a distance of 467.87 feet from an iron bar set on the Southeasterly Right of Way Line of the Wabash (N&W) Railroad at its intersection with the aforesaid centerline of the Taylorville-Nokomis Road, and thence extending South  $18^{\circ} 11' 20''$  East a distance of 319.70 feet along said Road centerline to an iron pipe, thence extending North  $92^{\circ} 34' 38''$  East a distance of 705.67 feet, thence extending North  $2^{\circ} 45' 22''$  West a distance of 307.00 feet, thence extending South  $88^{\circ} 31' 08''$  West a distance of 790.73 feet to the point of beginning, containing 5.265 acres, more or less, subject to existing Rights of Way.

Tract #5

Beginning at an iron pipe set on the centerline of the Taylorville-Nokomis Road at a point South  $18^{\circ} 11' 20''$  East a distance of 787.57 feet from an iron bar set on the Southeasterly Right of Way Line of the Wabash (N&W) Railroad at its intersection with the aforesaid centerline of the Taylorville-Nokomis Road, and thence extending South  $18^{\circ} 11' 20''$  East a distance of 364.80 feet along said Road centerline to an iron pipe, thence extending North  $88^{\circ} 38' 25''$  East a distance of 608.58 feet to an iron pipe, thence extending North  $2^{\circ} 45' 22''$  West a distance of 350.00 feet to an iron pipe, thence extending South  $88^{\circ} 34' 38''$  West a distance of 705.67 feet to the point of beginning, containing 5.273 acres, more or less, subject to existing Rights of Way.

GRANT OF EASEMENT

The Grantors, \_\_\_\_\_ and \_\_\_\_\_, husband and wife, of Christian County, Illinois, for and in consideration of the sum of One Dollar (\$1.00) in hand paid, grant to CENTRAL ILLINOIS PUBLIC SERVICE COMPANY, an Illinois corporation, an easement over, across and beneath the following described land for the purposes of installing, maintaining, repairing, renewing, replacing, using and operating a water transmission and distribution pipeline facility:

The undersigned Grantors, for themselves and their successors and assigns, reserve the right to fully use and enjoy the premises, except as the same may be necessary for the purposes herein granted, provided, however, that the Grantors shall not have the right to erect any building or structure on the above-described easement granted herein. The Grantee and its successors and assigns shall have the right to cut and keep clear trees, undergrowth and other obstructions that may injure, endanger, or interfere with the uses of the easement herein granted.

By the acceptance hereof, Grantee agrees to install the water transmission and distribution pipeline underground at a sufficient depth so that it will not interfere with the use of the surface of the lands. Grantee will restore the surface of the lands to substantially the same condition as

existed prior to any work performed pursuant to this easement which disturbs the surface, and Grantee shall also promptly pay any and all actual damages to crops, fences and land which is caused by any work conducted by the Grantee or its agents or contractors.

The water transmission and distribution line to be constructed and used on this easement is to be connected to and become a part of the City of Taylorville water system to serve the lands of the Grantors and other lands and structures located beyond Grantors' land. For that purpose Grantee shall have the right to assign this easement including all rights and obligations incidental to the use of the easement to the City of Taylorville at such time as the City of Taylorville accepts the water line as a part of the municipal water system.

STATE OF ILLINOIS     )  
                              )SS.  
COUNTY OF             )

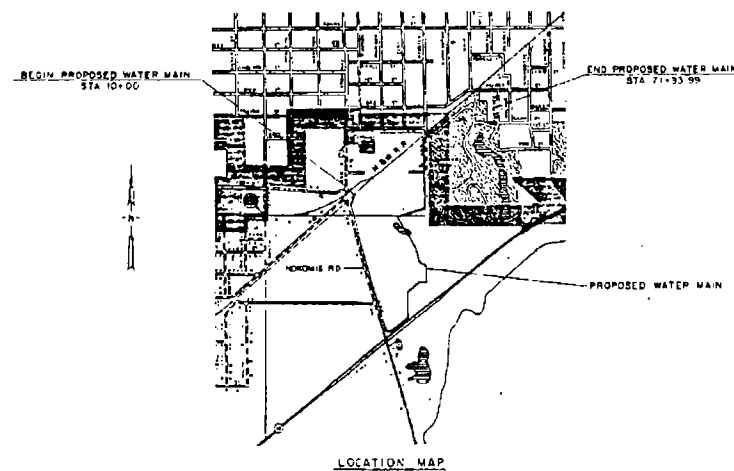
I, \_\_\_\_\_, a Notary Public in and for said County and State aforesaid, DO HEREBY CERTIFY that \_\_\_\_\_ and \_\_\_\_\_, husband and wife, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, did appear before me this day in person and acknowledge that they signed the foregoing instrument as their free and voluntary act for the uses and purposes therein set forth.

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 1987.

\_\_\_\_\_  
Notary Public



SEAMAN ESTATE SUBDIVISION AND ENVIRONS  
TAYLORVILLE, ILLINOIS

[illegible]

FILE NO.	355308	SCALE
DATE	4-10-87	PCUS
APPROVED		
SIGNATURE	M. A. B.	

PROPOSED WATER MAIN  
SEAMAN ESTATE SUBDIVISION AND ENVIRONS  
TAYLORVILLE, ILLINOIS  
FOR  
CENTRAL ILLINOIS PUBLIC SERVICE CO  
SPRINGFIELD, ILLINOIS



SEARCHED	INDEXED
SERIALIZED	FILED
JUN 11 1964	
FBI - NEW YORK	



[illegible]

Contour interval = 2

DATE	SCALE
------	-------

2-11604 W	1.12
-----------	------

6-10-27	0503
---------	------


--	--

— 46.8

— 2 —

PROPOSED WATER MAIN  
SEAMAN ESTATE SUBDIVISION AND ENVIRONMENTAL  
TAYLORVILLE, ILLINOIS  
FOR  
CENTRAL ILLINOIS PUBLIC SERVICE CO  
SPRINGFIELD, ILLINOIS



Drawn by	no
3	
Sheet of	

ASSIGNMENT OF EASEMENTS AND  
DEDICATION OF WATER DISTRIBUTION FACILITIES

Pursuant to that certain Annexation Agreement made August 25, 1987 by and among the City of Taylorville and the several owners of parcels of land commonly known collectively as the "Seaman Estate" consisting of approximately 47.95 acres, more or less, which Agreement was recorded in the Recorder's Office of Christian County, Illinois on October 27, 1987 as Document Number 87-24021; one of said owners, Central Illinois Public Service Company ("CIPS") having completed the operations undertaken in that Agreement with respect to the construction of a water distribution line connected to the existing public water system of the City of Taylorville, hereby makes the representations to the City of Taylorville and assigns the water distribution line as constructed and in use, all as described herein below;

WHEREAS, the terms of an agreement dated August 21, 1987 made by and among CIPS and the other "Seaman Estate" owners, together with the aforementioned Annexation Agreement between all of those owners and the City of Taylorville dated August 25, 1987 provided for CIPS to acquire all necessary easements and permits, and to bear all expenses of surveying, engineering, materials, labor, and inspections, to construct and install an extension of the then existing public water distribution system of the City of Taylorville lying to the South of the Norfolk & Western Railroad Right-Of-Way, very generally described as running around the perimeter of an area bounded on the West by

Christian County Highway No. 1 commonly known as "Nokomis Road", on the South by Illinois Route 48, and on the East by Manners Park (and a line formed by extending the westerly boundary of Manners Park due South to intersect with Illinois Route 48);

WHEREAS, all of the necessary easements were acquired, all of the construction work has been completed, and the extended water line has been in regular use for a period of more than one year having met all of the specifications and requirements of the City of Taylorville;

WHEREAS, each of the easements were acquired in writing, expressly providing that they could be, and were intended to be, assigned by CIPS to the City of Taylorville along with the water line installed by authority of each such easement;

NOW, THEREFORE, in accordance with the terms of the written Agreement between the City of Taylorville and CIPS dated August 25, 1987, CIPS hereby assigns and the City hereby accepts the following easements, each identified by Grantor, date made, dated recorded in the Christian County Recorder's Office, and the Recorder's document number:

MICHAEL T. SPECHA and KAY A. SPECHA  
Dated: August 17, 1987  
Recorded: October 21, 1987  
Document Number: 87-23941

TIMOTHY J. SZABO and TRINA SZABO  
Dated: August 17, 1987  
Recorded: October 21, 1987  
Document Number: 87-23942

ROGER E. WAREHEM and JOYCE J. WAREHEM  
Dated: August 17, 1987  
Recorded: October 21, 1987  
Document Number: 87-23943

ALAN DOBER and RUTH DOBER  
Dated: August 17, 1987  
Recorded: October 21, 1987  
Document Number: 87-23944

WILLIAM R. APPLETON and MAUREEN E. APPLETON  
Dated: August 17, 1987  
Recorded: October 21, 1987  
Document Number: 87-23945

DONALD A. GOECKNER and ERMA J. GOECKNER  
Dated: August 17, 1987  
Recorded: October 21, 1987  
Document Numbers: 87-23946

DONALD A. GOECKNER and ERMA J. GOECKNEP  
Dated: August 17, 1987  
Recorded: October 21, 1987  
Document Numbers: 87-23947

DONALD A. GOECKNER and ERMA J. GOECKNER  
Dated: August 17, 1987  
Recorded: October 21, 1987  
Document Numbers: 87-23948

ILLINI TANK CORPORATION  
Dated: July 10, 1987  
Recorded: September 15, 1987  
Document Number: 87-23313

CARL TUCKER  
Dated: July 24, 1987  
Recorded: September 15, 1987  
Document Number: 87-23315

ALICE L. HUNT  
Dated: July 24, 1987  
Recorded: September 15, 1987  
Document Number: 87-23316

CLARENCE W. DOOLEY and GLADYS DOOLEY  
Dated: July 9, 1987  
Recorded: September 15, 1987  
Document Number: 87-23317

ROBERT N. EGGERMAN and JULIE EGGERMAN  
Dated: March 18, 1988  
Recorded: March 23, 1988  
Document Number: 88-1572

In addition to the foregoing easements acquired by the CIPS and hereby assigned to the City of Taylorville, CIPS has, of even date herewith, granted an easement across the portion of the "Seaman Estate" owned by CIPS (Tract #8) for the portion of the water line traversing said lands owned by CIPS.

CIPS also hereby dedicates, assigns, and conveys to the City of Taylorville all of the water distribution facilities in place across and beneath all of the easement strips as hereby assigned.

The City of Taylorville, pursuant to the terms of the Annexation Agreement dated August 25, 1987, hereby accepts the easements assigned, and the dedication and conveyance of all that water pipeline in place across and beneath those easements, acknowledging that Central Illinois Public Service Company shall have no further right, title, interest, or obligation in, to, or regarding said water distribution pipeline.

CENTRAL ILLINOIS PUBLIC SERVICE  
COMPANY

ATTEST:

*J. Klumpp*  
Assistant Secretary

By:

*[Signature]*  
Vice President

APPROVED  
SORLING, NORTHRUP, HANNA  
CULLEN AND COCHRAN, LTD.

BY

DATE

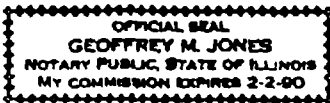
*[Signature]*  
19 April 1989

CCG.KRW.030389.2133.A.4.

STATE OF ILLINOIS )  
 ) SS.  
COUNTY OF SANGAMON )

I, Geoffrey M. Jones, a Notary Public in and  
for the County and State aforesaid, DO HEREBY CERTIFY THAT  
R. G. Lane and J. K. Smith,  
personally known to me to be the Vice President and Assistant  
Secretary, respectively, of CENTRAL ILLINOIS PUBLIC SERVICE  
COMPANY, whose names are subscribed to the foregoing instru-  
ment, appeared before me this day in person and acknowledged  
that as such Vice President and Assistant Secretary they  
signed, sealed, and delivered the foregoing instrument as  
their free and voluntary act and as the free and voluntary  
act and deed of said corporation for the uses and purposes  
therein set forth, pursuant to the authority of its Board of  
Directors.

GIVEN under my hand and Notarial Seal this 24th day of  
April, A.D. 1989.



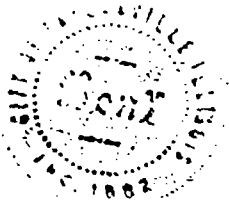
Geoffrey M. Jones  
Notary Public

CITY OF TAYLORVILLE

ATTEST:

By: J. C. Sun  
Mayor

Quail E. Armstrong  
City Clerk



STATE OF ILLINOIS } SS No. \_\_\_\_\_  
CHRISTIAN COUNTY }

Filed for record on the 6 day  
of July A.D. 1989  
at 9:45 o'clock A.M.

Charles Bell  
Recorder

CCG.ARW.030389.2133.A.4.

The  
Illinoi  
Springf  
conside  
City o  
County,  
followi  
maintai  
operat  
facili

A  
A  
record  
416 as  
Quarte  
east Q  
13 Nor  
partic

10 fe  
paral  
attac

CCG.F