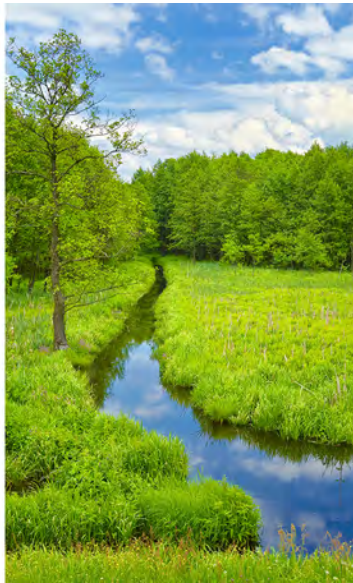




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Report

2014 Annual Monitoring Report RCRA Corrective Action IND 980 700 801

2915 Dr. Martin Luther King Jr. Boulevard, Anderson, IN
Revitalizing Auto Communities Environmental Response Trust

Prepared for: Indiana Department of Environmental
Management

Conestoga-Rovers & Associates

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List of Acronyms/Short Forms

1,1-DCE	1,1-dichloroethene
mg/L	milligram per liter
AOC	area of concern
AOI	areas of interest
bgs	below ground surface
cis-1,2-DCE	cis-1,2-dichloroethene
CM	corrective measures
CMP	corrective measures plan
CRA	Conestoga-Rovers and Associates
DO	dissolved oxygen
ENVIRON	ENVIRON International Corporation
EPA	Environmental Protection Agency, US
FEMA	Federal Emergency Management Agency
FMG	Field Method Guideline
GMC	General Motors Corporation
HRC	hydrogen release compound
ID	sample identification
IDEM	Indiana Department of Environmental Management
IDNR	Indiana Department of Natural Resources
IDW	investigative derived waste
IM	Interim Measure
MNA	Monitored Natural Attenuation
MCL	Maximum Contaminant Level
MLK	Martin Luther King Jr.
MS/MSD	matrix spike/matrix spike duplicate
NAVD	North American Vertical Datum
ORP	oxidation reduction potential
POTW	publicly owned treatment works
RACER	Revitalizing Auto Communities Environmental Response
RCRA	Resource Conservation and recovery Act
RFI	RCRA Facility Investigation
RISC	Risk Integrated System of Closure
SWMU	Solid Waste Management Unit

**List of Acronyms/Short Forms
(Continued)**

TCE	trichloroethene
TCL	target compound list
trans-1,2-DCE	trans-1,2-dichloroethene
U.S.	United States
VOC	volatile organic compound
WWTP	wastewater treatment plant

Section 1.0 Introduction

Conestoga-Rovers and Associates (CRA), on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust, has prepared this 2014 Annual Monitoring Report (Report) for the RACER Trust facility located at 2915 Dr. Martin Luther King Junior Boulevard in Anderson, Indiana (Site).

This Report has been prepared to summarize the results of groundwater and surface water monitoring conducted at and near the Site in 2014. This report is submitted to the Indiana Department of Environmental Management (IDEM) in support of ongoing Resource Conservation and Recovery Act (RCRA) Corrective Action at the Site. The monitoring was conducted pursuant to the Site-wide Groundwater Monitoring Plan (AECOM, October 28, 2010), subsequent recommendations made in the 2010 Annual Groundwater Monitoring Report (AECOM, January 2011), request for modifications to the Site-wide Groundwater Monitoring Plan (CRA, April 2012), conclusions presented in the 2013 Annual Groundwater Monitoring Report (CRA, February 2014), and discussions between IDEM and RACER Trust in 2014.

1.1 Objectives

The Site-wide groundwater monitoring program was intended to be implemented concurrent to the final corrective measures at the Site. As such, the primary objectives of the Site-wide groundwater monitoring are to:

1. Evaluate the effectiveness of the proposed in-situ corrective measures (CM) for groundwater
2. Monitor the stability of the two volatile organic compound (VOC) plumes

As final corrective measures have not been implemented to date, this report has been prepared to present the stability analysis of the VOC plumes as updated with 2014 data. As appropriate, this Report supplements findings of the Final RCRA Facility Investigation (RFI) Report (Earth Tech, Inc. and ENVIRON, June 2011) and the previous annual groundwater monitoring reports (Earth Tech, Inc. and ENVIRON, January 31, 2007; Earth Tech, Inc., January 31, 2008; AECOM, February 27, 2009, April 26, 2010, January 31, 2011, and January 31, 2012; and CRA February 2013 and January 2014). It is noted that the historical information in this Report is largely cited from the 2011 Annual Groundwater Monitoring Report (AECOM, 2012), prepared by others.

Section 2.0 Groundwater Monitoring Overview

2.1 Site Description

The Site is located in the northwest quarter of Section 23, T19N, R7E, on the southwest side of Anderson, Madison County, Indiana. Formerly, the Site comprised approximately 3,000,000 square feet of manufacturing area situated on 234 acres. Martin Luther King Junior (MLK) Boulevard divides the Site in a north-south direction. General Motors Corporation (GMC) previously conducted automotive parts manufacturing operations in plants on both sides of MLK Boulevard. The former east manufacturing areas (Plants 6 and 9) are bounded by MLK Boulevard on the west, by a railroad on the south, by 29th Street on the north, and by Madison Avenue on the east. A Site location map is provided on Figure 1 and a Site plan is provided on Figure 2.

The manufacturing facilities west of MLK Boulevard, referred to as the Main Plant, were bounded on the west, south and southeast by railroad tracks, and on the north by 25th Street. Facility parking areas were located west of the westernmost railroad, and north of 25th Street. Formerly developed areas of the property were largely covered with asphalt or concrete. Land use surrounding the Site varies from residential and commercial on the north and east, residential and recreational on the south, and agricultural on the west. A small public-access park is located in the northwest part of the property. The Meadowbrook Golf Course is located southeast of the Site.

GM began operations at the MLK Boulevard facility in 1929. Manufacturing plants were expanded several times, generally proceeding from the north end of the Main Plant southward and eastward. East of MLK Boulevard, Plant 9 construction commenced in 1969, and building additions were performed in 1973, 1977, 1981, 1985, 1986 and 1989. Manufacturing operations on the Site ceased in 2006. All facilities west of MLK Boulevard were demolished during the period of late 2007 to early 2009. The demolition included the removal of all concrete building slabs and many areas of pavement around the immediate Main Plant building area. Following demolition, the area was regraded and covered with varying thicknesses of crushed concrete. A soil and vegetative cover were applied during the summer of 2009. The former Main Plant building location is now an open field.

The former Plant 6 and 9 properties and a lot east of Madison Avenue were sold soon after related manufacturing operations ceased in 1997. The remaining portions of the property were held by GMC until its bankruptcy in June 2009 and are currently owned by the RACER Trust. The RACER Trust was created in March 2011 by the United States (U.S.) Bankruptcy Court to clean up and position for redevelopment certain properties and other facilities owned by

former GMC before the 2009 bankruptcy. The Site boundary, historical operations, and Areas of Interest (AOIs) are provided on Figure 3.

2.2 Hydrologic Setting

2.2.1 Physiography

The Site is situated in the New Castle Till Plains and Drainage ways Section of the Central Till Plain Region as described by Gray (2000). This area was affected by multiple continental glaciations that deposited a thick blanket of glacial sediments over the bedrock. The New Castle Till Plains and Drainage ways Section is primarily underlain by complexly stratified glacial diamict deposits, glaciofluvial sand and gravel deposits and glaciolacustrine silt and clay deposits. The area is characterized by broad plains of low relief crossed by relict glacial meltwater valleys (2011 Annual Groundwater Monitoring Report, AECOM, January 31, 2012).

2.2.2 Stormwater/Surface Water Drainage

The Site area is nearly level with elevations ranging from 860 to 880 feet North American Vertical Datum (NAVD) 88. East of MLK Boulevard the elevation is lowest, and the surface elevation descends into a relict glacial meltwater valley. Former Plant 9, Plant 6, and the Meadowbrook Golf Course are all located in the relict meltwater valley, the western border of which roughly follows the alignment of MLK Boulevard. This valley trends south-southwest from Anderson, Indiana several miles towards Pendleton, Indiana (Brown and others, 2003). A small channelized stream, Stanley Ditch, occupies the north end of the relict meltwater valley and drains westward along the south boundary of the Meadowbrook Golf Course. Stanley Ditch originally flowed to the north between former Plant 6 and Plant 9 but was diverted southward in 1963 to provide stormwater relief for the City of Anderson combined sewer system. As a result, Stanley Ditch is now tributary to Prairie Creek and flows to the south down the trend of the valley to Pendleton, Indiana where it joins Fall Creek, a tributary to the West Fork White River.

Stormwater run-off from paved areas of the property either infiltrates the ground surface or is directed to the combined sewer system that discharges north to the City of Anderson Publicly Owned Treatment Work (POTW) on the West Fork White River. The combined sewer system flows northward across the Meadowbrook Golf Course property and beneath former Plant 9 up the trend of the relict meltwater channel. Stormwater on the northern portion of the Meadowbrook Golf course property is directed through piping, and discharges to ponds. Stormwater in the southern portion of the Meadowbrook property drains southward toward Stanley Ditch that flows along the southern and eastern property boundaries of the golf course.

A drainage divide between Stanley Ditch and Prairie Creek, draining to the south, and the combined sewer system, draining north to West Fork White River, appears to occur near the south side of former Plant 9, perhaps near and along the South Anderson Cutoff railroad embankment. Areas to the south of the railroad embankment, including most of the Meadowbrook Golf Course, are floodway and floodway fringe areas subject to flooding (FEMA, February 18, 1994). (2011 Annual Groundwater Monitoring Report, AECOM, January 31, 2012).

2.2.3 Hydrogeology

Figure 4 presents a generalized, schematic east-west hydrogeologic cross section of the unconsolidated materials at the Site showing monitoring well completion intervals. The unconsolidated deposits range from less than 20 feet to over 160 feet in thickness and overlie an irregular bedrock surface. Bedrock beneath the Site consists of carbonate rocks of Silurian age. The bedrock topography beneath the Site slopes to the northwest into a pre-glacial bedrock valley. The bedrock is high (above 840 foot elevation) in the southern portion of the former Plant 9 area and at the Meadowbrook Golf Course. Bedrock is generally only about 20 feet below ground surface (bgs) in this area as a result of both the high bedrock elevation and low ground surface elevation in the relict meltwater valley area east of MLK Boulevard. To the northwest, the bedrock elevation descends to below 730 foot elevation at former groundwater production well 11 and the bedrock in this area is in excess of 158 feet bgs.

Detailed hydrogeologic cross sections are presented in both the Stage II RFI Data Report (Earth Tech, March 30, 2005) and the RFI Final Report (Earth Tech and ENVIRON, September 28, 2007). Five distinct geologic units are recognized in the unconsolidated surficial soil materials. These units are identified from top to bottom as Units 1 to 5.

Unit 1 is a heterogeneous fill material consisting of silty clay loam, silty clay, sandy clay, sandy clay loam, and loam texture soil intermixed, in places, with debris consisting of wood, brick, glass, brick, concrete, coal fragments, and cinders. The unit consists of fill material placed at various times during the developmental history of the property and is generally no more than a few feet in thickness. In places, the lower portion of the Unit 1 fill is saturated and a localized perched groundwater zone occurs. The clayey diamicts in the underlying Unit 2 confining unit cause this perched groundwater condition. Saturated conditions have been observed in the basal portion of Unit 1 in several shallow AOC 1 – South Court Area soil borings.

Unit 2 is a glacial diamict of silty clay loam, silty clay, and loam texture with occasional thin, interbedded sand and gravel deposits. Sand and gravel lithologies make up a small percentage of the unit. Unit 2 is thin in southern and eastern parts of the Site, but thickens to the north and west.

Unit 3 consists of stratified sand and gravel and forms the uppermost aquifer beneath the Site. In places, a diamict occurs within Unit 3 and is identified as the Unit 3 Confining Bed. At some locations the confining bed is represented by a distinctive silty texture and laminated structure. The confining bed is hydrologically significant because it separates the Unit 3 aquifer into an upper portion (Unit 3S) and lower portion (Unit 3D). Unit 3 is generally only 10 to 20 feet thick in the eastern part of the Site beneath the meltwater valley. The unit thickens appreciably in the western part of the area where it forms the major portion of the unconsolidated deposits.

Unit 3 is almost entirely within the phreatic zone and is the uppermost aquifer unit at the Site. Groundwater may exist in the unit under both confined and unconfined conditions. Where the base of Unit 2 is relatively high in elevation, the upper few feet of Unit 3 are unsaturated, and unconfined conditions occur. At locations where the base of Unit 2 is relatively low in elevation the top of Unit 3 is saturated, and confined conditions occur.

Conceptually, Unit 3 may be divided into an upper (Unit 3S) and lower (Unit 3D) part. In those places where there is no physical separation between the upper and lower parts of the unit provided by the Unit 3 Confining Bed, the designations 3S and 3D merely provide a convenient way to refer to the upper and lower portions of the Unit 3 aquifer, and the monitoring wells completed therein. Where a physical separation occurs due to the presence of the Unit 3 Confining Bed, Unit 3S refers to that portion of the aquifer above the confining layer and Unit 3D refers to that portion below the confining layer. Locally, the Unit 3 Confining Bed induces a downward vertical gradient within the Unit 3 aquifer. Where the confining bed is absent, water levels in Units 3S and 3D are comparable.

The lateral groundwater gradient in Unit 3S is directed to the east-northeast in AOC 1 - South Court Area. Locally there are significant variations in the magnitude and direction of the gradient related, in part, to the presence or absence of the Unit 3 Confining Bed. An east-southeast oriented potentiometric trough in Unit 3S persistently occurs in the vicinity MW 40, MW 42, and MW 68 where the confining bed is absent. In this area groundwater flow in Unit 3S appears to be directed easterly into the relict meltwater valley.

The hydraulic gradient for Unit 3D is more consistent and the potentiometric surface for this unit suggests an eastward gradient in the South Court Area and along MLK Boulevard into the relict meltwater valley. The north-northeast / south-southwest oriented relict meltwater valley at former Plant 9 and the Meadowbrook Golf Course appears to induce a hydraulic gradient to the south along its axis. Contaminants in the lower portion of Unit 3 would be expected to move generally eastward and then southward near the former wastewater treatment plant (WWTP) area.

Unit 4 consists of hard diamict of loam or clay loam texture. The unit forms a confining bed between Unit 3 and Silurian carbonate bedrock. The unit is absent from the eastern part of the area at Plant 9 and portions of the adjacent Meadowbrook Golf Course.

Two deep bedrock borings at the north end of the Site (MW 62 and MW 71) encountered a bed of cobbles above the bedrock surface. This zone is referred to as Unit 5. The unit was encountered at no other locations. (2011 Annual Groundwater Monitoring Report, AECOM, January 31, 2012).

2.3 Previous Groundwater Investigations

The following sections summarize groundwater investigations that have been conducted at the Site. Monitoring wells on and adjacent to the Site have been installed at various times. There are currently a total of 90 monitoring wells in the area as shown on Figure 2. The earliest Site wells (MW 1 to MW 17) were installed in 1992 and 1993 for the purposes of evaluating a suspected waste oil leak at Area 1 – Former Waste Oil Tank [Solid Waste Management Unit (SWMU) 16]. The longest monitoring history exists for these wells. Most of the 1992 – 1993 wells were installed in Unit 3S. No evidence of a significant waste oil leak was found at SWMU 16, but elevated concentrations of VOCs, primarily trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride were detected in several wells in this area. These wells are now known to be located in and around a source area for the Area 1 – South Court VOC plume, as described later in the report.

Work associated with RFI Stage I in 2000 – 2001 included installation of 20 new monitoring wells (MW 18 to MW 37) and collection of 85 groundwater samples from new and existing wells. The new wells were completed in Units 1, 3S, and 3D. The Stage I investigations partially delineated a groundwater VOC plume extending north and east from AOC 1 - South Court. This plume was found to lie underneath several previously-defined AOIs and was referred to as Area 1. The Stage I RFI investigations identified concentrations of TCE, cis-1,2-DCE, and vinyl chloride above screening criteria based on state and federal Maximum Contaminant Levels (MCLs). A Stage I RFI report was completed in 2001, and this report included a work plan for additional groundwater delineation work in both on and off-Site areas (Earth Tech and ENVIRON, July 31, 2001).

In 2001 a Phase II Environmental Site Assessment was conducted in the north parking area and three monitoring wells (MW1-01 to MW3-01) were installed.

Stage II RFI investigations began in late 2003. Work associated with the Stage II RFI in 2003 – 2005 included installation of 47 monitoring wells (MW 38 to MW 84) and collection of 182 groundwater samples from both new and existing wells. Area 1 was expanded to include

Plant 9 as well as off-Site areas including Meadowbrook Golf Course. Seven wells (MW-1 to MW-7) were installed on the golf course by others in 2003. Sampling of MW-4 in October 2003 indicated that high concentrations of cis-1,2-DCE and vinyl chloride were present. Additional wells (MW 56, 57, 58, 77, and 85) were installed by GMC on the golf course in 2004 and 2007 to delineate the VOC plume southeast of MW-4. These and other RFI Stage II monitoring wells delineated the concentrations of TCE, cis-1,2-DCE, and vinyl chloride above MCLs both on and off-Site (Earth Tech and ENVIRON, September 28, 2007).

Three additional monitoring wells (MW 86, MW 87, and MW 88) were installed on the Plant 9 property in October 2010 to provide additional downgradient plume delineation. One well was installed downgradient of MW49 (MW89-11) in 2011 to provide additional downgradient plume delineation in proximity to nearby residential land use. In 2012 and 2013, three monitoring wells (MW90-12, MW91-12, and MW92-13) were installed near a recently identified AOI referred to as former Bay M26/M27 to assess groundwater quality in the vicinity of the AOI, not previously investigated. In 2013, four monitoring wells (MW 93-13 to MW 96-13) were installed to delineate the horizontal extent of groundwater impacts at the perceived source area for the former WWTP Area plume. In 2014 one monitoring well (MW97-14) was installed to monitor the plume stability beneath the Meadowbrook Golf Course.

Seventeen monitoring wells (MW 1-01, MW2-01, MW3-01, MW 11, MW 24, MW 25, MW 34, MW35, MW 52, MW 53, MW 54, MW 55, MW 69, MW 70, MW 71, MW 72, and MW 73) north and west of the former main manufacturing areas, upgradient of the VOC plumes, and not a part of the IDEM approved GMP were abandoned in March and April 2014.

From October 2005 until October 2007 GMC conducted quarterly monitoring of a selected group of monitoring wells according to an interim Site-wide groundwater monitoring plan (Conestoga-Rovers & Associates, September 20, 2005). This work was conducted for nine consecutive quarters ending in October 2007. Summary results from this monitoring have been provided in the previous 2006 and 2007 Annual Groundwater Monitoring Reports (Earth Tech and ENVIRON January 31, 2007, January 31, 2008). An additional round of groundwater monitoring was conducted in February 2008.

The interim monitoring program was replaced by a Site-wide Groundwater Monitoring Plan associated with the draft Final Corrective Measures Proposal (CMP) for the facility. This program consists of semiannual sampling at a modified well list with sampling of two surface water monitoring points on the Meadowbrook Golf Course conducted three times per year. The sampling plan for this program (AECOM, October 28, 2010) was approved by the IDEM on November 24, 2010. Sampling under this program has been conducted since June 2008. (2011 Annual Groundwater Monitoring Report, AECOM, January 31, 2012).

2.4 Area 1 – South Court And Related Areas

The groundwater contaminate plumes at the Site are associated with Area 1 – South Court and Related Areas. Previous isoconcentration maps for Unit 3 suggest there are two separate VOC plumes. One plume is associated with Area 1 – South Court. The AOC 1 – South Court plume extends in a northeast direction from the South Court beneath several SWMUs in the former Main Plant building area. The predominant VOC contaminants detected in this area are TCE, cis-1,2-DCE, and vinyl chloride. The highest reported concentrations of TCE in this plume are found in the South Court at MW 3 (Unit 3S) and MW 15 (Unit 3S) and MW 31R (Unit 1). Perched groundwater in Unit 1 appears to serve as a source area for VOC contaminants in Unit 3. These VOC contaminants are present in both the 3S and 3D portions of Unit 3, but concentrations are generally higher in the upper portion of the unit.

A separate plume is located along and east of MLK Boulevard. The primary evidence for separation of this plume from the AOC 1 – South Court plume comes from five Unit 3S wells located between the plumes where VOCs have not been detected, or detected at only very low levels (MW 16, MW 17, MW 46, MW 57 and MW 84). The VOC plume east of MLK Boulevard extends from an apparent source near MW 68 and the former WWTP along MLK Boulevard eastward toward former Plant 9 and the Meadowbrook Golf Course. The plume has migrated to the south to at least MW 85 on the golf course. This plume is referred to as the former WWTP Area plume. The predominant VOC constituents detected in this area are cis-1,2-DCE, and vinyl chloride. TCE is only a minor plume component. (2011 Annual Groundwater Monitoring Report, AECOM, January 31, 2012).

2.5 Interim Measures

GMC implemented three interim measures (IMs) related to soil and groundwater at the Site. One interim measure included the removal of soil at the MW 31 area of area of concern (AOC) 1 – South Court that contained TCE concentrations that were an order of magnitude greater than the soil concentrations in other portions of the area. In addition to removing the soil in this area, perched groundwater in Unit 1 fill was treated with hydrogen release compound (HRC®) as a source control measure for TCE, cis-1,2-DCE, and vinyl chloride in Unit 1 and the underlying Unit 3 groundwater. During the IM, monitoring well MW 31 completed in the fill soil was removed. Following the IM a replacement well (MW 31R) was installed at the former MW 31 well location.

The second interim measure implemented by GMC included the abandonment of two potable wells at the Meadowbrook Golf Course and subsequent connection of the golf course to public water supply. In addition, GMC and the owners of the Meadowbrook Golf Course have entered

into an access agreement that prohibits the use of groundwater under the golf course property. The agreement does allow use of surface water from a pond on the property for irrigation purposes. Samples from this pond are regularly collected and analyzed for VOCs.

The third interim measure implemented by GMC included the abandonment and plugging of five former groundwater production wells on Site. This work was completed during the period April 30 to September 4, 2007 in accordance with Indiana Department of Natural Resources (IDNR) well abandonment rules (312 IAC 13). Abandonment activities included electrical disconnect, pump motor and pump column removal, and well grouting. The work followed a written work plan for well abandonment (Earth Tech, July 27, 2006) and was conducted by a licensed State of Indiana water well drilling contractor. The work is summarized in an Earth Tech memo dated November 16, 2007. (2011 Annual Groundwater Monitoring Report, AECOM, January 31, 2012).

Section 3.0 Groundwater And Surface Water Monitoring Activities

Groundwater and surface water monitoring activities were conducted in 2014 in general accordance with the Site-wide Groundwater Monitoring Plan, as modified. The Site-wide groundwater monitoring program includes 34 monitoring wells sampled annually with a subset of these wells sampled semi-annually. The surface water monitoring program includes sampling the Meadowbrook Golf Course Irrigation Pond during the spring, summer, and fall seasons. A summary of the Site-wide groundwater monitoring program is provided in Table 1. Monitoring well construction details are provided in Table 2.

3.1 Water Level Measurements

Water level measurements were collected during the April and October 2014 monitoring events. During the April 2014 event, water levels were generally collected from accessible monitoring wells included in the Site-wide groundwater monitoring program. During the October 2014 event, water levels were collected from all accessible monitoring wells. Some monitoring wells were not gauged during either event as they could not be located or were not accessible. The static groundwater elevations measured during the April and October 2014 monitoring events are summarized in Table 3, along with previous groundwater elevations measured in October 2013 for comparative reference.

3.2 Monitoring Well Sampling

There are currently 34 wells included in the annual monitoring activities as summarized in Table 1. Semi-annual groundwater monitoring was conducted by CRA between

April 11 and 16, 2014. Annual groundwater monitoring was conducted by CRA between October 20 and 29, 2014. A sample key summarizing the groundwater samples collected during the April and October 2014 monitoring events is provided in Table 4.

In the 2013 Annual Groundwater Monitoring Report, CRA recommended that sampling for MNA parameters continue on an annual basis in October 2014 to assist in evaluating remedial technologies for both VOC plumes. During the October 2014 sampling event, MNA parameters were collected from the following monitoring wells; MW-2, MW 3, MW-4, MW-7, MW 8, MW 15, MW 31R, MW 40, MW 49, MW 57, MW 58, MW 64, MW 66, MW 68, MW 79, and MW 85. The MNA field parameters collected included dissolved oxygen (DO), ferrous iron, oxygen reduction potential, and pH and the MNA laboratory parameters analyzed included alkalinity (bicarbonate and carbonate), chloride, dissolved gases (ethane, ethene, methane), dissolved manganese, dissolved organic carbon, hardness, nitrate, nitrite, sulfate, sulfide, and total organic carbon.

Prior to groundwater sample collection, the monitoring wells were purged using a submersible pump and low flow purge techniques, to the extent practical to remove suspended solids, reduce turbidity, and allow visual observation of sample color. Field parameters including conductivity, DO, oxygen reduction potential (ORP), pH, temperature, and turbidity were recorded. No color was observed during purging activities consistent with electroplating operations. Groundwater samples were collected using a submersible pump and low flow sampling techniques. Groundwater samples, including field duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples, were submitted to TestAmerica for chemical analysis of target compound list (TCL) VOCs using analytical method 8260B. Well stabilization parameters recorded by CRA are provided in Table 5.

3.3 Surface Water Sampling

Surface water samples were collected by CRA on April 16, July 17, and October 29, 2014 from the central irrigation pond located southeast of MW 85 on the Meadowbrook Golf Course. Samples were collected near the irrigation water intake (Pond Intake) and also from a location closest to MW 85 (Pond North). Surface water samples, were submitted to TestAmerica for chemical analysis of TCL VOCs using analytical method 8260B.

3.4 Sampling Protocol

Monitoring well and surface water samples collected were assigned a unique sample identification (ID) number. Sample ID numbers were recorded in a field book with the corresponding sample location.

All monitoring well samples were collected using low-flow submersible pumps that are dedicated to the project and well-specific dedicated Teflon-lined pump discharge tubing. All non-consumable equipment that contacted groundwater was decontaminated in accordance with the Field Method Guidelines (FMGs) contained in the Site-wide Groundwater Monitoring Plan. Consumable equipment (tubing) and personal protective equipment (PPE) were disposed of off-Site.

Investigative derived waste (IDW) generated from purge water and decontamination fluid during monitoring activities was containerized in an on-Site bulk polyethylene tank. A non-hazardous waste profile for the IDW was developed in April 2014. The IDW is scheduled to be removed from the Site for appropriate off-Site disposal in 2015 by Heritage Environmental Services.

Section 4.0 Well Decommissioning

Between March 31 and April 2, 2014 CRA implemented the Monitoring Well Decommissioning Work Plan (Work Plan) (CRA, March 5, 2014). The objective of the Work Plan was to decommission monitoring wells north and west of the former main manufacturing building that are not included in the IDEM approved Site-wide Groundwater Monitoring Plan. Between March 31 and April 2, 2014, 17 monitoring wells (MW 1-01, MW2-01, MW3-01, MW 11, MW 24, MW 25, MW 34, MW35, MW 52, MW 53, MW 54, MW 55, MW 69, MW 70, MW 71, MW 72, and MW 73) were abandoned in accordance with applicable regulations.

Prior to initiating decommissioning activities, all applicable utility companies (gas, telephone, water, and sewers) were contacted to demarcate the location of their respective underground utilities. CRA Services, a licensed drilling contractor completed the monitoring well decommissioning activities in accordance with the Drilling Procedures and Monitoring Well Construction Guidelines in the Indiana Administrative Code, 312 IAC 13 which states that monitoring wells are to be terminated and restored in a manner that will protect groundwater resources from contamination. During well abandonment activities, monitoring wells were abandoned by pumping an impervious grout material from the bottom of each well to 2 feet below ground surface, moving the pipe progressively upward as the well was filled. The monitoring well risers were severed at least two feet below the ground surface and a cement plug was constructed over the borehole and covered with natural clay material to ground surface.

Section 5.0 Potentiometric Surface Mapping

Groundwater elevations were recorded at select monitoring wells in April and all accessible monitoring wells in October 2014. The groundwater elevations measured during the April and October 2014 monitoring events are summarized in Table 3, along with previous groundwater elevations measured in October 2013 for comparative reference. Water levels measured during the April event were generally higher than those measured during October.

Based on the October 2014 groundwater elevations, CRA developed potentiometric groundwater contours for Unit 3S, Unit 3D, and the bedrock aquifers as shown on Figures 5 to 7, respectively.

The groundwater contours for the October 2014 Unit 3S data are provided on Figure 5. The groundwater elevation contour map indicates that there is a general northeasterly gradient beneath the central and northern portions of the former Main Plant building. Beneath the southern portion of the former Main Plant, groundwater flow is variable. Data from the October event again indicates the presence of a prominent groundwater mound, or ridge in Unit 3S that extends in a north-south arc from the MW 46 area on the south to about MW 29 on the north. As discussed in previous annual reports, this groundwater high appears to separate the AOC-1 South Court and WWTP Area plumes. The AOC-1 South Court plume extends beneath the former Main Plant building and affects several monitoring wells including, from south to north, MW 79, MW 60, and MW 51. In contrast, the Unit 3S monitoring wells along the arc including MW 46, MW 16, MW 84, MW 59, and MW 29 have not shown any significant VOC contamination.

The groundwater contours for the October 2014 Unit 3D data are provided on Figure 6. The groundwater elevation contour map indicates that there is a general easterly gradient across the west portion of the Site and a general northwesterly gradient across the east portion of the Site into the Meltwater Valley.

The groundwater contours for the October 2014 bedrock aquifer data are provided on Figure 7. The groundwater elevation contour map indicates that there is an easterly gradient in the bedrock across the Site.

Section 6.0 Analytical Results

The sample key (Table 4) summarizes the groundwater and surface water monitoring conducted in 2014. The 2014 VOC laboratory analytical data generated from the groundwater and surface water sampling have been summarized in Table 6 (groundwater VOCs) and Table 7

(surface water VOCs) respectively. Analytical data from all sampling events between 2010 and 2014 are presented on Figure 8 (on-Site) and Figure 9 (off-Site). Excluding chlorobenzene, styrene, and tetrachloroethene, the VOC parameter list shown on Figure 8 and Figure 9 includes any VOC compound that has exceeded conservative screening criteria at any well or surface water location during any sampling event. As noted in previous annual reports, chlorobenzene, styrene, and tetrachloroethene were detected in one June 2008 groundwater sample at MW 40 (WG-062608-JD-007) at concentrations over the drinking water criteria. Chlorobenzene and styrene have only been detected in this one sample, and the reported concentrations of 0.15 milligram per liter (mg/L) (with qualifier J – estimated value below reporting limit) and 0.14 mg/L (also with qualifier J), respectively, are only slightly higher than the drinking water criteria of 0.1 mg/L. Both results were well below the sample reporting limit of 1.0 mg/L. Tetrachloroethene has been detected in only one groundwater sample at the Site since 2008. This detected concentration (0.43 mg/L with qualifier J in the June 2008 MW 40 sample) exceeded the drinking water criteria of 0.005 mg/L. Again the reported concentration of 0.43 mg/L was well below the sample reporting limit of 1.0 mg/L. Chlorobenzene, styrene, and tetrachloroethene were not detected in the subsequent events. For these reasons, chlorobenzene, styrene, and tetrachloroethene are not included in Figure 8 or Figure 9. The screening procedure is explained in Section 6.1.

TCE, cis-1,2-DCE and vinyl chloride remain the primary constituents associated with the AOC 1 – South Court and WWTP Area VOC plumes. Isoconcentration maps for TCE, cis-1,2-DCE and vinyl chloride are presented on Figures 10 through 12, respectively.

Data verification and validation reports for the analytical data collected during the 2014 Site-wide Groundwater Monitoring Plan activities were completed by CRA and are provided in Appendix A.

6.1 Risk-Based Screening

A conservative risk-based screening was performed on the groundwater and surface water data collected during the Site-wide groundwater monitoring program in 2014. The data were compared to IDEM's Remediation Closure Guide Screening Levels (RCGSL) and conservative risk-based screening criteria based on potential exposure scenarios that were evaluated in CRA's Refined Human Health Risk Assessment and Derivation of Site-Specific Risk-based Screening Levels Report (October 2013) (RHRA).

The groundwater monitoring data collected from areas where current and reasonably expected future land use is commercial/industrial were screened against the following: 1) IDEM RCGSLs - Vapor Exposure Commercial/Industrial Criteria and 2) Site-specific Commercial/Industrial Tap

Water Use Criteria. Derivation of the Site-specific screening criteria is presented in RHHRA. Sampling points screened against these criteria are shown on Figure 8.

Groundwater data collected from areas where current and reasonably expected future land use is not commercial/industrial were screened against the following: 1) IDEM RCGSLs - Residential Tap Water Criteria; 2) IDEM RCGSLs - Vapor Exposure Residential Criteria; 3) IDEM RCGSLs - Vapor Exposure Commercial/Industrial Criteria; 4) Site-specific Recreator (Resident Swimming Pool) Criteria; 5) Site-specific Commercial/Industrial Tap Water Use Criteria. Sampling points screened against these criteria are shown on Figure 9.

6.2 AOC 1 – South Court Plume

The AOC 1 – South Court plume area contains elevated concentrations of TCE and cis-1,2-DCE with the greatest TCE exceedances in monitoring wells near the AOC 1 - South Court source area. A summary of significant findings with respect to the 2014 analytical results for the South Court is provided in the following paragraphs.

Historically, increasing trends have been identified at some wells in the South Court plume. Most recently, MW49 and MW 79 have exhibited increasing trends in concentration of cis-1,2-DCE. The concentration of cis-1,2-DCE at off-Site monitoring well MW 49 in October 2014 was marginally lower than the concentration detected in October 2013, which was the highest recorded value to date. Downgradient of MW 49 (east-northeast and east), MW 46 and MW 89-11 were either non-detect or exhibited only very low concentrations of VOCs, respectively. The concentration of cis-1,2-DCE at on-Site monitoring well MW 79 remained relatively unchanged when the October 2013 and October 2014 results were compared. In October 2014 the extent of the AOC 1 – South Court plume remained defined on the north and east sides with non-detect results for all VOC constituents at monitoring wells MW 16, MW 37, MW 46, MW 75, and MW 84. Low level concentrations have been detected at north perimeter well MW 76 however, the detected concentrations are estimated below the associated laboratory limit for cis-1,2-DCE and vinyl chloride.

MW 12 (Unit 3I), located west of the former Main Plant building, continues to show a long term decline in cis-1,2-DCE concentration, the principal VOC compound in this well, and TCE. This well is located in an upgradient Unit 3 position. VOC contamination was likely mobilized to this upgradient position as a result of historic groundwater production well pumping at PW 11 and PW 12 which acted to reverse the normal eastward gradient. Pumping of these wells ceased in about 1989 when the facility converted to city water. Both production wells were plugged and abandoned in 2007. The decline in cis-1,2-DCE and TCE concentrations since 1993 is likely attributable to the cessation of pumping.

6.3 Former WWTP Area Plume

Monitoring wells in the former WWTP Area plume area contain primarily elevated concentrations of cis-1,2-DCE and vinyl chloride. A summary of significant findings with respect to the 2014 analytical results for the WWTP Area is provided in the following paragraphs.

In 2014, two monitoring wells (MW 28 and MW 57) within the tail and marginal areas of the former WWTP Area plume had the highest recorded levels of vinyl chloride or cis-1,2-DCE to date.

In 2014, perimeter monitoring wells MW-2, MW 56, MW 61, MW 86, and MW 88 were either non detect or contained very low estimated concentrations of cis-1,2-DCE (MW 56) or vinyl chloride (MW 61 and MW 86) detected below the laboratory limit.

6.4 Extent Of Groundwater Contamination

Figure 10 to Figure 12 show the concentrations of the principal VOC constituents TCE, cis-1,2-DCE and vinyl chloride in groundwater for hydrogeologic Unit 3. These isoconcentration maps are based on October 2014 data and update those contained in the 2013 Annual Groundwater Monitoring Report (CRA, January 2014). The October 2014 data for each well are shown on the maps with non detect results presented as half of the detection limit.

Since the Unit 3S confining unit is absent in the area of former Plant 9 and portions of the Meadowbrook Golf Course, and Unit 3 is relatively thin in these areas, the VOC data from wells in these areas may be shown on the Unit 3S isoconcentration maps. Combining data in this manner provides a useful portrayal of the former WWTP Area plume from its source in the upper part of Unit 3 near MW 68 to its tail area occurrences at former Plant 9 and Meadowbrook Golf Course.

The isoconcentration maps continue to suggest that there are two separate VOC plumes. One plume is associated with AOC 1 – South Court and the second plume is derived from an apparent source area near MW 68. The plumes are separated by a series of Unit 3S wells where VOCs have not been detected, or have been detected only at very low levels (MW 16, MW 17, MW 29, MW 37, MW 46, MW 59 and MW 84). This was confirmed in 2013 with the sampling of monitoring wells MW29, MW 37, MW 46, MW 59, and MW 84, the results of which were non detect for VOCs. A persistent groundwater ridge in Unit 3S occurs along this line of wells, and this mound appears to serve as a hydraulic barrier separating the two plume areas.

The AOC 1 – South Court plume in Unit 3S extends in a northeast direction from AOC 1 – South Court. The eastward extent of the plume appears to be limited by the groundwater mound

noted in the preceding paragraph. The plume is bounded to the northeast by MW 76 which was sampled in October 2014. Marginal detections of cis-1,2-DCE and vinyl chloride have been identified at this well since 2012 however, the concentrations are estimated as they are lower than the associated reporting limits.

The former WWTP Area plume extends eastward from the apparent source area near MW 68 towards former Plant 9 and has migrated to the east to the vicinity of MW 64 and to the southeast to the vicinity of MW 57 and MW 85. This VOC plume is composed primarily of cis-1,2-DCE and the highest reported concentrations occur at MW 40, MW 68, and MW-4.

Prior to July 2006, MW 68, located just west of MLK Boulevard generally had the highest cis-1,2-DCE concentration in this plume and is inferred to be closest to the VOC source area. From December 2006 until April 2009 the highest cis-1,2-DCE concentration was generally found downgradient at MW 40. Since December 2009, the highest cis-1,2-DCE concentration has generally been found at MW-4, as indicated on the current isoconcentration map (AECOM, 2012).

The northeastern extent of the WWTP Area plume is established by MW 86 and MW 88 where VOCs are non detect or, where detected, are detected at estimated concentrations below the reporting limit.

Vinyl chloride and TCE are subordinate components of the former WWTP Area plume. TCE is a relatively minor component even in the source area of this plume. The highest reported concentrations for vinyl chloride occur downgradient at MW 40, MW-4, and MW 85. The east edge of the former WWTP Area plume is marked by persistent occurrences of vinyl chloride in Unit 3D wells MW 57, MW 58, MW 64, and MW 66.

6.5 Surface Water

Cis-1,2-DCE, trans-1,2-dichloroethene (trans-1,2-DCE) and vinyl chloride were detected at surface water monitoring locations Pond North and Pond Intake during one or more surface water sampling events conducted in 2014. The detected concentrations of vinyl chloride in surface water have increased slightly at the Pond North location compared to the range of historically detected concentrations. The detected concentrations of vinyl chloride exceed the relevant screening criteria (i.e., recreator). The detected concentrations of cis-1,2-DCE at the Pond North location in 2014 have increased but are still below the relevant screening criteria. Detected concentrations of trans-1,2-DCE do not exceed the screening criteria.

Section 7.0 MNA Evaluation

During the October 2014 sampling event, groundwater samples were collected and analyzed for MNA parameters at 17 monitoring wells including nine on-Site monitoring wells (MW 3, MW 8, MW 15, MW 31R, MW 40, MW 64, MW 66, MW 68 and MW 79) and eight off-Site monitoring wells (MW-2, MW-4, MW-7, MW 49, MW 57, MW 58, MW 85 and MW 89-11). Collected MNA samples were analyzed for alkalinity, chloride, nitrate, sulfate, sulfide, TOC, dissolved oxygen, ferrous iron, ORP, pH, ethane, ethene, and methane. MNA data from 2006 to 2014 are presented on Figure 13.

The MNA sample results were evaluated to determine if biodegradation of VOCs is occurring and if conditions at the Site are conducive for continued biodegradation to occur. A scoring system developed by the United States Environmental Protection Agency (U.S. EPA) "Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water" (Technical Protocol) (U.S. EPA, 1998) was used to evaluate the conditions relevant to the South Court Area and former WWTP Area plumes. The AOC 1 – South Court plume was assessed using the wells within and nearby the South Court area (MW 3, MW 8, MW 15, MW 49, and MW 79). The former WWTP Area plume was assessed using results from wells associated with its extents (MW 68, MW 40, MW-4, MW 57, MW 58, MW 64, MW 66, and MW 85). The locations selected for the MNA evaluation represent conditions at different locations within the plume and along the flow path. The final score is given for the plume as a whole. In accordance with the Technical Protocol, the most desirable MNA value (maximum or minimum) within the plume is selected and used to assign the score for that MNA parameter. The most favorable reducing conditions typically occur in the most contaminated zone(s). For example, if a location in the source zone has concentrations of methane greater than 0.5 mg/L, then the plume would receive the associated score (3 points), even if other locations in the plume do not have equally elevated methane concentrations. In accordance with the Technical Protocol, the individual scores for each MNA parameter are summed to provide the total points awarded for each plume. Based on the total points awarded the reducing conditions are defined as inadequate, limited, adequate or strong.

The results of the screening process are provided in Table 8 and indicate that there is adequate evidence for anaerobic biodegradation of chlorinated organics at both the AOC 1 – South Court Plume and the former WWTP Area Plume.

Background conditions were required for the relative assessment of alkalinity and chloride. As such, wells unimpacted by VOCs (MW-2, MW-7, and MW89-11) were used to calculate the mean background concentrations of alkalinity (413.33 mg/L) and chloride (66.33 mg/L). When large amounts of chlorinated VOCs are degraded, chloride and alkalinity increase above background concentrations. Concentrations of alkalinity have not exceeded mean background

conditions, either on-Site or downgradient. Concentrations of chloride have exceeded two times the background concentrations in the WWTP plume, at MW 85 and at MW 95-13. Concentrations of chloride are also very high at MW 84, which is unimpacted with VOCs but located between the two plumes.

A key indicator of biodegradation is the presence of TCE daughter products at monitoring wells within the groundwater plume. Cis-1,2-DCE and vinyl chloride are the anaerobic biodegradation products of TCE. Vinyl chloride and chloride are the anaerobic biodegradation products of cis-1,2-DCE. Under anaerobic conditions, vinyl chloride can undergo further biodegradation to form ethylene, which can then biodegrade further to acetylene. Chloride, ethane, and ethene are the ultimate degradation products of all of the chlorinated ethenes. An assessment of the degradation products observed at the Site is presented below.

Both cis-1,2-DCE and vinyl chloride were detected at various on-Site locations, and their concentrations were usually greater than other VOCs, particularly in the former WWTP Area plume. The elevated presence of cis-1,2-DCE and vinyl chloride within the groundwater plume provides direct evidence that TCE is being degraded via reductive dechlorination. When DCE is produced through biodegradation of TCE, production of the cis-1,2-DCE isomer is favored over that of trans-1,2-DCE and 1,1-dichloroethene (1,1-DCE) (Wiedemeier et al., 1999) as seen at monitoring wells across the Site.

When evaluating the monitoring wells in the AOC 1 – South Court plume on a well by well basis, monitoring wells (MW 3, MW 8 and MW 15) in the source area show the highest level of evidence of anaerobic biodegradation. Monitoring wells (MW 49 and MW 79) along the tail of the plume show the lowest level of evidence of anaerobic biodegradation, which may explain the increasing trends noted in the concentration of cis-1,2-DCE at MW 49 and MW 79.

Ethene and ethane, to a lesser extent, were also detected at the sampled on-Site locations. The highest ethene concentrations (2.1 mg/L) was detected at monitoring well MW 31R. This provides evidence that the reductive dechlorination of TCE is occurring to completion in the Unit 1 (perched) groundwater, likely as a result of the introduction of Hydrogen Releasing Compounds around MW 31R in 2005. These compounds release lactic acid over time, which enhances biological degradation by maintaining reducing conditions. This location was not included in the screening of the AOC 1 – South Court plume due to the active remediation measures implemented to reduce concentrations in the source zone.

Ethene, ethane, and methane were detected at most sampled locations, including those near the source areas and closer to the edge of the plume. This suggests that reductive dechlorination is active throughout both plumes.

When there are readily available sources of carbon in the aquifer, biodegradation can proceed more intensively. Neither plume met criteria for concentrations of TOC or BTEX in the groundwater; however, the detection limits for the BTEX compounds were higher, in many cases, than the criteria for the scorecard (0.1 mg/L). A higher score could be obtained for either plume if detection limits were lower.

In summary, results of the preliminary U.S. EPA score sheet screening and the presence of daughter products in the groundwater indicated that natural attenuation of VOCs is occurring at the Site in both the AOC 1 – South Court plume and the former WWTP Area plume.

Section 8.0 Statistical Analysis

The required statistical data evaluation is presented in Section 4 of the Site-Wide Groundwater Monitoring Plan (Monitoring Plan, AECOM, 2010) and includes the following required elements:

- The statistical evaluation is to be conducted to determine whether the contaminant plumes are stable (i.e., not increasing over time).
- The principal VOC compounds to be considered in the evaluation are TCE, cis-1,2-DCE and vinyl chloride.
- The evaluation of stability is to be carried out using the Mann-Kendall trend test following IDEM RISC guidance (IDEM, February 15, 2001). Notably:
 - A minimum of 4 samples is required to perform the trend test.
 - A minimum detection frequency of 75 percent is required to perform the trend test.
 - Non-detects should be assigned a value below the lowest detected value in the data set.
 - Any field duplicate results should be averaged prior to carrying out statistical testing.
- Trend testing is to be carried out using a significance level of (α) 0.10 (i.e., 90 percent confidence).
- A one-tailed trend test is to be performed (i.e., testing for increases only), using the following statistical hypotheses:
 - Null (no effect) hypothesis (H_0) = there is no trend or a decreasing trend in chemical concentrations over time.
 - Alternative hypothesis (H_A) = there is an increasing trend over time in chemical concentrations.

The following subsections describe the specific approaches used in carrying out the statistical data evaluation. The data considered in the trend tests are presented in concentration vs. time graphs in Appendix B, and in tabular format in Table B-1.

8.1 Mann-Kendall Test

Methods for statistical trend testing of groundwater quality data are discussed in Section 4.3 of U.S. EPA (2006), Chapter 12 of Helsel & Hirsch (USGS, 2002) and other relevant guidance and reference texts. The evaluation of trends in environmental data is often complicated by factors such as seasonality in data, outlying (grossly atypical) data points, the presence of censored (non-detect) data, small data sets (due to the relatively high costs associated with sample collection and analysis, particularly for trace concentration analyses) and non-linearity in any patterns present through time. Different tests exist, which balance the statistical power of detecting trends against susceptibility to outliers, deviations from model assumptions (e.g., linearity) and the ability to incorporate non-detect data into the analyses.

The Mann-Kendall trend test is suitable for general application across a variety of environmental data applications. This test is non-parametric (rank-based), and therefore robust with respect to outlying observations. The Mann-Kendall test neither assumes a particular data distribution (e.g., normal) nor data pattern tested (e.g., linear trend), but rather tests for a monotonic (single-direction) trend in the data over time. Although the test is not as powerful as parametric tests are under optimal conditions, its wide range of applicability makes it a good candidate for use when testing numerous data sets where the effort required for detailed characterization and selection of specific trend tests on a case-by-case basis is not appropriate.

As specified in the Groundwater Monitoring Plan, the Mann-Kendall trend test was used to evaluate the principal VOC monitoring data for the presence of temporal trends. Computational details for the test may be found in Section 4.3.4.1 of U.S. EPA (2006). The test was applied for data sets containing up to 25 percent non-detects using a one-tailed formulation and a significance level of 0.1, as described above.

Trend tests were carried out separately for each principal VOC at each monitoring well with sufficient temporal data to perform the Mann-Kendall test.

It was noted in two cases, TCE at MW 31R and vinyl chloride at MW 3, non-detect results were present at somewhat-elevated detection limits above the majority of the detected values. In such cases, the comparison of non-detect and detected values is ambiguous (i.e., it cannot be assigned with certainty that the non-detect results are above or below the detected values). In these cases, trend testing was performed excluding the non-detect results, as noted in the table

of results in Table 9. Current statistical guidance (e.g., U.S. EPA, 2013) would recommend that any detected values lower than the maximum detection limit for a non-detect be "censored" to that detection limit (i.e., all lower values be considered as non-detects). However, doing so would have reduced the detection frequency to much less than the 75 percent required in the Groundwater Monitoring Plan, and therefore carrying out the trend tests using detected values only permits an appropriate assessment with minimal information loss (i.e., removing a few ambiguous non-detects vs. censoring the majority of the data).

8.2 Outlier Testing

Prior to carrying out trend tests, each data set was screened for the presence of statistical outliers. An outlier is an observation that differs substantially (atypically) from the rest of the population.

Outliers may be identified by graphical or statistical methods. U.S. EPA (2006, 2009) recommends The Extreme Value Test (Dixon's Test) for testing for outliers in data sets containing up to 25 points (the upper limit of this procedure), which was the case for all monitoring data sets evaluated. Dixon's test considers both extreme low values and extreme high values. An important element of assessing outliers is identifying the underlying data distribution of a particular data set prior to performing the test. The data may follow a normal (Gaussian) distribution, in which case the original (untransformed) data are subjected to the outlier test. However, if a data set follows another statistical distribution, (i.e., gamma or lognormal) the data must be transformed prior to using Dixon's test. In testing data distributions for the principal VOC data sets considered, the Shapiro-Wilk W-Test (U.S. EPA, 2006, 2009) was applied using original, cube-root-transformed [approximating the gamma distribution (USGS, 2002)], and log-transformed data sets.

Consistent with the requirements of the Groundwater Monitoring Plan for trend testing, outlier tests were performed only for datasets of four or more points and having 75 percent or more detected values. Outlier testing was performed using a significance level (α) of 0.05 (i.e., 95 percent confidence).

The results of the data distribution and outlier tests are presented in Table B-2. Statistical outliers were identified for cis-1,2-DCE at MW 4, MW 8, MW 14, and MW 31R; and for vinyl chloride at MW 8, as indicated in the Table B-2.

Where statistically-significant outliers were identified, trend testing was carried out twice; first considering all data and second using outlier-excluded data sets. In all cases, the results of the trend tests (i.e., increasing or no trend identified) were consistent both with and without the outliers. Therefore, the presence of statistical outliers in the principal VOC data sets has not

impaired the ability of the present statistical evaluation to identify significant temporal trends, where present in the monitoring data.

8.3 Results

The results from the Mann-Kendall trend test are shown in Table 9. The data used in the trend tests are shown in Table B-1 and a summary of descriptive statistics are shown in Table B-2 of Appendix B, along with the data distribution and outlier testing results.

Of 108 data sets originally considered (three primary VOCs at each of 36 monitoring wells), evaluated, 69 did not require trend analysis due to high frequencies of non-detects (i.e., less than 75-percent detects) or small data sets (i.e., having fewer than the required four data points). The remaining 38 data sets were subjected to the Mann-Kendall trend test. Of these, 28 had no statistically significant trend (i.e., groundwater VOC concentrations are stable or decreasing over time), and eleven datasets had significant increasing trends (at a 90-percent confidence level).

Comparing the results to those from the previous (2013) evaluation, two changes were observed in the results:

- MW 28 now exhibits an increasing trend in the concentration of vinyl chloride where no significant trend was noted in 2013.
- MW 65 was found to exhibit no significant trend in the concentration of vinyl chloride in 2014. This evaluation was not conducted in 2013 due to fewer than 75-percent detected values.

Consistent with 2013 data, there are two increasing trends in the AOC 1 – South Court plume wells. Increasing trends are noted for cis-1,2-DCE at MW 49 and MW 79. Increasing trends continue in several monitoring wells in the former WWTP Area plume. Most of the increasing trends relate to vinyl chloride within and along the tail margin of the plume (MW 28, MW 41, MW 58, MW 64, MW 66, MW 81, and MW 85). An increasing trend for cis-1,2-DCE is also noted at MW 4 and for TCE at MW 68.

The increasing trend in TCE concentrations at MW 68 is based on data from 2005 to 2014. However, when the same trend analysis is performed using only the last seven years of data (i.e., 2008 – 2014), the data set indicates that there is no statistically significant trend and that the TCE concentrations have been stable.

Section 9.0 Conclusions

Based on the 2014 Annual Groundwater Monitoring activities, including all field and laboratory analytical data generated therefrom, the following conclusions have been developed.

1. Unit 3S potentiometric mapping is consistent with previous mapping. The elevation contour map indicates that there is a general northeasterly gradient in Unit 3S beneath the central and north portions of the former Main Plant building. Beneath the southern portion of the former Main Plant, groundwater flow is variable. Data from the October event again indicates the presence of a prominent groundwater mound, or ridge, in Unit 3S that extends in a north-south arc from the MW 46 area on the south to MW 29 on the north.
2. Groundwater monitoring of the wells along the groundwater mound between the South Court Area and WWTP Area plumes confirms that the VOC plumes remain separate from one another.
3. The Unit 3D potentiometric mapping is consistent with previous mapping. The elevation contour map indicates that there is a general easterly gradient across the west portion of the Site and a general northwesterly gradient across the east portion of the Site into the Meltwater Valley.
4. The bedrock aquifer potentiometric mapping is consistent with previous mapping. The elevation contour map indicates that there is a general easterly gradient across the Site.
5. New observations were made when assessing trends in vinyl chloride concentrations. There is now an increasing trend observed at MW 28 and no significant trend at MW 65. The other observed trends in TCE, cis-1,2-DCE and vinyl chloride concentrations were consistent with the assessment conducted in 2013.
6. Consistent with 2013 data, there are two increasing trends in the AOC 1 – South Court plume wells. Increasing trends are noted for cis-1,2-DCE at MW 49 and MW 79. Downgradient of MW 49 (east-northeast and east), MW 46 and MW 89-11 were either non-detect or exhibited only very low concentrations of VOCs, respectively. In October 2014 the extent of the AOC 1 – South Court plume remained defined on the north and east sides with non-detect results for all VOC constituents at monitoring wells MW 16, MW 37, MW 46, MW 75, and MW 84.
7. Increasing trends continue in several monitoring wells in the former WWTP Area plume. Most of the increasing trends relate to vinyl chloride within and along the tail margin of the plume (MW 28, MW 41, MW 58, MW 64, MW 66, MW 81, and MW 85). An increasing trend for cis-1,2-DCE is also noted MW-4 and for TCE at MW 68. The increasing trend in TCE concentrations at MW 68 is based on data from 2005 to 2014. However, when the same trend analysis is performed using only the last seven years of data (i.e., 2008 – 2014), the data set indicates that there is no statistically significant trend and that the TCE

concentrations have been stable. In 2014, perimeter monitoring wells MW-2, MW 56, MW 61, MW 86, and MW 88 were either non detect or contained very low estimated concentrations of cis-1,2-DCE (MW 56) or vinyl chloride (MW 61 and MW 86) detected below the laboratory limit.

8. Results of the preliminary U.S. EPA score sheet screening and the presence of daughter products in the groundwater indicate that natural attenuation of VOCs is occurring at the Site in both the AOC 1 – South Court plume and the former WWTP Area plume.
9. Three surface water sampling events were conducted in 2014 (April, July, and October) at the surface water monitoring locations Pond Intake and Pond North at the Meadowbrook Golf Course central irrigation pond. Cis-1,2-DCE, trans-1,2-DCE and vinyl chloride were detected at surface water monitoring locations Pond North and Pond Intake during one or more surface water sampling event conducted in 2014. The detected concentrations of vinyl chloride in surface water have increased slightly at the Pond North location compared to the range of historically detected concentrations. The detected concentrations of vinyl chloride exceed the relevant screening criteria (i.e., recreator). The detected concentrations of cis-1,2-DCE at the Pond North location in 2014 have increased but are still below the relevant screening criteria. Detected concentrations of trans-1,2-DCE do not exceed the screening criteria.
10. Based on monitoring at adjacent monitoring well MW 85, the golf course irrigation pond appears to be within the former WWTP Area plume and the plume is expanding in the direction of the pond.
11. Based on the 2014 groundwater results from residential well MW 89-11, there is no current unacceptable risk to nearby residents due to groundwater volatilization to indoor air.

Section 10.0 Recommendations

The following recommendations are provided with respect to ongoing monitoring:

1. It is recommended that sampling for MNA parameters be conducted in 2014 at the following wells: MW-2, MW 3, MW-4, MW 8, MW 15, MW 21, MW 31R, MW 40, MW 49, MW 57, MW 58, MW 64, MW 66, MW 68, MW 79, MW 85 and MW89-11. The proposed MNA well network is comprised of wells where historical MNA data exists, wells along the groundwater flow paths, and/or wells with recent or long term increasing VOC trends.

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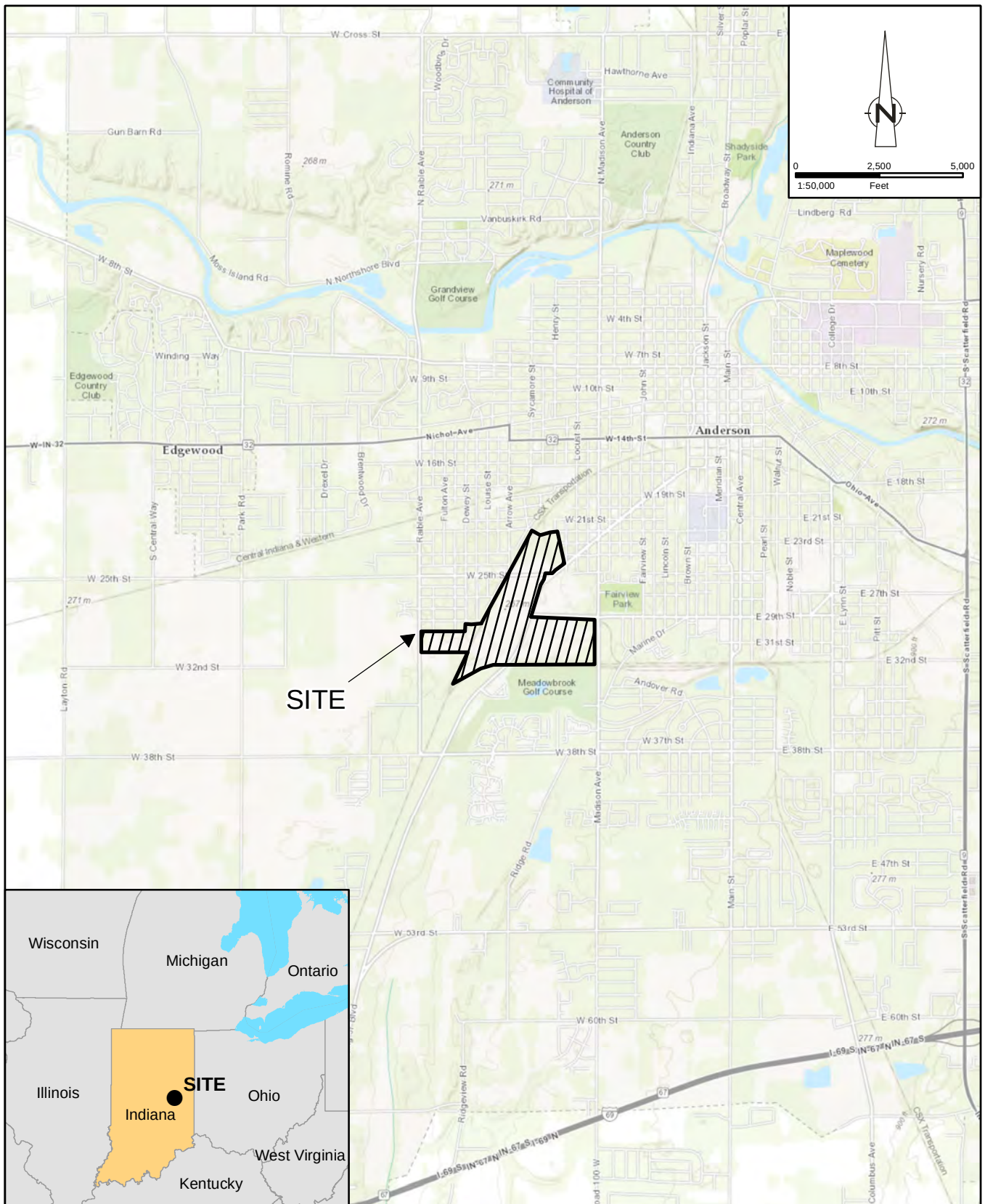
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Source: ESRI Topographic Map, accessed 2013 ; Coordinate System: NAD 1983 StatePlane Indiana East FIPS 1301 Feet

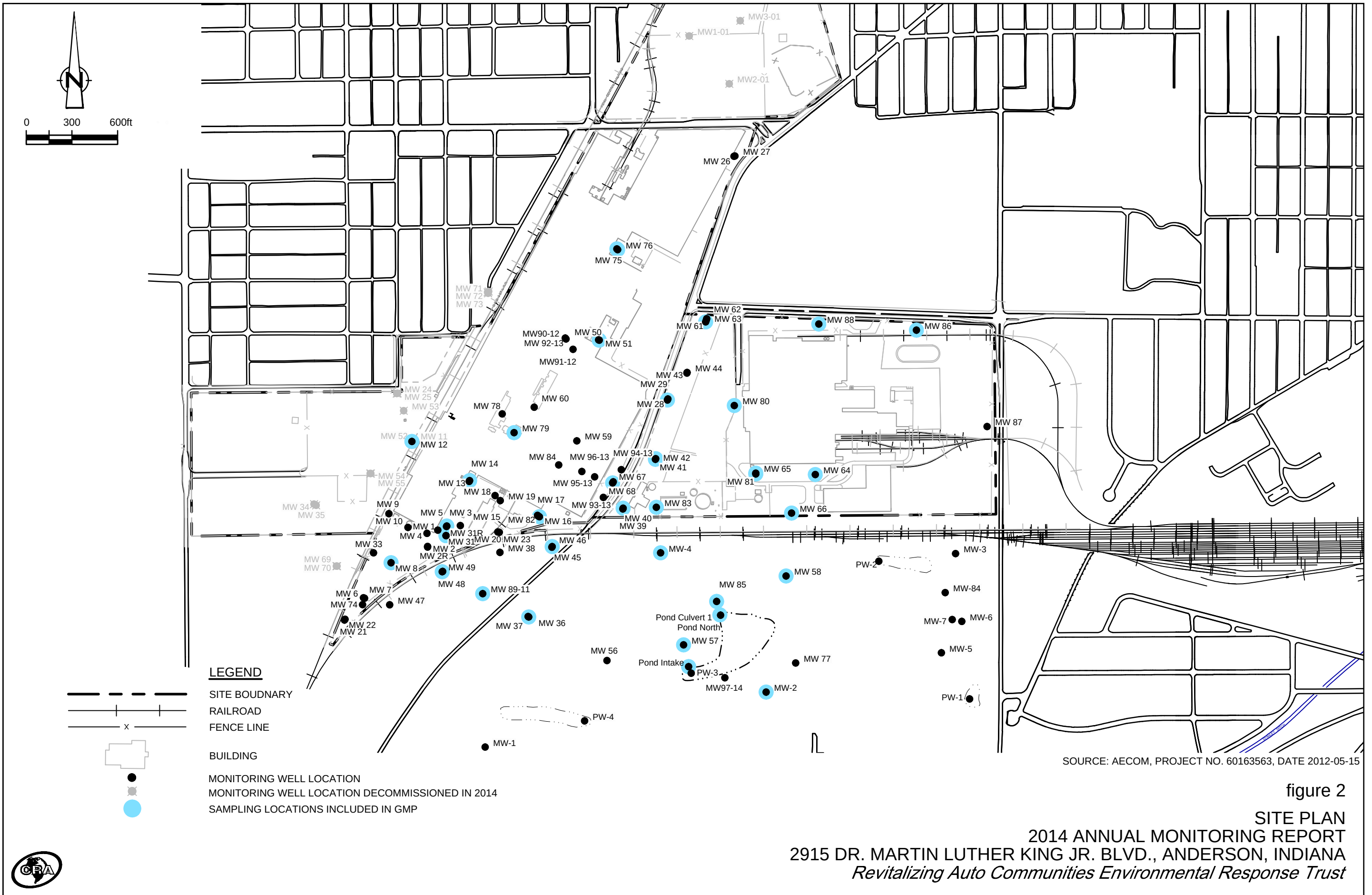
figure 1

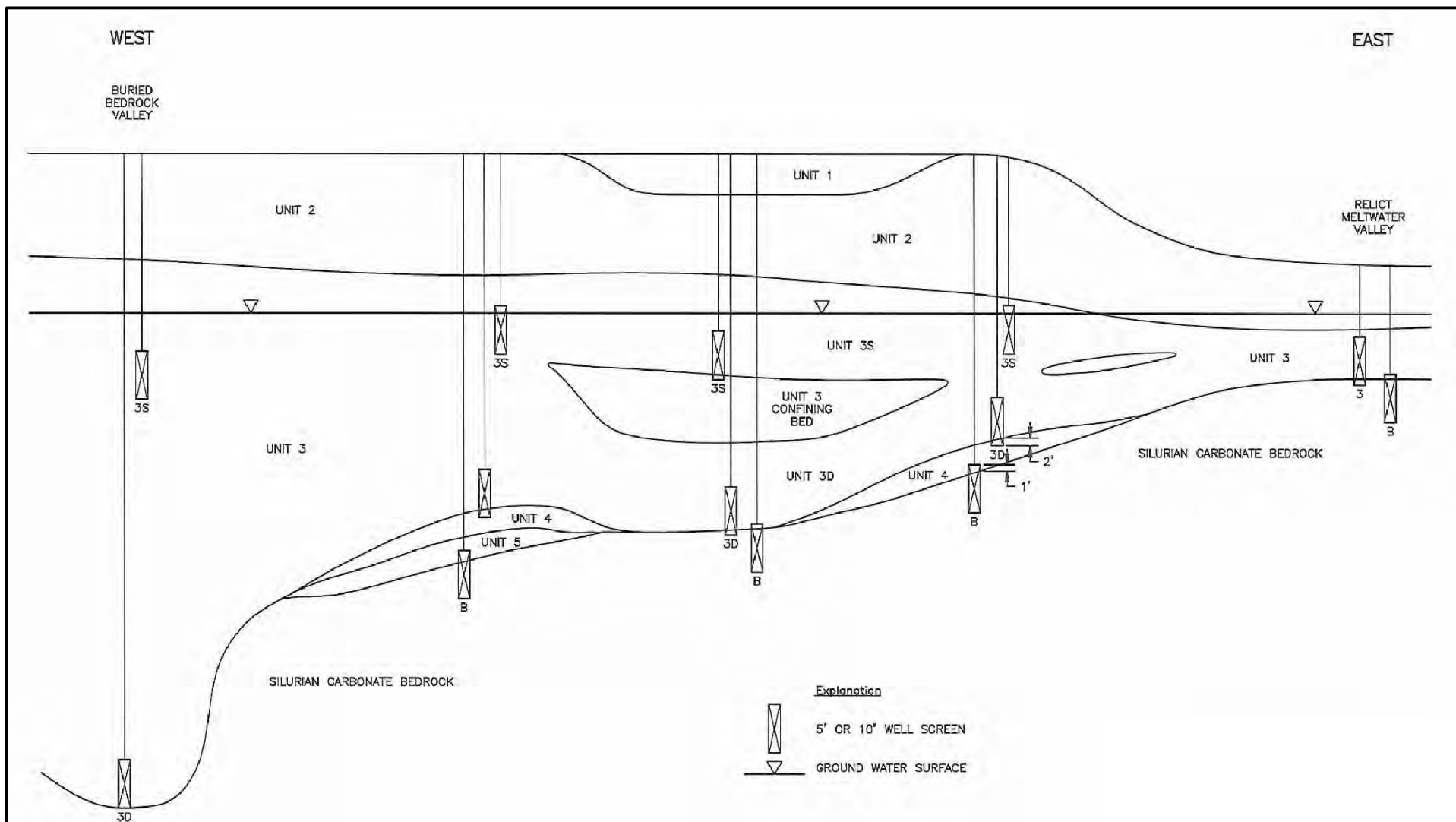
Legend

 Site Boundary



SITE LOCATION MAP
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD, ANDERSON, IN
Revitalizing Auto Communities Environmental Response Trust





SOURCE: AECOM PROJECT # 60135322, DATE 01-11, FIG 2-3

figure 4

GENERALIZED HYDROGEOLOGIC CROSS SECTION SHOWING WELL COMPLETION ZONES
 2014 ANNUAL GROUNDWATER MONITORING REPORT
 2915 DR. MARTIN LUTHER KING JR. BLVD., ANDERSON, INDIANA
Revitalizing Auto Communities Environmental Response Trust



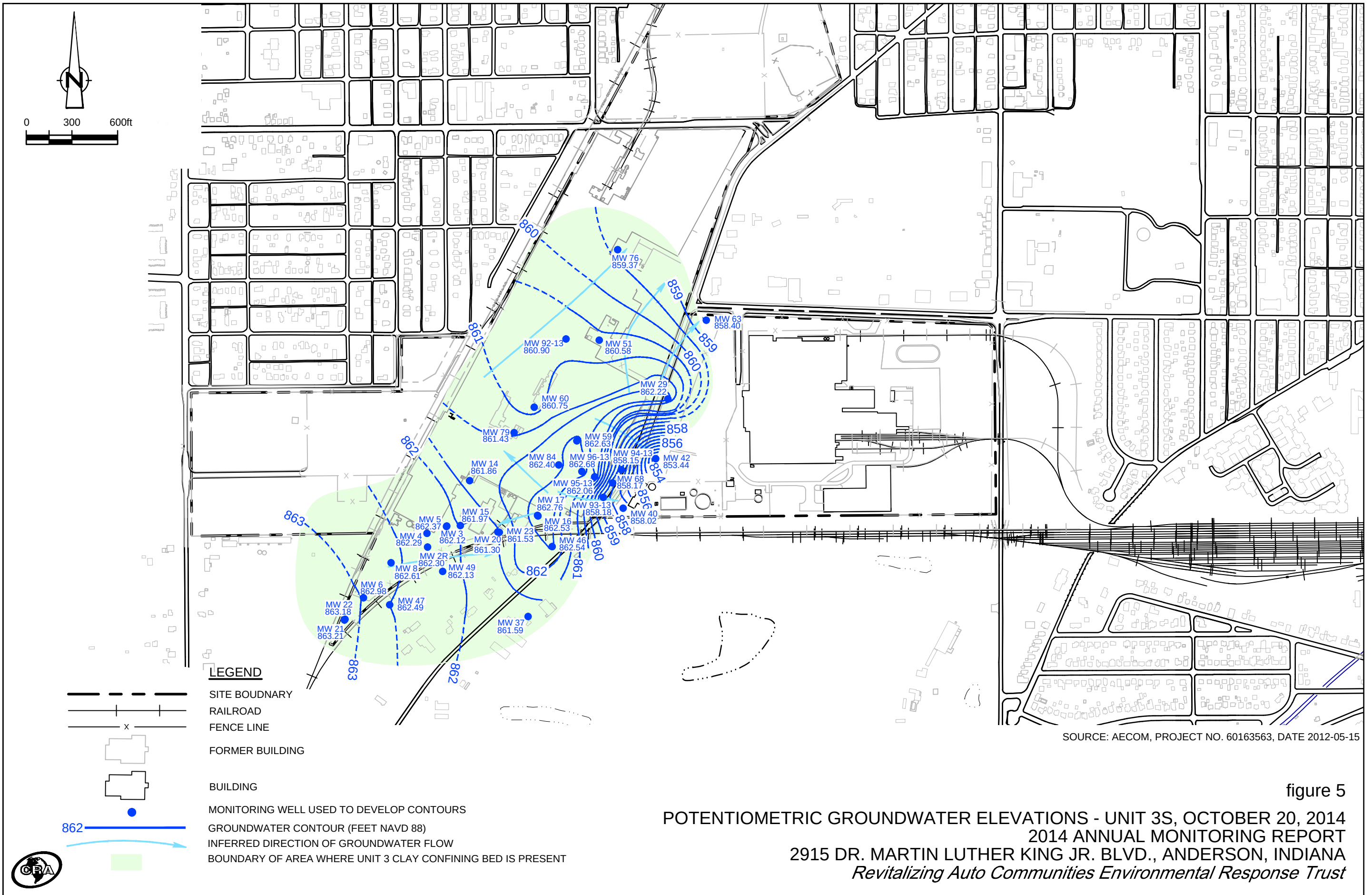


figure 5

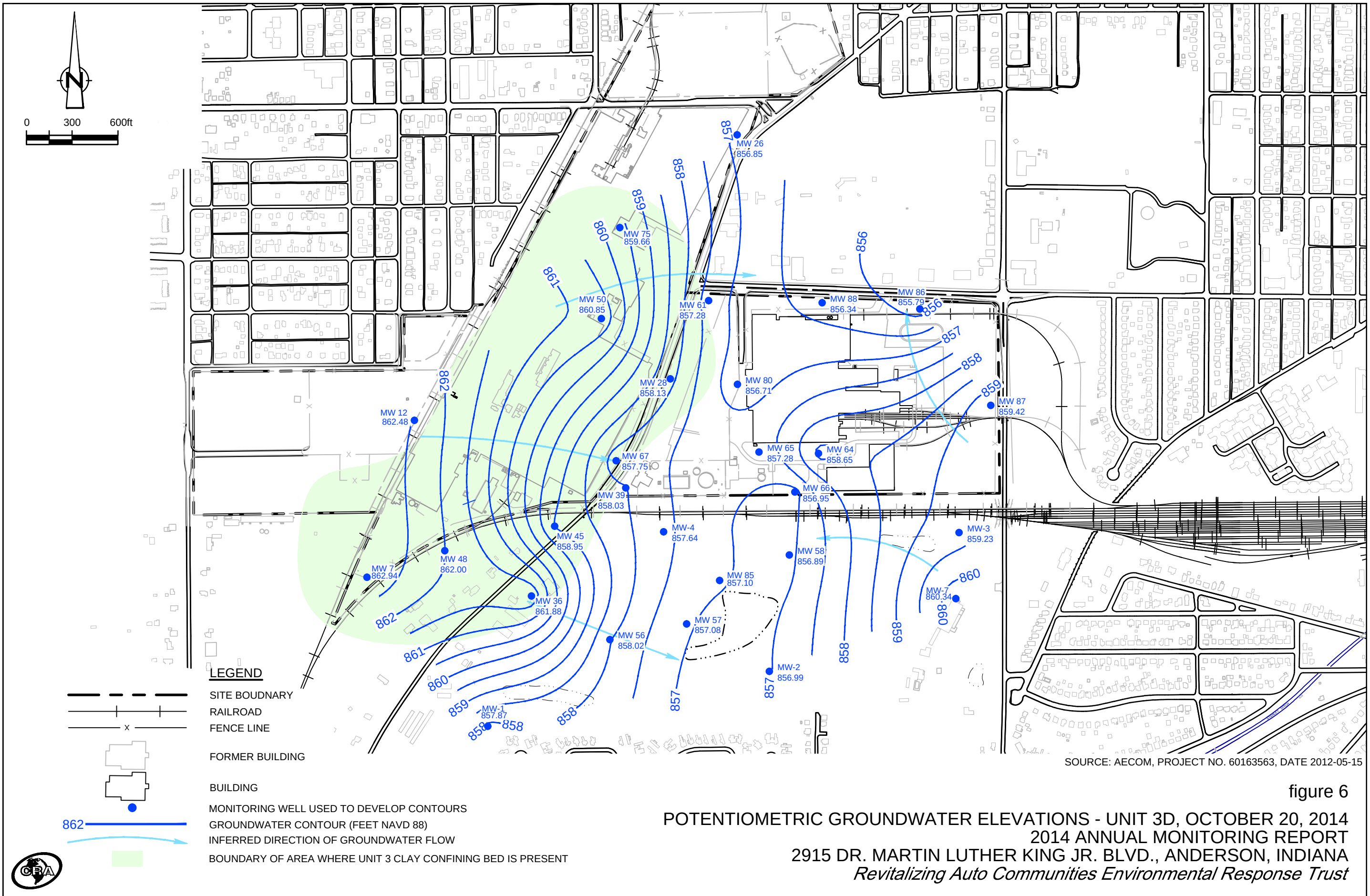
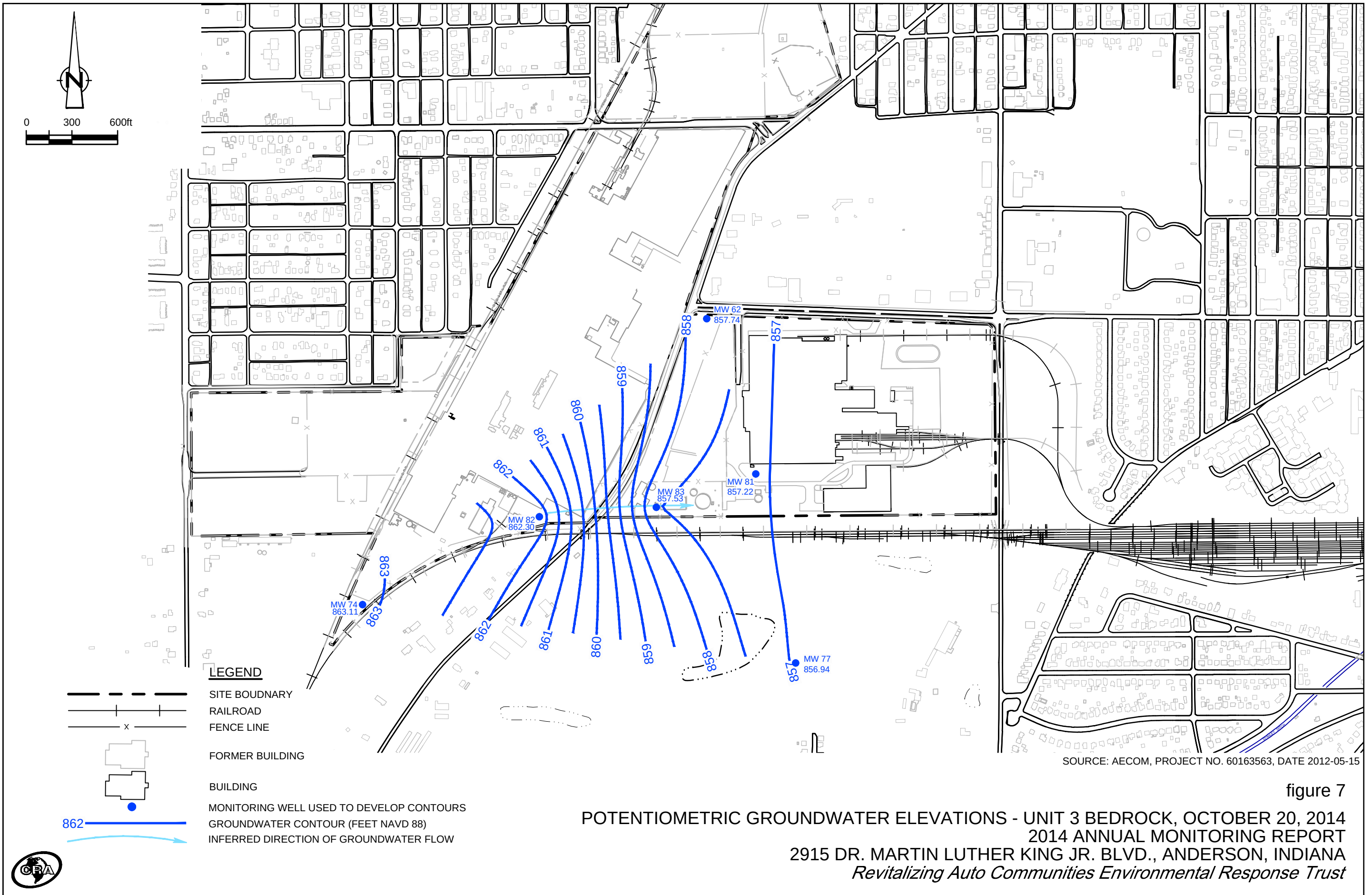
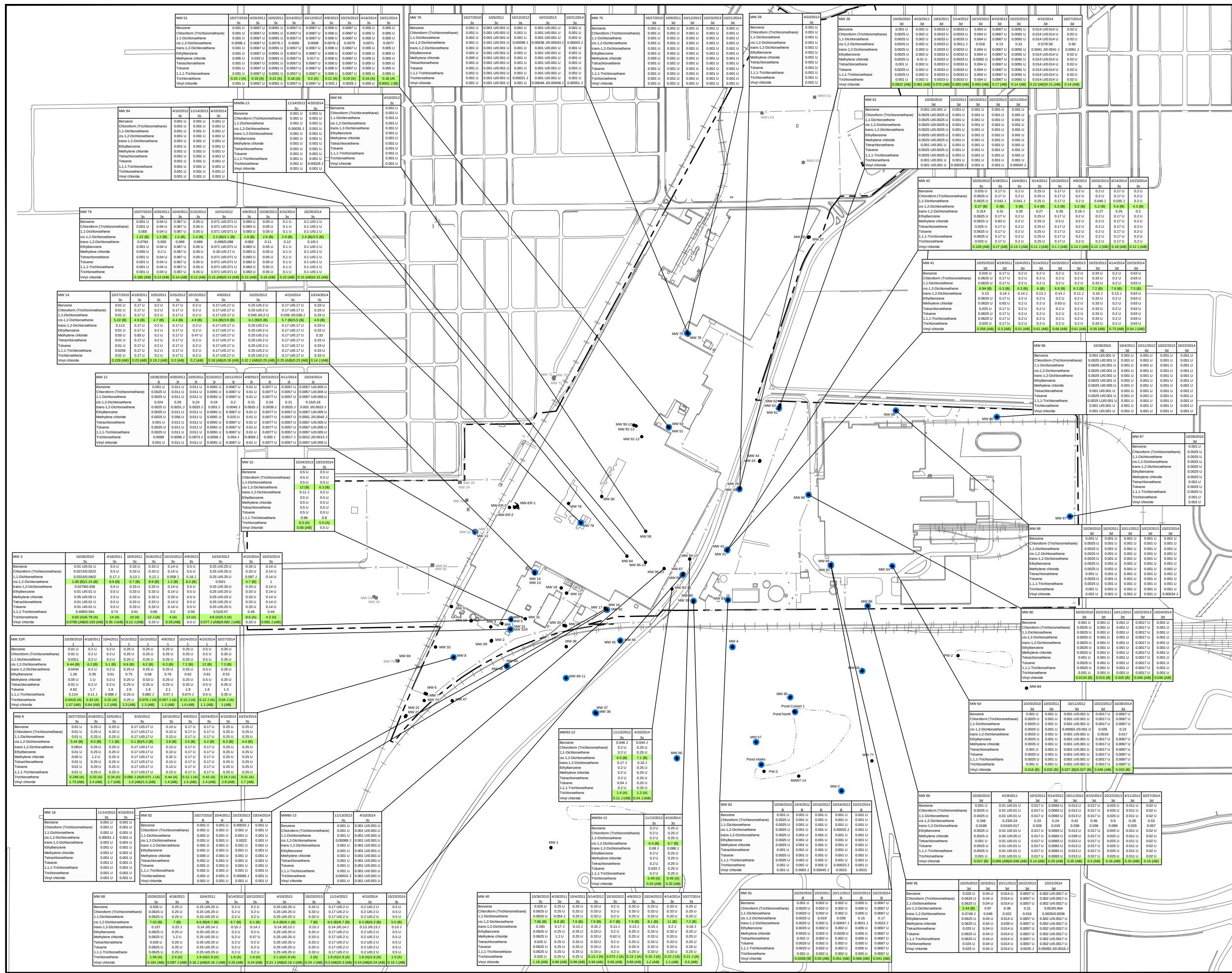


figure 6





LEGEND

SITE BOUNDARY
LOT LINE
RAILROAD
FENCE LINE
BUILDING

MONITORING WELL LOCATION
MONITORING WELL LOCATION
DECOMMISSIONED IN 2014

0 100 300ft

SAMPLE LOCATION

SAMPLE DATE
GEOLOGIC UNIT

WS - SURFACE WATER
1 - UNIT 1, PAVED GROUNDWATER IN FILL
2 - UNIT 2, SHALLOW GROUNDWATER IN UPPERMOST AQUIFER
3 - UNIT 3, INTERMEDIATE GROUNDWATER IN UPPERMOST AQUIFER
4 - UNIT 4, DEEP GROUNDWATER IN UPPERMOST AQUIFER
5 - BEDROCK GROUNDWATER IN BEDROCK AQUIFER

CONCENTRATION (mg/L)

PARAMETER

EXCEEDANCE OF ONE OR MORE
SCREENING CRITERIA

SAMPLE LOCATIONS INCLUDED IN GMP

SCREENING CRITERIA

CHEMICAL NAME	A	B
Benzene	1.20E-01	-
Chloroform (Trichloromethane)	1.20E-01	5.10E+00
1,1-Dichloroethene	1.30E+00	1.00E+00
trans-1,2-Dichloroethene	-	2.00E+00
Ethylbenzene	-	2.00E+00
Methylene chloride	-	-
Tetrachloroethene	5.00E-02	-
Toluene	-	-
1,1,1-Trichloroethane	5.40E-01	2.90E+01
1,1,2-Trichloroethane	3.80E-02	2.90E+01
Vinyl chloride	3.50E-02	3.80E-03

A IDEM Vapor Exposure Conv'd Criteria
B CITW Site-Specific Closure Level (SSCL/CITW)

NOTES:

- Parameters that do not appear in the data box for a particular sample were not analyzed.
- Sample results rounded to three decimal places.
- Screening criteria and data results are compared to two significant digits. Results equal to screening criteria are not highlighted as exceedances.
- The concentrations of chlorobenzene (0.15 mg/L J), tetrachloroethene (0.43 mg/L J), and styrene (0.14 mg/L J) in the June 2008 sample from monitoring well MW-40 exceed the drinking water criteria. However, these VOCs were not detected at MW-40 in December 2008, and have been either not detected (chlorobenzene and styrene) or detected sporadically (tetrachloroethene) at other wells in the groundwater monitoring network. Because these VOCs have been detected so sporadically, they have essentially no spatial or temporal distribution, and as such, they have not been added to the data boxes.
- CITW - Commercial/Industrial Tap Water Use
- U - Not detected at the associated reporting limit
- J - Estimated concentration

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

2915 DR. MARTIN LUTHER KING JR. BLVD., ANDERSON, IN
REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST

2014 ANNUAL MONITORING REPORT

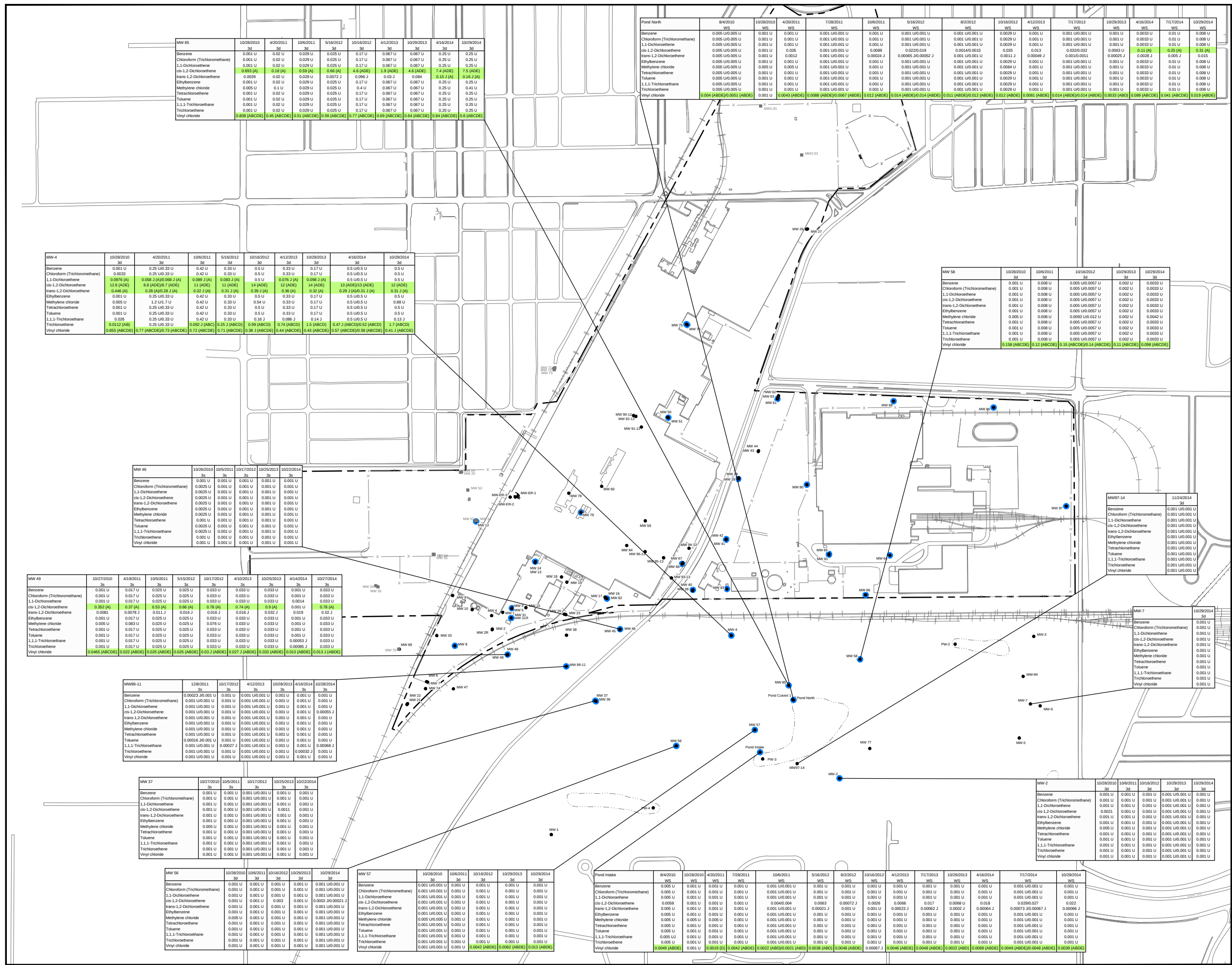
ON-SITE VOC GROUNDWATER RESULTS (2010-2014)

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager: S. RICHARDSON
Reviewed By: S. RICHARDSON
Date: JANUARY 2015

Scale: 1"=300'
Project No: 017302-T07
Report No: 039
Drawing No: 8



LEGEND

SITE BOUNDARY
LOT LINE
RAILROAD
FENCE LINE

BUILDING

MONITORING WELL LOCATION
MONITORING WELL LOCATION
DECOMMISSIONED IN 2014

0 100 300ft

SAMPLE LOCATION

SAMPLE DATE

GEOLOGIC UNIT

WS - SURFACE WATER
1 - UNIT 1, PERCHED GROUNDWATER IN FILL
35 - UNIT 3, SHALLOW GROUNDWATER IN UPPERMOST AQUIFER
38 - UNIT 3, INTERMEDIATE GROUNDWATER IN UPPERMOST AQUIFER
30 - UNIT 3, DEEP GROUNDWATER IN UPPERMOST AQUIFER
B - BEDROCK, GROUNDWATER IN BEDROCK AQUIFER

CONCENTRATION (mg/L)

PARAMETER

EXCEEDANCE OF ONE OR MORE SCREENING CRITERIA

SAMPLE LOCATIONS INCLUDED IN GMP

SCREENING CRITERIA

CHEMICAL NAME	A	B	C	D	E
Benzene	5.00E-03	2.40E-02	1.20E-01	-	-
Chloroform (Trichloromethane)	8.00E-02	-	-	-	-
1,1-Dichloroethene	7.00E-03	3.00E-01	1.30E+00	2.41E+01	5.10E+00
cis-1,2-Dichloroethene	7.00E-02	-	-	1.00E+00	1.00E+00
trans-1,2-Dichloroethene	1.00E-01	-	-	1.00E+01	2.00E+00
Ethylbenzene	7.00E-01	-	-	-	-
Methylene chloride	5.00E-03	-	-	-	-
Tetrahydrofuran	5.00E-03	1.10E-02	5.50E-02	-	-
Toluene	1.00E-00	-	-	-	-
1,1,1-Trichloroethane	2.00E-01	1.30E+01	5.40E+01	8.18E+02	2.90E+01
Trichloroethene	5.00E-03	9.10E-03	3.80E-02	1.27E-01	2.90E+01
Vinyl chloride	2.00E-03	2.00E-03	3.50E-02	8.48E-04	3.80E-03

A IDEM Residential Tap Water
B IDEM Vapor Exp Residential Criteria
C IDEM Vapor Exp Commercial Criteria
D RCR Site-Specific Closure Level (SSCLRCR)
E CITW Site-Specific Closure Level (SSCLCITW)

NOTES:

- Parameters that do not appear in the data for a particular sample were not analyzed.
- Sample results rounded to three decimal places.
- Screening criteria and sample results are compared to two significant digits. Results equal to screening criteria are not highlighted as exceedances.
- RCR - Recreator (Resident Swimming Pool)
- CITW - Commercial/Industrial Tap Water Use
- U - Not detected at the associated reporting limit
- J - Estimated concentration

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

2915 DR. MARTIN LUTHER KING JR. BLVD., ANDERSON, IN
REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST

2014 ANNUAL MONITORING REPORT

OFF-SITE VOC GROUNDWATER/SURFACE WATER RESULTS (2010-2014)

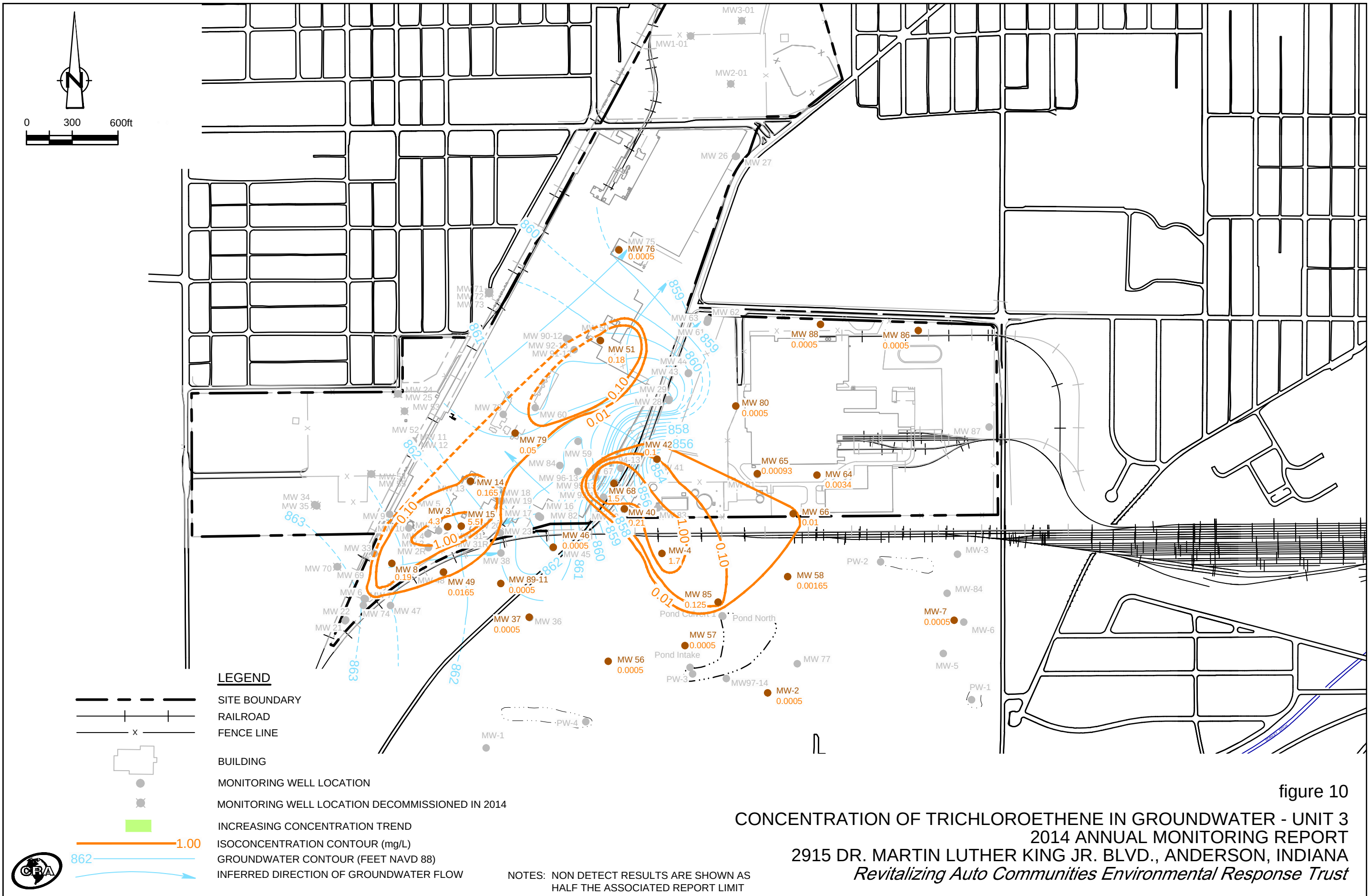
CONESTOGA-ROVERS & ASSOCIATES

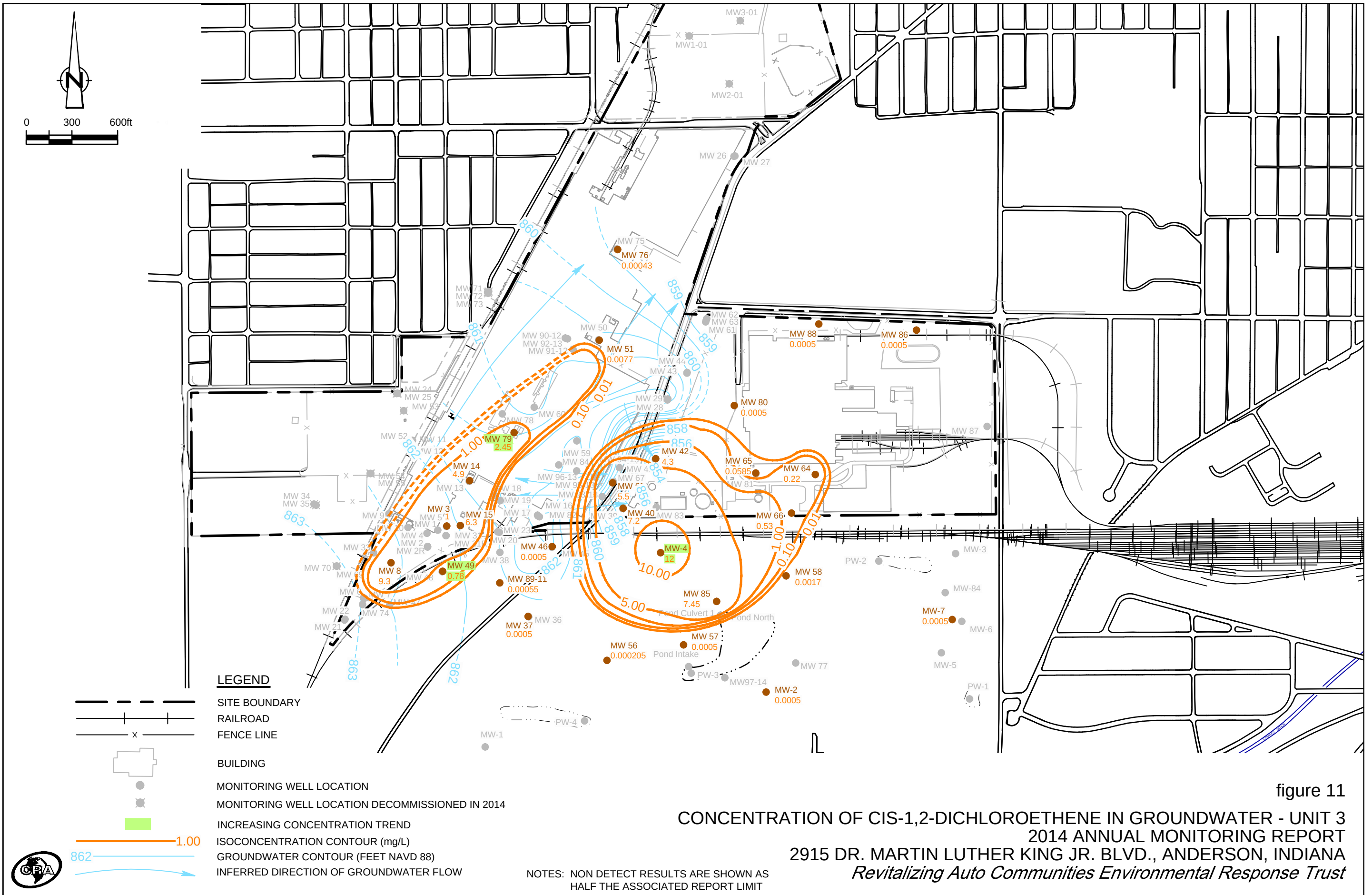
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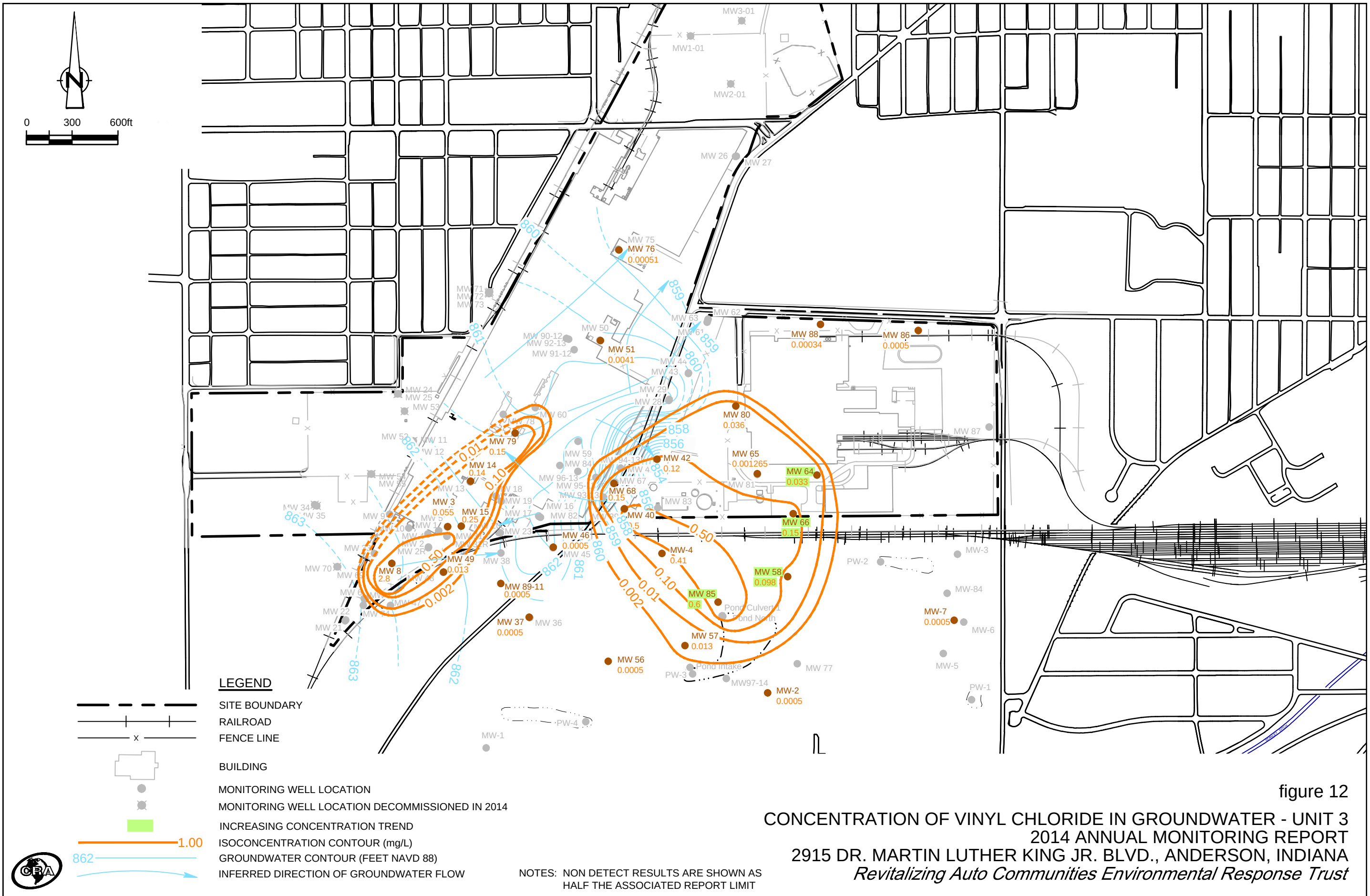
Project Manager:	Reviewed By:	Date:
S. RICHARDSON	S. RICHARDSON	JANUARY 2015

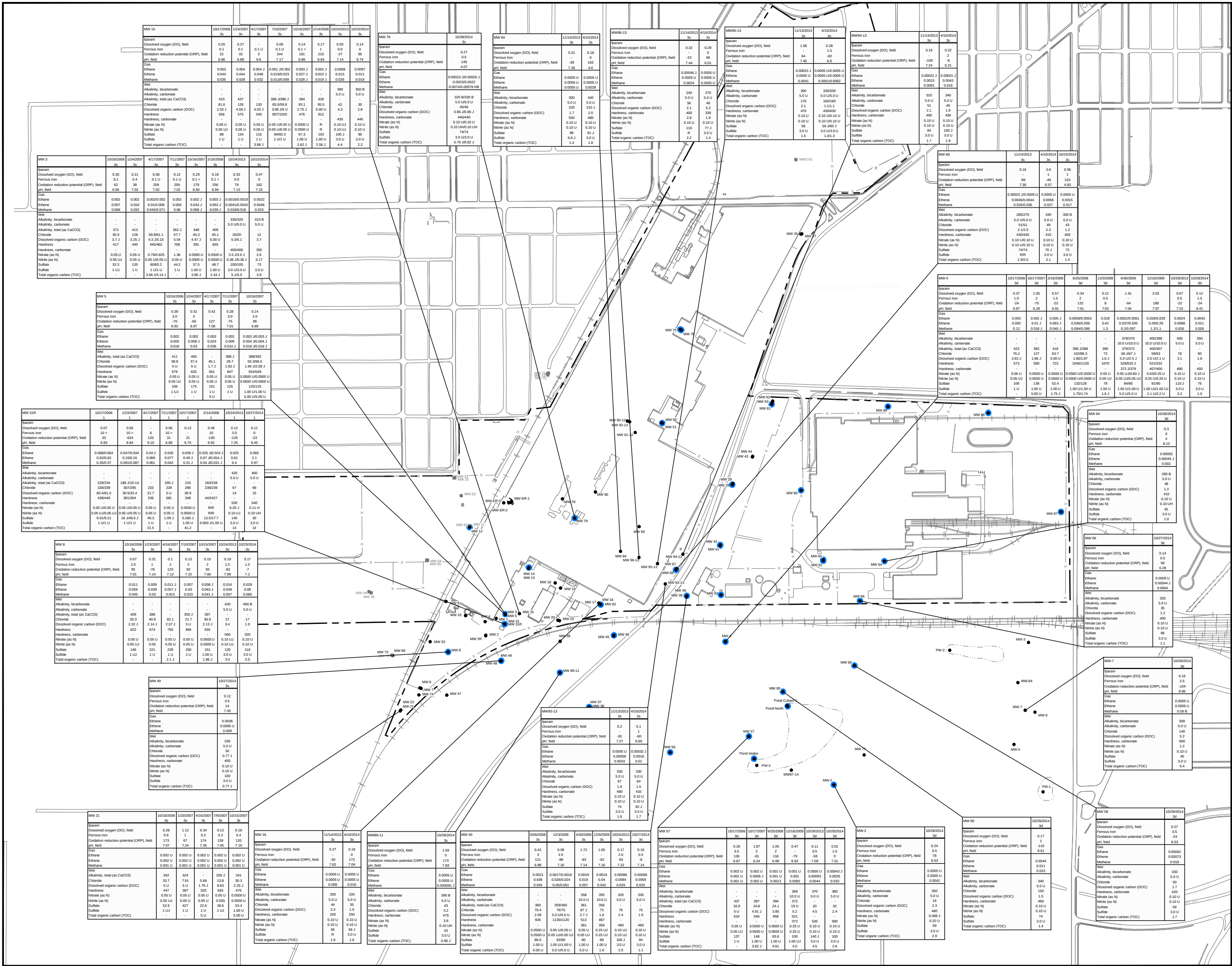
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017302-T07(039)GN-SC008 JAN 28/2015









LEGEND
SITE BOUNDARY
LOT LINE
RAILROAD
FENCE LINE

BUILDING
MONITORING WELL LOCATION
MONITORING WELL LOCATION
DECOMMISSIONED IN 2014

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

2014 ANNUAL MONITORING REPORT
GROUNDWATER RESULTS
MNA PARAMETERS - OCT. 2006 - OCT. 2014

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
Project Manager: S. RICHARDSON
Reviewed By: S. RICHARDSON
Date: JANUARY 2015
Scale: 1"=300'
Project No: 017302-T07
Report No: 039
Drawing No: 13

TABLE 1

**SITE-WIDE GROUNDWATER MONITORING PROGRAM
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA**

Monitoring Well Location	Hydro- Geologic Unit	Year Installed	Plume Position ⁽³⁾	Monitored 3 x Per Year ⁽⁴⁾	Semiannual Monitoring	Annual Monitoring
MW-2	3d	2003	WWTP, Margin			X ⁽⁵⁾
MW 3	3s	1992	AOC 1, Source		X ⁽⁵⁾	
MW-4	3d	2003	WWTP, Tail		X ⁽⁵⁾	
MW 8	3s	1993	AOC 1, Source		X ⁽⁵⁾	
MW 12	3d	1993	AOC 1, Tail		X ⁽⁵⁾	
MW 14	3s	1993	AOC 1, Tail		X ⁽⁵⁾	
MW 28	3d	2000	WWTP, Tail		X ⁽⁵⁾	
MW 31R ⁽¹⁾	1	2000	AOC 1, Source		X ⁽⁵⁾	
MW 37 ⁽¹⁾	3s	2001	AOC 1, Margin			X ⁽⁵⁾
MW 40	3s	2003	WWTP, Source		X ⁽⁵⁾	
MW 41	3d	2003	WWTP, Source		X ⁽⁵⁾	
MW 42	3s	2003	WWTP, Source		X ⁽⁵⁾	
MW 46 ⁽¹⁾	3s	2003	AOC 1, Margin			X ⁽⁵⁾
MW 49	3s	2003	AOC 1, Tail		X ⁽⁵⁾	
MW 51	3s	2003	AOC 1, Tail		X ⁽⁵⁾	
MW 56	3d	2004	WWTP, Margin			X ⁽⁵⁾
MW 57	3d	2004	WWTP, Margin			X ⁽⁵⁾
MW 58	3d	2004	WWTP, Margin			X ⁽⁵⁾
MW 61	3d	2004	WWTP, Margin			X ⁽⁵⁾
MW 64	3d	2004	WWTP, Margin			X ⁽⁵⁾
MW 65	3d	2004	WWTP, Margin			X ⁽⁵⁾
MW 66	3d	2004	WWTP, Tail		X ⁽⁵⁾	
MW 68	3s	2004	WWTP, Source		X ⁽⁵⁾	
MW 75	3d	2004	AOC 1, Margin			X ⁽⁵⁾
MW 76	3s	2004	AOC 1, Margin			X ⁽⁵⁾
MW 79	3s	2004	AOC 1, Tail		X ⁽⁵⁾	
MW 80	3d	2005	WWTP, Margin			X ⁽⁵⁾
MW 81	B	2005	WWTP, Margin			X ⁽⁵⁾
MW 82	B	2005	AOC 1, Margin			X ⁽⁵⁾
MW 83	B	2005	WWTP, Margin			X ⁽⁵⁾
MW 85	3d	2007	WWTP, Tail		X ⁽⁵⁾	
MW 86	3d	2010	WWTP, Tail			X ⁽⁵⁾
MW 88	3d	2010	WWTP, Tail			X ⁽⁵⁾
MW89-11 ⁽²⁾	3s	2011	AOC 1, Tail		X ⁽⁵⁾	
Pond (Intake)	Surface Water	N/A	Surface Water	X ⁽⁵⁾		
Pond (North)	Surface Water	N/A	Surface Water	X ⁽⁵⁾		

Notes:

(1) Well added to the monitoring program based on IDEM review comments 5/2/08

(2) Well added to the monitoring program based on recommendation letter dated 04/18/2012 and approved by IDEM on 5/11/12

(3) AOC 1 = VOC plume originating at AOC 1 - South Court

WWTP = VOC plume originating from former WWTP Area

Source = VOC source area well

(4) Locations to be sampled Spring, Summer, and Fall

(5) TCL VOCs: Target Compound List Volatile Organic Compounds

TABLE 2

MONITORING WELL CONSTRUCTION AND SURFACE WATER BENCHMARK DETAILS
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

<i>Monitoring Well Location</i>	<i>Hydro- Geologic Unit</i>	<i>Northing ⁽¹⁾</i>	<i>Easting ⁽¹⁾</i>	<i>Datum El. ^(2,3)</i>	<i>2010 Revised Datum El. ^(2,3)</i>	<i>Screen Top ⁽²⁾</i>	<i>Screen Bottom ⁽²⁾</i>
MW 1	3s	1761110.3	317311.1	880.70	880.86	864.50	860.21
MW 2	3s	1761003.2	317244.7	879.70		864.75	860.47
MW2 R	3s	1760999.3	317243.9	879.68	879.25	864.46	860.18
MW 3	3s	1761137.6	317370.2	880.51	880.41	864.53	860.25
MW 4	3s	1761089.4	317240.2	880.78		865.97	861.48
MW 5	3s	1761134.5	317368.7	880.54		852.93	843.53
MW 6	3s	1760666.3	316823.5	878.22		864.80	855.18
MW 7	3d	1760663.6	316830.5	878.18		835.40	830.82
MW 8	3s	1760896.0	317004.4	878.41		863.33	853.74
MW9	3s	1761218.5	316990.4	881.65		866.31	856.70
MW 10	3s	1761128.0	317115.5	880.88		866.30	856.67
MW 11	3s	1761699.0	317145.5	882.68		861.51	851.88
MW 12	3i	1761692.8	317141.2	882.78		833.84	829.26
MW 13	3s	1761430.2	317517.7	881.25		866.13	856.50
MW 14	3s	1761435.2	317520.1	881.36		852.63	848.06
MW 15	3s	1761140.7	317459.5	879.67		864.76	855.13
MW 16	3s	1761203.4	317969.5	878.65	879.83	864.01	854.40
MW 17	3s	1761207.9	317966.4	878.30	879.86	853.30	848.72
MW 18	3s	1761337.0	317687.7	878.88		858.88	854.15
MW 19	3s	1761304.0	317721.7	878.54		858.75	854.04
MW 20	3s	1761098.7	317705.5	877.70		852.50	847.76
MW 21	3s	1760520.1	316698.0	878.74		850.92	846.20
MW 22	3s	1760525.5	316702.1	879.11		861.67	856.92
MW 23	3s	1761096.0	317715.2	877.68		860.71	855.97
MW 24	3d	1762007.5	317041.2	882.77		803.78	794.03
MW 25	3s	1762008.7	317047.0	882.85		853.75	844.00
MW 26	3d	1763564.6	319256.7	883.09		840.65	830.82
MW 27	1	1763566.5	319262.7	883.04		853.15	848.42
MW 28	3d	1761964.9	318819.0	877.44		834.40	824.66
MW 29	3s	1761971.1	318822.0	877.53		862.21	852.49
MW 30	1	1760992.0	317335.2	878.50		868.64	863.95
MW 31	1	1761074.5	317365.6	879.22		872.17	867.91
MW 31R	1	1761074.5	317365.6	879.71		871.58	866.90
MW 32	1	1760855.5	316937.0	878.88		871.99	867.71
MW 33	1	1760961.5	316889.2	880.01		873.05	868.76
MW 34	1	1761281.2	316498.1	883.67		858.38	849.03
MW 35	3d	1761273.9	316512.3	883.96		828.90	819.56
MW 36	3d	1760540.9	317908.8	870.09		850.97	846.24
MW 37	3s	1760543.9	317904.2	869.95		860.74	856.00
MW 38	3d	1760964.00	317719.32	877.65		846.42	836.74
MW 39	3d	1761249.83	318526.24	879.51		836.29	826.56
MW 40	3s	1761254.51	318528.40	879.51		851.37	841.64
MW 41	3d	1761575.05	318740.73	878.58		839.63	834.92
MW 42	3s	1761579.24	318742.21	878.54		854.93	845.20
MW 43	3d	1762141.24	318947.24	876.00		818.86	814.13
MW 44	3s	1762145.28	318948.82	876.02		853.74	844.02
MW 45	3d	1760998.51	318060.78	873.72		833.77	824.04
MW 46	3s	1761002.51	318062.71	873.64		859.63	854.92
MW 47	3s	1760620.47	316995.56	880.27		856.99	852.27
MW 48	3d	1760837.68	317340.18	877.96		838.96	834.25
MW 49	3s	1760839.93	317343.16	877.93		855.69	845.98
MW 50	3d	1762359.73	318367.08	878.27		839.92	835.20
MW 51	3s	1762357.18	318371.66	878.19		855.93	851.20
MW 52	3d	1761696.65	317137.65	882.69		797.11	787.39
MW 53	3d	1761894.20	317087.64	881.43		758.27	748.62
MW 54	3d	1761482.29	316871.62	880.37		820.55	810.82
MW 55	3s	1761482.41	316867.16	880.28		851.42	841.69
MW 56	3d	1760254.76	318422.25	859.32		847.93	838.27
MW 57	3d	1760357.35	318925.21	862.52		842.68	833.38
MW 58	3d	1760809.76	319598.52	861.46		854.35	849.69
MW 59	3s	1761696.70	318223.89	882.00		852.77	848.03

TABLE 2

MONITORING WELL CONSTRUCTION AND SURFACE WATER BENCHMARK DETAILS
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

<i>Monitoring Well Location</i>	<i>Hydro- Geologic Unit</i>	<i>Northing ⁽¹⁾</i>	<i>Easting ⁽¹⁾</i>	<i>Datum El. ^(2,3)</i>	<i>2010 Revised Datum El. ^(2,3)</i>	<i>Screen Top ⁽²⁾</i>	<i>Screen Bottom ⁽²⁾</i>
MW 60	3s	1761917.38	317944.64	881.77		847.95	843.24
MW 61	3d	1762477.48	319069.90	876.57		823.11	813.40
MW 62	B	1762498.26	319076.96	876.70		783.65	773.95
MW 63	3s	1762488.77	319074.19	876.53		846.17	841.45
MW 64	3d	1761475.47	319789.86	863.97		853.22	843.56
MW 65	3d	1761484.84	319399.81	864.22		853.47	843.80
MW 66	3d	1761222.31	319634.36	861.67		853.73	844.02
MW 67	3d	1761427.43	318463.83	877.03		835.69	831.02
MW 68	3s	1761420.80	318459.32	876.98		846.75	842.09
MW 69	3d	1760874.10	316649.68	882.08		833.90	829.23
MW 70	3s	1760874.50	316644.87	881.82		849.98	840.32
MW 71	B	1762665.14	317640.98	878.16		761.95	752.31
MW 72	3s	1762672.70	317638.05	877.74		847.86	838.06
MW 73	3d	1762677.33	317644.90	877.96		797.57	787.91
MW 74	B	1760621.78	316817.18	881.10		818.81	809.07
MW 75	3d	1762956.02	318487.35	881.42		801.31	791.63
MW 76	3s	1762951.84	318492.81	881.11		831.97	822.34
MW 77	B	1760238.33	319661.11	862.77		851.67	842.04
MW 78	3s	1761873.71	317734.00	882.25		855.48	850.75
MW 79	3s	1761750.49	317811.99	881.92		841.69	836.96
MW 80	3d	1761928.33	319258.30	865.49		841.54	836.84
MW 81	B	1761479.01	319399.60	864.38		839.58	829.88
MW 82	B	1761198.31	317978.59	878.55	879.70	782.27	772.54
MW 83	B	1761260.12	318746.50	876.23		801.58	791.93
MW 84	3s	1761539.65	318105.07	881.95		848.97	844.25
MW 85	3d	1760642.54	319141.95	866.11		851.62	842.11
MW 86	3d	1762422.91	320453.85	859.12		841.15	836.67
MW 87	3d	1761790.75	320918.50	861.51		848.40	843.91
MW 88	3d	1762463.35	319813.49	859.59		829.41	819.91
MW 89-11	3s	1760693.90	317605.91	875.39		865.74	855.74
MW 90-12	1	1762368.16	318146.02	884.31		878.01	873.01
MW91-12	1	1762277.18	318106.74	884.50		877.30	872.30
MW 92-13	3s	1762364.98	318152.94	884.31		853.21	848.21
MW 93-13	3s	1761325.52	318397.91	880.71		848.09	843.09
MW 94-13	3s	1761506.98	318516.06	880.77		843.09	838.09
MW 95-13	3s	1761465.96	318360.70	884.13		856.53	851.53
MW 96-13	3s	1761495.10	318257.10	884.18		854.14	849.14
MW 97-14	3d	1760141.03	319196.24	NM		NM	NM
ER-1	1	1761864.90	317412.04	881.93		868.16	858.16
ER-2	1	1761856.43	317394.55	881.96		872.19	862.19
ER-3	1	1761856.37	317361.47	882.09		872.28	862.28
Meadowbrook Golf Course Wells							
MW-1	3d	1759686.91	317622.12	859.18		855.67	847.67
MW-2	3d	1760047.06	319467.27	860.08		857.31	851.31
MW-3	3d	1760956.57	320710.96	862.68		860.06	851.36
MW-4	3d	1760961.86	318774.81	861.67		859.08	839.08
MW-5	3d	1760305.51	320618.11	871.01		866.49	853.49
MW-6	3d	1760511.36	320752.07	868.92		862.30	844.30
MW-7	3d	1760523.65	320689.67	869.69		864.01	844.01
Surface Water							
TBM-1	3d	1759953.34	320818.16	862.50		NA	NA
TBM-2	3d	1760924.00	320538.74	860.41		NA	NA
TBM-3	3d	1760214.40	318958.42	858.97		NA	NA
TBM-4	3d	1759888.87	318295.42	860.51		NA	NA
TBM-5	3d	1759672.93	318693.89	857.49		NA	NA
TBM-6	3d	1759806.90	319657.43	857.82		NA	NA
Culvert 1	3d	1760552.00	319168.00	857.79		NA	NA

Notes:

(1) Coordinates are Indiana State Plane Coordinate System, 1301 East, NAD 83, US Survey Feet.

(2) Elevation based on level survey relative to USGS Monument PID LA1429 = 882.61 NAVD88.

(3) Datum for elevation and depth is marked on top of PVC riser pipe.

NM - Not Measured

NA - Not Applicable

TABLE 3

**GROUNDWATER ELEVATIONS
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA**

Monitoring Well Location	Hydro- Geologic Unit	Riser Elevation (f NAVD 88)	21-Oct-13		9-Apr-14		20-Oct-14	
			Depth to Water (f btor)	Groundwater Elevation (f NAVD 88)	Depth to Water (f btor)	Groundwater Elevation (f NAVD 88)	Depth to Water (f btor)	Groundwater Elevation (f NAVD 88)
MW 1	3s	880.86	-	-	-	-	-	-
MW 2	3s	879.70	-	-	-	-	-	-
MW2 R	3s	879.25	17.70	861.55	-	-	16.95	862.30
MW 3	3s	880.41	18.99	861.42	15.04	865.37	18.29	862.12
MW 4	3s	880.78	19.21	861.57	-	-	18.49	862.29
MW 5	3s	880.54	18.94	861.60	-	-	18.17	862.37
MW 6	3s	878.22	16.05	862.17	-	-	15.24	862.98
MW 7	3d	878.18	16.01	862.17	-	-	15.24	862.94
MW 8	3s	878.41	16.53	861.88	11.46	866.95	15.8	862.61
MW9	3s	881.65	-	-	-	-	-	-
MW 10	3s	880.88	23.25	857.63	-	-	-	-
MW 11	3s	882.68	21.05	861.63	-	-	-	-
MW 12	3d	882.78	20.99	861.79	17.14	865.64	20.3	862.48
MW 13	3s	881.25	-	-	-	-	-	-
MW 14	3s	881.36	20.12	861.24	16.99	864.37	19.5	861.86
MW 15	3s	879.67	17.35	862.32	-	-	17.7	861.97
MW 16	3s	879.83	17.30	862.53	15.57	864.26	17.3	862.53
MW 17	3s	879.86	17.30	862.56	-	-	17.1	862.76
MW 18	3s	878.88	23.15	855.73	-	-	22.52	856.36
MW 19	3s	878.54	5.67	872.87	-	-	5.01	873.53
MW 20	3s	877.70	17.70	860.00	-	-	16.4	861.30
MW 21	3s	878.74	16.27	862.47	-	-	15.53	863.21
MW 22	3s	879.11	17.01	862.10	-	-	15.93	863.18
MW 23	3s	877.68	17.31	860.37	-	-	16.15	861.53
MW 24	3d	882.77	21.25	861.52	-	-	-	-
MW 25	3s	882.85	21.51	861.34	-	-	-	-
MW 26	3d	883.09	26.90	856.19	-	-	26.24	856.85
MW 27	1	883.04	20.21	862.83	-	-	25.85	857.19
MW 28	3d	877.44	15.79	861.65	18.57	858.87	19.31	858.13
MW 29	3s	877.53	16.38	861.15	-	-	15.31	862.22
MW 30	1	878.50	14.07	864.43	-	-	14.55	863.95
MW 31	1	879.22	-	-	-	-	-	879.22
MW 31R	1	879.71	8.15	871.56	6.80	872.91	8.96	870.75
MW 32	1	878.88	-	-	-	-	-	-
MW 33	1	880.01	-	-	-	-	-	-
MW 34	1	883.67	21.97	861.70	-	-	-	-
MW 35	3d	883.96	-	-	-	-	-	-
MW 36	3d	870.09	8.56	861.53	-	-	8.21	861.88
MW 37	3s	869.95	8.82	861.13	7.31	862.64	8.36	861.59
MW 38	3d	877.65	-	-	-	-	-	-
MW 39	3d	879.51	21.79	857.72	-	-	21.48	858.03
MW 40	3s	879.51	21.79	857.72	20.24	859.27	21.49	858.02
MW 41	3d	878.58	25.39	853.19	23.77	854.81	25	853.58
MW 42	3s	878.54	25.50	853.04	23.86	854.68	25.1	853.44
MW 43	3d	876.00	19.90	856.10	-	-	-	-
MW 44	3s	876.02	14.43	861.59	-	-	-	-
MW 45	3d	873.72	15.02	858.70	-	-	14.77	858.95
MW 46	3s	873.64	11.43	862.21	8.98	864.66	11.1	862.54
MW 47	3s	880.27	17.99	862.28	-	-	17.78	862.49
MW 48	3d	877.96	16.62	861.34	-	-	15.96	862.00
MW 49	3s	877.93	16.50	861.43	11.94	865.99	15.8	862.13
MW 50	3d	878.27	17.77	860.50	-	-	17.42	860.85
MW 51	3s	878.19	17.62	860.57	15.86	862.33	17.61	860.58
MW 52	3d	882.69	19.60	863.09	-	-	-	-
MW 53	3d	881.43	20.32	861.11	-	-	-	-
MW 54	3d	880.37	18.05	862.32	-	-	-	-
MW 55	3s	880.28	18.01	862.27	-	-	-	-
MW 56	3d	859.32	2.20	857.12	1.56	857.76	1.3	858.02
MW 57	3d	862.52	5.45	857.07	4.96	857.56	5.44	857.08
MW 58	3d	861.46	4.70	856.76	4.14	857.32	4.57	856.89

TABLE 3

**GROUNDWATER ELEVATIONS
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA**

Monitoring Well Location	Hydro- Geologic Unit	Riser Elevation (f NAVD 88)	21-Oct-13		9-Apr-14		20-Oct-14	
			Depth to Water (f btor)	Groundwater Elevation (f NAVD 88)	Depth to Water (f btor)	Groundwater Elevation (f NAVD 88)	Depth to Water (f btor)	Groundwater Elevation (f NAVD 88)
MW 59	3s	882.00	19.35	862.65	-	-	19.37	862.63
MW 60	3s	881.77	21.84	859.93	-	-	21.02	860.75
MW 61	3d	876.57	19.72	856.85	18.19	858.38	19.29	857.28
MW 62	B	876.70	19.44	857.26	-	-	18.96	857.74
MW 63	3s	876.53	18.50	858.03	-	-	18.13	858.40
MW 64	3d	863.97	7.23	856.74	5.95	858.02	5.32	858.65
MW 65	3d	864.22	7.29	856.93	5.96	858.26	6.94	857.28
MW 66	3d	861.67	4.82	856.85	3.80	857.87	4.72	856.95
MW 67	3d	877.03	19.25	857.78	-	-	19.28	857.75
MW 68	3s	876.98	18.13	858.85	17.65	859.33	18.81	858.17
MW 69	3d	882.08	18.11	863.97	-	-	-	-
MW 70	3s	881.82	18.25	863.57	-	-	-	-
MW 71	B	878.16	16.89	861.27	-	-	-	-
MW 72	3s	877.74	17.16	860.58	-	-	-	-
MW 73	3d	877.96	17.51	860.45	-	-	-	-
MW 74	B	881.10	17.57	863.53	-	-	17.99	863.11
MW 75	3d	881.42	22.34	859.08	20.52	860.90	21.76	859.66
MW 76	3s	881.11	22.32	858.79	-	-	21.74	859.37
MW 77	B	862.77	5.65	857.12	-	-	5.83	856.94
MW 78	3s	882.25	-	-	-	-	-	-
MW 79	3s	881.92	21.20	860.72	17.97	863.95	20.49	861.43
MW 80	3d	865.49	8.76	856.73	7.31	858.18	8.78	856.71
MW 81	B	864.38	7.47	856.91	6.20	858.18	7.16	857.22
MW 82	B	879.70	17.92	861.78	13.30	866.40	17.4	862.30
MW 83	B	876.23	18.90	857.33	17.86	858.37	18.7	857.53
MW 84	3s	881.95	19.90	862.05	18.65	863.30	19.55	862.40
MW 85	3d	866.11	8.06	858.05	8.50	857.61	9.01	857.10
MW 86	3d	859.12	3.72	855.40	1.99	857.13	3.33	855.79
MW 87	3d	861.51	2.19	859.32	-	-	2.09	859.42
MW 88	3d	859.59	3.60	855.99	2.99	856.60	3.25	856.34
MW89-11	3s	875.39	14.01	861.38	10.93	864.46	8.13	867.26
MW 90-12	1	884.31	-	-	-	-	9.55	874.76
MW91-12	1	884.50	-	-	-	-	9.42	875.08
MW 92-13	3s	884.31	-	-	-	-	23.41	860.90
MW 93-13	3s	880.71	-	-	21.22	859.49	22.53	858.18
MW 94-13	3s	880.77	-	-	21.30	859.47	22.62	858.15
MW 95-13	3s	884.13	-	-	21.21	862.92	22.07	862.06
MW 96-13	3s	884.18	-	-	20.83	863.35	21.5	862.68
MW 97-14	3d	NM	-	-	-	-	-	-
ER-1	1	881.93	-	-	-	-	-	-
ER-2	1	881.96	-	-	-	-	-	-
ER-3	1	882.09	10.61	871.48	-	-	10.82	871.27
Meadowbrook Golf Course Wells								
MW-1	3d	859.18	1.38	857.80	-	-	1.31	857.87
MW-2	3d	860.08	3.10	856.98	2.93	857.15	3.09	856.99
MW-3	3d	862.68	6.90	855.78	-	-	3.45	859.23
MW-4	3d	861.67	4.74	856.93	3.39	858.28	4.03	857.64
MW-5	3d	871.01	-	-	-	-	-	-
MW-6	3d	868.92	-	-	-	-	-	-
MW-7	3d	869.69	10.03	859.66	-	-	9.35	860.34

Notes:

- (1) btor - below top of riser (i.e., reference elevation).
- (2) Elevation based on level survey relative to USGS Monument PID LA1429 = 882.61 NAVD88.
- (3) Datum for elevation and depth is marked on top of PVC riser pipe.
- (4) Blank table entries indicate that reference location was not installed at the time measurements were taken. A dash (-) indicates that the location was not measured.

TABLE 4

SAMPLE KEY
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

<i>Sample Location</i>	<i>Sample Identification</i>	<i>Sample Date</i>	<i>Time</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Parent Sample</i>	<i>TCL VOCs</i>	<i>MNA Parameters</i>
MW-2	GW-102914-SM-033	10/29/14	9:29	GW	N	--	x	x
MW 3	GW-041514-SM-011	04/15/14	12:00	GW	N	--	x	
MW 3	GW-102314-SM-015	10/23/14	10:57	GW	N	--	x	x
MW-4	GW-041614-SM-017	04/16/14	11:35	GW	N	--	x	
MW-4	GW-041614-SM-018	04/16/14	11:40	GW	FD	GW-041614-SM-017	x	
MW-4	GW-102914-SM-037	10/29/14	13:07	GW	N	--	x	x
MW-7	GW-102914-SM-040	10/29/14	15:03	GW	N	--	x	x
MW 8	GW-041514-SM-009	04/15/14	10:15	GW	N	--	x	
MW 8	GW-102314-SM-014	10/23/14	10:00	GW	N	--	x	x
MW 12	GW-041114-SM-002	04/11/14	10:35	GW	N	--	x	
MW 12	GW-102414-SM-019	10/24/14	8:45	GW	N	--	x	
MW 12	GW-102414-SM-020	10/24/14	8:50	GW	FD	GW-102414-SM-019	x	
MW 14	GW-041514-SM-013	04/15/14	14:50	GW	N	--	x	
MW 14	GW-041514-SM-014	04/15/14	14:55	GW	FD	GW-041514-SM-013	x	
MW 14	GW-102414-SM-023	10/24/14	11:35	GW	N	--	x	
MW15	GW-102314-SM-016	10/23/14	12:34	GW	N	--	x	x
MW 28	GW-041514-SM-007	04/15/14	9:10	GW	N	--	x	
MW 28	GW-041514-SM-008	04/15/14	9:15	GW	FD	GW-041514-SM-007	x	
MW 28	GW-102714-SM-028	10/27/14	14:50	GW	N	--	x	
MW 31R	GW-041514-SM-010	04/15/14	11:20	GW	N	--	x	
MW 31R	GW-102714-SM-026	10/27/14	12:37	GW	N	--	x	x
MW 37	GW-102214-SM-011	10/22/14	14:27	GW	N	--	x	
MW 40	GW-041414-SM-003	04/14/14	12:40	GW	N	--	x	
MW 40	GW-102714-SM-027	10/27/14	13:42	GW	N	--	x	x
MW 41	GW-041414-SM-004	04/14/14	13:25	GW	N	--	x	
MW 41	GW-102314-SM-018	10/23/14	14:33	GW	N	--	x	
MW 42	GW-041414-SM-005	04/14/14	14:10	GW	N	--	x	
MW 42	GW-102314-SM-017	10/23/14	13:43	GW	N	--	x	
MW 46	GW-102214-SM-012	10/22/14	15:20	GW	N	--	x	
MW 49	GW-041414-SM-006	04/14/14	14:55	GW	N	--	x	
MW 49	GW-102714-SM-025	10/27/14	11:45	GW	N	--	x	x
MW 51	GW-041614-SM-015	04/16/14	8:50	GW	N	--	x	
MW 51	GW-102114-SM-004	10/21/14	15:05	GW	N	--	x	
MW 56	GW-102914-SM-038	10/29/14	13:57	GW	N	--	x	
MW 56	GW-102914-SM-039	10/29/14	14:00	GW	FD	GW-102914-SM-038	x	
MW 57	GW-102914-SM-034	10/29/14	10:17	GW	N	--	x	x
MW 58	GW-102914-SM-036	10/29/14	12:17	GW	N	--	x	x
MW 61	GW-102114-SM-003	10/21/14	13:45	GW	N	--	x	
MW 64	GW-102814-SM-032	10/28/14	13:30	GW	N	--	x	x
MW 65	GW-102214-SM-006	10/22/14	10:53	GW	N	--	x	
MW 65	GW-102214-SM-007	10/22/14	10:55	GW	FD	GW-102214-SM-006	x	
MW 66	GW-041114-SM-001	04/11/14	9:15	GW	N	--	x	
MW 66	GW-102714-SM-024	10/27/14	10:43	GW	N	--	x	x
MW 68	GW-041014-SM-002	04/10/14	8:50	GW	N	--	x	
MW 68	GW-102314-SM-013	10/23/14	8:57	GW	N	--	x	x
MW 75	GW-102114-SM-001	10/21/14	11:45	GW	N	--	x	
MW 76	GW-102114-SM-002	10/21/14	12:30	GW	N	--	x	
MW 79	GW-041514-SM-012	04/15/14	13:40	GW	N	--	x	
MW 79	GW-102814-SM-029	10/28/14	10:00	GW	N	--	x	x
MW 79	GW-102814-SM-030	10/28/14	10:15	GW	FD	GW-102814-SM-029	x	x
MW 80	GW-102414-SM-021	10/24/14	9:37	GW	N	--	x	
MW 81	GW-102214-SM-005	10/22/14	10:15	GW	N	--	x	
MW 82	GW-102414-SM-022	10/24/14	10:27	GW	N	--	x	
MW 83	GW-102214-SM-010	10/22/14	13:18	GW	N	--	x	
MW 85	GW-041614-SM-019	04/16/14	12:20	GW	N	--	x	
MW 85	GW-102914-SM-035	10/29/14	11:18	GW	N	--	x	x
MW 86	GW-102214-SM-009	10/22/14	12:17	GW	N	--	x	
MW 88	GW-102214-SM-008	10/22/14	11:33	GW	N	--	x	
MW 89-11	GW-041614-SM-016	04/16/14	10:10	GW	N	--	x	
MW89-11	GW-102814-SM-031	10/28/14	11:40	GW	N	--	x	x

TABLE 4

SAMPLE KEY
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

<i>Sample Location</i>	<i>Sample Identification</i>	<i>Sample Date</i>	<i>Time</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Parent Sample</i>	<i>TCL VOCs</i>	<i>MNA Parameters</i>
Pond (Intake)	SW-041614-SM-001	04/16/14	11:00	SW	N	--	x	
Pond (Intake)	SW-071714-SM-002	07/17/14	8:56	SW	N	--	x	
Pond (Intake)	SW-071714-SM-003	07/17/14	9:00	SW	FD	SW-071714-SM-002	x	
Pond (Intake)	SW-102914-SM-001	10/29/14	9:55	SW	N	--	x	
Pond (North)	SW-041614-SM-001	04/16/14	12:00	SW	N	--	x	
Pond (North)	SW-071714-SM-001	07/17/14	8:50	SW	N	--	x	
Pond (North)	SW-102914-SM-002	10/29/14	10:55	SW	N	--	x	
N/A	TB-041614-SM-001	04/16/14	-	TB	TB	--	x	
N/A	TB-071714-SM-001	07/17/14	-	TB	TB	--	x	
N/A	TB-102314-SM-001	10/23/14	-	TB	TB	--	x	
N/A	TB-102314-SM-002	10/23/14	-	TB	TB	--	x	
N/A	TB-102714-SM-003	10/27/14	-	TB	TB	--	x	
N/A	TB-102814-SM-004	10/28/14	-	TB	TB	--	x	
N/A	TB-102914-SM-005	10/29/14	-	TB	TB	--	x	
N/A	RB-041514-SM-001	04/15/14	10:30	EB	EB	--	x	
N/A	RB-041514-SM-002	04/15/14	15:10	EB	EB	--	x	
N/A	RB-041614-SM-003	04/16/14	10:10	EB	EB	--	x	
N/A	RB-102214-SM-001	10/22/14	13:25	EB	EB	--	x	
N/A	RB-102414-SM-002	10/24/14	8:59	EB	EB	--	x	
N/A	RB-102814-SM-003	10/28/14	10:25	EB	EB	--	x	
N/A	RB-102914-SM-004	10/29/14	14:05	EB	EB	--	x	

Notes:

X - Sample collected and analyzed at the laboratory for the noted parameters

GW - Groundwater

SW - Surface Water

TB - Trip Blank

EB - Equipment Blank

N - Normal

FD - Field Duplicate

N/A - Not Applicable

MNA - Monitored Natural Attenuation (Dissolved Gases, Sulfide, Alkalinity, Hardness, Dissolved Organic Carbon (DOC), Total Organic Carbon (TOC), Chloride, Sulfate, Nitrate, Nitrite, Manganese)

TCL VOCs - Target Compound List Volatile Organic Compounds

TABLE 5

WELL STABILIZATION PARAMETERS - APRIL AND OCTOBER 2014
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (° C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW-2	10/29/14	9:00	--	--	--	--	--	--
		9:15	15.55	0.815	0.23	8.65	6.56	82
		9:20	15.44	0.817	0.24	5.96	6.51	80
		9:25	15.45	0.817	0.24	3.72	6.53	78
MW 3	04/15/14	11:30	--	--	--	--	--	--
		11:45	10.95	0.807	0.21	7.11	7.89	-39
		11:50	10.8	0.807	0.16	5.07	7.89	-36
		11:55	10.89	0.807	0.15	0.15	7.88	-35
MW 3	10/23/14	10:30	--	--	--	--	--	--
		10:45	14.39	0.751	0.51	4.96	7.16	162
		10:50	14.39	0.751	0.48	4.32	7.15	162
		10:55	14.39	0.751	0.47	2.87	7.15	162
MW-4	04/16/14	11:10	--	--	--	--	--	--
		11:25	9.28	1.100	0.22	17.5	8.41	-139
		11:30	9.09	1.100	0.21	8.13	8.4	-130
		11:35	9.08	1.100	0.21	3.96	8.38	-129
MW-4	10/29/14	12:40	--	--	--	--	--	--
		12:55	15.24	1	0.11	12.5	8.43	-24
		13:00	15.23	1	0.13	7.41	8.42	-24
		13:05	15.21	1	0.12	4.43	8.41	-24
MW-7	10/29/14	14:35	--	--	--	--	--	--
		14:50	14.12	1.41	0.26	15.7	8.89	-102
		14:55	14.17	1.41	0.18	10.3	8.87	-102
		15:00	14.19	1.41	0.16	4.63	8.86	-104
MW 8	04/15/14	9:45	--	--	--	--	--	--
		10:00	10.96	1.07	0.12	4.26	7.46	-99
		10:05	10.91	1.07	0.13	3.98	7.45	-99
		10:10	10.91	1.07	0.12	3.51	7.45	-98
MW 8	10/23/14	9:30	--	--	--	--	--	--
		9:45	12.84	0.47	0.14	2.21	7.14	-3
		9:50	13.04	0.459	0.16	9.29	7.18	-6
		9:55	13.07	0.458	0.17	4.96	7.2	-7

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<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (° C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW 12	04/11/14	10:00	--	--	--	--	--	--
		10:15	13.91	0.855	0.36	11.3	6.86	-91
		10:20	13.88	0.853	0.29	9.63	6.84	-93
		10:25	13.86	0.853	0.17	9.23	6.84	-93
		10:30	13.85	0.853	0.22	9.14	6.84	-92
		10:35	13.85	0.853	0.23	8.94	6.84	-92
MW 12	10/24/14	8:20	--	--	--	--	--	--
		8:35	13.44	0.875	0.29	19.3	5.19	111
		8:40	13.44	0.874	0.28	0.61	5.21	99
		8:45	13.44	0.874	0.28	4.85	5.21	97
MW 14	04/15/14	14:20	--	--	--	--	--	--
		14:35	12.31	0.93	0.53	5.53	8.06	-143
		14:40	12.38	0.931	0.41	0.41	8.07	-143
		14:45	12.45	0.931	0.4	0.4	8.07	-147
MW 14	10/24/14	11:05	--	--	--	--	--	--
		11:20	13.92	0.921	0.47	7.66	6.26	33
		11:25	13.9	0.921	0.45	5.83	6.28	32
		11:30	13.88	0.921	0.43	4.69	6.29	32
MW 15	10/23/14	12:05	--	--	--	--	--	--
		12:20	13.92	0.88	0.16	15.7	6.71	104
		12:25	13.98	0.88	0.15	11.2	6.76	96
		12:30	14	0.88	0.14	4.63	6.74	95
MW 28	04/15/14	8:40	--	--	--	--	--	--
		8:55	15.2	1.09	0.32	30.5	6.93	0.67
		9:00	15.1	1.09	0.31	22.3	7.02	0.78
		9:05	15.11	1.04	0.31	26.5	7.01	0.77
MW 28	10/27/14	14:20	--	--	--	--	--	--
		14:35	16.65	1.01	0.23	21.8	7.4	-27
		14:40	16.65	1.01	0.21	8.32	7.41	-27
		14:45	16.61	1.01	0.2	4.66	7.43	-26
MW 31R	04/15/14	10:50	--	--	--	--	--	--
		11:05	8.39	1.17	0.49	25.2	7.81	-140
		11:10	8.37	1.17	0.41	6.01	7.83	-137
		11:15	8.37	1.17	0.39	4.11	7.84	-139
MW 31R	10/27/14	12:10	--	--	--	--	--	--
		12:25	16.18	1.2	0.1	4.43	6.38	-14
		12:30	16.17	1.2	0.1	4.29	6.44	-22
		12:35	16.17	1.2	0.11	4.11	6.45	-23

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<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (° C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW 37	10/22/14	14:00	--	--	--	--	--	--
		14:15	16.88	0.665	1.32	12.2	7.35	152
		14:20	16.58	0.663	1.32	7.97	7.55	146
		14:25	16.58	0.663	1.32	4.39	7.56	145
MW 40	04/14/14	12:10	--	--	--	--	--	--
		12:25	15.26	0.96	0.58	8.97	6.41	-66
		12:30	15.25	0.965	0.57	6.73	6.41	-68
		12:35	15.25	0.966	0.56	3.16	6.4	-67
MW 40	10/27/14	13:15	--	--	--	--	--	--
		13:30	14.56	0.959	0.13	7.19	7.14	-9
		13:35	14.58	0.959	0.14	5.13	7.14	-8
		13:40	14.59	0.956	0.16	4.86	7.14	-8
MW 41	04/14/14	12:50	--	--	--	--	--	--
		13:05	15.27	0.958	0.30	8.21	6.31	-63
		13:10	15.25	0.957	0.31	6.11	6.31	-63
		13:15	15.24	0.957	0.29	4.3	6.31	-63
MW 41	10/23/14	14:05	--	--	--	--	--	--
		14:20	15.58	0.951	0.26	10.5	6.59	-20
		14:25	15.49	0.951	0.26	5.03	6.57	-15
		14:30	15.47	0.951	0.26	4.66	6.57	-15
MW 42	04/14/14	13:40	--	--	--	--	--	--
		13:55	14.68	0.86	0.61	14.1	6.84	-2
		14:00	14.71	0.86	0.6	8.66	6.83	-6
		14:05	14.7	0.86	0.6	4.16	6.83	-8
MW 42	10/23/14	13:15	--	--	--	--	--	--
		13:30	15.13	0.885	0.36	6.17	5.79	86
		13:35	15.13	0.885	0.37	5.53	5.75	86
		13:40	15.13	0.885	0.36	4.99	5.76	86
MW 46	10/22/14	14:50	--	--	--	--	--	--
		15:05	14.98	1.02	0.14	15.3	7.99	147
		15:10	14.99	1.02	0.14	7.8	7.91	136
		15:15	14.99	1.03	0.14	4.17	7.95	135
MW 49	04/14/14	14:25	--	--	--	--	--	--
		14:40	12.18	0.911	0.08	--	6	25
		14:45	12.16	0.911	0.08	--	5.98	24
		14:50	12.15	0.911	0.08	--	5.98	23
MW 49	10/24/14	11:15	--	--	--	--	--	--
		11:30	12.84	0.847	0.13	14.2	7.43	14
		11:35	12.83	0.847	0.12	7.03	7.44	14
		11:40	12.81	0.847	0.12	4.91	7.45	14

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<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (° C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW 51	04/16/14	8:20	--	--	--	--	--	--
		8:35	13.14	1.030	0.69	5.19	7.42	39
		8:40	13.1	1.030	0.42	0.42	7.41	35
		8:45	13.09	1.030	0.41	0.41	7.41	34
MW 51	10/21/14	14:35	--	--	--	--	--	--
		14:50	15.15	0.978	0.53	8.72	8.1	20
		14:55	15.09	0.978	0.52	6.99	8.03	16
		15:00	15.1	0.978	0.52	2.61	8.03	15
MW 56	10/29/14	13:30	--	--	--	--	--	--
		13:45	14.06	0.806	0.21	21.1	7.94	-28
		13:50	14.08	0.806	0.2	11.8	7.88	-27
		13:55	14.15	0.806	0.2	4.16	7.58	-25
MW 57	10/29/14	9:50	--	--	--	--	--	--
		10:05	13.82	0.912	0.05	3.36	7.43	5
		10:10	13.81	0.917	0.01	3.17	7.49	1
		10:15	13.82	0.918	0.01	3.1	7.51	0
MW 58	10/29/14	11:45	--	--	--	--	--	--
		12:00	14.45	0.865	0.25	8.96	8.54	-28
		12:05	14.44	0.863	0.27	5.14	8.54	-24
		12:10	14.44	0.865	0.27	3.22	8.53	-24
MW 61	10/21/14	13:15	--	--	--	--	--	--
		13:30	15.26	0.901	1.11	3.09	6.63	60
		13:35	15.49	0.935	1.1	3.07	6.55	54
		13:40	15.51	0.938	1.1	2.81	6.53	52
MW 64	10/28/14	13:00	--	--	--	--	--	--
		13:15	16.86	0.794	0.35	7.84	8.1	4
		13:20	16.86	0.794	0.31	5.86	8.1	4
		13:35	16.86	0.794	0.3	4.13	8.12	4
MW 65	10/22/14	10:24	--	--	--	--	--	--
		10:40	14.98	0.795	0.19	18.3	6.58	45
		10:45	14.76	0.795	0.18	0.91	6.59	49
		10:50	14.71	0.795	0.18	4.63	6.52	52
MW 66	04/11/14	8:45	--	--	--	--	--	--
		9:00	9.65	0.936	0.17	10.2	7.05	-69
		9:05	9.63	0.923	0.17	5.14	7.05	-69
		9:10	9.63	0.922	0.17	2.33	7.05	-69
MW 66	10/24/14	10:15	--	--	--	--	--	--
		10:30	14.96	0.809	0.13	8.83	6.31	66
		10:35	14.99	0.809	0.1	5.55	6.3	65
		10:40	14.99	0.809	0.14	4.13	6.28	59

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<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (° C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW68	04/10/14	8:20	--	--	--	--	--	--
		8:35	14.05	0.967	3.83	12	6.44	-42
		8:40	14.15	0.866	3.81	5.22	6.54	-46
		8:45	14.15	0.866	3.8	3.88	6.57	-49
MW 68	10/23/14	8:30	--	--	--	--	--	--
		8:45	14.06	0.846	0.96	9.32	4.92	153
		8:50	14.06	0.846	0.96	5.61	4.92	153
		8:55	14.01	0.846	0.96	4.12	4.83	153
MW 75	10/21/14	11:15	--	--	--	--	--	--
		11:30	15.33	1.02	1.66	5.96	5.62	122
		11:35	15.37	1.02	1.57	5.02	5.67	112
		11:40	15.36	1.02	1.54	4.58	5.69	110
MW 76	10/21/14	12:00	--	--	--	--	--	--
		12:15	15.61	0.936	2.86	11.3	6.96	-19
		12:20	15.71	0.938	2.87	8.87	6.82	-14
		12:25	15.71	0.433	2.86	4.91	6.83	-15
MW 79	04/15/14	13:10	--	--	--	--	--	--
		13:25	13.37	0.863	0.49	10.13	--	-146
		13:30	13.33	0.862	0.41	5.26	--	-145
		13:35	13.26	0.862	0.41	4.8	--	-145
MW 79	10/28/14	9:30	--	--	--	--	--	--
		9:45	13.88	0.859	0.27	15.7	4.11	149
		9:50	13.87	0.859	0.27	9.13	4.1	149
		9:55	13.87	0.859	0.27	4.06	4.07	149
MW 80	10/24/14	9:10	--	--	--	--	--	--
		9:15	16.07	1.15	0.11	15.3	6.91	39
		9:30	16.63	1.15	0.13	7.63	6.88	41
		9:35	16	1.15	0.14	4.11	6.81	41
MW 81	10/22/14	9:45	--	--	--	--	--	--
		10:00	14.44	0.859	0.41	25.9	7.24	89
		10:05	14.49	0.875	0.4	10.7	6.84	95
		10:10	14.43	0.876	0.38	4.86	6.81	96
MW 82	10/24/14	10:00	--	--	--	--	--	--
		10:15	12.98	0.818	0.29	4.35	7.1	-14
		10:20	13.07	0.818	0.28	2.8	7.13	-15
		10:25	13.07	0.818	0.28	2.51	7.21	-15
MW83	10/22/14	12:50	--	--	--	--	--	--
		13:05	14.69	0.893	0.11	2.96	7.85	-55
		13:10	14.73	0.891	0.11	2.51	7.93	-50
		13:15	14.71	0.893	0.11	2.44	7.95	-53

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<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (°C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW 85	04/16/14	11:55	--	--	--	--	--	--
		12:10	11.47	1.090	0.18	22.9	8.16	-135
		12:15	11.48	1.090	0.17	16.5	8.24	-135
		12:20	11.48	1.090	0.17	26.2	8.25	-135
MW 85	10/29/14	10:50	--	--	--	--	--	--
		11:05	13.71	1.21	0.18	10.1	9.76	-123
		11:15	13.64	1.21	0.18	8.76	9.52	-111
		11:18	13.63	1.21	0.17	4.93	9.51	-110
MW 86	10/22/14	11:50	--	--	--	--	--	--
		12:05	13.79	1	0.17	11.7	6.99	15
		12:10	13.76	1	0.19	7.67	7.18	10
		12:15	13.76	1	0.19	7.88	7.18	8
MW 88	10/22/14	11:05	--	--	--	--	--	--
		11:20	14.75	1.23	0.37	8.52	9.06	-111
		11:25	14.7	1.23	0.33	4.32	8.94	-106
		11:30	14.69	1.23	0.33	3.77	8.93	-104
MW 89-11	04/16/14	9:15	--	--	--	--	--	--
		9:30	9.17	1.070	0.39	109	7.69	66
		9:45	9.16	1.110	0.35	61.2	7.68	60
		9:50	9.1	1.150	0.31	21.6	7.68	61
		9:55	9.11	1.150	0.31	45.3	7.68	61
MW 89-11	10/28/14	11:10	--	--	--	--	--	--
		11:25	13.8	0.928	1.59	19.2	7.87	173
		11:30	13.82	0.928	1.59	10.1	7.86	171
		11:35	13.89	0.928	1.59	4.93	7.83	173

Notes:

mg/L	milligram per litre
mS/cm	millisiemens per centimetre
mV	millivolts
s.u.	Standard Units
°C	degrees Celsius
NTU	Nephelometric Turbidity Units

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:		MW-2	MW 3	MW 3	MW-4	MW-4	MW-4	MW-7
Sample ID:		GW-102914-SM-033	GW-041514-SM-011	GW-102314-SM-015	GW-041614-SM-017	GW-041614-SM-018	GW-102914-SM-037	GW-102914-SM-040
Sample Date:		10/29/14	04/15/14	10/23/14	04/16/14	04/16/14 (Duplicate)	10/29/14	10/29/14
Parameters:		Units						
Volatile Organic Compounds								
Acetone	mg/L	0.01 U	3.3 U	1.4 U	5 U	5 U	5 U	0.01 U
Benzene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Bromoform	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	3.3 U	1.4 U	5 U	5 U	5 U	0.01 U
Carbon disulfide	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Chloroethane	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.67 U	0.29 U	1 U	1 U	1 U	0.002 U
Dibromochloromethane	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.23 J	0.11 J	0.5	0.48 J	0.53	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.097 J	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	4.7	1	13	13	12	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.33 U	0.14 U	0.29 J	0.31 J	0.31 J	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
2-Hexanone	mg/L	0.01 U	3.3 U	1.4 U	5 U	5 U	5 U	0.01 U
Isopropyl benzene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Methyl acetate	mg/L	0.01 U	3.3 U	1.4 U	5 U	5 U	5 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	3.3 U	1.4 U	5 U	5 U	5 U	0.01 U
Methylene chloride	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.88 U	0.001 U
Styrene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U
Toluene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.5 U	0.001 U

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW-2	MW 3	MW 3	MW-4	MW-4	MW-4	MW-7
Sample ID:	GW-102914-SM-033	GW-041514-SM-011	GW-102314-SM-015	GW-041614-SM-017	GW-041614-SM-018	GW-102914-SM-037	GW-102914-SM-040
Sample Date:	10/29/14	04/15/14	10/23/14	04/16/14	04/16/14 (Duplicate)	10/29/14	10/29/14
Parameters:	Units						
Volatile Organic Compounds (Continued)							
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.001 U
1,1,1-Trichloroethane	mg/L	0.001 U	0.49	0.44	0.5 U	0.5 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.001 U
Trichloroethene	mg/L	0.001 U	8.6	4.3	0.47 J	0.52	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.33 U	0.14 U	0.5 U	0.5 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.33 U	0.055 J	0.57	0.58	0.001 U
Xylenes (total)	mg/L	0.002 U	0.67 U	0.29 U	1 U	1 U	0.002 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

-/- Laboratory Duplicate

TABLE 6

**SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA**

Sample Location:		MW 8	MW 8	MW 12	MW 12	MW 12	MW 14	MW 14
Sample ID:		GW-041514-SM-009	GW-102314-SM-014	GW-041114-SM-002	GW-102414-SM-019	GW-102414-SM-020	GW-041514-SM-013	GW-041514-SM-014
Sample Date:		04/15/14	10/23/14	04/11/14	10/24/14	10/24/14 (Duplicate)	04/15/14	04/15/14 (Duplicate)
Parameters:	Units							
Volatile Organic Compounds								
Acetone	mg/L	2.5 U	2.5 U	0.057 U	0.057 U	0.05 U	1.7 U	1.7 U
Benzene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Bromodichloromethane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Bromoform	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Bromomethane (Methyl bromide)	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	2.5 U	2.5 U	0.057 U	0.057 U	0.05 U	1.7 U	1.7 U
Carbon disulfide	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Carbon tetrachloride	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Chlorobenzene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Chloroethane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Chloroform (Trichloromethane)	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Chloromethane (Methyl chloride)	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Cyclohexane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.5 U	0.5 U	0.011 U	0.011 U	0.01 U	0.33 U	0.33 U
Dibromochloromethane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
1,2-Dichlorobenzene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
1,3-Dichlorobenzene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
1,4-Dichlorobenzene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
1,1-Dichloroethane	mg/L	0.1 J	0.25 U	0.0057 U	0.0057 U	0.0013 J	0.052 J	0.049 J
1,2-Dichloroethane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
1,1-Dichloroethene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.039 J	0.036 J
cis-1,2-Dichloroethene	mg/L	9.3	4.4	0.21	0.15	0.16	5.7	5.5
trans-1,2-Dichloroethene	mg/L	0.25 U	0.25 U	0.0025 J	0.002 J	0.0022 J	0.17 U	0.17 U
1,2-Dichloropropane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
cis-1,3-Dichloropropene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
trans-1,3-Dichloropropene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Ethylbenzene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
2-Hexanone	mg/L	2.5 U	2.5 U	0.057 U	0.057 U	0.05 U	1.7 U	1.7 U
Isopropyl benzene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Methyl acetate	mg/L	2.5 U	2.5 U	0.057 U	0.057 U	0.05 U	1.7 U	1.7 U
Methyl cyclohexane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Methyl tert butyl ether (MTBE)	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	2.5 U	2.5 U	0.057 U	0.057 U	0.05 U	1.7 U	1.7 U
Methylene chloride	mg/L	0.25 U	0.25 U	0.0057 U	0.0051 J	0.0042 J	0.17 U	0.17 U
Styrene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
1,1,2,2-Tetrachloroethane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Tetrachloroethene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U
Toluene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U	0.17 U

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 8	MW 8	MW 12	MW 12	MW 12	MW 14	MW 14
Sample ID:	GW-041514-SM-009	GW-102314-SM-014	GW-041114-SM-002	GW-102414-SM-019	GW-102414-SM-020	GW-041514-SM-013	GW-041514-SM-014
Sample Date:	04/15/14	10/23/14	04/11/14	10/24/14	10/24/14 (Duplicate)	04/15/14	04/15/14 (Duplicate)
Parameters:	Units						
Volatile Organic Compounds (Continued)							
1,2,4-Trichlorobenzene	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U
1,1,1-Trichloroethane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U
1,1,2-Trichloroethane	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U
Trichloroethene	mg/L	0.19 J	0.31	0.0017 J	0.0012 J	0.0013 J	0.17 U
Trichlorofluoromethane (CFC-11)	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.25 U	0.25 U	0.0057 U	0.0057 U	0.005 U	0.17 U
Vinyl chloride	mg/L	2.8	1.7	0.0057 U	0.0057 U	0.005 U	0.25
Xylenes (total)	mg/L	0.5 U	0.5 U	0.011 U	0.011 U	0.01 U	0.33 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

-/- Laboratory Duplicate

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:		MW 14	MW 15	MW 28	MW 28	MW 28	MW 31R	MW 31R
Sample ID:		GW-102414-SM-023	GW-102314-SM-016	GW-041514-SM-007	GW-041514-SM-008	GW-102714-SM-028	GW-041514-SM-010	GW-102714-SM-026
Sample Date:		10/24/14	10/23/14	04/15/14	04/15/14 (Duplicate)	10/27/14	04/15/14	10/27/14
Parameters:	Units							
Volatile Organic Compounds								
Acetone	mg/L	3.3 U	5 U	0.14 U	0.14 U	0.2 U	5 U	2.5 U
Benzene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Bromodichloromethane	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Bromoform	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Bromomethane (Methyl bromide)	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	3.3 U	5 U	0.14 U	0.14 U	0.2 U	5 U	2.5 U
Carbon disulfide	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Carbon tetrachloride	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Chlorobenzene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Chloroethane	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Chloroform (Trichloromethane)	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Chloromethane (Methyl chloride)	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Cyclohexane	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.67 U	1 U	0.029 U	0.029 U	0.04 U	1 U	0.5 U
Dibromochloromethane	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,2-Dichlorobenzene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,3-Dichlorobenzene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,4-Dichlorobenzene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,1-Dichloroethane	mg/L	0.33 U	0.18 J	0.014 U	0.014 U	0.02 U	0.28 J	0.3
1,2-Dichloroethane	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,1-Dichloroethene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
cis-1,2-Dichloroethene	mg/L	4.9	6.3	0.57	0.56	0.56	12	7.3
trans-1,2-Dichloroethene	mg/L	0.33 U	0.5 U	0.0041 J	0.0041 J	0.0061 J	0.5 U	0.25 U
1,2-Dichloropropane	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
cis-1,3-Dichloropropene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
trans-1,3-Dichloropropene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Ethylbenzene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.61	0.53
2-Hexanone	mg/L	3.3 U	5 U	0.14 U	0.14 U	0.2 U	5 U	2.5 U
Isopropyl benzene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Methyl acetate	mg/L	3.3 U	5 U	0.14 U	0.14 U	0.2 U	5 U	2.5 U
Methyl cyclohexane	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Methyl tert butyl ether (MTBE)	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	3.3 U	5 U	0.14 U	0.14 U	0.2 U	5 U	2.5 U
Methylene chloride	mg/L	0.33	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Styrene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,1,2,2-Tetrachloroethane	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Tetrachloroethene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Toluene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	1.6	1.3

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 14	MW 15	MW 28	MW 28	MW 28	MW 31R	MW 31R	
Sample ID:	GW-102414-SM-023	GW-102314-SM-016	GW-041514-SM-007	GW-041514-SM-008	GW-102714-SM-028	GW-041514-SM-010	GW-102714-SM-026	
Sample Date:	10/24/14	10/23/14	04/15/14	04/15/14 (Duplicate)	10/27/14	04/15/14	10/27/14	
Parameters:	Units							
Volatile Organic Compounds (Continued)								
1,2,4-Trichlorobenzene	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,1,1-Trichloroethane	mg/L	0.33 U	0.8	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
1,1,2-Trichloroethane	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Trichloroethene	mg/L	0.33 U	5.5	0.014 U	0.014 U	0.02 U	0.12 J	0.04 J
Trichlorofluoromethane (CFC-11)	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.33 U	0.5 U	0.014 U	0.014 U	0.02 U	0.5 U	0.25 U
Vinyl chloride	mg/L	0.14 J	0.5 U	0.22	0.21	0.14	1.1	1
Xylenes (total)	mg/L	0.67 U	1 U	0.029 U	0.029 U	0.04 U	0.96 J	1

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

-/- Laboratory Duplicate

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:		MW 37	MW 40	MW 40	MW 41	MW 41	MW 42	MW 42
Sample ID:		GW-102214-SM-011	GW-041414-SM-003	GW-102714-SM-027	GW-041414-SM-004	GW-102314-SM-018	GW-041414-SM-005	GW-102314-SM-017
Sample Date:		10/22/14	04/14/14	10/27/14	04/14/14	10/23/14	04/14/14	10/23/14
Parameters:	Units							
Volatile Organic Compounds								
Acetone	mg/L	0.01 U	3.3 U	2.5 U	2 U	6.3 U	1.7 U	2 U
Benzene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Bromodichloromethane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Bromoform	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	3.3 U	2.5 U	2 U	6.3 U	1.7 U	2 U
Carbon disulfide	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Carbon tetrachloride	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Chlorobenzene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Chloroethane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Cyclohexane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.67 U	0.5 U	0.4 U	1.3 U	0.33 U	0.4 U
Dibromochloromethane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,1-Dichloroethane	mg/L	0.001 U	0.37	0.22 J	0.2 U	0.63 U	0.055 J	0.2 U
1,2-Dichloroethane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,1-Dichloroethene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.035 J	0.2 U
cis-1,2-Dichloroethene	mg/L	0.001 U	11	7.2	7.6	7.3	5.6	4.3
trans-1,2-Dichloroethene	mg/L	0.001 U	0.2 J	0.16 J	0.13 J	0.63 U	0.25	0.2
1,2-Dichloropropane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Ethylbenzene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
2-Hexanone	mg/L	0.01 U	3.3 U	2.5 U	2 U	6.3 U	1.7 U	2 U
Isopropyl benzene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Methyl acetate	mg/L	0.01 U	0.24 J	2.5 U	2 U	6.3 U	1.7 U	2 U
Methyl cyclohexane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Methyl tert butyl ether (MTBE)	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	3.3 U	2.5 U	2 U	6.3 U	1.7 U	2 U
Methylene chloride	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Styrene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Tetrachloroethene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Toluene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 37	MW 40	MW 40	MW 41	MW 41	MW 42	MW 42	
Sample ID:	GW-102214-SM-011	GW-041414-SM-003	GW-102714-SM-027	GW-041414-SM-004	GW-102314-SM-018	GW-041414-SM-005	GW-102314-SM-017	
Sample Date:	10/22/14	04/14/14	10/27/14	04/14/14	10/23/14	04/14/14	10/23/14	
Parameters:	Units							
Volatile Organic Compounds (Continued)								
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,1,1-Trichloroethane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Trichloroethene	mg/L	0.001 U	0.22 J	0.21 J	0.2 U	0.63 U	0.17 U	0.2 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.33 U	0.25 U	0.2 U	0.63 U	0.17 U	0.2 U
Vinyl chloride	mg/L	0.001 U	1.1	0.5	0.73	0.54 J	0.18	0.12 J
Xylenes (total)	mg/L	0.002 U	0.67 U	0.5 U	0.4 U	1.3 U	0.33 U	0.4 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

-/- Laboratory Duplicate

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 46	MW 49	MW 49	MW 51	MW 51	MW 56	MW 56
Sample ID:	GW-102214-SM-012	GW-041414-SM-006	GW-102714-SM-025	GW-041614-SM-015	GW-102114-SM-004	GW-102914-SM-038	GW-102914-SM-039
Sample Date:	10/22/14	04/14/14	10/27/14	04/16/14	10/21/14	10/29/14	10/29/14 (Duplicate)
Parameters:	Units						
Volatile Organic Compounds							
Acetone	mg/L	0.01 U	0.01 U	0.33 U	0.05 U	0.05 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.01 U	0.33 U	0.05 U	0.05 U	0.01 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.067 U	0.01 U	0.01 U	0.002 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.0023	0.033 U	0.005 U	0.005 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.0014	0.033 U	0.005 U	0.005 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.78	0.0071	0.0077	0.00021 J
trans-1,2-Dichloroethene	mg/L	0.001 U	0.019	0.02 J	0.005 U	0.005 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.33 U	0.05 U	0.05 U	0.01 U
Isopropyl benzene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.33 U	0.05 U	0.05 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.01 U	0.33 U	0.05 U	0.05 U	0.01 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:		MW 46	MW 49	MW 49	MW 51	MW 51	MW 56	MW 56
Sample ID:		GW-102214-SM-012	GW-041414-SM-006	GW-102714-SM-025	GW-041614-SM-015	GW-102114-SM-004	GW-102914-SM-038	GW-102914-SM-039
Sample Date:		10/22/14	04/14/14	10/27/14	04/16/14	10/21/14	10/29/14	10/29/14
								(Duplicate)
Parameters:	Units							
Volatile Organic Compounds (Continued)								
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U	0.001 U
1,1,1-Trichloroethane	mg/L	0.001 U	0.00053 J	0.033 U	0.005 U	0.005 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.00085 J	0.033 U	0.16	0.18	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.033 U	0.005 U	0.005 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.013	0.013 J	0.005 U	0.0041 J	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.067 U	0.01 U	0.01 U	0.002 U	0.002 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

-/- Laboratory Duplicate

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 57	MW 58	MW 61	MW 64	MW 65	MW 65	MW 66
Sample ID:	GW-102914-SM-034	GW-102914-SM-036	GW-102114-SM-003	GW-102814-SM-032	GW-102214-SM-006	GW-102214-SM-007	GW-041114-SM-001
Sample Date:	10/29/14	10/29/14	10/21/14	10/28/14	10/22/14	10/22/14 (Duplicate)	04/11/14
Parameters:	Units						
Volatile Organic Compounds							
Acetone	mg/L	0.01 U	0.033 U	0.01 U	0.067 U	0.02 U	0.11 U
Benzene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Bromodichloromethane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Bromoform	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.033 U	0.01 U	0.067 U	0.02 U	0.11 U
Carbon disulfide	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Carbon tetrachloride	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Chlorobenzene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Chloroethane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Cyclohexane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.0067 U	0.002 U	0.013 U	0.004 U	0.022 U
Dibromochloromethane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,1-Dichloroethane	mg/L	0.001 U	0.0033 U	0.001 U	0.013	0.0029	0.017
1,2-Dichloroethane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,1-Dichloroethene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.0033 U	0.001 U	0.22	0.053	0.28
trans-1,2-Dichloroethene	mg/L	0.001 U	0.0033 U	0.001 U	0.017	0.0035	0.025
1,2-Dichloropropane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Ethylbenzene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
2-Hexanone	mg/L	0.01 U	0.033 U	0.01 U	0.067 U	0.02 U	0.11 U
Isopropyl benzene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Methyl acetate	mg/L	0.01 U	0.033 U	0.01 U	0.067 U	0.02 U	0.11 U
Methyl cyclohexane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Methyl tert butyl ether (MTBE)	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.033 U	0.01 U	0.067 U	0.02 U	0.11 U
Methylene chloride	mg/L	0.001 U	0.0042 U	0.001 U	0.0067 U	0.002 U	0.011 U
Styrene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Tetrachloroethene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Toluene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 57	MW 58	MW 61	MW 64	MW 65	MW 65	MW 66
Sample ID:	GW-102914-SM-034	GW-102914-SM-036	GW-102114-SM-003	GW-102814-SM-032	GW-102214-SM-006	GW-102214-SM-007	GW-041114-SM-001
Sample Date:	10/29/14	10/29/14	10/21/14	10/28/14	10/22/14	10/22/14 (Duplicate)	04/11/14
Parameters:	Units						
Volatile Organic Compounds (Continued)							
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,1,1-Trichloroethane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Trichloroethene	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.0033 U	0.001 U	0.0067 U	0.002 U	0.011 U
Vinyl chloride	mg/L	0.013	0.098	0.00042 J	0.033	0.00093 J	0.33
Xylenes (total)	mg/L	0.002 U	0.0067 U	0.002 U	0.013 U	0.004 U	0.022 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

-/- Laboratory Duplicate

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 66	MW 68	MW 68	MW 75	MW 76	MW 79	MW 79
Sample ID:	GW-102714-SM-024	GW-041014-SM-002	GW-102314-SM-013	GW-102114-SM-001	GW-102114-SM-002	GW-041514-SM-012	GW-102814-SM-029
Sample Date:	10/27/14	04/10/14	10/23/14	10/21/14	10/21/14	04/15/14	10/28/14
Parameters:	Units						
Volatile Organic Compounds							
Acetone	mg/L	0.2 U	2 U / 2 U	5 U	0.01 U	0.01 U	1 U
Benzene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Bromodichloromethane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Bromoform	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Bromomethane (Methyl bromide)	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.2 U	2 U / 2 U	5 U	0.01 U	0.01 U	1 U
Carbon disulfide	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Carbon tetrachloride	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Chlorobenzene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Chloroethane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Chloroform (Trichloromethane)	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Chloromethane (Methyl chloride)	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Cyclohexane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.04 U	0.4 U / 0.4 U	1 U	0.002 U	0.002 U	0.2 U
Dibromochloromethane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,2-Dichlorobenzene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,3-Dichlorobenzene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,4-Dichlorobenzene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,1-Dichloroethane	mg/L	0.04	0.18 J / 0.18 J	0.15 J	0.001 U	0.001 U	0.1 U
1,2-Dichloroethane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,1-Dichloroethene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
cis-1,2-Dichloroethene	mg/L	0.53	6.3 / 6.3	5.5	0.001 U	0.00043 J	2.9
trans-1,2-Dichloroethene	mg/L	0.057	0.13 J / 0.13 J	0.13 J	0.001 U	0.001 U	0.12
1,2-Dichloropropane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
cis-1,3-Dichloropropene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
trans-1,3-Dichloropropene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Ethylbenzene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
2-Hexanone	mg/L	0.2 U	2 U / 2 U	5 U	0.01 U	0.01 U	1 U
Isopropyl benzene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Methyl acetate	mg/L	0.2 U	2 U / 2 U	5 U	0.01 U	0.01 U	1 U
Methyl cyclohexane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Methyl tert butyl ether (MTBE)	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.2 U	2 U / 2 U	5 U	0.01 U	0.01 U	1 U
Methylene chloride	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Styrene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,1,2,2-Tetrachloroethane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Tetrachloroethene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Toluene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 66	MW 68	MW 68	MW 75	MW 76	MW 79	MW 79
Sample ID:	GW-102714-SM-024	GW-041014-SM-002	GW-102314-SM-013	GW-102114-SM-001	GW-102114-SM-002	GW-041514-SM-012	GW-102814-SM-029
Sample Date:	10/27/14	04/10/14	10/23/14	10/21/14	10/21/14	04/15/14	10/28/14
Parameters:	Units						
Volatile Organic Compounds (Continued)							
1,2,4-Trichlorobenzene	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,1,1-Trichloroethane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
1,1,2-Trichloroethane	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Trichloroethene	mg/L	0.02 U	1.8 / 1.8	1.5	0.001 U	0.001 U	0.1 U
Trichlorofluoromethane (CFC-11)	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.02 U	0.2 U / 0.2 U	0.5 U	0.001 U	0.001 U	0.1 U
Vinyl chloride	mg/L	0.15	0.24 / 0.24	0.15 J	0.001 U	0.00051 J	0.22
Xylenes (total)	mg/L	0.04 U	0.4 U / 0.4 U	1 U	0.002 U	0.002 U	0.2 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

-/- Laboratory Duplicate

TABLE 6

**SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA**

Sample Location:	MW 79	MW 80	MW 81	MW 82	MW 83	MW 85	MW 85
Sample ID:	GW-102814-SM-030	GW-102414-SM-021	GW-102214-SM-005	GW-102414-SM-022	GW-102214-SM-010	GW-041614-SM-019	GW-102914-SM-035
Sample Date:	10/28/14	10/24/14	10/22/14	10/24/14	10/22/14	04/16/14	10/29/14
	(Duplicate)						
Parameters:	Units						
Volatile Organic Compounds							
Acetone	mg/L	1 U	0.01 U	0.067 U	0.01 U	0.01 U	2.5 U
Benzene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Bromodichloromethane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Bromoform	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Bromomethane (Methyl bromide)	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	1 U	0.01 U	0.067 U	0.01 U	0.01 U	2.5 U
Carbon disulfide	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Carbon tetrachloride	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Chlorobenzene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Chloroethane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Chloroform (Trichloromethane)	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Chloromethane (Methyl chloride)	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Cyclohexane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.2 U	0.002 U	0.013 U	0.002 U	0.002 U	0.5 U
Dibromochloromethane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,2-Dichlorobenzene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,3-Dichlorobenzene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,4-Dichlorobenzene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,1-Dichloroethane	mg/L	0.1 U	0.001 U	0.0035 J	0.001 U	0.001 U	0.25
1,2-Dichloroethane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,1-Dichloroethene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
cis-1,2-Dichloroethene	mg/L	2.5	0.001 U	0.17	0.001 U	0.001 U	7.4
trans-1,2-Dichloroethene	mg/L	0.1	0.001 U	0.0022 J	0.001 U	0.001 U	0.15 J
1,2-Dichloropropane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
cis-1,3-Dichloropropene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
trans-1,3-Dichloropropene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Ethylbenzene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
2-Hexanone	mg/L	1 U	0.01 U	0.067 U	0.01 U	0.01 U	2.5 U
Isopropyl benzene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Methyl acetate	mg/L	1 U	0.01 U	0.067 U	0.01 U	0.01 U	2.5 U
Methyl cyclohexane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Methyl tert butyl ether (MTBE)	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	1 U	0.01 U	0.067 U	0.01 U	0.01 U	2.5 U
Methylene chloride	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Styrene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,1,2,2-Tetrachloroethane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Tetrachloroethene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Toluene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 79	MW 80	MW 81	MW 82	MW 83	MW 85	MW 85
Sample ID:	GW-102814-SM-030	GW-102414-SM-021	GW-102214-SM-005	GW-102414-SM-022	GW-102214-SM-010	GW-041614-SM-019	GW-102914-SM-035
Sample Date:	10/28/14	10/24/14	10/22/14	10/24/14	10/22/14	04/16/14	10/29/14
	(Duplicate)						
Parameters:	Units						
Volatile Organic Compounds (Continued)							
1,2,4-Trichlorobenzene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,1,1-Trichloroethane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
1,1,2-Trichloroethane	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Trichloroethene	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Trichlorofluoromethane (CFC-11)	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.1 U	0.001 U	0.0067 U	0.001 U	0.001 U	0.25 U
Vinyl chloride	mg/L	0.15	0.036	0.041	0.001 U	0.0015	0.6
Xylenes (total)	mg/L	0.2 U	0.002 U	0.013 U	0.002 U	0.002 U	0.5 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

-/- Laboratory Duplicate

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:	MW 86	MW 88	MW89-11	MW89-11
Sample ID:	GW-102214-SM-009	GW-102214-SM-008	GW-041614-SM-016	GW-102814-SM-031
Sample Date:	10/22/14	10/22/14	04/16/14	10/28/14
Parameters:	Units			
Volatile Organic Compounds				
Acetone	mg/L	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.01 U	0.01 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.00026 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.00055 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U
Isopropyl benzene	mg/L	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.001 U	0.001 U	0.001 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.01 U	0.01 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

Sample Location:		MW 86	MW 88	MW89-11	MW89-11
Sample ID:		GW-102214-SM-009	GW-102214-SM-008	GW-041614-SM-016	GW-102814-SM-031
Sample Date:		10/22/14	10/22/14	04/16/14	10/28/14
Parameters:	Units				
Volatile Organic Compounds (Continued)					
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.00068 J
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.00032 J	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.00034 J	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- - Not analyzed.

-/- Laboratory Duplicate

TABLE 7

SUMMARY OF SURFACE WATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER LING JR. BOULEVARD,
ANDERSON, INDIANA

<i>Sample Location:</i>		<i>Pond Intake</i>	<i>Pond Intake</i>	<i>Pond Intake</i>	<i>Pond Intake</i>	<i>Pond North</i>	<i>Pond North</i>	<i>Pond North</i>
<i>Sample ID:</i>		<i>SW-041614-SM-001</i>	<i>SW-071714-SM-002</i>	<i>SW-071714-SM-003</i>	<i>SW-102914-SM-001</i>	<i>SW-041614-SM-002</i>	<i>SW-071714-SM-001</i>	<i>SW-102914-SM-002</i>
<i>Sample Date:</i>		<i>04/16/14</i>	<i>07/17/14</i>	<i>07/17/14</i> (Duplicate)	<i>10/29/14</i>	<i>04/16/14</i>	<i>07/17/14</i>	<i>10/29/14</i>
<i>Parameters:</i>	<i>Units</i>							
Volatile Organic Compounds								
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.033 U	0.1 U	0.08 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.033 U	0.1 U	0.08 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.0067 U	0.02 U	0.016 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,1-Dichloroethane	mg/L	0.00095 J	0.0013	0.0013	0.0011	0.0052	0.013	0.016
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
cis-1,2-Dichloroethene	mg/L	0.018	0.029	0.027	0.022	0.11	0.25	0.31
trans-1,2-Dichloroethene	mg/L	0.00064 J	0.00073 J	0.00067 J	0.00066 J	0.0028 J	0.005 J	0.015
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.033 U	0.1 U	0.08 U
Isopropyl benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.033 U	0.1 U	0.08 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Methyl tert butyl ether (MTBE)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.033 U	0.1 U	0.08 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U

TABLE 7

SUMMARY OF SURFACE WATER ANALYTICAL DATA - VOCs
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER LING JR. BOULEVARD,
ANDERSON, INDIANA

<i>Sample Location:</i>		<i>Pond Intake</i>	<i>Pond Intake</i>	<i>Pond Intake</i>	<i>Pond Intake</i>	<i>Pond North</i>	<i>Pond North</i>	<i>Pond North</i>
<i>Sample ID:</i>		<i>SW-041614-SM-001</i>	<i>SW-071714-SM-002</i>	<i>SW-071714-SM-003</i>	<i>SW-102914-SM-001</i>	<i>SW-041614-SM-002</i>	<i>SW-071714-SM-001</i>	<i>SW-102914-SM-002</i>
<i>Sample Date:</i>		<i>04/16/14</i>	<i>07/17/14</i>	<i>07/17/14</i> <i>(Duplicate)</i>	<i>10/29/14</i>	<i>04/16/14</i>	<i>07/17/14</i>	<i>10/29/14</i>
<i>Parameters:</i>	<i>Units</i>							
<i>Volatile Organic Compounds (Continued)</i>								
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0033 U	0.01 U	0.008 U
Vinyl chloride	mg/L	0.0069	0.0049	0.0048	0.0039	0.089	0.041	0.019
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.0067 U	0.02 U	0.016 U

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

-- - Not analyzed.

TABLE 8

PRELIMINARY SCREENING FOR ANAEROBIC BIODEGRADATION PROCESSES
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

<i>Analysis</i>	<i>Concentration in Most Contaminated Zone</i>	<i>Value</i>	<i>AOC 1- South Court plume</i>	<i>Former WWTP plume</i>
Oxygen*	<0.5 mg/L	3	3	3
	>5mg/L	-3		
Nitrate*	< 1 mg/L	2	2	2
Ferrous Iron*	> 1 mg/L	3	3	3
Sulfate*	<20 mg/L	2	0	0
Sulfide*	>1mg/L	3	0	0
Methane*	<0.5 mg/L	0	0	0
	>0.5mg/L	3		
ORP*	<50 mV	1	2	2
	<-100mV	2		
pH*	5 < pH < 9	0	0	0
	5 > pH >9	-2		
TOC	> 20 mg/L	2	0	0
Temperature*	>20°C	1	0	0
Alkalinity	>2x background	1	0	0
Chloride*	>2x background	2	0	2
BTEX*	>0.1 mg/L	2	0	0
TCE*	Material released	0	0	0
	Daughter product of PCE	2		
DCE*	Material released	0	2	2
	Daughter product of TCE/TCA	2		
VC*	Material released	0	2	2
	Daughter product of DCE	2		
1,1,1-TCA*	Material released	0	0	0
DCA	Daughter product of TCA	2	2	2
Chloroethane*	Daughter product of DCA or VC	2	0	0
Ethene/Ethane	>0.01mg/L	2	2	2
	>0.1 mg/L	3		
Total Points Awarded:			18	20

Notes:

* required

Score interpretation:

Score 0 to 5 means there is inadequate evidence for anaerobic biodegradation

Score 6 to 14 means there is limited evidence for anaerobic biodegradation

Score 15 to 20 means there is adequate evidence for anaerobic biodegradation

Score > 20 means there is strong evidence for anaerobic biodegradation (U.S. EPA, 1998)

Reference:

U.S. EPA. 1998. Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water, Office of Research and Development, Washington, DC. EPA/600/R-98/128. September, 1998.

TABLE 9

TREND TEST SUMMARY
2014 ANNUAL MONITORING REPORT
2915 DR. MARTIN LUTHER KING JR. BOULEVARD,
ANDERSON, INDIANA

<i>Location</i>	<i>Plume</i>	<i>Date Range</i>	<i>Analyte</i>		
			<i>TCE</i>	<i>cis-1,2-DCE</i>	<i>Vinyl chloride</i>
MW-2	WWTP	2007 -- 2014	--	--	--
MW 3	South Court	2005 -- 2014	NT or Decreasing	NT or Decreasing	NT or Decreasing ⁽¹⁾
MW-4	WWTP	2005 -- 2014	--	Increasing	NT or Decreasing
MW 8	South Court	2005 -- 2014	NT or Decreasing	NT or Decreasing	NT or Decreasing
MW 12	South Court	2005 -- 2014	NT or Decreasing	NT or Decreasing	--
MW 14	South Court	2005 -- 2014	--	NT or Decreasing	NT or Decreasing
MW 28	WWTP	2005 -- 2014	--	--	Increasing
MW 31R	South Court	2005 -- 2014	NT or Decreasing ⁽¹⁾	NT or Decreasing	NT or Decreasing
MW 37	South Court	2005 -- 2014	--	--	--
MW 40	WWTP	2005 -- 2014	--	NT or Decreasing	NT or Decreasing
MW 41	WWTP	2005 -- 2014	--	NT or Decreasing	Increasing
MW 42	WWTP	2005 -- 2014	--	NT or Decreasing	NT or Decreasing
MW 46	WWTP	2005 -- 2014	--	--	--
MW 49	South Court	2005 -- 2014	--	Increasing	NT or Decreasing
MW 51	South Court	2008 -- 2014	NT or Decreasing	NT or Decreasing	--
MW 56	WWTP	2005 -- 2014	--	--	--
MW 57	WWTP	2005 -- 2014	--	--	--
MW 58	WWTP	2005 -- 2014	--	--	Increasing
MW 61	WWTP	2005 -- 2014	--	--	--
MW 64	WWTP	2005 -- 2014	--	--	Increasing
MW 65	WWTP	2005 -- 2014	--	NT or Decreasing	NT or Decreasing
MW 66	WWTP	2005 -- 2014	--	--	Increasing
MW 68	WWTP	2005 -- 2014	Increasing	NT or Decreasing	NT or Decreasing
MW 68	WWTP	2008 -- 2014	NT or Decreasing	NT or Decreasing	NT or Decreasing
MW 75	South Court	2005 -- 2014	--	--	--
MW 76	South Court	2005 -- 2014	--	--	--
MW 79	South Court	2005 -- 2014	--	Increasing	NT or Decreasing
MW 80	WWTP	2005 -- 2014	--	--	NT or Decreasing
MW 81	WWTP	2005 -- 2014	--	--	Increasing
MW 82	WWTP	2005 -- 2014	--	--	--
MW 83	WWTP	2005 -- 2014	--	--	--
MW 85	WWTP	2008 -- 2014	--	--	Increasing
MW 86	WWTP	2010 -- 2014	--	--	--
MW 88	WWTP	2010 -- 2014	--	--	--
MW 89-11	South Court	2011 -- 2014	--	--	--
Pond Intake	WWTP	2005 -- 2014	--	--	--
Pond North	WWTP	2005 -- 2014	--	--	--

Notes:

⁽¹⁾ Trend test was calculated using detected values only, due to elevated detection limits for non-detects.

-- Trend test not performed due to insufficient data (fewer than 4 points) or infrequent detections (i.e., fewer than 75 percent detects).

NT or Decreasing - A statistically-significant (90 percent confidence) increasing trend was not found.

Analyte concentrations may be stable or decreasing over time. (Per approved Monitoring Plan, a 1-sided test is performed).