Periodic Review Report- 2014/2015

Former Churchville Ford, Inc. Site
NYSDEC Voluntary Cleanup Program Site #V00658
Village of Churchville, Town of Riga, Monroe County, New York

Prepared for:
BLW Properties of Churchville, LLC
7520 State Route 415
Bath, New York 14810

Prepared by:

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November 2015

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Executive Summary

The former Churchville Ford Site (hereinafter referred to as the "Site"), located at 111 South Main Street in the Village of Churchville, Town of Riga, Monroe County, New York, is approximately six (6) acres. The Site is owned by BLW Properties of Churchville, LLC and has been used as a commercial auto, boat and recreational vehicle sales and service facility. An environmental investigation conducted in 2002 (in conjunction with the transfer of ownership of property) identified groundwater and subsurface soil contamination. A remedial investigation (RI) was conducted between 2004 and 2008. This PRR covers events and activities conducted at the Site from July 7, 2014 to July 7, 2015.

The investigation results indicated a source area containing trichloroethene (TCE), tetrachloroethylene (PCE), and cis-1,2-dichloroethene (cis-1,2-DCE) in groundwater beneath the southwestern portion of the building at levels exceeding New York State Department of Environmental Conservation (NYSDEC) Part 703.5 Groundwater Standards and NYSDEC Guidance applicable groundwater standards (Technical and Operational Guidance Series ((TOGS)1.1.1). This area was formerly used for solvent and waste oil storage. Remedial action was recommended to address the chlorinated solvents detected in groundwater at concentration levels exceeding applicable guidance criteria.

The Site was remediated in accordance with and subject to Voluntary Cleanup Agreement (VCA) # B8-0640-03-09, Site # V00658-8 which was executed on September 29, 2003 and amended on April 9, 2009. The VCA was initiated by former owners Joseph Ognibene and Antonio Gabriele. Remedial activities occurred from May 2009 to January 2010 and were conducted in accordance with the Site Remedial Action Work Plan (RAWP) dated December 2008 and a minor modification dated September 4, 2009. In-situ chemical oxidation (ISCO) using injected sodium permanganate (NaMnO4) was started in June 2009 and completed in January 2010. NaMnO4 was injected into the soil and groundwater underlying the southwestern portion of the building. In reference to NYSDEC letters dated September 17, 2014 and January 20, 2015, a Remedial Optimization Work Plan (ROWP) deferral for additional chemical oxidation injection was issued by the NYSDEC due to on-site redevelopment activities. A ROMP will be developed following the completion of redevelopment activities.

Additional soil vapor intrusion (SVI) sampling was conducted beneath the workshop floor slab after the NaMnO4 injection was completed to determine if vapor intrusion mitigation or long-term monitoring measures were necessary. As detailed in the Site Management Plan (SMP), a Sub-Slab Depressurization System (SSDS) was installed in June 2011 in the western portion of the building (workshop).

The effectiveness of the remedial program as outlined in the SMP has been monitored through SVI and groundwater sampling. Post-remedial SVI and groundwater sampling results indicate that contamination persists in saturated soils and groundwater in the source area. Groundwater samples collected during this reporting period (July 7, 2014 to July 7, 2015)

showed concentrations of chlorinated volatile organic compounds (CVOCs) exceeding applicable groundwater standards. New building construction is slated to begin in late 2015 in compliance with the approved SMP and applicable New York State guidance requirements.

In general, the implemented remedies to manage the residual contamination are effective, protective, and are progressing towards the remedial action objectives. The Institutional and Engineering Controls (ICs and ECs) and procedures outlined in the Monitoring Plan and Operation and Maintenance Plan were complied with during this reporting period.

1.0 Periodic Review Report

This Periodic Review Report (PRR) was prepared by Lu Engineers, on behalf of BLW Properties of Churchville, LLC, in accordance with the requirements set forth in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May, 2010 and the guidelines provided by the NYSDEC. The first PRR was required eighteen (18) months after the issuance of the Release and Covenant. The reporting period for this PRR is from July 7, 2014 to July 7, 2015. The following items are included in this PRR:

- Identification, assessment, and certification of each EC/IC required by the remedy for the Site.
- Results of the Site inspection and sampling events including applicable inspection forms and other records generated for the Site during the reporting period.
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions.
- Data summary tables of groundwater and surface water contaminants of concern by media. These include a presentation of past VOC and metal data as part of an evaluation of contaminant concentration trends.
- Laboratory analysis results, and the required laboratory data deliverables for each sample collected during the reporting period have been and will continue to be submitted electronically in a NYSDEC-approved EQuIS format.
- A Site evaluation, which includes the following:
    I. The compliance of the remedy with the requirements of the Site-specific Record of Decision (ROD);
    II. The operation and the effectiveness of each treatment unit, including identification of any needed repairs or modifications;
    III. Any new conclusions or observations regarding Site contamination based on inspection or lab data generated during the monitoring events;
    IV. Recommendations regarding any necessary changes to the remedy and/or SMP; and

V. The overall performance and effectiveness of the remedy to date.

2.0 Site Overview

The former Churchville Ford Site, located at 111 South Main Street in the Village of Churchville, Town of Riga, Monroe County, New York, consists of approximately 6 acres and has been used as a commercial auto, boat and recreational vehicle sales and service facility in recent years (Figure 1). The Site is located north of Interstate Route 490 and Sanford Road. The topography of the Site is relatively flat; however, the elevation drops abruptly towards Sanford Rd. to the south and gently to the property in the west.

The Site is surrounded by residential and commercial land to the north, South Main Street and residential housing to the east, Sanford Road and Interstate Route 490 to the south and a commercial Camping World Recreational Vehicle sales facility to the west. The majority of the Site is covered with asphalt pavement and the Site sales/service building.

Contamination was found at the Site in 2002 during an environmental investigation conducted in conjunction with a property transfer. A Remedial Investigation (RI) was conducted between 2004 and 2008. Subsurface soil analytical results did not indicate VOCs, SVOCs, or metals above the Restricted Commercial Use Guidance Values (6 New York Codes, Rules, and Regulations (NYCRR) Part 375-6) therefore soil remediation was not required. CVOCs were detected in groundwater beneath the southwestern portion of the building at levels exceeding 6 NYCRR Part 703 Class GA drinking water standards. This area was formerly used for solvent and waste oil storage. The contamination appears to be limited to beneath the southwest portion of the Site building (workshop area) and west of the western wall of the building. Based on the findings of the RI, remedial action was recommended to address chlorinated solvents detected in groundwater at levels exceeding applicable guidance criteria.

Remedial activities were completed at the Site between May 2009 and January 2010. The remedial measure utilized was In-Situ Chemical Oxidation (ISCO) using sodium permanganate (NaMnO4). NaMnO4 was injected into groundwater where CVOC concentrations exceeded 5 parts per billion (ppb) and 2 ppb for vinyl chloride. When this chemical oxidant comes into contact with organic compounds such as TCE, PCE, and associated breakdown products, a reaction occurs oxidizing the organic contaminants to relatively benign compounds, such as carbon dioxide (CO^2) and water (H_2O). NaMnO4 was injected using a Geoprobe, Inc. GS2000 cart-mounted injection system and was administered through a series of injection wells (primarily 4 to 11.5 feet with a maximum depth of 20 feet) to treat saturated soils as well as groundwater.

Soil vapor intrusion (SVI) sampling was conducted after the NaMnO4 injection was completed to determine if additional vapor intrusion mitigation or long-term indoor air monitoring measures were needed. Based on the results and as described in the SMP, a SSDS was installed

in June 2011 in the western portion of the building. The presence of the SSDS precludes the need for monitoring of indoor air.

The SMP requires an Institutional Control (IC) in the form a Deed Restriction (DR) which requires a) limiting the use and development of the property to commercial use, which also permits industrial use; b) compliance with the approved SMP; c) restriction on the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH); and d) the property owner to complete and submit an annual certification of Institutional and Engineering Controls (ICs/ECs).

Long term management of remaining contamination, as required by the DR, includes the following plans for ECs; 1) Monitoring; 2) Operation and maintenance; and 3) Reporting. The specific ECs implemented at the Site include: a) semi-annual groundwater sampling of monitoring wells MW-3, MW-6, MW-13 and MW-JCL-02 for VOCs, iron and manganese; b) management and inspection of the existing soil cover system (the cap); c) inspection and maintenance (if required) of the existing retaining wall; and d) operation, maintenance and inspection of the SSDS.

3.0 Remedy Performance, Effectiveness, and Protectiveness

The last remedial ISCO injection occurred on January 15, 2010 by Lu Engineers. Post-remedial groundwater and SVI sampling indicate that groundwater and soil vapor contamination remains in the source area. Ten (10) post-remedial groundwater sampling events and one (1) SVI sampling event have been conducted at the Site since the completion of the ISCO program. All eleven (11) events were conducted in accordance with and as outlined in the RAWP and SMP. The following is a list of all post-remedial sampling events:

- February and August 2010 (per RAWP)
- December 2011 (per SMP)
- June and November 2012 (per SMP)
- June and November 2013 (per SMP)
- June 2014 (per SMP)
- November 2014 (per SMP)
- June 2015 (per SMP)

Tables 1 and 2, included as an attachment to this report, indicate bi-annual VOC sample concentrations since June 2012 following implementation of the remedies described in the SMP. Table 1 shows detected VOC concentrations in groundwater samples compared to the applicable NYSDEC 6 NYCRR Part 703.5 Class GA and TOGs 1.1.1 groundwater standards. Table 2 shows detected concentrations of iron and manganese, known indicators of natural attenuation, in comparison to applicable groundwater standards. Both tables include a trend analysis graph of contaminant concentration in groundwater since June 2012.

Following a significant decrease in CVOC concentrations observed in the post-remedial 2010 groundwater sampling events, CVOC concentrations increased in 2011 and 2012, exceeding applicable groundwater standards in each well tested except MW-13 where no VOCs have been detected since June 2012.

As indicated in the 2012 Annual Report, wells MW-03, MW-JCL-02 and MW-06 all revealed CVOC detections exceeding NYSDEC Part 703.5 ground water standards in 2012. Sample results indicated an increase in PCE concentrations in source area wells MW-3, MW-JCL-02 and MW-6 over the December 2011 results. TCE and cis-1,2-dichloroethene concentrations dropped in MW-03 but increased in MW-JCL-02 compared to December 2011 results. CVOC concentrations declined in June 2012. No VOCs were detected in well MW-13 during either sampling event.

Iron (Fe) and manganese (Mn) levels varied between December 2011 and June 2012, generally dropping during that time period. Fe and Mn exceeded applicable groundwater standards in both 2012 sampling events for all wells except MW-03, which was below standards for both metals in June 2012. Due to the relatively low permeability of Site soils and previous remedial injection of NaMnO4 at the Site, it is anticipated that Fe and Mn concentrations may continue to fluctuate due to oxidation.

Source area samples collected from MW-03, MW-06, and MW-JCL-02 continue to exceed applicable groundwater standards through the most recent sampling event conducted in June 2015.

The ICs established for the Site have been and continue to be in compliance with the SMP. Though residual contamination exists in the subsurface soils and groundwater in the Site source area, these controls reduce the potential for human exposure. The ECs established for the Site are also effective in limiting the potential for human exposure to known Site contaminants.

4.0 Institutional Controls/Engineering Control Plan Compliance

Since remaining contaminated soil, groundwater, and soil vapor exists beneath the Site, ICs/ECs are required to protect public health and the environment. The IC/EC Plan is one component of the SMP and is subject to revision by NYSDEC.

Institutional Controls (ICs)

A series of ICs are required by the SMP to: (1) implement, maintain and monitor EC systems; (2) prevent exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to commercial and industrial uses only. Adherence to these ICs on the Site is required by the DR and implemented under the SMP.

- Land Use Restriction – Site property use is limited to Commercial and Industrial uses only; the Site is currently used as a commercial recreational vehicle sales and service facility and has met the requirements of this restriction throughout this reporting period.

- Groundwater Use Restriction – Use of groundwater as a potable or process water source is prohibited; the Site is currently connected to a supplied potable water source from the Village of Churchville and does not use the Site groundwater.

- Site Management Plan (SMP) – Compliance with the SMP is required, including required periodic certifications; the Site was in compliance with all components of the Site-specific SMP throughout this reporting period.

Additional Site restrictions that apply to the Controlled Property are:

- The property may not be used for a higher level of use, without additional remediation and amendment of the DR, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- The potential for vapor intrusion must be evaluated for any buildings developed on the Site, any potential impacts that are identified must be monitored or mitigated;
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;
- NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Institutional Controls identified in the DR may not be discontinued without an amendment to or extinguishment of the DR.

Engineering Controls (ECs)

- Soil Cover System (Cap) – Exposure to remaining contamination in subsurface soil/fill, groundwater and soil vapor at the Site is prevented by a soil cover system placed over the Site (the “Cap”). This cover system consists of asphalt pavement, concrete-covered sidewalks, and concrete building slabs. Procedures for maintaining the Cap are documented in the Operation and Maintenance Plan in Section 4 of the SMP.

The Excavation Work Plan (EWP) in Appendix A of the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection, maintenance and monitoring of this cover are provided in the Monitoring Plan included in Section 3 of the SMP.

The Cap was in good condition during this reporting period as indicated on the Site Inspection Form (Attachment A). The asphalt cover surrounding the building revealed some minor cracking and potholes along the north side of the Site building, and some minor cracking along the west end of the building near the source area. The concrete floor in the workshop area of the building was and continues to be in very good condition. It is epoxy coated throughout the workshop, has revealed no evidence of significant cracking and is unchanged since inspection began in 2012.

In October 2013, improvements were made to the Site Cap (EC). Per the provisions outlined in the SMP, the NYSDEC was notified of the planned improvement. The former cap was milled and repaved with new asphalt, including in the contaminant source area immediately west of the Site building. Approximately 2/3 of the Site was repaved (central and eastern portions) as illustrated on Figure 3 and Figure 4. No soil was disturbed as part of the re-surfacing process, therefore no monitoring was required per the Excavation Work Plan (EWP) in the SMP. The cap replacement was completed in October 2013 and continued to function as new as of June 2015. No cracking or holes have been observed in the asphalt since it was replaced. It is noted that as a component of the cap replacement, TREC Environmental was contracted to install new flushmount protective boxes around all wells located within the repaving area. This included wells MW-03, MW-13, MW-JCL-02, and MW-JCL-03. The elevations of the solid PVC well risers at each well did not change during the protective box replacements. Photographs of the new asphalt surface and well completions are included as Attachment E of this report.

- SSDS – Exposure to remaining contamination in soil vapor beneath the building is prevented by a SSDS installed beneath the western portion of the shop area of the building. The SSDS was installed in June 2011 in accordance with the NYSDEC-approved May 2011 Sub-Slab Depressurization System Design prepared by Lu Engineers and the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006). The SSDS was installed by Mitigation Tech, a national Environmental Health Association (NEHA) certified mitigation contractor. The Procedures for the inspection and maintenance of this SSDS are provided in the Monitoring Plan included in Section 3 of the SMP.

  Procedures for maintaining the SSDS are documented in the Operation and Maintenance Plan (Section 4 of the SMP). Procedures for monitoring the system are included in the Monitoring Plan (Section 3 of the SMP). The Monitoring Plan also addresses severe condition inspections in the event that a severe condition, which may

affect controls at the Site, occurs. The active SSDS will not be discontinued unless prior written approval is granted by the NYSDEC.

As indicated on the Site Inspection Forms included as Attachment A of this report, the SSDS has properly operated during this reporting period. No changes have been observed with the system or its performance since it was installed. During each Site monitoring/inspection visit, both fans were generating the same amount of vacuum as the day they were installed. The Bay 3 fan continuously draws 0.8" of water column (WC) and the Bay 5 fan continuously draws 0.5" WC. All system piping is in very good condition and is properly labeled. No air returns exist in proximity to the system exhaust on the building roof. No deficiencies have been observed with the SSDS and no changes are recommended.

The required IC/EC certification has been completed as a component of this report and a copy is included as Attachment D.

5.0 Monitoring Plan Compliance Report

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site, the soil cover system, and all affected Site media identified in the table below.

Monitoring/Inspection Schedule

Monitoring Program	Frequency*	Matrix	Analysis
1	Bi-annually (seasonal high and low groundwater)	Groundwater	EPA Method 8260 EPA Method 6010 Manganese and Iron
2	Annually	SSDS	N/A
3	Bi-annually	Soil Cover	N/A

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

Monitoring activities completed during this reporting period (July 7, 2014-July 7, 2015) included the following:

- Bi-annual groundwater sampling of Site wells MW-03, MW-JCL-02, MW-06, and MW-13
- Bi-annual inspection of Site building SSDS (even though only required annually)
- Bi-annual inspection of the Site soil cover system, including the asphalt surrounding the building (and source area) and concrete building floor (primarily in workshop area)

Groundwater Sampling

The following table summarizes the details of the groundwater sampling program to be completed during each bi-annual sampling event.

Media Sampling and Analysis Summary

Sample Type	Sample Location	Analytical Parameters	Frequency	QA/QC	Total
Groundwater	MW-03, 06, 13, MW-JCL-02	EPA 8260 EPA 6010 Manganese and Iron	Semi-annual (twice each year during seasonal high and low groundwater)	Trip Blank (1)	5

The previously-mentioned Site wells were sampled bi-annually with dedicated bailers per the procedures outlined in the SMP. Each well was purged a minimum of three (3) well volumes prior to sampling. Groundwater quality measurements including temperature, turbidity, pH, conductivity and oxidation reduction potential (ORP) were collected during the purging process at each well. Purge water from each well was containerized in steel 55-gallon drums. At each well, samples were collected for TCL VOCs (EPA Method 8260B), iron and manganese (EPA Method 6010C). Groundwater sampling logs are included as Attachment B of this report.

Results of the groundwater sampling conducted during this period are summarized in Tables 1 and 2 and on Figures 2, 3, and 4. Table 1 presents the analytical results of VOCs detected in groundwater from June 2012 through June 2015 in comparison to applicable standards. Table 2 presents the analytical results of iron and manganese (natural attenuation indicators) from June 2012 through June 2015. Both tables include a trend analysis graph of the analytical data. Figure 2 illustrates the detected VOCs concentrations in groundwater that exceed applicable standards for June 2014. Figure 3 illustrates the detected VOCs and associated concentrations in groundwater that exceed applicable standards for November 2014. Figure 4 illustrates the detected VOCs and associated concentrations in groundwater that exceed applicable standards for June 2015. Each figure also illustrates groundwater contours based on water level measurements collected at each well during each sampling event. It is noted that groundwater generally flows south and west across the Site, primarily following topography.

The following sections summarize the analytical results for each year within this reporting period.

2014

From June 2014 to November 2014, CVOC concentrations fluctuated and continued to exceed applicable groundwater standards in all monitoring wells. There was a general decline in concentration levels of PCE, TCE, and cis-1,2-DCE in MW-03 and MW-JCL-02. In MW-06, the PCE concentration level increased and dichlorodifluoromethane was detected for the first time since the June 2012 sampling event. Iron and manganese concentrations increased in MW-03 and MW-06 and decreased in MW-JCL-02. Concentration levels of these metals exceeded groundwater standards except for iron in MW-JCL-02.

2015

CVOC concentrations continued to fluctuate between July 2014 and July 2015. In MW-03, PCE and cis-1,2-DCE concentrations decreased and TCE slightly increased. Dichlorodifluoromethane concentration increased and PCE concentrations decreased in MW-06. Chloroform and TCE were also detected for the first time in MW-06 since semi-annual groundwater monitoring began in 2012. MW-JCL-02 had increases in cis-1,2-DCE, TCE, and PCE. Dichlorodifluoromethane was detected for the first time since the June 2012 sampling event in MW-JCL-02 as well. Consistent with previous years, no VOCs were detected in MW-13. All four (4) wells had increased concentrations of iron and manganese with the exception of a slight decrease in manganese in MW-13. All concentrations of iron and manganese exceeded NYS groundwater standards for this period.

In this reporting period, concentrations of CVOCs in the source area exceeded applicable groundwater standards. All laboratory analytical data is included as Attachment C of this report. Samples were analyzed at Paradigm Environmental Services, Inc., a NYSDOH ELAP-CLP certified laboratory (ELAP) located in Rochester, New York. All sampling methods and QA/QC measures were adhered to as outlined in the approved SMP.

6.0 Operation and Maintenance Plan Compliance Report

ECs in place at the Site are the building floor slab, sidewalks and asphalt pavement, collectively referred to as the “Cap” or soil cover system, the retaining wall, and a SSDS installed in the westernmost portion of the Site building (workshop area). Operation and maintenance is limited to periodic inspection of the Cap and SSDS, which are documented using the Site Inspection Form. Copies of the Site Inspection Form are included as Attachment A in this report. The Operation and Maintenance Plan located in the SMP describes the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the Site. Descriptions of the Cap and SSDS inspections and conditions are provided in Section 4.0 of this report.

7.0 Conclusions and Recommendations

IC/EC Compliance

The requirements and regulations set forth in the SMP for ICs were complied with during this reporting period. This includes the following:

Landuse Restriction – The Site is currently used as a commercial recreational vehicle sales and service facility and has met the requirements of this restriction in this reporting period.

Groundwater Use Restriction – The Site is currently connected to a supplied potable water source and does not use the Site groundwater in any capacity, therefore meeting the requirements of this restriction in this reporting period.

Site Management Plan (SMP) – The Site is currently in compliance with all components of the Site-specific SMP and all requirements have been met during this reporting period.

The requirements set forth in the SMP for all ECs were met during this reporting period. This includes the following:

Soil Cover System (Cap) – The Site Cap, was in compliance with the SMP during this reporting period. Following asphalt replacement per the provisions outlined in the SMP in 2013, the Cap met and continues to meet the necessary compliance requirements. All requirements have been met during this reporting period.

Retaining Wall – The Site is currently in compliance with all components of the Site-specific SMP and all requirements have been met during this reporting period.
SSDS – The SSDS has operated as normal during this reporting period. No changes have been observed with the system or its performance since it was installed in 2011. All requirements have been met during this reporting period.

Based on post-remedial groundwater and SVI sampling conducted to date, remaining groundwater and soil vapor contamination persists in the source area. Groundwater CVOC concentrations continue to fluctuate. However, it does not appear that residual contamination is migrating on Site. The previously discussed Site-specific ICs and ECs for the Site continue to meet the remedial objectives while establishing protection of public health and the environment. The continued effectiveness of the ICs/ECs have allowed the remedial objectives at the Site to be met for this reporting period.

It is recommended that the next PRR be submitted approximately one year from submittal of this PRR. Lu Engineers also recommends that the Department considers discontinuing the bi-annual monitoring of monitoring well MW-13 due to seven consecutive rounds of sampling resulting in no VOC detections.

Figures

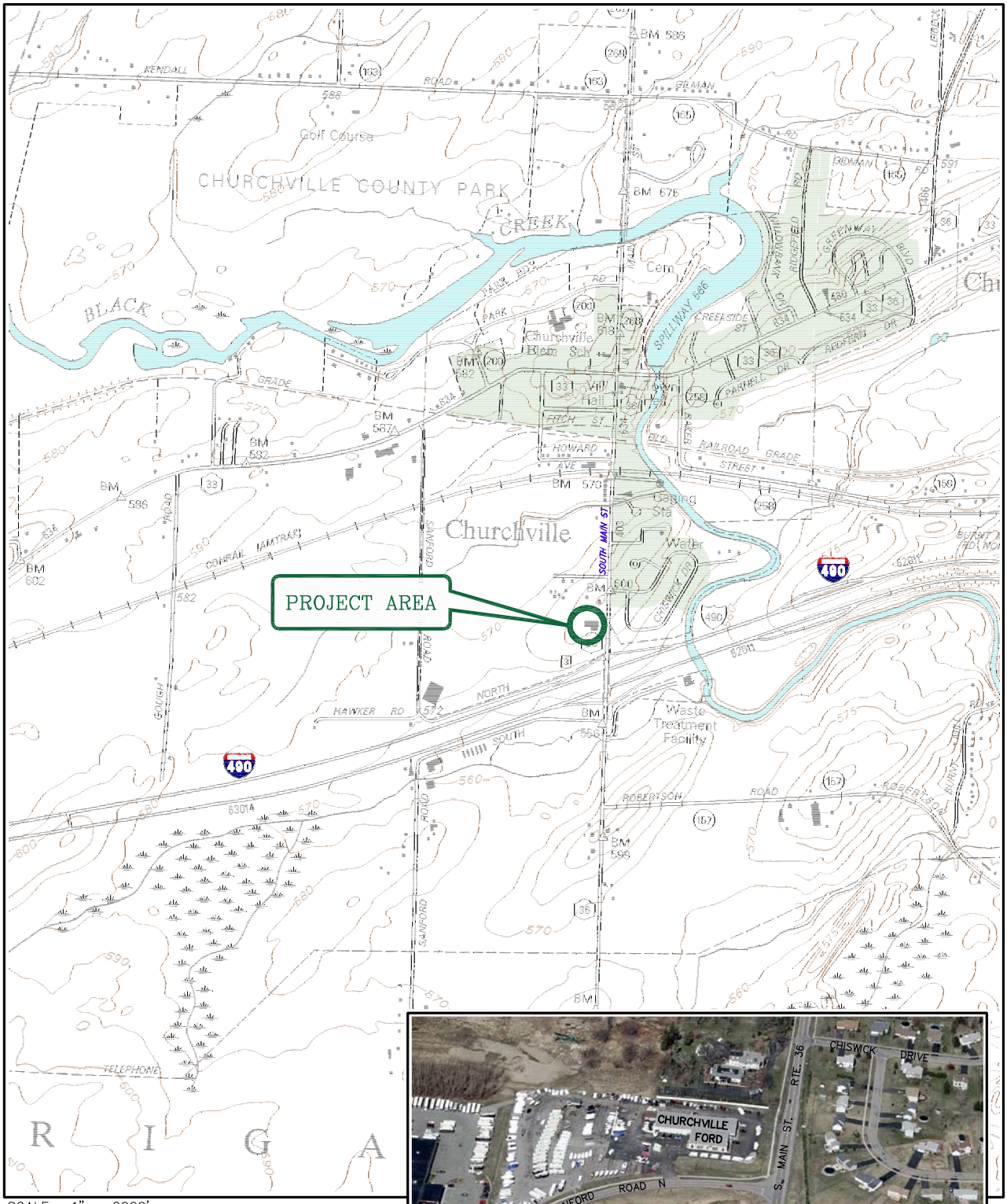

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FIGURE 1.
SITE LOCATION MAP

BONARIGO & McCUTCHEON, PLLC
FORMER CHURCHVILLE FORD
SITE MANAGEMENT PLAN

DATE:	MARCH 2010
SCALE:	1:24,000
DRAWN BY:	DLS

MAP SOURCE: NYS DOT RASTER QUADRANGLE, CHURCHVILLE & CLIFTON / NEW YORK, MONROE COUNTY DOT EDITION DATE: 1997 / USGS CONTOUR DATA: 1950

MW-06:
Tetrachloroethene: 9.01

MW-JCL-03
(589.21 ft)

MW-22
(584.26 ft)

584.5
585.0
585.5
589.0
588.5
588.0
587.5
587.0
586.5
586.0
585.5
585.0
584.5
584.0
583.5
583.0

MW-06
(588.36 ft)

MW-03 (588.05 ft)

MW-JCL-02 (586.48 ft)

MW-01

MW-13 (588.96 ft)

MW-JCL-01
(581.32 ft)

MW-03:
Iron: 789
Manganese: 3,150
Tetrachloroethene: 7,530
Trichloroethene: 6,930
cis-1,2-Dichloroethene: 6,150

MW-JCL-02:
Iron: 4,630
Manganese: 2,190
Tetrachloroethene: 1,910
Trichloroethene: 2,770
cis-1,2-Dichloroethene: 3,030

MW-13:
Iron:1,390
Manganese: 574

Legend

- Monitoring Well - Not Sampled
- Monitoring Well - Sampled
- GWcontourNov14
- Groundwater Flow Direction
- Groundwater Contour June 2014

Analytical results displayed in ug/L exceed
6 NYCRR Part703.5 Groundwater Standards

1 inch = 40 feet

0 20 40 60 80 100 Feet

N

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geograph
swisstopo, and the GIS User Community

DATE: JULY 2014
PROJECT NO: 50185-02
DRAWN/CHECKED: ED/SMK
DATA SOURCE: ESRI BASEMAP

FIGURE 2
GROUNDWATER CONTOURS AND ANALYTICAL RESULTS JUNE 2014
WILKINS RV, INC.
RIGA, NY

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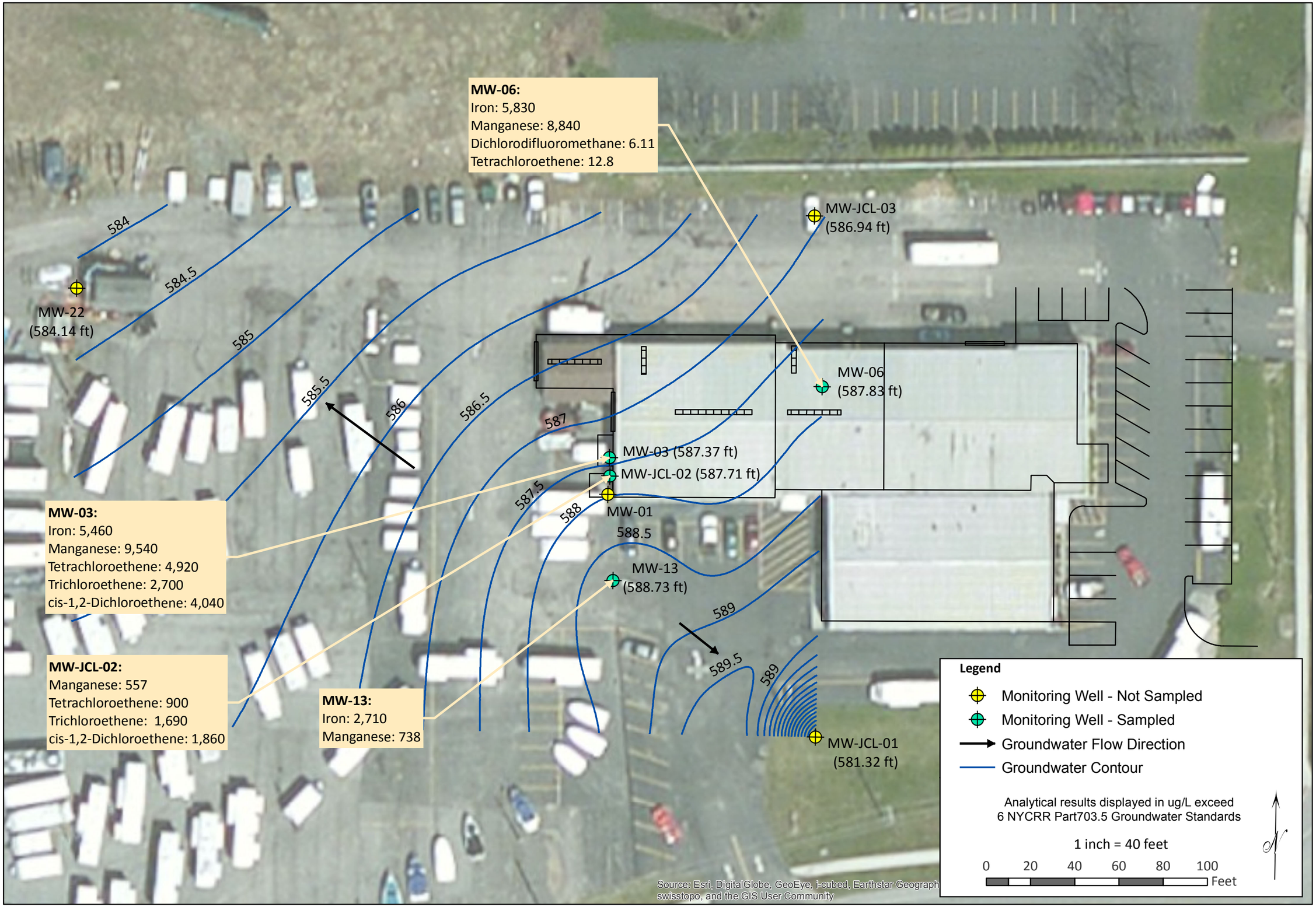

DATE: SEPTEMBER 2015
PROJECT NO: 50185-02
DRAWN/CHECKED: CB/AC
DATA SOURCE: ESRI BASEMAP

FIGURE 3
GROUNDWATER CONTOURS AND ANALYTICAL RESULTS NOVEMBER 2014
WILKINS RV, INC.
RIGA, NY

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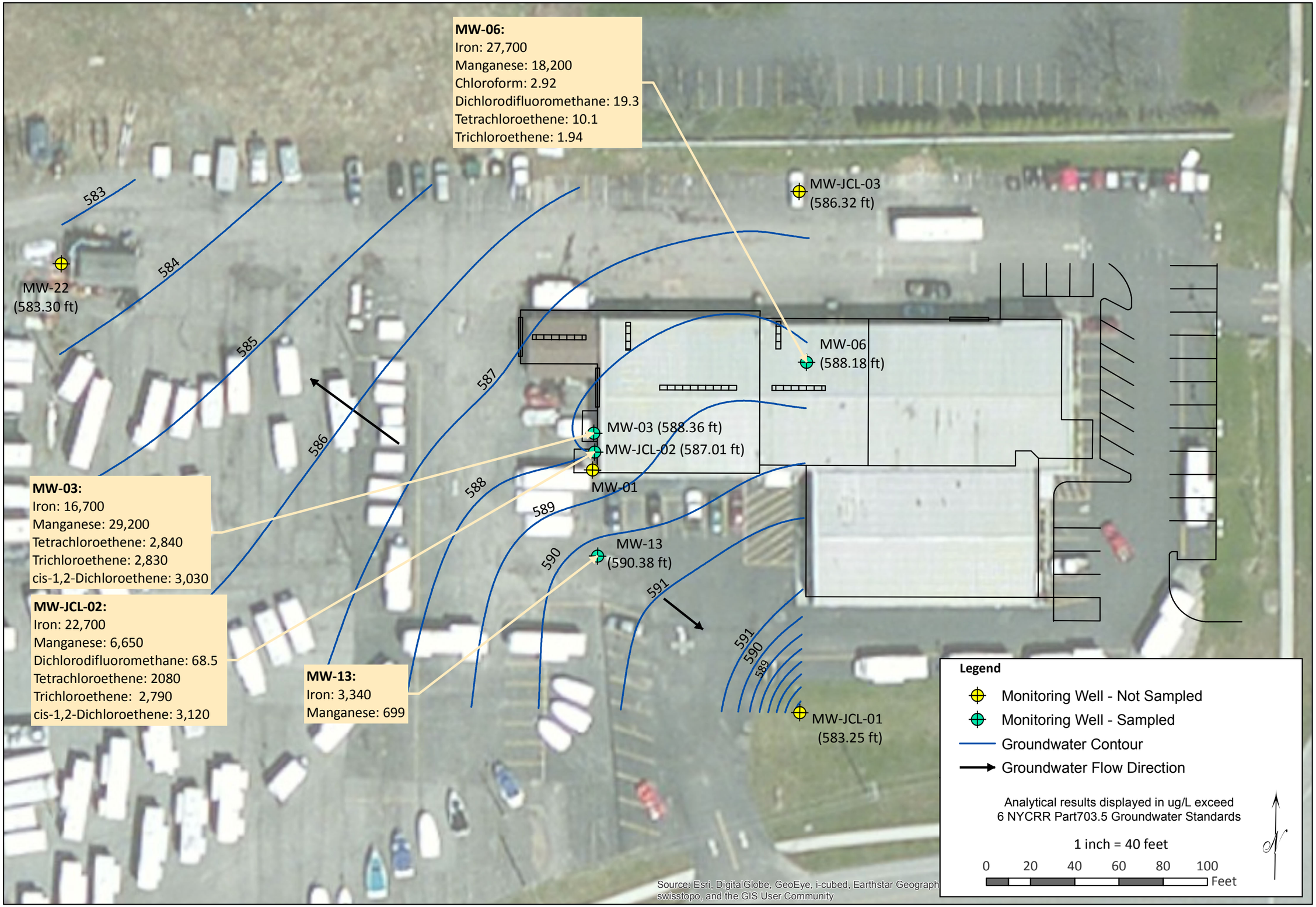

DATE: SEPTEMBER 2015
PROJECT NO: 50185-02
DRAWN/CHECKED: CB/AC
DATA SOURCE: ESRI BASEMAP

FIGURE 4
GROUNDWATER CONTOURS AND ANALYTICAL RESULTS JUNE 2015
WILKINS RV, INC.
RIGA, NY

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Tables

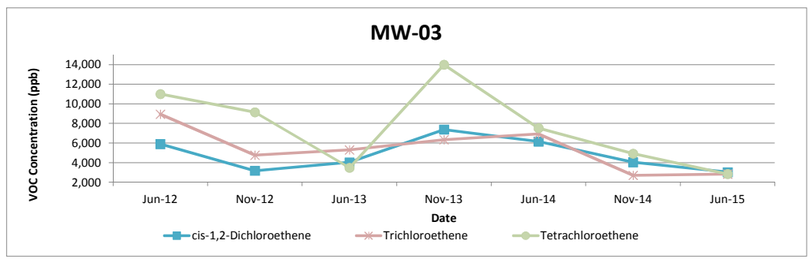
Former Churchville Ford Site (#V00658-8)
Village of Churchville
Town of Riga

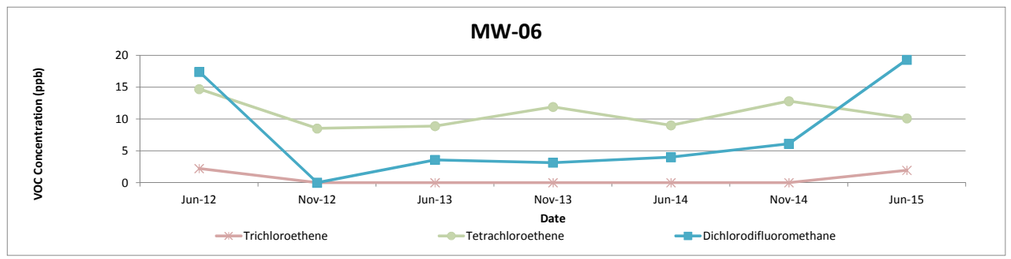
Table 1 Groundwater Results - VOCs

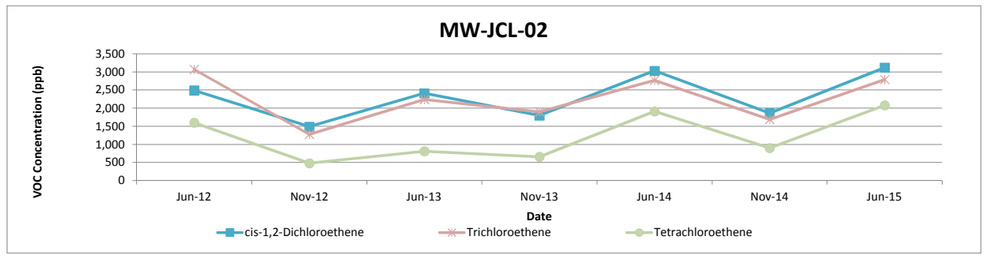
Detected Parameters[1]	NYS Groundwater Standard[2]	MW-03							MW-06							MW-13							MW-JCL-02						
		Post Remediation							Post-Remediation							Post-Remediation							Post- Remediation						
		Jun-12	Nov-12	Jun-13	Nov-13	Jun-14	Nov-14	Jun-15	Jun-12	Nov-12	Jun-13	Nov-13	Jun-14	Nov-14	Jun-15	Jun-12	Nov-12	Jun-13	Nov-13	Jun-14	Nov-14	Jun-15	Jun-12	Nov-12	Jun-13	Nov-13	Jun-14	Nov-14	Jun-15
Acetone	50*	ND	ND	2270	1,200 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	314	626 B	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	995 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	118 J	ND	ND	ND	ND	ND
Methyl Ethyl Ketone (2-butanone)	50*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND	17.4	1.75 J	3.59	3.15	4.01	6.11	19.3	ND	ND	ND	ND	ND	ND	ND	90 J	ND	ND	ND	ND	ND	68.5 J
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-Tert-Butyl Ether (MTBE)	10*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	11,000	9,140	3480	14,000	7,530	4,920	2,840	14.7	8.51	8.89	11.9	9.01	12.8	10.1	ND	ND	ND	ND	ND	ND	ND	1,600	480	812	659	1,910	900	2,080
Trichloroethene	5	8,940	4,760	5300	6,340	6,930	2,700	2,830	2.22	1.92 J	1.5 J	1.78 J	1.47 J	ND	1.94	ND	ND	ND	ND	ND	ND	ND	3,070	1,280	2240	1,900	2,770	1,690	2,790
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	5,900	3,170	4030	7,380	6,150	4,040	3,030	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,490	1,490	2410	1,800	3,030	1,860	3,120

~ parameter detected above NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

J - value is estimated
ND - Not detected above reporting limit
1 - Results presentend in ug/L or parts per billion (ppb)
2 - NYS Ambient Groundwater Standards (6 NYCRR Part 703.5)
* - NYSDEC Guidance Value (TOGS 1.1.1)







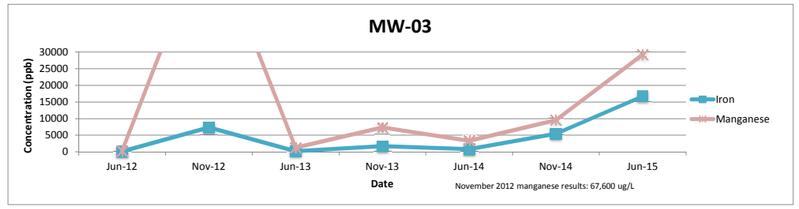
Former Churchville Ford Site (#V00658-8)
Village of Churchville
Town of Riga

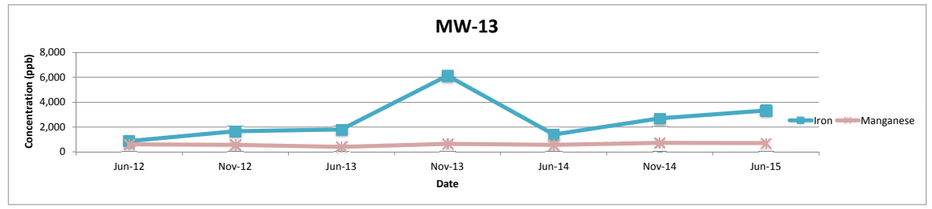
Table 2 Groundwater Results - Inorganics

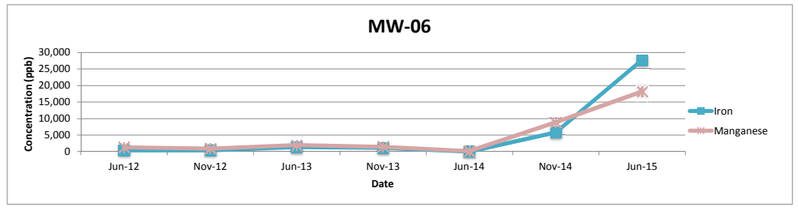
Analytical Parameters[1]	Groundwater Standard[2]	MW-03							MW-06							MW-13							MW-JCL-02						
		Post-Remediation							Post-Remediation							Post-Remediation							Post-Remediation						
		Jun-12	Nov-12	Jun-13	Nov-13	Jun-14	Nov-14	Jun-15	Jun-12	Nov-12	Jun-13	Nov-13	Jun-14	Nov-14	Jun-15	Jun-12	Nov-12	Jun-13	Nov-13	Jun-14	Nov-14	Jun-15	Jun-12	Nov-12	Jun-13	Nov-13	Jun-14	Nov-14	Jun-15
Iron	**300****	134	**7,370**	229	**1,740**	**789**	**5,460**	**16,700**	**360**	**378**	**1,340**	**1,110**	102 D	**5,830**	**27,700**	**875**	**1,670**	**1,800**	**6,130**	**1,390**	**2,710**	**3,340**	**5,250**	**611**	**6140**	**10,600**	**4,630**	195	**22,700**
Manganese	**300****	293	**67,600**	**1,250**	**7,350**	**3,350**	**9,540**	**29,200**	**1,290**	**920**	**1,940**	**1,470**	160	**8,840**	**18,200**	**606**	**576**	**411**	**655**	**574**	**738**	**699**	**2,260**	**1,290**	**1580**	**2,710**	**2,190**	**557**	**6,650**

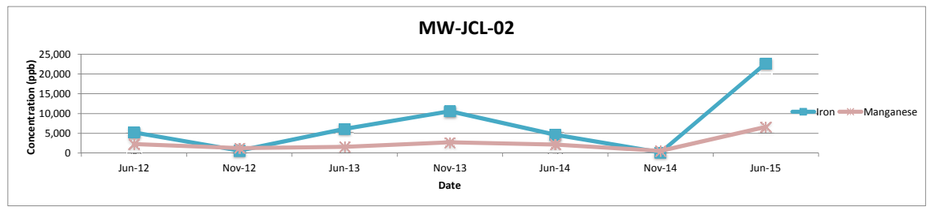
~ parameter detected above NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presentend in ug/L (parts per billion)
2 - NYS Ambient Groundwater Standards (6 NYCRR Part 703.5)
** - Sum total concentration of Iron and Manganese standard is 500 ug/L per NYSDEC Part 703.5 Class GA groundwater standards









A - Site Inspection Forms

SITE-WIDE INSPECTION FORM
FORMER CHURCHVILLE FORD VCP SITE

Date: 6/24/15

Name: Casey Bok

Company: Lu Engineers

Position of person(s) conducting maintenance/inspection activities: GIS/Environmental Tech

Document the following information during each biannual site visit for groundwater sampling:

1. Compliance with all ECs/ICs, including site usage

   Yes, all appear to be in compliance

2. An evaluation of the condition and continued effectiveness of the Site Cap and SSDS

   Cap is in great condition with no damage. No cracks or potholes in area. Building floor slabs also in great condition

3. General site conditions at the time of the inspection

   Site is kept in great condition. Hazardous materials are stored Properly

4. The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection

   Site activities involve sampling of monitoring wells 2, 3, 6, 13. for Fe/Mn analysis, inspection of cap & building slabs, and inspection of SSDs

5. Compliance with permits and schedules included in the Operation and Maintenance Plan

   Yes

6. Confirm that site records are up to date

   Yes

7. Conduct a visual inspection of the complete SSDS (i.e., vent fan, piping, warning device, labeling on systems, etc.).

   Both fans ~~of~~ are functioning as normal & generating sufficient Sub-Slab Vacuum.

8. Conduct an inspection of all surfaces to which vacuum is applied.
Concrete workshop floor is in great condition

9. Inspect all components for condition and proper operation. Are both fans operational?
Both fans are working & meter is functioning as it should

10. Inspect the exhaust or discharge point to verify that no air intakes have been located nearby.
None

11. Identify and repair any leaks in accordance with Sections 4.3.1(a) and 4.3.4(a) of the NYSDOH Guidance (i.e.; with the systems running, smoke tubes will used to check for leaks through concrete cracks, floor joints and at the suction points and any leaks will be resealed until smoke is no longer observed flowing through the opening).
No leaks detected

12. Interview an appropriate occupant seeking comments and observations regarding the operation of the System.
System has been working great since install.

Any Questions or Service needed to the SSDS call MITIGATION TECH at 1-800-637-9228

End of Inspection Form

B - Groundwater Sampling Logs

Groundwater Sampling
Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Wilkins RV – SMP Sampling
Location ID MW-JCL-2
Activity Time 11:00
Field Sample ID MW-JCL-02_11-24-14
Sample Time 12:15
Job # 50185-02
Sampling Event # 06
Date 11/24/14

SAMPLING NOTES

Initial Depth to Water 3.80 feet
Final Depth to Water 35.41 feet
Screen Length 10 feet
Total Volume Purged 10.3 gallons
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

Measurement Point TOR
Well Depth 35.75 feet
Pump Intake Depth NA
PID Well Head NA

Well Diameter 2"
Well Integrity:
Cap good
Casing good
Locked yes
Collar good

PURGE DATA

TDS

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	~~Dissolved O2 (mg/L)~~	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
11:20	13.2	NA	15.9	7.55	670.6	8.18	0.964	-52	evacuated 1 gal
	29.2	↓	14.0	7.72	756	63	1.078	-96	evac. 5 gal
	35.32	↓	13.8	7.85	744	102	1.067	-146	evac. 10 gal

Purge Observations: generally low-turbidity, no sheen, no odor other than sulfur
Purge Water Containerized: yes – 55 gal drum

EQUIPMENT DOCUMENTATION

Type of Pump: NA – sample by bailer
Type of Tubing: NA
Type of Water Quality Meter: Myron 6P, LaMotte 2020
Calibrated: _____

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	yes
Fe, Mn	1 x 250 ml	yes

LOCATION NOTES

1 well volume = 5.2 gal 3 vols = 15.6 gal
well purged dry after evacuating 10½ gal

Signature: Eric Detlefsen
Checked By: _____

Groundwater Sampling
Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Wilkins RV – SMP Sampling
Location ID MW-3 Field Sample ID MW-03_11-24-14 Job # 50185-02
Activity Time 11:00 Sample Time 12:10 Sampling Event # Q6
Date 11/24/14

SAMPLING NOTES

Initial Depth to Water 4.39 feet Measurement Point TOR Well Diameter 2"
Final Depth to Water 10.1 feet Well Depth 21.35 feet Well Integrity:
Screen Length 10 feet Pump Intake Depth NA Cap good
Total Volume Purged 8.25 gallons PID Well Head NA Casing good
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked yes
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar good

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	~~Dissolved O2 (mg/L)~~ TDS	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
	7.2	NA	15.0	7.17	827.8	62.4	1.18	-16	
	8.6	↓	15.4	7.30	808.8	754	1.15	53	1 well vol. evacuated
	9.6	↓	14.9	7.36	801.5	93	1.16	53	2 well vols evacuated
12:00	10.1	↓	15.0	7.45	802.3	173	1.14	202	3 well vols evacuated

Purge Observations: turbidity increased during purging, then stabilized; no sheen or odor
Purge Water Containerized: yes → 55 gal drum

EQUIPMENT DOCUMENTATION

Type of Pump: NA – sample by bailer
Type of Tubing: NA
Type of Water Quality Meter: Myron 6P, LaMotte 2020 Calibrated:

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	yes
Fe, Mn	1 x 250 ml	yes

LOCATION NOTES

1 well volume = 2.75 gal
3 well volumes = 8.25 gal

Signature: Eric DeFeil
Checked By:

Groundwater Sampling
Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Wilkins RV – SMP Sampling
Location ID MW-6 Field Sample ID MW-06_11-24-14 Job # 50185-02
Activity Time 13:00 Sample Time 13:40 Sampling Event # Q6
Date 11/24/14

SAMPLING NOTES

Initial Depth to Water 3.90 feet Measurement Point TOR Well Diameter 2"
Final Depth to Water 14.45 feet Well Depth 20.1 feet Well Integrity:
Screen Length 10 feet Pump Intake Depth NA Cap good
Total Volume Purged 7.75 gallons PID Well Head NA Casing good
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked yes
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar good

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	~~Dissolved O2 (mg/L)~~ TDS	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
	6.78	NA	16.8	7.78	842	29.8	1.20	139	evacuated 1 well vol.
	10.54	↓	16.7	7.72	821	76.2	1.17	114	evac. 2 well vols
	14.45	↓	16.7	7.78	827	46.0	1.18	109	evac 3 well vols

Purge Observations: Iron-reddish discoloration throughout purging, no sheen, sulfur odor
Purge Water Containerized: yes - 55 gal. drum

EQUIPMENT DOCUMENTATION

Type of Pump: NA – sample by bailer
Type of Tubing: NA
Type of Water Quality Meter: Myron 6P, LaMotte 2020 Calibrated:

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	yes
Fe, Mn	1 x 250 ml	yes

LOCATION NOTES

1 well vol. = 2.6 gal, 3 volumes = 7.8 gal

Signature: Eric Detra
Checked By:

Groundwater Sampling
Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Wilkins RV – SMP Sampling
Location ID MW-13 Field Sample ID MW-13_11-24-14 Job # 50185-02
Activity Time 12:30 Sample Time 12:50 Sampling Event # 06
Date 11/24/14

SAMPLING NOTES

Initial Depth to Water 2.35 feet Measurement Point TOR Well Diameter 2"
Final Depth to Water 3.78 feet Well Depth 16.61 (was 16.81) feet Well Integrity:
Screen Length 10 feet Pump Intake Depth NA Cap good
Total Volume Purged 7 gallons PID Well Head NA Casing good
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked yes
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar good

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	~~Dissolved O2 (mg/L)~~ TDS	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
	4.80	NA	11.7	7.22	865	11.51	1.22	-108	evacuated 1 bailer
	5.55	↓	11.7	7.31	870	25.3	1.22	-91	evacuated 3 gal.
	4.35	↓	11.6	7.21	821	52.2	1.16	-92	evacuated 7 gal

Purge Observations: low turbidity throughout purge, no sheen, light sulfur odor
Purge Water Containerized: yes – 55gal drum

EQUIPMENT DOCUMENTATION

Type of Pump: NA – sample by bailer
Type of Tubing: NA
Type of Water Quality Meter: Myron 6P, LaMotte 2020 Calibrated:

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	yes
Fe, Mn	1 x 250 ml	yes

LOCATION NOTES

1 well volume, 3 well volumes

Signature:
Checked By:

Groundwater Sampling Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Wilkins RV
Location ID MW-JCL-02
Activity Time 11:30

Field Sample ID MW-JCL-02
Sample Time 12:00

Job # 5018S-02
Sampling Event # __
Date 6/24/15

SAMPLING NOTES

Initial Depth to Water 4.5 feet
Final Depth to Water 35.6 feet
Screen Length 10 feet
Total Volume Purged 12 gallons
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

Measurement Point TOR
Well Depth 35.75 feet
Pump Intake Depth —
PID Well Head —

Well Diameter 2"
Well Integrity:
Cap ✓
Casing ✓
Locked ✓
Collar ✓

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
	12.9		14.5	8.0	5.52	0	1.04	179.3	
	21.6		13.9	7.72	6.32	76	1.013	106.3	
	34.2		13.9	7.63	6.12	113	1.078	123.0	

Purge Observations: No sheen, No odor, slight sulfur
Purge Water Containerized: Yes

EQUIPMENT DOCUMENTATION

Type of Pump: NA bailer
Type of Tubing: ¼" ~~HDPE~~ NA
Type of Water Quality Meter: Horiba U-22; LaMotte 2020
Calibrated: _____

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	✓
FE, MN	1x250mL	✓

LOCATION NOTES

Signature: _____
Checked By: _____

Groundwater Sampling Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Wilkins Rv
Location ID MW-03
Activity Time 10:30

Field Sample ID MW-03
Sample Time 11:30

Job # 50185-02
Sampling Event # __
Date 6/24/15

SAMPLING NOTES

Initial Depth to Water 3.4 feet
Final Depth to Water 7.8 feet
Screen Length 10 feet
Total Volume Purged 8.75 gallons
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

Measurement Point TOR
Well Depth 21.35 feet
Pump Intake Depth —
PID Well Head —

Well Diameter 2"
Well Integrity:
Cap ✓
Casing ✓
Locked ✓
Collar ✓

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
	9.35		14.8	7.82	5.45	2253AV	1.11	128.7	
	10.73		15.2	7.95	6.23	789	1.19	115.3	
	11.69		14.8	6.98	5.29	182	1.09	114.8	
11:30	12.23		14.8	7.45	4.89	262	1.07	119.1	

Purge Observations: No odor, No Sheen
Purge Water Containerized: Yes

EQUIPMENT DOCUMENTATION

Type of Pump: NA bailer
Type of Tubing: ¼" ~~HDPE~~ NA
Type of Water Quality Meter: Horiba U-22; LaMotte 2020
Calibrated: _____

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	✓
Fe, Mn	1x250mL	✓

LOCATION NOTES

Signature: _____
Checked By: _____

Groundwater Sampling Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Wilkins Rv
Location ID MW-06
Activity Time 12:30

Field Sample ID MW-06
Sample Time 1300

Job # 5085-02
Sampling Event # __
Date 6/24/15

SAMPLING NOTES

Initial Depth to Water 3.55 feet
Final Depth to Water 19.8 feet
Screen Length 10 feet
Total Volume Purged 8 gallons

Measurement Point TOR
Well Depth 20.1 feet
Pump Intake Depth —
PID Well Head —

Well Diameter 2"
Well Integrity:
Cap ✓
Casing ✓
Locked ✓
Collar ✓

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
115	6.55		16.7	7.94	5.66	1529	1.02	178.6	
	10.15		16.6	7.87	5.39	76.9	1.12	153.3	
	14.25		16.6	7.93	5.34	63.0	1.08	148.8	

Purge Observations: iron, reddish in color, No sheen, No odor
Purge Water Containerized: Yes

EQUIPMENT DOCUMENTATION

Type of Pump: bailer
Type of Tubing: ¼" ~~HDPE~~ NA
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: _____

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	✓
FE, MN	1 x 250 mL	✓

LOCATION NOTES

Signature: Casey Bass
Checked By: _____

Groundwater Sampling Field Record

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name Wilkins RV
Location ID MW-13
Activity Time 1315

Field Sample ID MW-13
Sample Time 1400

Job # 50185-02
Sampling Event # __
Date 6/24/15

SAMPLING NOTES

Initial Depth to Water 6.7 feet
Final Depth to Water 16.3 feet
Screen Length 10 feet
Total Volume Purged 7.5 gallons

Measurement Point TOR
Well Depth 16.81 feet
Pump Intake Depth —
PID Well Head —

Well Diameter 2"
Well Integrity:
Cap ✓
Casing ✓
Locked ✓
Collar ✓

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
	2.8		20.4	7.52	3.82	49.5	0.95	-85.0	
	3.4		19.2	7.41	3.94	65.3	1.03	-91	
	4.8		18.6	7.53	2.98	73.2	1.12	-102	

Purge Observations: light sulfur, no sheen
Purge Water Containerized: yes

EQUIPMENT DOCUMENTATION

Type of Pump: bailer
Type of Tubing: ~~¼" HDPE~~ NA
Type of Water Quality Meter: Horiba U-22; LaMotte 2020
Calibrated: _____

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	✓
FE, MN	1 x 250mL	✓

LOCATION NOTES

Signature: _____
Checked By: _____

C - Analytical Data

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier:	MW-03_11-24-14		
Lab Sample ID:	145133-01	**Date Sampled:**	11/24/2014
Matrix:	Groundwater	**Date Received:**	11/24/2014

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**5.46**	mg/L		12/2/2014 18:44
Manganese	**9.54**	mg/L		12/2/2014 18:44

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 12/1/2014
Data File: 120214b

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-03_11-24-14
Lab Sample ID: 145133-01 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 200	ug/L		11/26/2014 06:06
1,1,2,2-Tetrachloroethane	< 200	ug/L		11/26/2014 06:06
1,1,2-Trichloroethane	< 200	ug/L		11/26/2014 06:06
1,1-Dichloroethane	< 200	ug/L		11/26/2014 06:06
1,1-Dichloroethene	< 200	ug/L		11/26/2014 06:06
1,2,3-Trichlorobenzene	< 500	ug/L		11/26/2014 06:06
1,2,4-Trichlorobenzene	< 500	ug/L		11/26/2014 06:06
1,2-Dibromo-3-Chloropropane	< 1000	ug/L		11/26/2014 06:06
1,2-Dibromoethane	< 200	ug/L		11/26/2014 06:06
1,2-Dichlorobenzene	< 200	ug/L		11/26/2014 06:06
1,2-Dichloroethane	< 200	ug/L		11/26/2014 06:06
1,2-Dichloropropane	< 200	ug/L		11/26/2014 06:06
1,3-Dichlorobenzene	< 200	ug/L		11/26/2014 06:06
1,4-Dichlorobenzene	< 200	ug/L		11/26/2014 06:06
1,4-dioxane	< 2000	ug/L		11/26/2014 06:06
2-Butanone	< 1000	ug/L		11/26/2014 06:06
2-Hexanone	< 500	ug/L		11/26/2014 06:06
4-Methyl-2-pentanone	< 500	ug/L		11/26/2014 06:06
Acetone	< 1000	ug/L		11/26/2014 06:06
Benzene	< 70.0	ug/L		11/26/2014 06:06
Bromochloromethane	< 500	ug/L		11/26/2014 06:06
Bromodichloromethane	< 200	ug/L		11/26/2014 06:06
Bromoform	< 500	ug/L		11/26/2014 06:06
Bromomethane	< 200	ug/L		11/26/2014 06:06
Carbon disulfide	< 200	ug/L		11/26/2014 06:06
Carbon Tetrachloride	< 200	ug/L		11/26/2014 06:06
Chlorobenzene	< 200	ug/L		11/26/2014 06:06

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-03_11-24-14
Lab Sample ID: 145133-01 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Chloroethane	< 200	ug/L	11/26/2014	06:06
Chloroform	< 200	ug/L	11/26/2014	06:06
Chloromethane	< 200	ug/L	11/26/2014	06:06
cis-1,2-Dichloroethene	**4040**	ug/L	11/26/2014	06:06
cis-1,3-Dichloropropene	< 200	ug/L	11/26/2014	06:06
Cyclohexane	< 1000	ug/L	11/26/2014	06:06
Dibromochloromethane	< 200	ug/L	11/26/2014	06:06
Dichlorodifluoromethane	< 200	ug/L	11/26/2014	06:06
Ethylbenzene	< 200	ug/L	11/26/2014	06:06
Freon 113	< 200	ug/L	11/26/2014	06:06
Isopropylbenzene	< 200	ug/L	11/26/2014	06:06
m,p-Xylene	< 200	ug/L	11/26/2014	06:06
Methyl acetate	< 200	ug/L	11/26/2014	06:06
Methyl tert-butyl Ether	< 200	ug/L	11/26/2014	06:06
Methylcyclohexane	< 200	ug/L	11/26/2014	06:06
Methylene chloride	< 500	ug/L	11/26/2014	06:06
o-Xylene	< 200	ug/L	11/26/2014	06:06
Styrene	< 500	ug/L	11/26/2014	06:06
Tetrachloroethene	**4920**	ug/L	11/26/2014	06:06
Toluene	< 200	ug/L	11/26/2014	06:06
trans-1,2-Dichloroethene	< 200	ug/L	11/26/2014	06:06
trans-1,3-Dichloropropene	< 200	ug/L	11/26/2014	06:06
Trichloroethene	**2700**	ug/L	11/26/2014	06:06
Trichlorofluoromethane	< 200	ug/L	11/26/2014	06:06
Vinyl chloride	< 200	ug/L	11/26/2014	06:06

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-03_11-24-14

Lab Sample ID: 145133-01 **Date Sampled:** 11/24/2014

Matrix: Groundwater **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**103**	85.7 - 112		11/26/2014 06:06
4-Bromofluorobenzene	**99.8**	86.6 - 110		11/26/2014 06:06
Pentafluorobenzene	**103**	94.6 - 106		11/26/2014 06:06
Toluene-D8	**102**	91.8 - 107		11/26/2014 06:06

Method Reference(s): EPA 8260C
EPA 5030

Data File: x18948.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier:	MW-JCL-02_11-24-14		
Lab Sample ID:	145133-02	**Date Sampled:**	11/24/2014
Matrix:	Groundwater	**Date Received:**	11/24/2014

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**0.195**	mg/L		12/2/2014 18:57
Manganese	**0.557**	mg/L		12/2/2014 18:57

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 12/1/2014
Data File: 120214b

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-JCL-02_11-24-14
Lab Sample ID: 145133-02 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 100	ug/L		11/26/2014 05:42
1,1,2,2-Tetrachloroethane	< 100	ug/L		11/26/2014 05:42
1,1,2-Trichloroethane	< 100	ug/L		11/26/2014 05:42
1,1-Dichloroethane	< 100	ug/L		11/26/2014 05:42
1,1-Dichloroethene	< 100	ug/L		11/26/2014 05:42
1,2,3-Trichlorobenzene	< 250	ug/L		11/26/2014 05:42
1,2,4-Trichlorobenzene	< 250	ug/L		11/26/2014 05:42
1,2-Dibromo-3-Chloropropane	< 500	ug/L		11/26/2014 05:42
1,2-Dibromoethane	< 100	ug/L		11/26/2014 05:42
1,2-Dichlorobenzene	< 100	ug/L		11/26/2014 05:42
1,2-Dichloroethane	< 100	ug/L		11/26/2014 05:42
1,2-Dichloropropane	< 100	ug/L		11/26/2014 05:42
1,3-Dichlorobenzene	< 100	ug/L		11/26/2014 05:42
1,4-Dichlorobenzene	< 100	ug/L		11/26/2014 05:42
1,4-dioxane	< 1000	ug/L		11/26/2014 05:42
2-Butanone	< 500	ug/L		11/26/2014 05:42
2-Hexanone	< 250	ug/L		11/26/2014 05:42
4-Methyl-2-pentanone	< 250	ug/L		11/26/2014 05:42
Acetone	< 500	ug/L		11/26/2014 05:42
Benzene	< 35.0	ug/L		11/26/2014 05:42
Bromochloromethane	< 250	ug/L		11/26/2014 05:42
Bromodichloromethane	< 100	ug/L		11/26/2014 05:42
Bromoform	< 250	ug/L		11/26/2014 05:42
Bromomethane	< 100	ug/L		11/26/2014 05:42
Carbon disulfide	< 100	ug/L		11/26/2014 05:42
Carbon Tetrachloride	< 100	ug/L		11/26/2014 05:42
Chlorobenzene	< 100	ug/L		11/26/2014 05:42

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-JCL-02_11-24-14
Lab Sample ID: 145133-02 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Chloroethane	< 100	ug/L	11/26/2014	05:42
Chloroform	< 100	ug/L	11/26/2014	05:42
Chloromethane	< 100	ug/L	11/26/2014	05:42
cis-1,2-Dichloroethene	**1860**	ug/L	11/26/2014	05:42
cis-1,3-Dichloropropene	< 100	ug/L	11/26/2014	05:42
Cyclohexane	< 500	ug/L	11/26/2014	05:42
Dibromochloromethane	< 100	ug/L	11/26/2014	05:42
Dichlorodifluoromethane	< 100	ug/L	11/26/2014	05:42
Ethylbenzene	< 100	ug/L	11/26/2014	05:42
Freon 113	< 100	ug/L	11/26/2014	05:42
Isopropylbenzene	< 100	ug/L	11/26/2014	05:42
m,p-Xylene	< 100	ug/L	11/26/2014	05:42
Methyl acetate	< 100	ug/L	11/26/2014	05:42
Methyl tert-butyl Ether	< 100	ug/L	11/26/2014	05:42
Methylcyclohexane	< 100	ug/L	11/26/2014	05:42
Methylene chloride	< 250	ug/L	11/26/2014	05:42
o-Xylene	< 100	ug/L	11/26/2014	05:42
Styrene	< 250	ug/L	11/26/2014	05:42
Tetrachloroethene	**900**	ug/L	11/26/2014	05:42
Toluene	< 100	ug/L	11/26/2014	05:42
trans-1,2-Dichloroethene	< 100	ug/L	11/26/2014	05:42
trans-1,3-Dichloropropene	< 100	ug/L	11/26/2014	05:42
Trichloroethene	**1690**	ug/L	11/26/2014	05:42
Trichlorofluoromethane	< 100	ug/L	11/26/2014	05:42
Vinyl chloride	< 100	ug/L	11/26/2014	05:42

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-JCL-02_11-24-14

Lab Sample ID: 145133-02 **Date Sampled:** 11/24/2014

Matrix: Groundwater **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**103**	85.7 - 112		11/26/2014 05:42
4-Bromofluorobenzene	**99.0**	86.6 - 110		11/26/2014 05:42
Pentafluorobenzene	**103**	94.6 - 106		11/26/2014 05:42
Toluene-D8	**101**	91.8 - 107		11/26/2014 05:42

Method Reference(s): EPA 8260C
EPA 5030

Data File: x18947.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier:	MW-13_11-24-14		
Lab Sample ID:	145133-03	**Date Sampled:**	11/24/2014
Matrix:	Groundwater	**Date Received:**	11/24/2014

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**2.71**	mg/L		12/2/2014 19:01
Manganese	**0.738**	mg/L		12/2/2014 19:01

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 12/1/2014
Data File: 120214b

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-13_11-24-14
Lab Sample ID: 145133-03 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		11/26/2014 05:19
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		11/26/2014 05:19
1,1,2-Trichloroethane	< 2.00	ug/L		11/26/2014 05:19
1,1-Dichloroethane	< 2.00	ug/L		11/26/2014 05:19
1,1-Dichloroethene	< 2.00	ug/L		11/26/2014 05:19
1,2,3-Trichlorobenzene	< 5.00	ug/L		11/26/2014 05:19
1,2,4-Trichlorobenzene	< 5.00	ug/L		11/26/2014 05:19
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		11/26/2014 05:19
1,2-Dibromoethane	< 2.00	ug/L		11/26/2014 05:19
1,2-Dichlorobenzene	< 2.00	ug/L		11/26/2014 05:19
1,2-Dichloroethane	< 2.00	ug/L		11/26/2014 05:19
1,2-Dichloropropane	< 2.00	ug/L		11/26/2014 05:19
1,3-Dichlorobenzene	< 2.00	ug/L		11/26/2014 05:19
1,4-Dichlorobenzene	< 2.00	ug/L		11/26/2014 05:19
1,4-dioxane	< 20.0	ug/L		11/26/2014 05:19
2-Butanone	< 10.0	ug/L		11/26/2014 05:19
2-Hexanone	< 5.00	ug/L		11/26/2014 05:19
4-Methyl-2-pentanone	< 5.00	ug/L		11/26/2014 05:19
Acetone	< 10.0	ug/L		11/26/2014 05:19
Benzene	< 0.700	ug/L		11/26/2014 05:19
Bromochloromethane	< 5.00	ug/L		11/26/2014 05:19
Bromodichloromethane	< 2.00	ug/L		11/26/2014 05:19
Bromoform	< 5.00	ug/L		11/26/2014 05:19
Bromomethane	< 2.00	ug/L		11/26/2014 05:19
Carbon disulfide	< 2.00	ug/L		11/26/2014 05:19
Carbon Tetrachloride	< 2.00	ug/L		11/26/2014 05:19
Chlorobenzene	< 2.00	ug/L		11/26/2014 05:19

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-13_11-24-14
Lab Sample ID: 145133-03 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Chloroethane	< 2.00	ug/L	11/26/2014	05:19
Chloroform	< 2.00	ug/L	11/26/2014	05:19
Chloromethane	< 2.00	ug/L	11/26/2014	05:19
cis-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	05:19
cis-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	05:19
Cyclohexane	< 10.0	ug/L	11/26/2014	05:19
Dibromochloromethane	< 2.00	ug/L	11/26/2014	05:19
Dichlorodifluoromethane	< 2.00	ug/L	11/26/2014	05:19
Ethylbenzene	< 2.00	ug/L	11/26/2014	05:19
Freon 113	< 2.00	ug/L	11/26/2014	05:19
Isopropylbenzene	< 2.00	ug/L	11/26/2014	05:19
m,p-Xylene	< 2.00	ug/L	11/26/2014	05:19
Methyl acetate	< 2.00	ug/L	11/26/2014	05:19
Methyl tert-butyl Ether	< 2.00	ug/L	11/26/2014	05:19
Methylcyclohexane	< 2.00	ug/L	11/26/2014	05:19
Methylene chloride	< 5.00	ug/L	11/26/2014	05:19
o-Xylene	< 2.00	ug/L	11/26/2014	05:19
Styrene	< 5.00	ug/L	11/26/2014	05:19
Tetrachloroethene	< 2.00	ug/L	11/26/2014	05:19
Toluene	< 2.00	ug/L	11/26/2014	05:19
trans-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	05:19
trans-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	05:19
Trichloroethene	< 2.00	ug/L	11/26/2014	05:19
Trichlorofluoromethane	< 2.00	ug/L	11/26/2014	05:19
Vinyl chloride	< 2.00	ug/L	11/26/2014	05:19

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-13_11-24-14

Lab Sample ID: 145133-03 **Date Sampled:** 11/24/2014

Matrix: Groundwater **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**100**	85.7 - 112		11/26/2014 05:19
4-Bromofluorobenzene	**99.5**	86.6 - 110		11/26/2014 05:19
Pentafluorobenzene	**102**	94.6 - 106		11/26/2014 05:19
Toluene-D8	**101**	91.8 - 107		11/26/2014 05:19

Method Reference(s): EPA 8260C
EPA 5030

Data File: x18946.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier:	MW-06_11-24-14		
Lab Sample ID:	145133-04	**Date Sampled:**	11/24/2014
Matrix:	Groundwater	**Date Received:**	11/24/2014

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**5.83**	mg/L		12/2/2014 19:05
Manganese	**8.84**	mg/L		12/2/2014 19:05

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 12/1/2014
Data File: 120214b

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, December 09, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-06_11-24-14
Lab Sample ID: 145133-04 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		11/26/2014 04:55
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		11/26/2014 04:55
1,1,2-Trichloroethane	< 2.00	ug/L		11/26/2014 04:55
1,1-Dichloroethane	< 2.00	ug/L		11/26/2014 04:55
1,1-Dichloroethene	< 2.00	ug/L		11/26/2014 04:55
1,2,3-Trichlorobenzene	< 5.00	ug/L		11/26/2014 04:55
1,2,4-Trichlorobenzene	< 5.00	ug/L		11/26/2014 04:55
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		11/26/2014 04:55
1,2-Dibromoethane	< 2.00	ug/L		11/26/2014 04:55
1,2-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:55
1,2-Dichloroethane	< 2.00	ug/L		11/26/2014 04:55
1,2-Dichloropropane	< 2.00	ug/L		11/26/2014 04:55
1,3-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:55
1,4-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:55
1,4-dioxane	< 20.0	ug/L		11/26/2014 04:55
2-Butanone	< 10.0	ug/L		11/26/2014 04:55
2-Hexanone	< 5.00	ug/L		11/26/2014 04:55
4-Methyl-2-pentanone	< 5.00	ug/L		11/26/2014 04:55
Acetone	< 10.0	ug/L		11/26/2014 04:55
Benzene	< 0.700	ug/L		11/26/2014 04:55
Bromochloromethane	< 5.00	ug/L		11/26/2014 04:55
Bromodichloromethane	< 2.00	ug/L		11/26/2014 04:55
Bromoform	< 5.00	ug/L		11/26/2014 04:55
Bromomethane	< 2.00	ug/L		11/26/2014 04:55
Carbon disulfide	< 2.00	ug/L		11/26/2014 04:55
Carbon Tetrachloride	< 2.00	ug/L		11/26/2014 04:55
Chlorobenzene	< 2.00	ug/L		11/26/2014 04:55

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-06_11-24-14
Lab Sample ID: 145133-04 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Chloroethane	< 2.00	ug/L	11/26/2014	04:55
Chloroform	< 2.00	ug/L	11/26/2014	04:55
Chloromethane	< 2.00	ug/L	11/26/2014	04:55
cis-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	04:55
cis-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	04:55
Cyclohexane	< 10.0	ug/L	11/26/2014	04:55
Dibromochloromethane	< 2.00	ug/L	11/26/2014	04:55
Dichlorodifluoromethane	**6.11**	ug/L	11/26/2014	04:55
Ethylbenzene	< 2.00	ug/L	11/26/2014	04:55
Freon 113	< 2.00	ug/L	11/26/2014	04:55
Isopropylbenzene	< 2.00	ug/L	11/26/2014	04:55
m,p-Xylene	< 2.00	ug/L	11/26/2014	04:55
Methyl acetate	< 2.00	ug/L	11/26/2014	04:55
Methyl tert-butyl Ether	< 2.00	ug/L	11/26/2014	04:55
Methylcyclohexane	< 2.00	ug/L	11/26/2014	04:55
Methylene chloride	< 5.00	ug/L	11/26/2014	04:55
o-Xylene	< 2.00	ug/L	11/26/2014	04:55
Styrene	< 5.00	ug/L	11/26/2014	04:55
Tetrachloroethene	**12.8**	ug/L	11/26/2014	04:55
Toluene	< 2.00	ug/L	11/26/2014	04:55
trans-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	04:55
trans-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	04:55
Trichloroethene	< 2.00	ug/L	11/26/2014	04:55
Trichlorofluoromethane	< 2.00	ug/L	11/26/2014	04:55
Vinyl chloride	< 2.00	ug/L	11/26/2014	04:55

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-06_11-24-14

Lab Sample ID: 145133-04 **Date Sampled:** 11/24/2014

Matrix: Groundwater **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**102**	85.7 - 112		11/26/2014 04:55
4-Bromofluorobenzene	**97.0**	86.6 - 110		11/26/2014 04:55
Pentafluorobenzene	**101**	94.6 - 106		11/26/2014 04:55
Toluene-D8	**101**	91.8 - 107		11/26/2014 04:55

Method Reference(s): EPA 8260C
EPA 5030

Data File: x18945.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: Trip Blank (T-579)
Lab Sample ID: 145133-05 **Date Sampled:** 11/24/2014
Matrix: Water **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		11/26/2014 04:32
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		11/26/2014 04:32
1,1,2-Trichloroethane	< 2.00	ug/L		11/26/2014 04:32
1,1-Dichloroethane	< 2.00	ug/L		11/26/2014 04:32
1,1-Dichloroethene	< 2.00	ug/L		11/26/2014 04:32
1,2,3-Trichlorobenzene	< 5.00	ug/L		11/26/2014 04:32
1,2,4-Trichlorobenzene	< 5.00	ug/L		11/26/2014 04:32
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		11/26/2014 04:32
1,2-Dibromoethane	< 2.00	ug/L		11/26/2014 04:32
1,2-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:32
1,2-Dichloroethane	< 2.00	ug/L		11/26/2014 04:32
1,2-Dichloropropane	< 2.00	ug/L		11/26/2014 04:32
1,3-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:32
1,4-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:32
1,4-dioxane	< 20.0	ug/L		11/26/2014 04:32
2-Butanone	< 10.0	ug/L		11/26/2014 04:32
2-Hexanone	< 5.00	ug/L		11/26/2014 04:32
4-Methyl-2-pentanone	< 5.00	ug/L		11/26/2014 04:32
Acetone	< 10.0	ug/L		11/26/2014 04:32
Benzene	< 0.700	ug/L		11/26/2014 04:32
Bromochloromethane	< 5.00	ug/L		11/26/2014 04:32
Bromodichloromethane	< 2.00	ug/L		11/26/2014 04:32
Bromoform	< 5.00	ug/L		11/26/2014 04:32
Bromomethane	< 2.00	ug/L		11/26/2014 04:32
Carbon disulfide	< 2.00	ug/L		11/26/2014 04:32
Carbon Tetrachloride	< 2.00	ug/L		11/26/2014 04:32
Chlorobenzene	< 2.00	ug/L		11/26/2014 04:32

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: Trip Blank (T-579)
Lab Sample ID: 145133-05 **Date Sampled:** 11/24/2014
Matrix: Water **Date Received:** 11/24/2014

Chloroethane	< 2.00	ug/L	11/26/2014	04:32
Chloroform	< 2.00	ug/L	11/26/2014	04:32
Chloromethane	< 2.00	ug/L	11/26/2014	04:32
cis-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	04:32
cis-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	04:32
Cyclohexane	< 10.0	ug/L	11/26/2014	04:32
Dibromochloromethane	< 2.00	ug/L	11/26/2014	04:32
Dichlorodifluoromethane	< 2.00	ug/L	11/26/2014	04:32
Ethylbenzene	< 2.00	ug/L	11/26/2014	04:32
Freon 113	< 2.00	ug/L	11/26/2014	04:32
Isopropylbenzene	< 2.00	ug/L	11/26/2014	04:32
m,p-Xylene	< 2.00	ug/L	11/26/2014	04:32
Methyl acetate	< 2.00	ug/L	11/26/2014	04:32
Methyl tert-butyl Ether	< 2.00	ug/L	11/26/2014	04:32
Methylcyclohexane	< 2.00	ug/L	11/26/2014	04:32
Methylene chloride	< 5.00	ug/L	11/26/2014	04:32
o-Xylene	< 2.00	ug/L	11/26/2014	04:32
Styrene	< 5.00	ug/L	11/26/2014	04:32
Tetrachloroethene	< 2.00	ug/L	11/26/2014	04:32
Toluene	< 2.00	ug/L	11/26/2014	04:32
trans-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	04:32
trans-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	04:32
Trichloroethene	< 2.00	ug/L	11/26/2014	04:32
Trichlorofluoromethane	< 2.00	ug/L	11/26/2014	04:32
Vinyl chloride	< 2.00	ug/L	11/26/2014	04:32

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: Trip Blank (T-579)
Lab Sample ID: 145133-05 **Date Sampled:** 11/24/2014
Matrix: Water **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**106**	85.7 - 112		11/26/2014 04:32
4-Bromofluorobenzene	**101**	86.6 - 110		11/26/2014 04:32
Pentafluorobenzene	**102**	94.6 - 106		11/26/2014 04:32
Toluene-D8	**101**	91.8 - 107		11/26/2014 04:32

Method Reference(s): EPA 8260C
EPA 5030
Data File: x18944.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:

CLIENT: LU Engineers
ADDRESS: 175 Sully's Trail Suite 202
CITY: Pittsford STATE: NY ZIP: 14534
PHONE: 385-7417
ATTN: Eric Detweiler

INVOICE TO:

CLIENT:
ADDRESS:
CITY: STATE: ZIP:
PHONE:
ATTN: SAME

LAB PROJECT ID: 145133
Quotation #:
Email: edetweiler@luengineers.com

PROJECT REFERENCE
Wilkins RY
Bi-annual sampling

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOCs 8260	Fe, Mn	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	11/24/14	12:10		X	MW-03_11-24-14	WG	3	2	1	ASP Cat A	01
2	↓	12:15		X	MW-JCL-02_11-24-14	↓	3	2	1	↓	02
3		12:50		X	MW-13_11-24-14		3	2	1		03
4		13:40		X	MW-06_11-24-14		3	2	1		04
5					TRIP BLANK (T-5X) per label 155 11/24/14						05
6											
7											
8											
9											
10											

5°C iced by samples started in field 1519 hrs 11/24 m custody seals N/A client delivered mellfield 11/24/14

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☒	NYSDEC EDD	☒
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other please indicate: 10 day	☒	Other please indicate:	☐	Other EDD please indicate:	☐

Sampled By: Eric Detweiler	11/24/14	Date/Time
Relinquished By: [signature]	11/24/14 15:05	Date/Time
Received By: [signature]	11/24/14 1505	Date/Time
Received @ Lab By: [signature]	11/24/14 16:23	Date/Time

Total Cost:

P.I.F. ☐

Chain of Custody Supplement

Client: Lu Engineers **Completed by:** Glenn Pezzulo

Lab Project ID: 145133 **Date:** 11/24/14

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X VOA		X
Comments			
Preservation	X		
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	8°C iced by samples started in Field		
Sufficient Sample Quantity	X		
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier:	MW-03_11-24-14		
Lab Sample ID:	145133-01	**Date Sampled:**	11/24/2014
Matrix:	Groundwater	**Date Received:**	11/24/2014

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**5.46**	mg/L		12/2/2014 18:44
Manganese	**9.54**	mg/L		12/2/2014 18:44

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 12/1/2014
Data File: 120214b

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-03_11-24-14
Lab Sample ID: 145133-01 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 200	ug/L		11/26/2014 06:06
1,1,2,2-Tetrachloroethane	< 200	ug/L		11/26/2014 06:06
1,1,2-Trichloroethane	< 200	ug/L		11/26/2014 06:06
1,1-Dichloroethane	< 200	ug/L		11/26/2014 06:06
1,1-Dichloroethene	< 200	ug/L		11/26/2014 06:06
1,2,3-Trichlorobenzene	< 500	ug/L		11/26/2014 06:06
1,2,4-Trichlorobenzene	< 500	ug/L		11/26/2014 06:06
1,2-Dibromo-3-Chloropropane	< 1000	ug/L		11/26/2014 06:06
1,2-Dibromoethane	< 200	ug/L		11/26/2014 06:06
1,2-Dichlorobenzene	< 200	ug/L		11/26/2014 06:06
1,2-Dichloroethane	< 200	ug/L		11/26/2014 06:06
1,2-Dichloropropane	< 200	ug/L		11/26/2014 06:06
1,3-Dichlorobenzene	< 200	ug/L		11/26/2014 06:06
1,4-Dichlorobenzene	< 200	ug/L		11/26/2014 06:06
1,4-dioxane	< 2000	ug/L		11/26/2014 06:06
2-Butanone	< 1000	ug/L		11/26/2014 06:06
2-Hexanone	< 500	ug/L		11/26/2014 06:06
4-Methyl-2-pentanone	< 500	ug/L		11/26/2014 06:06
Acetone	< 1000	ug/L		11/26/2014 06:06
Benzene	< 70.0	ug/L		11/26/2014 06:06
Bromochloromethane	< 500	ug/L		11/26/2014 06:06
Bromodichloromethane	< 200	ug/L		11/26/2014 06:06
Bromoform	< 500	ug/L		11/26/2014 06:06
Bromomethane	< 200	ug/L		11/26/2014 06:06
Carbon disulfide	< 200	ug/L		11/26/2014 06:06
Carbon Tetrachloride	< 200	ug/L		11/26/2014 06:06
Chlorobenzene	< 200	ug/L		11/26/2014 06:06

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-03_11-24-14
Lab Sample ID: 145133-01 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Chloroethane	< 200	ug/L	11/26/2014	06:06
Chloroform	< 200	ug/L	11/26/2014	06:06
Chloromethane	< 200	ug/L	11/26/2014	06:06
cis-1,2-Dichloroethene	**4040**	ug/L	11/26/2014	06:06
cis-1,3-Dichloropropene	< 200	ug/L	11/26/2014	06:06
Cyclohexane	< 1000	ug/L	11/26/2014	06:06
Dibromochloromethane	< 200	ug/L	11/26/2014	06:06
Dichlorodifluoromethane	< 200	ug/L	11/26/2014	06:06
Ethylbenzene	< 200	ug/L	11/26/2014	06:06
Freon 113	< 200	ug/L	11/26/2014	06:06
Isopropylbenzene	< 200	ug/L	11/26/2014	06:06
m,p-Xylene	< 200	ug/L	11/26/2014	06:06
Methyl acetate	< 200	ug/L	11/26/2014	06:06
Methyl tert-butyl Ether	< 200	ug/L	11/26/2014	06:06
Methylcyclohexane	< 200	ug/L	11/26/2014	06:06
Methylene chloride	< 500	ug/L	11/26/2014	06:06
o-Xylene	< 200	ug/L	11/26/2014	06:06
Styrene	< 500	ug/L	11/26/2014	06:06
Tetrachloroethene	**4920**	ug/L	11/26/2014	06:06
Toluene	< 200	ug/L	11/26/2014	06:06
trans-1,2-Dichloroethene	< 200	ug/L	11/26/2014	06:06
trans-1,3-Dichloropropene	< 200	ug/L	11/26/2014	06:06
Trichloroethene	**2700**	ug/L	11/26/2014	06:06
Trichlorofluoromethane	< 200	ug/L	11/26/2014	06:06
Vinyl chloride	< 200	ug/L	11/26/2014	06:06

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-03_11-24-14

Lab Sample ID: 145133-01 **Date Sampled:** 11/24/2014

Matrix: Groundwater **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**103**	85.7 - 112		11/26/2014 06:06
4-Bromofluorobenzene	**99.8**	86.6 - 110		11/26/2014 06:06
Pentafluorobenzene	**103**	94.6 - 106		11/26/2014 06:06
Toluene-D8	**102**	91.8 - 107		11/26/2014 06:06

Method Reference(s): EPA 8260C
EPA 5030

Data File: x18948.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier:	MW-JCL-02_11-24-14		
Lab Sample ID:	145133-02	**Date Sampled:**	11/24/2014
Matrix:	Groundwater	**Date Received:**	11/24/2014

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**0.195**	mg/L		12/2/2014 18:57
Manganese	**0.557**	mg/L		12/2/2014 18:57

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 12/1/2014
Data File: 120214b

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-JCL-02_11-24-14
Lab Sample ID: 145133-02 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 100	ug/L		11/26/2014 05:42
1,1,2,2-Tetrachloroethane	< 100	ug/L		11/26/2014 05:42
1,1,2-Trichloroethane	< 100	ug/L		11/26/2014 05:42
1,1-Dichloroethane	< 100	ug/L		11/26/2014 05:42
1,1-Dichloroethene	< 100	ug/L		11/26/2014 05:42
1,2,3-Trichlorobenzene	< 250	ug/L		11/26/2014 05:42
1,2,4-Trichlorobenzene	< 250	ug/L		11/26/2014 05:42
1,2-Dibromo-3-Chloropropane	< 500	ug/L		11/26/2014 05:42
1,2-Dibromoethane	< 100	ug/L		11/26/2014 05:42
1,2-Dichlorobenzene	< 100	ug/L		11/26/2014 05:42
1,2-Dichloroethane	< 100	ug/L		11/26/2014 05:42
1,2-Dichloropropane	< 100	ug/L		11/26/2014 05:42
1,3-Dichlorobenzene	< 100	ug/L		11/26/2014 05:42
1,4-Dichlorobenzene	< 100	ug/L		11/26/2014 05:42
1,4-dioxane	< 1000	ug/L		11/26/2014 05:42
2-Butanone	< 500	ug/L		11/26/2014 05:42
2-Hexanone	< 250	ug/L		11/26/2014 05:42
4-Methyl-2-pentanone	< 250	ug/L		11/26/2014 05:42
Acetone	< 500	ug/L		11/26/2014 05:42
Benzene	< 35.0	ug/L		11/26/2014 05:42
Bromochloromethane	< 250	ug/L		11/26/2014 05:42
Bromodichloromethane	< 100	ug/L		11/26/2014 05:42
Bromoform	< 250	ug/L		11/26/2014 05:42
Bromomethane	< 100	ug/L		11/26/2014 05:42
Carbon disulfide	< 100	ug/L		11/26/2014 05:42
Carbon Tetrachloride	< 100	ug/L		11/26/2014 05:42
Chlorobenzene	< 100	ug/L		11/26/2014 05:42

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-JCL-02_11-24-14
Lab Sample ID: 145133-02 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Chloroethane	< 100	ug/L	11/26/2014	05:42
Chloroform	< 100	ug/L	11/26/2014	05:42
Chloromethane	< 100	ug/L	11/26/2014	05:42
cis-1,2-Dichloroethene	**1860**	ug/L	11/26/2014	05:42
cis-1,3-Dichloropropene	< 100	ug/L	11/26/2014	05:42
Cyclohexane	< 500	ug/L	11/26/2014	05:42
Dibromochloromethane	< 100	ug/L	11/26/2014	05:42
Dichlorodifluoromethane	< 100	ug/L	11/26/2014	05:42
Ethylbenzene	< 100	ug/L	11/26/2014	05:42
Freon 113	< 100	ug/L	11/26/2014	05:42
Isopropylbenzene	< 100	ug/L	11/26/2014	05:42
m,p-Xylene	< 100	ug/L	11/26/2014	05:42
Methyl acetate	< 100	ug/L	11/26/2014	05:42
Methyl tert-butyl Ether	< 100	ug/L	11/26/2014	05:42
Methylcyclohexane	< 100	ug/L	11/26/2014	05:42
Methylene chloride	< 250	ug/L	11/26/2014	05:42
o-Xylene	< 100	ug/L	11/26/2014	05:42
Styrene	< 250	ug/L	11/26/2014	05:42
Tetrachloroethene	**900**	ug/L	11/26/2014	05:42
Toluene	< 100	ug/L	11/26/2014	05:42
trans-1,2-Dichloroethene	< 100	ug/L	11/26/2014	05:42
trans-1,3-Dichloropropene	< 100	ug/L	11/26/2014	05:42
Trichloroethene	**1690**	ug/L	11/26/2014	05:42
Trichlorofluoromethane	< 100	ug/L	11/26/2014	05:42
Vinyl chloride	< 100	ug/L	11/26/2014	05:42

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-JCL-02_11-24-14

Lab Sample ID: 145133-02 **Date Sampled:** 11/24/2014

Matrix: Groundwater **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**103**	85.7 - 112		11/26/2014 05:42
4-Bromofluorobenzene	**99.0**	86.6 - 110		11/26/2014 05:42
Pentafluorobenzene	**103**	94.6 - 106		11/26/2014 05:42
Toluene-D8	**101**	91.8 - 107		11/26/2014 05:42

Method Reference(s): EPA 8260C
EPA 5030

Data File: x18947.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier:	MW-13_11-24-14		
Lab Sample ID:	145133-03	**Date Sampled:**	11/24/2014
Matrix:	Groundwater	**Date Received:**	11/24/2014

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**2.71**	mg/L		12/2/2014 19:01
Manganese	**0.738**	mg/L		12/2/2014 19:01

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 12/1/2014
Data File: 120214b

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-13_11-24-14
Lab Sample ID: 145133-03 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		11/26/2014 05:19
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		11/26/2014 05:19
1,1,2-Trichloroethane	< 2.00	ug/L		11/26/2014 05:19
1,1-Dichloroethane	< 2.00	ug/L		11/26/2014 05:19
1,1-Dichloroethene	< 2.00	ug/L		11/26/2014 05:19
1,2,3-Trichlorobenzene	< 5.00	ug/L		11/26/2014 05:19
1,2,4-Trichlorobenzene	< 5.00	ug/L		11/26/2014 05:19
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		11/26/2014 05:19
1,2-Dibromoethane	< 2.00	ug/L		11/26/2014 05:19
1,2-Dichlorobenzene	< 2.00	ug/L		11/26/2014 05:19
1,2-Dichloroethane	< 2.00	ug/L		11/26/2014 05:19
1,2-Dichloropropane	< 2.00	ug/L		11/26/2014 05:19
1,3-Dichlorobenzene	< 2.00	ug/L		11/26/2014 05:19
1,4-Dichlorobenzene	< 2.00	ug/L		11/26/2014 05:19
1,4-dioxane	< 20.0	ug/L		11/26/2014 05:19
2-Butanone	< 10.0	ug/L		11/26/2014 05:19
2-Hexanone	< 5.00	ug/L		11/26/2014 05:19
4-Methyl-2-pentanone	< 5.00	ug/L		11/26/2014 05:19
Acetone	< 10.0	ug/L		11/26/2014 05:19
Benzene	< 0.700	ug/L		11/26/2014 05:19
Bromochloromethane	< 5.00	ug/L		11/26/2014 05:19
Bromodichloromethane	< 2.00	ug/L		11/26/2014 05:19
Bromoform	< 5.00	ug/L		11/26/2014 05:19
Bromomethane	< 2.00	ug/L		11/26/2014 05:19
Carbon disulfide	< 2.00	ug/L		11/26/2014 05:19
Carbon Tetrachloride	< 2.00	ug/L		11/26/2014 05:19
Chlorobenzene	< 2.00	ug/L		11/26/2014 05:19

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-13_11-24-14
Lab Sample ID: 145133-03 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Chloroethane	< 2.00	ug/L	11/26/2014	05:19
Chloroform	< 2.00	ug/L	11/26/2014	05:19
Chloromethane	< 2.00	ug/L	11/26/2014	05:19
cis-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	05:19
cis-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	05:19
Cyclohexane	< 10.0	ug/L	11/26/2014	05:19
Dibromochloromethane	< 2.00	ug/L	11/26/2014	05:19
Dichlorodifluoromethane	< 2.00	ug/L	11/26/2014	05:19
Ethylbenzene	< 2.00	ug/L	11/26/2014	05:19
Freon 113	< 2.00	ug/L	11/26/2014	05:19
Isopropylbenzene	< 2.00	ug/L	11/26/2014	05:19
m,p-Xylene	< 2.00	ug/L	11/26/2014	05:19
Methyl acetate	< 2.00	ug/L	11/26/2014	05:19
Methyl tert-butyl Ether	< 2.00	ug/L	11/26/2014	05:19
Methylcyclohexane	< 2.00	ug/L	11/26/2014	05:19
Methylene chloride	< 5.00	ug/L	11/26/2014	05:19
o-Xylene	< 2.00	ug/L	11/26/2014	05:19
Styrene	< 5.00	ug/L	11/26/2014	05:19
Tetrachloroethene	< 2.00	ug/L	11/26/2014	05:19
Toluene	< 2.00	ug/L	11/26/2014	05:19
trans-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	05:19
trans-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	05:19
Trichloroethene	< 2.00	ug/L	11/26/2014	05:19
Trichlorofluoromethane	< 2.00	ug/L	11/26/2014	05:19
Vinyl chloride	< 2.00	ug/L	11/26/2014	05:19

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-13_11-24-14

Lab Sample ID: 145133-03 **Date Sampled:** 11/24/2014

Matrix: Groundwater **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**100**	85.7 - 112		11/26/2014 05:19
4-Bromofluorobenzene	**99.5**	86.6 - 110		11/26/2014 05:19
Pentafluorobenzene	**102**	94.6 - 106		11/26/2014 05:19
Toluene-D8	**101**	91.8 - 107		11/26/2014 05:19

Method Reference(s): EPA 8260C
EPA 5030

Data File: x18946.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier:	MW-06_11-24-14		
Lab Sample ID:	145133-04	**Date Sampled:**	11/24/2014
Matrix:	Groundwater	**Date Received:**	11/24/2014

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**5.83**	mg/L		12/2/2014 19:05
Manganese	**8.84**	mg/L		12/2/2014 19:05

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 12/1/2014
Data File: 120214b

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, December 09, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-06_11-24-14
Lab Sample ID: 145133-04 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		11/26/2014 04:55
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		11/26/2014 04:55
1,1,2-Trichloroethane	< 2.00	ug/L		11/26/2014 04:55
1,1-Dichloroethane	< 2.00	ug/L		11/26/2014 04:55
1,1-Dichloroethene	< 2.00	ug/L		11/26/2014 04:55
1,2,3-Trichlorobenzene	< 5.00	ug/L		11/26/2014 04:55
1,2,4-Trichlorobenzene	< 5.00	ug/L		11/26/2014 04:55
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		11/26/2014 04:55
1,2-Dibromoethane	< 2.00	ug/L		11/26/2014 04:55
1,2-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:55
1,2-Dichloroethane	< 2.00	ug/L		11/26/2014 04:55
1,2-Dichloropropane	< 2.00	ug/L		11/26/2014 04:55
1,3-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:55
1,4-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:55
1,4-dioxane	< 20.0	ug/L		11/26/2014 04:55
2-Butanone	< 10.0	ug/L		11/26/2014 04:55
2-Hexanone	< 5.00	ug/L		11/26/2014 04:55
4-Methyl-2-pentanone	< 5.00	ug/L		11/26/2014 04:55
Acetone	< 10.0	ug/L		11/26/2014 04:55
Benzene	< 0.700	ug/L		11/26/2014 04:55
Bromochloromethane	< 5.00	ug/L		11/26/2014 04:55
Bromodichloromethane	< 2.00	ug/L		11/26/2014 04:55
Bromoform	< 5.00	ug/L		11/26/2014 04:55
Bromomethane	< 2.00	ug/L		11/26/2014 04:55
Carbon disulfide	< 2.00	ug/L		11/26/2014 04:55
Carbon Tetrachloride	< 2.00	ug/L		11/26/2014 04:55
Chlorobenzene	< 2.00	ug/L		11/26/2014 04:55

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-06_11-24-14
Lab Sample ID: 145133-04 **Date Sampled:** 11/24/2014
Matrix: Groundwater **Date Received:** 11/24/2014

Chloroethane	< 2.00	ug/L	11/26/2014	04:55
Chloroform	< 2.00	ug/L	11/26/2014	04:55
Chloromethane	< 2.00	ug/L	11/26/2014	04:55
cis-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	04:55
cis-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	04:55
Cyclohexane	< 10.0	ug/L	11/26/2014	04:55
Dibromochloromethane	< 2.00	ug/L	11/26/2014	04:55
Dichlorodifluoromethane	**6.11**	ug/L	11/26/2014	04:55
Ethylbenzene	< 2.00	ug/L	11/26/2014	04:55
Freon 113	< 2.00	ug/L	11/26/2014	04:55
Isopropylbenzene	< 2.00	ug/L	11/26/2014	04:55
m,p-Xylene	< 2.00	ug/L	11/26/2014	04:55
Methyl acetate	< 2.00	ug/L	11/26/2014	04:55
Methyl tert-butyl Ether	< 2.00	ug/L	11/26/2014	04:55
Methylcyclohexane	< 2.00	ug/L	11/26/2014	04:55
Methylene chloride	< 5.00	ug/L	11/26/2014	04:55
o-Xylene	< 2.00	ug/L	11/26/2014	04:55
Styrene	< 5.00	ug/L	11/26/2014	04:55
Tetrachloroethene	**12.8**	ug/L	11/26/2014	04:55
Toluene	< 2.00	ug/L	11/26/2014	04:55
trans-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	04:55
trans-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	04:55
Trichloroethene	< 2.00	ug/L	11/26/2014	04:55
Trichlorofluoromethane	< 2.00	ug/L	11/26/2014	04:55
Vinyl chloride	< 2.00	ug/L	11/26/2014	04:55

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: MW-06_11-24-14

Lab Sample ID: 145133-04 **Date Sampled:** 11/24/2014

Matrix: Groundwater **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**102**	85.7 - 112		11/26/2014 04:55
4-Bromofluorobenzene	**97.0**	86.6 - 110		11/26/2014 04:55
Pentafluorobenzene	**101**	94.6 - 106		11/26/2014 04:55
Toluene-D8	**101**	91.8 - 107		11/26/2014 04:55

Method Reference(s): EPA 8260C
EPA 5030

Data File: x18945.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: Trip Blank (T-579)
Lab Sample ID: 145133-05 **Date Sampled:** 11/24/2014
Matrix: Water **Date Received:** 11/24/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		11/26/2014 04:32
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		11/26/2014 04:32
1,1,2-Trichloroethane	< 2.00	ug/L		11/26/2014 04:32
1,1-Dichloroethane	< 2.00	ug/L		11/26/2014 04:32
1,1-Dichloroethene	< 2.00	ug/L		11/26/2014 04:32
1,2,3-Trichlorobenzene	< 5.00	ug/L		11/26/2014 04:32
1,2,4-Trichlorobenzene	< 5.00	ug/L		11/26/2014 04:32
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		11/26/2014 04:32
1,2-Dibromoethane	< 2.00	ug/L		11/26/2014 04:32
1,2-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:32
1,2-Dichloroethane	< 2.00	ug/L		11/26/2014 04:32
1,2-Dichloropropane	< 2.00	ug/L		11/26/2014 04:32
1,3-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:32
1,4-Dichlorobenzene	< 2.00	ug/L		11/26/2014 04:32
1,4-dioxane	< 20.0	ug/L		11/26/2014 04:32
2-Butanone	< 10.0	ug/L		11/26/2014 04:32
2-Hexanone	< 5.00	ug/L		11/26/2014 04:32
4-Methyl-2-pentanone	< 5.00	ug/L		11/26/2014 04:32
Acetone	< 10.0	ug/L		11/26/2014 04:32
Benzene	< 0.700	ug/L		11/26/2014 04:32
Bromochloromethane	< 5.00	ug/L		11/26/2014 04:32
Bromodichloromethane	< 2.00	ug/L		11/26/2014 04:32
Bromoform	< 5.00	ug/L		11/26/2014 04:32
Bromomethane	< 2.00	ug/L		11/26/2014 04:32
Carbon disulfide	< 2.00	ug/L		11/26/2014 04:32
Carbon Tetrachloride	< 2.00	ug/L		11/26/2014 04:32
Chlorobenzene	< 2.00	ug/L		11/26/2014 04:32

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: Trip Blank (T-579)
Lab Sample ID: 145133-05 **Date Sampled:** 11/24/2014
Matrix: Water **Date Received:** 11/24/2014

Chloroethane	< 2.00	ug/L	11/26/2014	04:32
Chloroform	< 2.00	ug/L	11/26/2014	04:32
Chloromethane	< 2.00	ug/L	11/26/2014	04:32
cis-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	04:32
cis-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	04:32
Cyclohexane	< 10.0	ug/L	11/26/2014	04:32
Dibromochloromethane	< 2.00	ug/L	11/26/2014	04:32
Dichlorodifluoromethane	< 2.00	ug/L	11/26/2014	04:32
Ethylbenzene	< 2.00	ug/L	11/26/2014	04:32
Freon 113	< 2.00	ug/L	11/26/2014	04:32
Isopropylbenzene	< 2.00	ug/L	11/26/2014	04:32
m,p-Xylene	< 2.00	ug/L	11/26/2014	04:32
Methyl acetate	< 2.00	ug/L	11/26/2014	04:32
Methyl tert-butyl Ether	< 2.00	ug/L	11/26/2014	04:32
Methylcyclohexane	< 2.00	ug/L	11/26/2014	04:32
Methylene chloride	< 5.00	ug/L	11/26/2014	04:32
o-Xylene	< 2.00	ug/L	11/26/2014	04:32
Styrene	< 5.00	ug/L	11/26/2014	04:32
Tetrachloroethene	< 2.00	ug/L	11/26/2014	04:32
Toluene	< 2.00	ug/L	11/26/2014	04:32
trans-1,2-Dichloroethene	< 2.00	ug/L	11/26/2014	04:32
trans-1,3-Dichloropropene	< 2.00	ug/L	11/26/2014	04:32
Trichloroethene	< 2.00	ug/L	11/26/2014	04:32
Trichlorofluoromethane	< 2.00	ug/L	11/26/2014	04:32
Vinyl chloride	< 2.00	ug/L	11/26/2014	04:32

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 145133

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-annual Sampling

Sample Identifier: Trip Blank (T-579)
Lab Sample ID: 145133-05 **Date Sampled:** 11/24/2014
Matrix: Water **Date Received:** 11/24/2014

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**106**	85.7 - 112		11/26/2014 04:32
4-Bromofluorobenzene	**101**	86.6 - 110		11/26/2014 04:32
Pentafluorobenzene	**102**	94.6 - 106		11/26/2014 04:32
Toluene-D8	**101**	91.8 - 107		11/26/2014 04:32

Method Reference(s): EPA 8260C
EPA 5030
Data File: x18944.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:

CLIENT: LU Engineers
ADDRESS: 175 Sully's Trail Suite 202
CITY: Pittsford STATE: NY ZIP: 14534
PHONE: 385-7417
ATTN: Eric Detweiler

INVOICE TO:

CLIENT:
ADDRESS:
CITY: STATE: ZIP:
PHONE:
ATTN: SAME

LAB PROJECT ID: 145133
Quotation #:
Email: edetweiler@luengineers.com

PROJECT REFERENCE
Wilkins RY
Bi-annual sampling

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOCs 8260	Fe, Mn	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	11/24/14	12:10		X	MW-03_11-24-14	WG	3	2	1	ASP Cat A	01
2	↓	12:15		X	MW-JCL-02_11-24-14	↓	3	2	1	↓	02
3		12:50		X	MW-13_11-24-14		3	2	1		03
4		13:40		X	MW-06_11-24-14		3	2	1		04
5					TRIP BLANK (T-5X) per label 155 11/24/14						05
6											
7											
8											
9											
10											

5°C iced by samples started in field 1519 hrs 11/24 m custody seals N/A client delivered mellfield 11/24/14

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☒	NYSDEC EDD	☒
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other please indicate: 10 day	☒	Other please indicate:	☐	Other EDD please indicate:	☐

Sampled By: Eric Detweiler	11/24/14	Date/Time
Relinquished By: [signature]	11/24/14 15:05	Date/Time
Received By: [signature]	11/24/14 1505	Date/Time
Received @ Lab By: [signature]	11/24/14 16:23	Date/Time

Total Cost:

P.I.F. ☐

Chain of Custody Supplement

Client: Lu Engineers **Completed by:** Glenn Pezzulo

Lab Project ID: 145133 **Date:** 11/24/14

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X VOA		X
Comments			
Preservation	X		
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	8°C iced by samples started in Field		
Sufficient Sample Quantity	X		
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

Lu Engineers, Inc.

For Lab Project ID

152591

Referencing

Wilkins RV Bi-Annual Sampling

Prepared

Monday, July 06, 2015

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: MW-03
Lab Sample ID: 152591-01 **Date Sampled:** 6/24/2015
Matrix: Groundwater **Date Received:** 6/24/2015

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**16.7**	mg/L		6/29/2015 11:32
Manganese	**29.2**	mg/L		6/29/2015 16:50

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 6/26/2015
Data File: 062915a

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 200	ug/L		6/30/2015 22:01
1,1,2,2-Tetrachloroethane	< 200	ug/L		6/30/2015 22:01
1,1,2-Trichloroethane	< 200	ug/L		6/30/2015 22:01
1,1-Dichloroethane	< 200	ug/L		6/30/2015 22:01
1,1-Dichloroethene	< 200	ug/L		6/30/2015 22:01
1,2,3-Trichlorobenzene	< 500	ug/L		6/30/2015 22:01
1,2,4-Trichlorobenzene	< 500	ug/L		6/30/2015 22:01
1,2-Dibromo-3-Chloropropane	< 1000	ug/L		6/30/2015 22:01
1,2-Dibromoethane	< 200	ug/L		6/30/2015 22:01
1,2-Dichlorobenzene	< 200	ug/L		6/30/2015 22:01
1,2-Dichloroethane	< 200	ug/L		6/30/2015 22:01
1,2-Dichloropropane	< 200	ug/L		6/30/2015 22:01
1,3-Dichlorobenzene	< 200	ug/L		6/30/2015 22:01
1,4-Dichlorobenzene	< 200	ug/L		6/30/2015 22:01
1,4-dioxane	< 2000	ug/L		6/30/2015 22:01
2-Butanone	< 1000	ug/L		6/30/2015 22:01
2-Hexanone	< 500	ug/L		6/30/2015 22:01
4-Methyl-2-pentanone	< 500	ug/L		6/30/2015 22:01
Acetone	< 1000	ug/L		6/30/2015 22:01
Benzene	< 100	ug/L		6/30/2015 22:01
Bromochloromethane	< 500	ug/L		6/30/2015 22:01

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: MW-03
Lab Sample ID: 152591-01 **Date Sampled:** 6/24/2015
Matrix: Groundwater **Date Received:** 6/24/2015

Bromodichloromethane	< 200	ug/L	6/30/2015	22:01
Bromoform	< 500	ug/L	6/30/2015	22:01
Bromomethane	< 200	ug/L	6/30/2015	22:01
Carbon disulfide	< 200	ug/L	6/30/2015	22:01
Carbon Tetrachloride	< 200	ug/L	6/30/2015	22:01
Chlorobenzene	< 200	ug/L	6/30/2015	22:01
Chloroethane	< 200	ug/L	6/30/2015	22:01
Chloroform	< 200	ug/L	6/30/2015	22:01
Chloromethane	< 200	ug/L	6/30/2015	22:01
cis-1,2-Dichloroethene	**3030**	ug/L	6/30/2015	22:01
cis-1,3-Dichloropropene	< 200	ug/L	6/30/2015	22:01
Cyclohexane	< 1000	ug/L	6/30/2015	22:01
Dibromochloromethane	< 200	ug/L	6/30/2015	22:01
Dichlorodifluoromethane	< 200	ug/L	6/30/2015	22:01
Ethylbenzene	< 200	ug/L	6/30/2015	22:01
Freon 113	< 200	ug/L	6/30/2015	22:01
Isopropylbenzene	< 200	ug/L	6/30/2015	22:01
m,p-Xylene	< 200	ug/L	6/30/2015	22:01
Methyl acetate	< 200	ug/L	6/30/2015	22:01
Methyl tert-butyl Ether	< 200	ug/L	6/30/2015	22:01
Methylcyclohexane	< 200	ug/L	6/30/2015	22:01
Methylene chloride	< 500	ug/L	6/30/2015	22:01
o-Xylene	< 200	ug/L	6/30/2015	22:01
Styrene	< 500	ug/L	6/30/2015	22:01
Tetrachloroethene	**2840**	ug/L	6/30/2015	22:01
Toluene	< 200	ug/L	6/30/2015	22:01
trans-1,2-Dichloroethene	< 200	ug/L	6/30/2015	22:01
trans-1,3-Dichloropropene	< 200	ug/L	6/30/2015	22:01
Trichloroethene	**2830**	ug/L	6/30/2015	22:01
Trichlorofluoromethane	< 200	ug/L	6/30/2015	22:01
Vinyl chloride	< 200	ug/L	6/30/2015	22:01

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: MW-03
Lab Sample ID: 152591-01 **Date Sampled:** 6/24/2015
Matrix: Groundwater **Date Received:** 6/24/2015

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**132**	82.3 - 115	*	6/30/2015 22:01
4-Bromofluorobenzene	**89.5**	85.5 - 111		6/30/2015 22:01
Pentafluorobenzene	**101**	91.2 - 107		6/30/2015 22:01
Toluene-D8	**96.4**	90.9 - 108		6/30/2015 22:01

Method Reference(s): EPA 8260C
EPA 5030
Data File: x24245.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: MW-JCL-02
Lab Sample ID: 152591-02 **Date Sampled:** 6/24/2015
Matrix: Groundwater **Date Received:** 6/24/2015

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**22.7**	mg/L		6/29/2015 11:36
Manganese	**6.65**	mg/L		6/29/2015 11:36

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 6/26/2015
Data File: 062915a

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 100	ug/L		6/30/2015 21:37
1,1,2,2-Tetrachloroethane	< 100	ug/L		6/30/2015 21:37
1,1,2-Trichloroethane	< 100	ug/L		6/30/2015 21:37
1,1-Dichloroethane	< 100	ug/L		6/30/2015 21:37
1,1-Dichloroethene	< 100	ug/L		6/30/2015 21:37
1,2,3-Trichlorobenzene	< 250	ug/L		6/30/2015 21:37
1,2,4-Trichlorobenzene	< 250	ug/L		6/30/2015 21:37
1,2-Dibromo-3-Chloropropane	< 500	ug/L		6/30/2015 21:37
1,2-Dibromoethane	< 100	ug/L		6/30/2015 21:37
1,2-Dichlorobenzene	< 100	ug/L		6/30/2015 21:37
1,2-Dichloroethane	< 100	ug/L		6/30/2015 21:37
1,2-Dichloropropane	< 100	ug/L		6/30/2015 21:37
1,3-Dichlorobenzene	< 100	ug/L		6/30/2015 21:37
1,4-Dichlorobenzene	< 100	ug/L		6/30/2015 21:37
1,4-dioxane	< 1000	ug/L		6/30/2015 21:37
2-Butanone	< 500	ug/L		6/30/2015 21:37
2-Hexanone	< 250	ug/L		6/30/2015 21:37
4-Methyl-2-pentanone	< 250	ug/L		6/30/2015 21:37
Acetone	< 500	ug/L		6/30/2015 21:37
Benzene	< 50.0	ug/L		6/30/2015 21:37
Bromochloromethane	< 250	ug/L		6/30/2015 21:37

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier:	MW-JCL-02		
Lab Sample ID:	152591-02	**Date Sampled:**	6/24/2015
Matrix:	Groundwater	**Date Received:**	6/24/2015

Bromodichloromethane	< 100	ug/L		6/30/2015	21:37
Bromoform	< 250	ug/L		6/30/2015	21:37
Bromomethane	< 100	ug/L		6/30/2015	21:37
Carbon disulfide	< 100	ug/L		6/30/2015	21:37
Carbon Tetrachloride	< 100	ug/L		6/30/2015	21:37
Chlorobenzene	< 100	ug/L		6/30/2015	21:37
Chloroethane	< 100	ug/L		6/30/2015	21:37
Chloroform	< 100	ug/L		6/30/2015	21:37
Chloromethane	< 100	ug/L		6/30/2015	21:37
cis-1,2-Dichloroethene	**3120**	ug/L		6/30/2015	21:37
cis-1,3-Dichloropropene	< 100	ug/L		6/30/2015	21:37
Cyclohexane	< 500	ug/L		6/30/2015	21:37
Dibromochloromethane	< 100	ug/L		6/30/2015	21:37
Dichlorodifluoromethane	**68.5**	ug/L	J	6/30/2015	21:37
Ethylbenzene	< 100	ug/L		6/30/2015	21:37
Freon 113	< 100	ug/L		6/30/2015	21:37
Isopropylbenzene	< 100	ug/L		6/30/2015	21:37
m,p-Xylene	< 100	ug/L		6/30/2015	21:37
Methyl acetate	< 100	ug/L		6/30/2015	21:37
Methyl tert-butyl Ether	< 100	ug/L		6/30/2015	21:37
Methylcyclohexane	< 100	ug/L		6/30/2015	21:37
Methylene chloride	< 250	ug/L		6/30/2015	21:37
o-Xylene	< 100	ug/L		6/30/2015	21:37
Styrene	< 250	ug/L		6/30/2015	21:37
Tetrachloroethene	**2080**	ug/L		6/30/2015	21:37
Toluene	< 100	ug/L		6/30/2015	21:37
trans-1,2-Dichloroethene	< 100	ug/L		6/30/2015	21:37
trans-1,3-Dichloropropene	< 100	ug/L		6/30/2015	21:37
Trichloroethene	**2790**	ug/L		6/30/2015	21:37
Trichlorofluoromethane	< 100	ug/L		6/30/2015	21:37
Vinyl chloride	< 100	ug/L		6/30/2015	21:37

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: MW-JCL-02

Lab Sample ID: 152591-02 **Date Sampled:** 6/24/2015

Matrix: Groundwater **Date Received:** 6/24/2015

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**133**	82.3 - 115	*	6/30/2015 21:37
4-Bromofluorobenzene	**89.4**	85.5 - 111		6/30/2015 21:37
Pentafluorobenzene	**98.6**	91.2 - 107		6/30/2015 21:37
Toluene-D8	**95.4**	90.9 - 108		6/30/2015 21:37

Method Reference(s): EPA 8260C
EPA 5030

Data File: x24244.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: MW-06
Lab Sample ID: 152591-03 **Date Sampled:** 6/24/2015
Matrix: Groundwater **Date Received:** 6/24/2015

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**27.7**	mg/L		6/29/2015 11:41
Manganese	**18.2**	mg/L		6/29/2015 16:54

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 6/26/2015
Data File: 062915a

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		6/30/2015 21:14
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		6/30/2015 21:14
1,1,2-Trichloroethane	< 2.00	ug/L		6/30/2015 21:14
1,1-Dichloroethane	< 2.00	ug/L		6/30/2015 21:14
1,1-Dichloroethene	< 2.00	ug/L		6/30/2015 21:14
1,2,3-Trichlorobenzene	< 5.00	ug/L		6/30/2015 21:14
1,2,4-Trichlorobenzene	< 5.00	ug/L		6/30/2015 21:14
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		6/30/2015 21:14
1,2-Dibromoethane	< 2.00	ug/L		6/30/2015 21:14
1,2-Dichlorobenzene	< 2.00	ug/L		6/30/2015 21:14
1,2-Dichloroethane	< 2.00	ug/L		6/30/2015 21:14
1,2-Dichloropropane	< 2.00	ug/L		6/30/2015 21:14
1,3-Dichlorobenzene	< 2.00	ug/L		6/30/2015 21:14
1,4-Dichlorobenzene	< 2.00	ug/L		6/30/2015 21:14
1,4-dioxane	< 20.0	ug/L		6/30/2015 21:14
2-Butanone	< 10.0	ug/L		6/30/2015 21:14
2-Hexanone	< 5.00	ug/L		6/30/2015 21:14
4-Methyl-2-pentanone	< 5.00	ug/L		6/30/2015 21:14
Acetone	< 10.0	ug/L		6/30/2015 21:14
Benzene	< 1.00	ug/L		6/30/2015 21:14
Bromochloromethane	< 5.00	ug/L		6/30/2015 21:14

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier:	MW-06		
Lab Sample ID:	152591-03	**Date Sampled:**	6/24/2015
Matrix:	Groundwater	**Date Received:**	6/24/2015

Bromodichloromethane	< 2.00	ug/L		6/30/2015	21:14
Bromoform	< 5.00	ug/L		6/30/2015	21:14
Bromomethane	< 2.00	ug/L		6/30/2015	21:14
Carbon disulfide	< 2.00	ug/L		6/30/2015	21:14
Carbon Tetrachloride	< 2.00	ug/L		6/30/2015	21:14
Chlorobenzene	< 2.00	ug/L		6/30/2015	21:14
Chloroethane	< 2.00	ug/L		6/30/2015	21:14
Chloroform	**2.92**	ug/L		6/30/2015	21:14
Chloromethane	< 2.00	ug/L		6/30/2015	21:14
cis-1,2-Dichloroethene	< 2.00	ug/L		6/30/2015	21:14
cis-1,3-Dichloropropene	< 2.00	ug/L		6/30/2015	21:14
Cyclohexane	< 10.0	ug/L		6/30/2015	21:14
Dibromochloromethane	< 2.00	ug/L		6/30/2015	21:14
Dichlorodifluoromethane	**19.3**	ug/L		6/30/2015	21:14
Ethylbenzene	< 2.00	ug/L		6/30/2015	21:14
Freon 113	< 2.00	ug/L		6/30/2015	21:14
Isopropylbenzene	< 2.00	ug/L		6/30/2015	21:14
m,p-Xylene	< 2.00	ug/L		6/30/2015	21:14
Methyl acetate	< 2.00	ug/L		6/30/2015	21:14
Methyl tert-butyl Ether	< 2.00	ug/L		6/30/2015	21:14
Methylcyclohexane	< 2.00	ug/L		6/30/2015	21:14
Methylene chloride	< 5.00	ug/L		6/30/2015	21:14
o-Xylene	< 2.00	ug/L		6/30/2015	21:14
Styrene	< 5.00	ug/L		6/30/2015	21:14
Tetrachloroethene	**10.1**	ug/L		6/30/2015	21:14
Toluene	< 2.00	ug/L		6/30/2015	21:14
trans-1,2-Dichloroethene	< 2.00	ug/L		6/30/2015	21:14
trans-1,3-Dichloropropene	< 2.00	ug/L		6/30/2015	21:14
Trichloroethene	**1.94**	ug/L	J	6/30/2015	21:14
Trichlorofluoromethane	< 2.00	ug/L		6/30/2015	21:14
Vinyl chloride	< 2.00	ug/L		6/30/2015	21:14

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: MW-06

Lab Sample ID: 152591-03 **Date Sampled:** 6/24/2015

Matrix: Groundwater **Date Received:** 6/24/2015

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**129**	82.3 - 115	*	6/30/2015 21:14
4-Bromofluorobenzene	**90.8**	85.5 - 111		6/30/2015 21:14
Pentafluorobenzene	**98.8**	91.2 - 107		6/30/2015 21:14
Toluene-D8	**92.6**	90.9 - 108		6/30/2015 21:14

Method Reference(s): EPA 8260C
EPA 5030

Data File: x24243.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: MW-13
Lab Sample ID: 152591-04 **Date Sampled:** 6/24/2015
Matrix: Groundwater **Date Received:** 6/24/2015

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Iron	**3.34**	mg/L		6/29/2015 11:45
Manganese	**0.699**	mg/L		6/29/2015 11:45

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 6/26/2015
Data File: 062915a

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		6/30/2015 20:50
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		6/30/2015 20:50
1,1,2-Trichloroethane	< 2.00	ug/L		6/30/2015 20:50
1,1-Dichloroethane	< 2.00	ug/L		6/30/2015 20:50
1,1-Dichloroethene	< 2.00	ug/L		6/30/2015 20:50
1,2,3-Trichlorobenzene	< 5.00	ug/L		6/30/2015 20:50
1,2,4-Trichlorobenzene	< 5.00	ug/L		6/30/2015 20:50
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		6/30/2015 20:50
1,2-Dibromoethane	< 2.00	ug/L		6/30/2015 20:50
1,2-Dichlorobenzene	< 2.00	ug/L		6/30/2015 20:50
1,2-Dichloroethane	< 2.00	ug/L		6/30/2015 20:50
1,2-Dichloropropane	< 2.00	ug/L		6/30/2015 20:50
1,3-Dichlorobenzene	< 2.00	ug/L		6/30/2015 20:50
1,4-Dichlorobenzene	< 2.00	ug/L		6/30/2015 20:50
1,4-dioxane	< 20.0	ug/L		6/30/2015 20:50
2-Butanone	< 10.0	ug/L		6/30/2015 20:50
2-Hexanone	< 5.00	ug/L		6/30/2015 20:50
4-Methyl-2-pentanone	< 5.00	ug/L		6/30/2015 20:50
Acetone	< 10.0	ug/L		6/30/2015 20:50
Benzene	< 1.00	ug/L		6/30/2015 20:50
Bromochloromethane	< 5.00	ug/L		6/30/2015 20:50

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier:	MW-13		
Lab Sample ID:	152591-04	**Date Sampled:**	6/24/2015
Matrix:	Groundwater	**Date Received:**	6/24/2015

Bromodichloromethane	< 2.00	ug/L	6/30/2015	20:50
Bromoform	< 5.00	ug/L	6/30/2015	20:50
Bromomethane	< 2.00	ug/L	6/30/2015	20:50
Carbon disulfide	< 2.00	ug/L	6/30/2015	20:50
Carbon Tetrachloride	< 2.00	ug/L	6/30/2015	20:50
Chlorobenzene	< 2.00	ug/L	6/30/2015	20:50
Chloroethane	< 2.00	ug/L	6/30/2015	20:50
Chloroform	< 2.00	ug/L	6/30/2015	20:50
Chloromethane	< 2.00	ug/L	6/30/2015	20:50
cis-1,2-Dichloroethene	< 2.00	ug/L	6/30/2015	20:50
cis-1,3-Dichloropropene	< 2.00	ug/L	6/30/2015	20:50
Cyclohexane	< 10.0	ug/L	6/30/2015	20:50
Dibromochloromethane	< 2.00	ug/L	6/30/2015	20:50
Dichlorodifluoromethane	< 2.00	ug/L	6/30/2015	20:50
Ethylbenzene	< 2.00	ug/L	6/30/2015	20:50
Freon 113	< 2.00	ug/L	6/30/2015	20:50
Isopropylbenzene	< 2.00	ug/L	6/30/2015	20:50
m,p-Xylene	< 2.00	ug/L	6/30/2015	20:50
Methyl acetate	< 2.00	ug/L	6/30/2015	20:50
Methyl tert-butyl Ether	< 2.00	ug/L	6/30/2015	20:50
Methylcyclohexane	< 2.00	ug/L	6/30/2015	20:50
Methylene chloride	< 5.00	ug/L	6/30/2015	20:50
o-Xylene	< 2.00	ug/L	6/30/2015	20:50
Styrene	< 5.00	ug/L	6/30/2015	20:50
Tetrachloroethene	< 2.00	ug/L	6/30/2015	20:50
Toluene	< 2.00	ug/L	6/30/2015	20:50
trans-1,2-Dichloroethene	< 2.00	ug/L	6/30/2015	20:50
trans-1,3-Dichloropropene	< 2.00	ug/L	6/30/2015	20:50
Trichloroethene	< 2.00	ug/L	6/30/2015	20:50
Trichlorofluoromethane	< 2.00	ug/L	6/30/2015	20:50
Vinyl chloride	< 2.00	ug/L	6/30/2015	20:50

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: MW-13

Lab Sample ID: 152591-04 **Date Sampled:** 6/24/2015

Matrix: Groundwater **Date Received:** 6/24/2015

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**132**	82.3 - 115	*	6/30/2015 20:50
4-Bromofluorobenzene	**90.6**	85.5 - 111		6/30/2015 20:50
Pentafluorobenzene	**99.5**	91.2 - 107		6/30/2015 20:50
Toluene-D8	**97.1**	90.9 - 108		6/30/2015 20:50

Method Reference(s): EPA 8260C
EPA 5030

Data File: x24242.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: Trip Blank (T-636)
Lab Sample ID: 152591-05 **Date Sampled:** 6/24/2015
Matrix: Water **Date Received:** 6/24/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		7/1/2015 15:31
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		7/1/2015 15:31
1,1,2-Trichloroethane	< 2.00	ug/L		7/1/2015 15:31
1,1-Dichloroethane	< 2.00	ug/L		7/1/2015 15:31
1,1-Dichloroethene	< 2.00	ug/L		7/1/2015 15:31
1,2,3-Trichlorobenzene	< 5.00	ug/L		7/1/2015 15:31
1,2,4-Trichlorobenzene	< 5.00	ug/L		7/1/2015 15:31
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		7/1/2015 15:31
1,2-Dibromoethane	< 2.00	ug/L		7/1/2015 15:31
1,2-Dichlorobenzene	< 2.00	ug/L		7/1/2015 15:31
1,2-Dichloroethane	< 2.00	ug/L		7/1/2015 15:31
1,2-Dichloropropane	< 2.00	ug/L		7/1/2015 15:31
1,3-Dichlorobenzene	< 2.00	ug/L		7/1/2015 15:31
1,4-Dichlorobenzene	< 2.00	ug/L		7/1/2015 15:31
1,4-dioxane	< 20.0	ug/L		7/1/2015 15:31
2-Butanone	< 10.0	ug/L		7/1/2015 15:31
2-Hexanone	< 5.00	ug/L		7/1/2015 15:31
4-Methyl-2-pentanone	< 5.00	ug/L		7/1/2015 15:31
Acetone	< 10.0	ug/L		7/1/2015 15:31
Benzene	< 1.00	ug/L		7/1/2015 15:31
Bromochloromethane	< 5.00	ug/L		7/1/2015 15:31
Bromodichloromethane	< 2.00	ug/L		7/1/2015 15:31
Bromoform	< 5.00	ug/L		7/1/2015 15:31
Bromomethane	< 2.00	ug/L		7/1/2015 15:31
Carbon disulfide	< 2.00	ug/L		7/1/2015 15:31
Carbon Tetrachloride	< 2.00	ug/L		7/1/2015 15:31
Chlorobenzene	< 2.00	ug/L		7/1/2015 15:31
Chloroethane	< 2.00	ug/L		7/1/2015 15:31
Chloroform	< 2.00	ug/L		7/1/2015 15:31

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 152591

Client: **Lu Engineers, Inc.**

Project Reference: Wilkins RV Bi-Annual Sampling

Sample Identifier: Trip Blank (T-636)
Lab Sample ID: 152591-05 **Date Sampled:** 6/24/2015
Matrix: Water **Date Received:** 6/24/2015

Chloromethane	< 2.00	ug/L	7/1/2015	15:31
cis-1,2-Dichloroethene	< 2.00	ug/L	7/1/2015	15:31
cis-1,3-Dichloropropene	< 2.00	ug/L	7/1/2015	15:31
Cyclohexane	< 10.0	ug/L	7/1/2015	15:31
Dibromochloromethane	< 2.00	ug/L	7/1/2015	15:31
Dichlorodifluoromethane	< 2.00	ug/L	7/1/2015	15:31
Ethylbenzene	< 2.00	ug/L	7/1/2015	15:31
Freon 113	< 2.00	ug/L	7/1/2015	15:31
Isopropylbenzene	< 2.00	ug/L	7/1/2015	15:31
m,p-Xylene	< 2.00	ug/L	7/1/2015	15:31
Methyl acetate	< 2.00	ug/L	7/1/2015	15:31
Methyl tert-butyl Ether	< 2.00	ug/L	7/1/2015	15:31
Methylcyclohexane	< 2.00	ug/L	7/1/2015	15:31
Methylene chloride	< 5.00	ug/L	7/1/2015	15:31
o-Xylene	< 2.00	ug/L	7/1/2015	15:31
Styrene	< 5.00	ug/L	7/1/2015	15:31
Tetrachloroethene	< 2.00	ug/L	7/1/2015	15:31
Toluene	< 2.00	ug/L	7/1/2015	15:31
trans-1,2-Dichloroethene	< 2.00	ug/L	7/1/2015	15:31
trans-1,3-Dichloropropene	< 2.00	ug/L	7/1/2015	15:31
Trichloroethene	< 2.00	ug/L	7/1/2015	15:31
Trichlorofluoromethane	< 2.00	ug/L	7/1/2015	15:31
Vinyl chloride	< 2.00	ug/L	7/1/2015	15:31

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**100**	82.3 - 115		7/1/2015	15:31
4-Bromofluorobenzene	**90.6**	85.5 - 111		7/1/2015	15:31
Pentafluorobenzene	**101**	91.2 - 107		7/1/2015	15:31
Toluene-D8	**98.6**	90.9 - 108		7/1/2015	15:31

Method Reference(s): EPA 8260C
EPA 5030
Data File: x24272.D

Report Prepared Monday, July 06, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client:	**Lu Engineers, Inc.**
Project Reference:	Wilkins RV Bi-Annual Sampling
Lab Project ID:	152591
SDG #:	2591-01
Matrix:	Groundwater

Metals

Analyte	Result	Units	Qualifier	Date Analyzed	
Iron	<0.100	mg/L		6/29/2015	11:20
Manganese	<0.0150	mg/L		6/29/2015	11:20

Method Reference(s):	EPA 6010C
	EPA 3005
Preparation Date:	6/26/2015
Data File:	062915a
QC Batch ID:	QC150626water
QC Number:	1

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: Lu Engineers, Inc.

Project Reference: Wilkins RV Bi-Annual Sampling

Lab Project ID: 152591

SDG #: 2591-01

Matrix: Groundwater

Metals

Analyte	LCS Added	LCSD Added	Spike Units	LCS Result	LCSD Result	LCS % Recovery	LCSD % Recovery	% Rec Limits	LCS Outliers	LCSD Outliers	Relative % Difference	RPD Limit	RPD Outliers	Date Analyzed
Iron	2.50	2.50	mg/L	2.48	2.45	99.1	98.1	85 - 115			1.05	20		6/29/2015
Manganese	1.00	1.00	mg/L	0.993	0.997	99.3	99.7	85 - 115			0.331	20		6/29/2015

Method Reference(s): EPA 6010C
EPA 3005
Preparation Date: 6/26/2015
Data File: 062915a
QC Number: 1
QC Batch ID: QC150626water

Report Prepared Tuesday, June 30, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: Lu Engineers, Inc.
Project Reference: Wilkins RV Bi-Annual Sampling
Lab Project ID: 152591
SDG #: 2591-01
Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	<2.00	ug/L		6/30/2015	15:45
1,1,2,2-Tetrachloroethane	<2.00	ug/L		6/30/2015	15:45
1,1,2-Trichloroethane	<2.00	ug/L		6/30/2015	15:45
1,1-Dichloroethane	<2.00	ug/L		6/30/2015	15:45
1,1-Dichloroethene	<2.00	ug/L		6/30/2015	15:45
1,2,3-Trichlorobenzene	<5.00	ug/L		6/30/2015	15:45
1,2,4-Trichlorobenzene	<5.00	ug/L		6/30/2015	15:45
1,2-Dibromo-3-Chloropropane	<10.0	ug/L		6/30/2015	15:45
1,2-Dibromoethane	<2.00	ug/L		6/30/2015	15:45
1,2-Dichlorobenzene	<2.00	ug/L		6/30/2015	15:45
1,2-Dichloroethane	<2.00	ug/L		6/30/2015	15:45
1,2-Dichloropropane	<2.00	ug/L		6/30/2015	15:45
1,3-Dichlorobenzene	<2.00	ug/L		6/30/2015	15:45
1,4-Dichlorobenzene	<2.00	ug/L		6/30/2015	15:45
1,4-dioxane	<20.0	ug/L		6/30/2015	15:45
2-Butanone	<10.0	ug/L		6/30/2015	15:45
2-Hexanone	<5.00	ug/L		6/30/2015	15:45
4-Methyl-2-pentanone	<5.00	ug/L		6/30/2015	15:45
Acetone	<10.0	ug/L		6/30/2015	15:45
Benzene	<1.00	ug/L		6/30/2015	15:45
Bromochloromethane	<5.00	ug/L		6/30/2015	15:45
Bromodichloromethane	<2.00	ug/L		6/30/2015	15:45
Bromoform	<5.00	ug/L		6/30/2015	15:45
Bromomethane	<2.00	ug/L		6/30/2015	15:45
Carbon disulfide	<2.00	ug/L		6/30/2015	15:45
Carbon Tetrachloride	<2.00	ug/L		6/30/2015	15:45
Chlorobenzene	<2.00	ug/L		6/30/2015	15:45
Chloroethane	<2.00	ug/L		6/30/2015	15:45

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: Lu Engineers, Inc.

Project Reference: Wilkins RV Bi-Annual Sampling

Lab Project ID: 152591

SDG #: 2591-01

Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
Chloroform	<2.00	ug/L		6/30/2015	15:45
Chloromethane	<2.00	ug/L		6/30/2015	15:45
cis-1,2-Dichloroethene	<2.00	ug/L		6/30/2015	15:45
cis-1,3-Dichloropropene	<2.00	ug/L		6/30/2015	15:45
Cyclohexane	<10.0	ug/L		6/30/2015	15:45
Dibromochloromethane	<2.00	ug/L		6/30/2015	15:45
Dichlorodifluoromethane	<2.00	ug/L		6/30/2015	15:45
Ethylbenzene	<2.00	ug/L		6/30/2015	15:45
Freon 113	<2.00	ug/L		6/30/2015	15:45
Isopropylbenzene	<2.00	ug/L		6/30/2015	15:45
m,p-Xylene	<2.00	ug/L		6/30/2015	15:45
Methyl acetate	<2.00	ug/L		6/30/2015	15:45
Methyl tert-butyl Ether	<2.00	ug/L		6/30/2015	15:45
Methylcyclohexane	<2.00	ug/L		6/30/2015	15:45
Methylene chloride	<5.00	ug/L		6/30/2015	15:45
o-Xylene	<2.00	ug/L		6/30/2015	15:45
Styrene	<5.00	ug/L		6/30/2015	15:45
Tetrachloroethene	<2.00	ug/L		6/30/2015	15:45
Toluene	<2.00	ug/L		6/30/2015	15:45
trans-1,2-Dichloroethene	<2.00	ug/L		6/30/2015	15:45
trans-1,3-Dichloropropene	<2.00	ug/L		6/30/2015	15:45
Trichloroethene	<2.00	ug/L		6/30/2015	15:45
Trichlorofluoromethane	<2.00	ug/L		6/30/2015	15:45
Vinyl chloride	<2.00	ug/L		6/30/2015	15:45

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: Lu Engineers, Inc.

Project Reference: Wilkins RV Bi-Annual Sampling

Lab Project ID: 152591

SDG #: 2591-01

Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**
1,2-Dichloroethane-d4	**112**	82.3 - 115		6/30/2015 15:45
4-Bromofluorobenzene	**90.5**	85.5 - 111		6/30/2015 15:45
Pentafluorobenzene	**102**	91.2 - 107		6/30/2015 15:45
Toluene-D8	**95.2**	90.9 - 108		6/30/2015 15:45

Method Reference(s): EPA 8260C
EPA 5030

Data File: x24229.D

QC Batch ID: voaw063015

QC Number: 1

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Lu Engineers, Inc.
Project Reference: Wilkins RV Bi-Annual Sampling
Lab Project ID: 152591
SDG #: 2591-01
Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/L	20.1	101	77.9 - 120		6/30/2015
1,1,2,2-Tetrachloroethane	20.0	ug/L	19.9	99.3	81.7 - 119		6/30/2015
1,1,2-Trichloroethane	20.0	ug/L	18.8	93.9	79.6 - 115		6/30/2015
1,1-Dichloroethane	20.0	ug/L	20.2	101	84.5 - 114		6/30/2015
1,1-Dichloroethene	20.0	ug/L	21.8	109	71.3 - 125		6/30/2015
1,2-Dichlorobenzene	20.0	ug/L	19.1	95.6	82.6 - 119		6/30/2015
1,2-Dichloroethane	20.0	ug/L	21.6	108	79.7 - 120		6/30/2015
1,2-Dichloropropane	20.0	ug/L	18.3	91.7	84.5 - 114		6/30/2015
1,3-Dichlorobenzene	20.0	ug/L	17.5	87.3	77.8 - 115		6/30/2015
1,4-Dichlorobenzene	20.0	ug/L	17.7	88.5	76.7 - 114		6/30/2015
Benzene	20.0	ug/L	19.4	97.1	85.6 - 120		6/30/2015
Bromodichloromethane	20.0	ug/L	20.3	101	78.4 - 118		6/30/2015
Bromoform	20.0	ug/L	17.5	87.6	59.9 - 114		6/30/2015
Bromomethane	20.0	ug/L	17.5	87.5	59.1 - 170		6/30/2015
Carbon Tetrachloride	20.0	ug/L	20.8	104	71.9 - 124		6/30/2015

Report Prepared Monday, July 06, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Lu Engineers, Inc.
Project Reference: Wilkins RV Bi-Annual Sampling
Lab Project ID: 152591
SDG #: 2591-01
Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Chlorobenzene	20.0	ug/L	18.3	91.5	81.9 - 115		6/30/2015
Chloroethane	20.0	ug/L	19.9	99.3	74.1 - 134		6/30/2015
Chloroform	20.0	ug/L	19.9	99.6	84.1 - 117		6/30/2015
Chloromethane	20.0	ug/L	19.6	98.2	79.4 - 129		6/30/2015
cis-1,3-Dichloropropene	20.0	ug/L	21.6	108	89.6 - 123		6/30/2015
Dibromochloromethane	20.0	ug/L	19.7	98.3	64.8 - 121		6/30/2015
Ethylbenzene	20.0	ug/L	19.1	95.4	83.4 - 117		6/30/2015
Methylene chloride	20.0	ug/L	17.7	88.4	71.9 - 127		6/30/2015
Tetrachloroethene	20.0	ug/L	18.3	91.6	72.6 - 130		6/30/2015
Toluene	20.0	ug/L	18.7	93.7	84.3 - 117		6/30/2015
trans-1,2-Dichloroethene	20.0	ug/L	20.7	103	74.7 - 129		6/30/2015
trans-1,3-Dichloropropene	20.0	ug/L	20.8	104	68 - 118		6/30/2015
Trichloroethene	20.0	ug/L	19.1	95.4	84.1 - 117		6/30/2015
Trichlorofluoromethane	20.0	ug/L	21.5	108	72.2 - 133		6/30/2015
Vinyl chloride	20.0	ug/L	19.6	97.8	79.7 - 134		6/30/2015

Report Prepared Monday, July 06, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Lu Engineers, Inc.
Project Reference: Wilkins RV Bi-Annual Sampling
Lab Project ID: 152591
SDG #: 2591-01
Matrix: Groundwater

Volatile Organics

Analyte		Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Method Reference(s):	EPA 8260C EPA 5030							
Data File:	x24228.D							
QC Number:	1							
QC Batch ID:	voaw063015							

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: Lu Engineers, Inc.

Project Reference: Wilkins RV Bi-Annual Sampling

Lab Project ID: 152591

SDG #: 2591-01

Matrix: Water

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	<2.00	ug/L		7/1/2015	15:07
1,1,2,2-Tetrachloroethane	<2.00	ug/L		7/1/2015	15:07
1,1,2-Trichloroethane	<2.00	ug/L		7/1/2015	15:07
1,1-Dichloroethane	<2.00	ug/L		7/1/2015	15:07
1,1-Dichloroethene	<2.00	ug/L		7/1/2015	15:07
1,2,3-Trichlorobenzene	<5.00	ug/L		7/1/2015	15:07
1,2,4-Trichlorobenzene	<5.00	ug/L		7/1/2015	15:07
1,2-Dibromo-3-Chloropropane	<10.0	ug/L		7/1/2015	15:07
1,2-Dibromoethane	<2.00	ug/L		7/1/2015	15:07
1,2-Dichlorobenzene	<2.00	ug/L		7/1/2015	15:07
1,2-Dichloroethane	<2.00	ug/L		7/1/2015	15:07
1,2-Dichloropropane	<2.00	ug/L		7/1/2015	15:07
1,3-Dichlorobenzene	<2.00	ug/L		7/1/2015	15:07
1,4-Dichlorobenzene	<2.00	ug/L		7/1/2015	15:07
1,4-dioxane	<20.0	ug/L		7/1/2015	15:07
2-Butanone	<10.0	ug/L		7/1/2015	15:07
2-Hexanone	<5.00	ug/L		7/1/2015	15:07
4-Methyl-2-pentanone	<5.00	ug/L		7/1/2015	15:07
Acetone	<10.0	ug/L		7/1/2015	15:07
Benzene	<1.00	ug/L		7/1/2015	15:07
Bromochloromethane	<5.00	ug/L		7/1/2015	15:07
Bromodichloromethane	<2.00	ug/L		7/1/2015	15:07
Bromoform	<5.00	ug/L		7/1/2015	15:07
Bromomethane	<2.00	ug/L		7/1/2015	15:07
Carbon disulfide	<2.00	ug/L		7/1/2015	15:07
Carbon Tetrachloride	<2.00	ug/L		7/1/2015	15:07
Chlorobenzene	<2.00	ug/L		7/1/2015	15:07
Chloroethane	<2.00	ug/L		7/1/2015	15:07

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: Lu Engineers, Inc.

Project Reference: Wilkins RV Bi-Annual Sampling

Lab Project ID: 152591

SDG #: 2591-01

Matrix: Water

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
Chloroform	<2.00	ug/L		7/1/2015	15:07
Chloromethane	<2.00	ug/L		7/1/2015	15:07
cis-1,2-Dichloroethene	<2.00	ug/L		7/1/2015	15:07
cis-1,3-Dichloropropene	<2.00	ug/L		7/1/2015	15:07
Cyclohexane	<10.0	ug/L		7/1/2015	15:07
Dibromochloromethane	<2.00	ug/L		7/1/2015	15:07
Dichlorodifluoromethane	<2.00	ug/L		7/1/2015	15:07
Ethylbenzene	<2.00	ug/L		7/1/2015	15:07
Freon 113	<2.00	ug/L		7/1/2015	15:07
Isopropylbenzene	<2.00	ug/L		7/1/2015	15:07
m,p-Xylene	<2.00	ug/L		7/1/2015	15:07
Methyl acetate	<2.00	ug/L		7/1/2015	15:07
Methyl tert-butyl Ether	<2.00	ug/L		7/1/2015	15:07
Methylcyclohexane	<2.00	ug/L		7/1/2015	15:07
Methylene chloride	<5.00	ug/L		7/1/2015	15:07
o-Xylene	<2.00	ug/L		7/1/2015	15:07
Styrene	<5.00	ug/L		7/1/2015	15:07
Tetrachloroethene	<2.00	ug/L		7/1/2015	15:07
Toluene	<2.00	ug/L		7/1/2015	15:07
trans-1,2-Dichloroethene	<2.00	ug/L		7/1/2015	15:07
trans-1,3-Dichloropropene	<2.00	ug/L		7/1/2015	15:07
Trichloroethene	<2.00	ug/L		7/1/2015	15:07
Trichlorofluoromethane	<2.00	ug/L		7/1/2015	15:07
Vinyl chloride	<2.00	ug/L		7/1/2015	15:07

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: Lu Engineers, Inc.

Project Reference: Wilkins RV Bi-Annual Sampling

Lab Project ID: 152591

SDG #: 2591-01

Matrix: Water

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**
1,2-Dichloroethane-d4	**96.1**	82.3 - 115		7/1/2015 15:07
4-Bromofluorobenzene	**91.7**	85.5 - 111		7/1/2015 15:07
Pentafluorobenzene	**102**	91.2 - 107		7/1/2015 15:07
Toluene-D8	**97.9**	90.9 - 108		7/1/2015 15:07

Method Reference(s): EPA 8260C
EPA 5030

Data File: x24271.D

QC Batch ID: voaasp070115

QC Number: 1

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Lu Engineers, Inc.

Project Reference: Wilkins RV Bi-Annual Sampling

Lab Project ID: 152591

SDG #: 2591-01

Matrix: Water

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/L	19.5	97.5	77.9 - 120		7/1/2015
1,1,2,2-Tetrachloroethane	20.0	ug/L	19.8	98.9	81.7 - 119		7/1/2015
1,1,2-Trichloroethane	20.0	ug/L	19.1	95.6	79.6 - 115		7/1/2015
1,1-Dichloroethane	20.0	ug/L	19.9	99.5	84.5 - 114		7/1/2015
1,1-Dichloroethene	20.0	ug/L	20.1	101	71.3 - 125		7/1/2015
1,2-Dichlorobenzene	20.0	ug/L	21.3	106	82.6 - 119		7/1/2015
1,2-Dichloroethane	20.0	ug/L	19.5	97.7	79.7 - 120		7/1/2015
1,2-Dichloropropane	20.0	ug/L	20.4	102	84.5 - 114		7/1/2015
1,3-Dichlorobenzene	20.0	ug/L	20.6	103	77.8 - 115		7/1/2015
1,4-Dichlorobenzene	20.0	ug/L	19.9	99.3	76.7 - 114		7/1/2015
Benzene	20.0	ug/L	21.2	106	85.6 - 120		7/1/2015
Bromodichloromethane	20.0	ug/L	20.1	101	78.4 - 118		7/1/2015
Bromoform	20.0	ug/L	19.4	97.1	59.9 - 114		7/1/2015
Bromomethane	20.0	ug/L	25.2	126	59.1 - 170		7/1/2015
Carbon Tetrachloride	20.0	ug/L	19.4	97.2	71.9 - 124		7/1/2015

Report Prepared Monday, July 06, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Lu Engineers, Inc.

Project Reference: Wilkins RV Bi-Annual Sampling

Lab Project ID: 152591

SDG #: 2591-01

Matrix: Water

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Chlorobenzene	20.0	ug/L	21.1	105	81.9 - 115		7/1/2015
Chloroethane	20.0	ug/L	21.5	108	74.1 - 134		7/1/2015
Chloroform	20.0	ug/L	20.3	102	84.1 - 117		7/1/2015
Chloromethane	20.0	ug/L	19.3	96.6	79.4 - 129		7/1/2015
cis-1,3-Dichloropropene	20.0	ug/L	23.3	117	89.6 - 123		7/1/2015
Dibromochloromethane	20.0	ug/L	20.0	99.9	64.8 - 121		7/1/2015
Ethylbenzene	20.0	ug/L	21.5	108	83.4 - 117		7/1/2015
Methylene chloride	20.0	ug/L	20.1	101	71.9 - 127		7/1/2015
Tetrachloroethene	20.0	ug/L	21.2	106	72.6 - 130		7/1/2015
Toluene	20.0	ug/L	21.0	105	84.3 - 117		7/1/2015
trans-1,2-Dichloroethene	20.0	ug/L	20.6	103	74.7 - 129		7/1/2015
trans-1,3-Dichloropropene	20.0	ug/L	21.0	105	68 - 118		7/1/2015
Trichloroethene	20.0	ug/L	20.6	103	84.1 - 117		7/1/2015
Trichlorofluoromethane	20.0	ug/L	19.1	95.6	72.2 - 133		7/1/2015
Vinyl chloride	20.0	ug/L	21.0	105	79.7 - 134		7/1/2015

Report Prepared Monday, July 06, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: Lu Engineers, Inc.

Project Reference: Wilkins RV Bi-Annual Sampling

Lab Project ID: 152591

SDG #: 2591-01

Matrix: Water

Volatile Organics

Analyte			Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
	Method Reference(s):	EPA 8260C EPA 5030							
	Data File:	x24270.D							
	QC Number:	1							
	QC Batch ID:	voaasp070115							

Report Prepared Monday, July 06, 2015

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:			INVOICE TO:			
CLIENT: LU Engineers			CLIENT:			LAB PROJECT ID: 152591
ADDRESS: 175 Sully's Trail Suite 202			ADDRESS:			Quotation #:
CITY: Pittsford	STATE: NY	ZIP: 14534	CITY: Same	STATE:	ZIP:	
PHONE: 385-7417			PHONE:			Email: cbak@luengineers.com
ATTN: Greg Andrus			ATTN:			

PROJECT REFERENCE: Wilkins RV

Bi-annual Samplings

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOCs 8260	Fe, Mn	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/24/15	1130			MW-03	WG	3	2	1	ASP CAT A	01
2	↓	12			MW-JKL-02	↓	3	2	1		02
3		1300			MW-06		3	2	1		03
4		14:00			MW-13		3	2	1		04
5	✓	—			Trip Blank (CT-636)	WA	1	1			05
6	per TB policy CP 6/24/15				per sample label CP 6/24/15	per TS policy CP 6/24/15					
7											
8											
9											
10											

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☑	NYSDEC EDD	☑
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other please indicate: 10 day	☒	Other please indicate:	☐	Other EDD please indicate:	☐

Casey Bak	6/24/15 3:45	Total Cost:
Sampled By	Date/Time	
Casey Bak	6/24/15 3:45	
Relinquished By	Date/Time	
Jamie J Dalois	6/24/15 1545	
Received By	Date/Time	P.I.F.
AP2	6/24/15 16:43	
Received @ Lab By	Date/Time	

11 °C iced started in field 6/24/15 16:02

Custody Seals N/A, Samples delivered by client. CP 6/24/15

Chain of Custody Supplement

Client: Lu Engineers

Completed by: Glenn Pezzulo

Lab Project ID: 152591

Date: 6/24/15

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X VOA		X
Comments			
Preservation	X		
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X Metals
Comments	11°C iced started in field		
Sufficient Sample Quantity	X		
Comments			

D - Institutional and Engineering Controls Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00658**

Site Name Churchville Ford, Inc.

Site Address: 111 South Main Street Zip Code: 14428
City/Town: Churchville
County: Monroe
Site Acreage: 6.0

Reporting Period: July 07, 2014 to July 07, 2015

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☒	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☒	☐
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☒	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. V00658 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
143.17-1-50	BLW Properties of Churchville, LLC.	Ground Water Use Restriction Landuse Restriction Site Management Plan

1. Site use is limited to Commercial and industrial uses.
2. Groundwater use is prohibited.
3. Compliance with a Site Management Plan is required.
4. Periodic certifications are required.
5. The Site and associated institutional controls apply to a 6-acre portion of a 16-acre parcel.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
143.17-1-50	Vapor Mitigation Cover System

1. Cover system consisting primarily of asphalt pavement and the building slab.
2. Sub-slab depressurization system.
3. The Site and associated engineering controls apply to a 6-acre portion of a 16-acre parcel.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00658

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Robert Hutteman (print name) at 175 Sullys Trail, Pittsford, NY 14534 (print business address)

am certifying as Lu Engineers, Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

09-08-15
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Robert Hutteman (print name) at 175 Sullys Trail Pittsford, NY 14534 (print business address)

am certifying as a Professional Engineer for the LU ENGINEERS - REMEDIAL PARTY (Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

09-08-15

Date

Bargain and Sale Deed with Covenant against Grantor's Acts - Individual or Corporation
Record and Return to:

Underberg & Kessler, LLP
300 Bausch & Lomb Place
Rochester, NY 14604
(Box 102 – EJR)

THIS INDENTURE, made the 5th day of November, Two Thousand and Fourteen

BETWEEN

BLACK CREEK LAND DEVELOPMENT, LLC, 7520 State Route 415, Bath, New York 14810, Grantor, and

BLW PROPERTIES OF CHURCHVILLE, LLC, 7520 State Route 415, Bath, New York 14810, Grantee,

WITNESSETH that Grantor, in consideration of One Dollar ($1.00) lawful money of the United States and other good and valuable consideration, paid by Grantee, does hereby grant and release unto the Grantee, the heirs or successors and assigns of Grantee forever,

All that tract or parcel of land situate in the Village of Churchville, Town of Riga, County of Monroe, State of New York and being more particularly described as follows:

BEGINNING at a point in the centerline of South Main Street, said point also being the northeast corner of lands now or formerly owned by Christopher & Lisa Steubing as filed in the Monroe County Clerk's Office in Liber 10523 of Deeds at Page 127;

Thence South 87 16'56"West in the north line of Steubing a distance of 367.62 feet to an iron pin;

Thence South 01 16'45"East in the west line of Steubing a distance of 472.03 feet to an iron pin;

Thence South 88 16'00"West in the south line of lands of Black Creek Land Development, LLC as filed in Liber 11108 of Deeds at Page 154 a distance of 864.14 feet to an iron pin;

Thence through lands of Black Creek Land Development, LLC the following calls: North 01 16'45"West a distance of 501.58 feet to an iron pin, North 88 16'00"East a distance of 836.12 feet to an iron pin;

Thence North 87 16'56"East in the south line of lands now or formerly owned by Churchville Housing De. Fund Corp. as filed in Liber 10288 of Deeds at Page 619 a distance of 396.02 feet to a point in the centerline of South Main Street;

Thence South 00 34'12"East in the centerline of South Main Street a distance of 30.04 feet to the POINT AND PLACE OF BEGINNING

BEING 10.204 ACRES

Subject to all covenants, easements and restrictions of record affecting said premises, if any.

Being and hereby intending to convey a portion of the same premises conveyed to the Grantor by deed recorded in the Monroe County Clerk's Office in Liber 11108 of Deeds, page 154.

Tax Account No.: A portion of 143.17-1-52

Property Address: A portion of 97 South Main Street, Village of Churchville, Town of Riga, County of Monroe, State of New York 14428

Tax Mailing Address: 7520 State Route 415, Bath, New York 14810

TOGETHER with all right, title and interest, if any, of Grantor in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of Grantor in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto Grantee, the heirs or successors and assigns forever.

AND Grantor covenants that he has not done or suffered anything whereby the said premises have been encumbered in any way whatsoever, except as aforesaid.

AND that in Compliance with Sec. 13 of the Lien Law, Grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

This conveyance is not intended to defraud creditors and will not render Grantor insolvent.

The words "Grantor" or "Grantee" shall be construed as if it read "Grantors" or "Grantees" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, Grantor has executed this indenture on the day and year first above written.

IN PRESENCE OF:

BLACK CREEK LAND DEVELOPMENT, LLC

BY: _____
Its: Brian Wilkins, Member

STATE OF NEW YORK
COUNTY OF MONROE SS.:

On the 25th day of November, 2014, before me, personally appeared BRIAN WILKINS personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public

EDMUND J. RUSSELL III
Notary Public, State of New York
Monroe County
Commission Expires Feb 14, 2017

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Churchville Ford, Inc. **DEC Site ID No.** V00658

II. Contact Information of Person Submitting Notification:

Name: Eric Detweiler - Lu Engineers

Address1: 175 Sully's Trail, Suite 202, Pittsford, NY, 14534

Address2:

Phone: (585)385-7417 ext.227 E-mail: edetweiler@luengineers.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

☐ Change in Ownership or Change in Remedial Party(ies)

☐ Transfer of Certificate of Completion (CoC)

☑ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): January 2015

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

To merge current 6.094-acre Site parcel (Tax parcel I.D.# 143.17-1-50) with adjoining 10.204-acre parcel ~~located immediately north of the Site (Tax parcel I.D.# 143-17-1-52). The new Site parcel will be 16.298-~~ acres and will maintain Tax parcel I.D.# 143.17-1-50. Ownership of the Site is not changing. See attached ~~Deed for description of 10.204 acre parcel and attached survey maps. A new single deed is being written~~ for the newly merged 16-acre parcel (143.17-1-50) and will be sent as soon as it is available.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

Ownership of the Site is not changing. This change will not affect the ongoing Site monitoring/inspection program currently in place and outlined in the approved SMP. The change will not affect the Engineering or Institutional Controls established for and implemented at the Site. The existing Deed Restriction for the ~~current 6.094-acre parcel, attached to this Notification as "Corrective Declaration of Covenants and~~ Restrictions," will remain in full force and effect and shall continue to apply to the 6.094-acre parcel after the ~~merger of that parcel with the adjourning 10.204-acre parcel. The Deed Restriction will not apply to the~~ 10.204-acre parcel before or after the merger.

V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ _____
(Signature) (Date)

NOT APPLICABLE
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: NOT APPLICABLE

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ _____
(Signature) (Date)

NOT APPLICABLE
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

MONROE COUNTY CLERK'S OFFICE

ROCHESTER,NY

THIS IS NOT A BILL. THIS IS YOUR RECEIPT

Receipt # 1166043

Index DEEDS

Book 11473 Page 667

No. Pages : 4

Instrument DEED OTHER

Date : 11/26/2014

Time : 04:13:06PM

Control # 201411260761

TT # TT0000006551

Ref 1 #

Employee : TracyC

Return To:
UNDERBERG & KESSLER LLP
300 BAUSCH & LOMB PLACE
ROCHESTER,NY 14604-

BLACK CREEK LAND DEVELOPMENT LLC

BLW PROPERTIES OF CHURCHVILLE LLC

COUNTY FEE TP584	$	5.00
MISCELLANEOUS COUNTY FEE	$	0.00
COUNTY FEE NUMBER PAGES	$	15.00
RECORDING FEE	$	45.00
RP5217 COUNTY FEE	$	9.00
RP5217 STATE EQUAL ADDIT FEE	$	241.00
STATE FEE TRANSFER TAX	$	0.00

Total $ 315.00

State of New York

MONROE COUNTY CLERK'S OFFICE

WARNING - THIS SHEET CONSTITUTES THE CLERKS ENDORSEMENT, REQUIRED BY SECTION 317-a(5) & SECTION 319 OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH OR REMOVE.

CHERYL DINOLFO

MONROE COUNTY CLERK

TRANSFER AMT

TRANSFER AMT $1.00

PI182-201411260761-4

RECORDED

Bargain and Sale Deed with Covenant against Grantor's Acts - Individual or Corporation
Record and Return to:

Underberg & Kessler, LLP
300 Bausch & Lomb Place
Rochester, NY 14604
(Box 102 – EJR)

2014 NOV 26 PM 4:18
MONROE COUNTY CLERK

THIS INDENTURE, made the 12th day of November, Two Thousand and Fourteen

BETWEEN

BLACK CREEK LAND DEVELOPMENT, LLC, 7520 State Route 415, Bath, New York 14810, Grantor, and

BLW PROPERTIES OF CHURCHVILLE, LLC, 7520 State Route 415, Bath, New York 14810, Grantee,

WITNESSETH that Grantor, in consideration of One Dollar ($1.00) lawful money of the United States and other good and valuable consideration, paid by Grantee, does hereby grant and release unto the Grantee, the heirs or successors and assigns of Grantee forever,

All that tract or parcel of land situate in the Village of Churchville, Town of Riga, County of Monroe, State of New York and being more particularly described as follows:

BEGINNING at a point in the centerline of South Main Street, said point also being the northeast corner of lands now or formerly owned by Christopher & Lisa Steubing as filed in the Monroe County Clerk's Office in Liber 10523 of Deeds at Page 127;

Thence South 87 16'56"West in the north line of Steubing a distance of 367.62 feet to an iron pin;

Thence South 01 16'45"East in the west line of Steubing a distance of 472.03 feet to an iron pin;

Thence South 88 16'00"West in the south line of lands of Black Creek Land Development, LLC as filed in Liber 11108 of Deeds at Page 154 a distance of 864.14 feet to an iron pin;

Thence through lands of Black Creek Land Development, LLC the following calls: North 01 16'45"West a distance of 501.58 feet to an iron pin, North 88 16'00"East a distance of 836.12 feet to an iron pin;

Thence North 87 16'56"East in the south line of lands now or formerly owned by Churchville Housing De. Fund Corp. as filed in Liber 10288 of Deeds at Page 619 a distance of 396.02 feet to a point in the centerline of South Main Street;

Thence South 00 34'12"East in the centerline of South Main Street a distance of 30.04 feet to the POINT AND PLACE OF BEGINNING

BEING 10.204 ACRES

Subject to all covenants, easements and restrictions of record affecting said premises, if any.

Being and hereby intending to convey a portion of the same premises conveyed to the Grantor by deed recorded in the Monroe County Clerk's Office in Liber 11108 of Deeds, page 154.

Tax Account No.: A portion of 143.17-1-52

Property Address: A portion of 97 South Main Street, Village of Churchville, Town of Riga, County of Monroe, State of New York 14428

Tax Mailing Address: 7520 State Route 415, Bath, New York 14810

TOGETHER with all right, title and interest, if any, of Grantor in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of Grantor in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto Grantee, the heirs or successors and assigns forever.

AND Grantor covenants that he has not done or suffered anything whereby the said premises have been encumbered in any way whatsoever, except as aforesaid.

AND that in Compliance with Sec. 13 of the Lien Law, Grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

This conveyance is not intended to defraud creditors and will not render Grantor insolvent.

The words "Grantor" or "Grantee" shall be construed as if it read "Grantors" or "Grantees" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, Grantor has executed this indenture on the day and year first above written.

IN PRESENCE OF:

BLACK CREEK LAND DEVELOPMENT, LLC

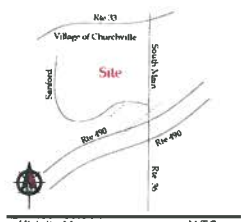
BY: _____
Its: Brian Wilkins, Member

STATE OF NEW YORK
COUNTY OF MONROE SS.:

On the 25th day of November, 2014, before me, personally appeared BRIAN WILKINS personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public

EDMUND J. RUSSELL III
Notary Public, State of New York
Monroe County
Commission Expires Feb 14, 2017



Vicinity Map N.T.S.

Deed Reference:
EHR-Dale Farms, LP to Black Creek Land Development, LLC by Deed filed April 6, 2012 in Liber 11108 of Deeds at Page 154.

Meyers at Churchville LLC to BLW Properties of Churchville, LLC by Deed filed Dec. 2, 2011 in Liber 11068 of Deeds at Page 575.

Abstract Reference:
This survey is subject to any facts an updated abstract of title may reveal.

Map Reference:
Portion of the Ehrmentraut Farm by Marques & Associates, PC as Project No. 2011050.

MONUMENTATION NOTES

SECONDARY STATION
LONG (NYS HARN)
1969 CGS
43 15' 22.63591" North
77 41' 49.19185" West
ELEVATION = 309.70'

PRIMARY STATION
RIDGECREST (NYS HARN)
1969 CGS
43 12' 32.75591" North
77 26' 22.02805" West
ELEVATION = 459.16'

THE HORIZONTAL DATUM IS REFERENCED TO NAD 1983 NEW YORK STATE PLANE COORDINATE SYSTEM, WESTERN ZONE, TRANSVERSE MERCATOR PROJECTION, THROUGH CONTROL TIES TO THE MONUMENTS LISTED HEREON WITH AN INDICATED ACCURACY OF 1:10,000 OR GREATER

COMBINED SCALE FACTOR 1.000011

This plat is approved in accordance with the provisions of Section 239-K, Article 12-B of the General Municipal Law and/or the Monroe County Monumentation Law. A separate approval is required for site construction:

- GRID BEARINGS
- GROUND DISTANCES

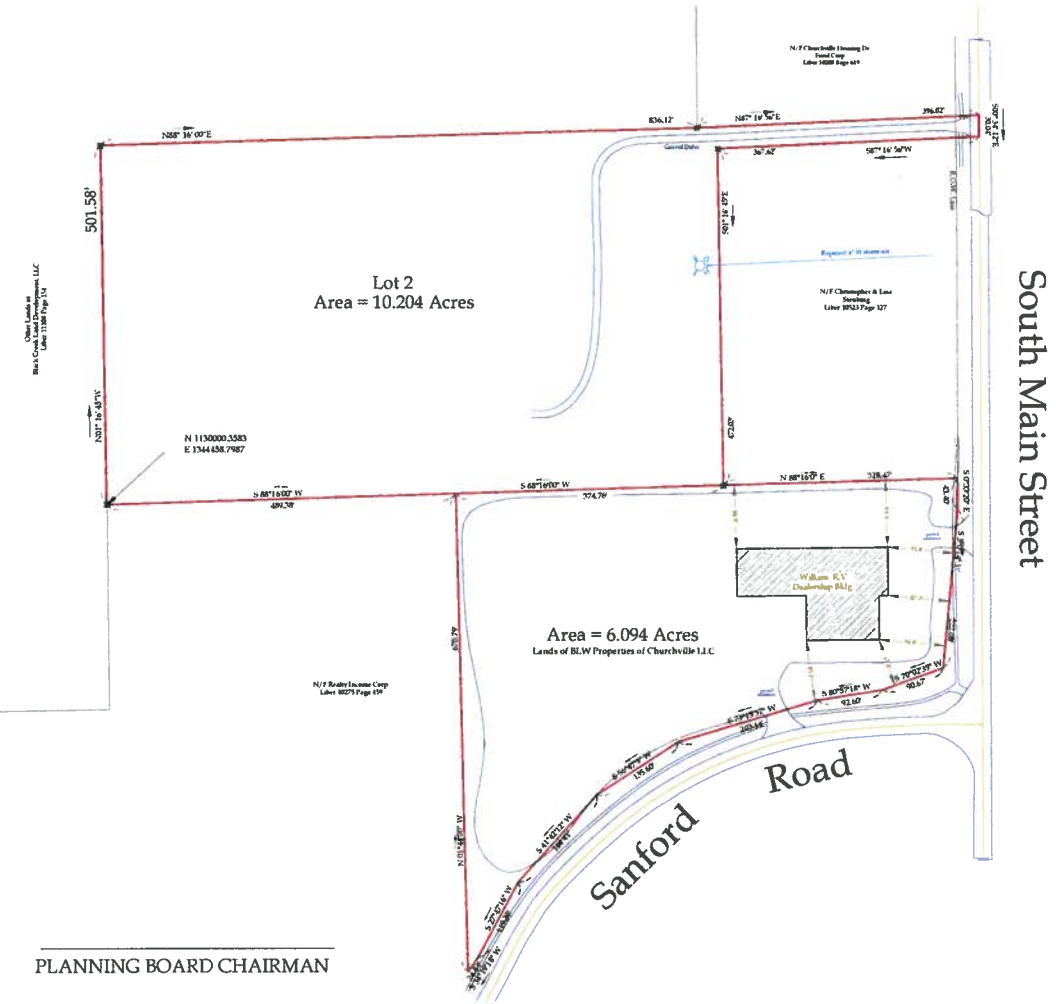
Monroe County Surveyor's Office Date

I THE UNDERSIGNED TREASURER OF MONROE COUNTY, PURSUANT TO SECT. 334 OF THE REAL PROPERTY LAW CERTIFY THAT AS OF MONROE

R.P.T.S.A. MAP NO.

FILED IN M.C.C.O. @ LIBER _____ OF MAPS, PG. _____

PLANNING BOARD CHAIRMAN



* Unauthorized alteration or addition to a map bearing a Licensed Professional Engineer's or Professional Land Surveyor's seal in any way is a Violation of Section 7209

* Copyright 2014* Venezia & Associates. All rights reserved unauthorized duplication is a violation of all applicable laws*

Legend

Revisions			
NO	Date	Description	By

This is to certify that I am a Licensed Land Surveyor and that this plan was completed on October 30, 2014 from notes of an instrument survey performed on October 28, 2014.

Rocco A. Venezia
License No. 049761 signed

1" = 80'

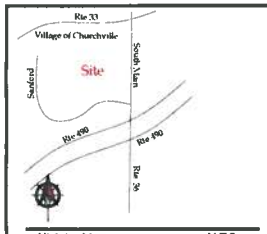
Subdivision Plat prepared for: BLW Properties of Churchville, LLC

T.M. Parcel 143.17-1-52
File 14123

Showing Land
In
Town Lot 52

Village of Churchville Town of Riga County of Monroe State of New York

VENEZIA
LAND SURVEYORS AND CIVIL ENGINEERS
5120 Laura Lane Canandaigua New York, 14424
www.veneziasurvey.com (585)396-3267 Fax No. (585) 396-0131 E-mail rocco@veneziasurvey.com



Vicinity Map N.T.S.

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This survey is subject to any facts an updated abstract of title may reveal.

Map Reference:
Portion of the Ehrmentraut Farm by Marques & Associates, PC as Project No. 2011050.

MONUMENTATION NOTES

SECONDARY STATION
LONG (NYS HARN)
1969 CGS
43 15' 22.63591" North
77 41' 49.19185" West
ELEVATION = 309.70'

PRIMARY STATION
RIDGECREST (NYS HARN)
1969 CGS
43 12' 32.75591" North
77 26' 22.02805" West
ELEVATION = 459.16'

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COMBINED SCALE FACTOR 1.000011

This plat is approved in accordance with the provisions of Section 239-K, Article 12-B of the General Municipal Law and/or the Monroe County Monumentation Law. A separate approval is required for site construction.

– GRID BEARINGS
–GROUND DISTANCES

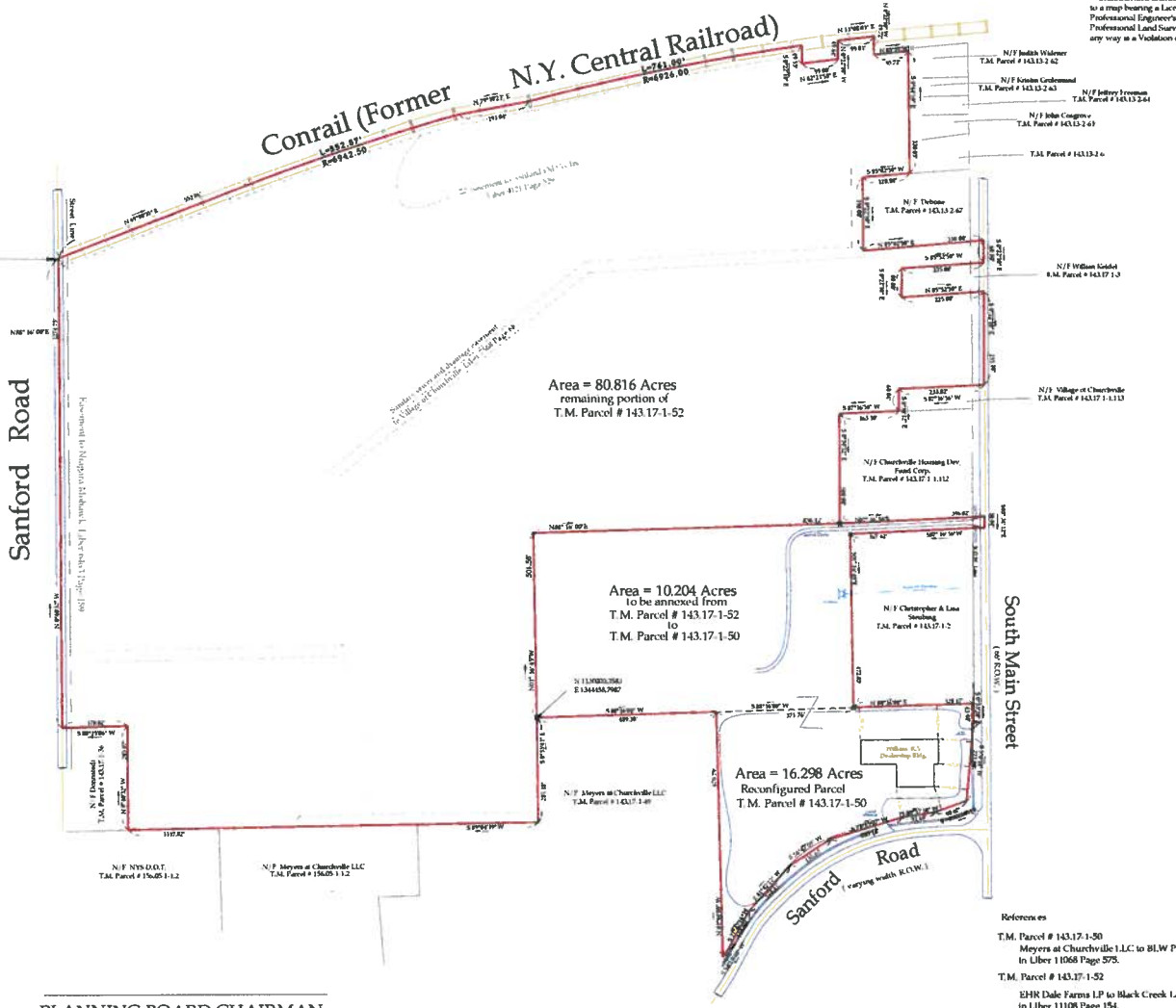
Monroe County Surveyor's Office Date

I THE UNDERSIGNED TREASURER OF MONROE COUNTY, PURSUANT TO SECT. 334 OF THE REAL PROPERTY Law, CERTIFY THAT ALL MONROE

R.P.T.S.A. MAP NO.

FILED IN M.C.C.O. @ LIBER _____
OF MAPS, PG. _____

PLANNING BOARD CHAIRMAN



References

T.M. Parcel # 143.17-1-50
Meyers at Churchville LLC to BLW Properties of Churchville LLC by deed filed in Liber 11068 Page 575.

T.M. Parcel # 143.17-1-52
EHR Dale Farms LP to Black Creek Land Development LLC by deed filed in in Liber 11108 Page 154.

Map of a portion of the Ehrmentraut Farm by Marques and Associates, P.C. dated Dec. 2, 2011.

Legend

Revisions			
NO	Date	Description	By

This is to certify that I am a Licensed Land Surveyor and that this plan was completed on 11/4/14 from notes of an instrument survey performed on 6/4/14 & 9/10/14 & 10/28/2014

Rocco A. Venezia
License No. 049761 signed

RE-Subdivision Plat prepared for:

Black Creek Land Development, LLC & BLW Properties of Churchville, LLC

Showing Land
In
Town Lot 52

Village of Churchville Town of Riga County of Monroe State of New York

1" = 150'
T.M. Parcel 143.17-1-52
T.M. Parcel 143.17-1-50
File 14123

VENEZIA
LAND SURVEYORS AND CIVIL ENGINEERS
5120 Laura Lane Canandaigua New York, 14424
www.veneziasurvey.com (585)396-3267 Fax. No. (585) 396-0131 E-mail rocco@veneziasurvey.com

MONROE COUNTY CLERK'S OFFICE

ROCHESTER, NY

THIS IS NOT A BILL. THIS IS YOUR RECEIPT

Receipt # 599296

Index DEEDS

Book 11046 Page 11

No. Pages : 5

Instrument DECLARATION OF RESTRICTION AND COVENANTS

Date : 09/27/2011

Time : 10:08:49AM

Control # 201109270318

TT # TT0000002803

Ref 1 #

Employee : RebeccaZ

Return To:
BOX 14 1/2
WFD
-

MEYERS AT CHURCHVILLE LLC

COUNTY FEE TP584	$	5.00
MISCELLANEOUS COUNTY FEE	$	0.00
COUNTY FEE NUMBER PAGES	$	20.00
RECORDING FEE	$	45.00
STATE FEE TRANSFER TAX	$	0.00

Total $ 70.00

State of New York

MONROE COUNTY CLERK'S OFFICE

WARNING - THIS SHEET CONSTITUTES THE CLERKS ENDORSEMENT, REQUIRED BY SECTION 317-a(5) & SECTION 319 OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH OR REMOVE.

TRANSFER AMT

TRANSFER AMT $1.00

CHERYL DINOLFO

MONROE COUNTY CLERK

PI182-201109270318-5

Box 1446 WNSD

CORRECTIVE DECLARATION of COVENANTS and RESTRICTIONS

THIS COVENANT is made the 26th day of September, 2011, by Meyer's at Churchville, LLC, a New York limited liability corporation and having an office for the transaction of business at 111 South Main Street, Churchville, New York 14428.

WHEREAS, the former Churchville Ford Site is the subject of a Voluntary Cleanup Agreement executed by Joseph Ognibene and Antonio Gabriele as part of the New York State Department of Environmental Conservation's (the "Department's") Voluntary Cleanup Program, namely that parcel of real property located on 111 South Main Street in the Town of Riga in the Village of Churchville, County of Monroe, State of New York, which is part of lands conveyed by Joseph Ognibene and Antonio Gabriele to Meyer's at Churchville, LLC by deed dated April 23, 2004 and recorded in the Monroe County Clerk's Office in Liber 9947 of Deeds, Page 428 and being more particularly described in Appendix "A", attached to this declaration and made a part hereof, and hereinafter referred to as "the Property"; and

WHEREAS, the Department approved a remedy to eliminate or mitigate all significant threats to the environment presented by the contamination disposed at the Property and such remedy requires that the Property be subject to restrictive covenants.

NOW, THEREFORE, Meyer's at Churchville, LLC, for itself and its successors and/or assigns, covenants that:

First, the Property subject to this Declaration of Covenants and Restrictions is as shown on a map attached to this declaration as Appendix "B" and made a part hereof.

Second, unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, where contamination remains at the Property subject to the provisions of the Site Management Plan ("SMP"), there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results in unacceptable human exposure to contaminated soils.

Third, the owner of the Property shall not disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls required for the Remedy, which are described in the SMP, unless in each instance the owner first obtains a written waiver of such prohibition from the Department or Relevant Agency.

Fourth, the owner of the Property shall prohibit the Property from ever being used for purposes other than for commercial and/or industrial use without the express written waiver of such prohibition by the Department or Relevant Agency.

Fifth, the owner of the Property shall prohibit the use of the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as

5592357.1

appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency.

Sixth, the owner of the Property shall provide a periodic certification, prepared and submitted by a professional engineer or environmental professional acceptable to the Department or Relevant Agency, which will certify that the institutional and engineering controls put in place are unchanged from the previous certification, comply with the SMP, and have not been impaired.

Seventh, the owner of the Property shall continue in full force and effect any institutional and engineering controls required for the Remedy and maintain such controls, unless the owner first obtains permission to discontinue such controls from the Department or Relevant Agency, in compliance with the approved SMP, which is incorporated and made enforceable hereto, subject to modifications as approved by the Department or Relevant Agency.

Eighth, this Declaration is and shall be deemed a covenant that shall run with the land, and shall be binding upon all future owners of the Property, and shall provide that the owner and its successors and assigns consent to enforcement by the Department or Relevant Agency of the prohibitions and restrictions that the Voluntary Cleanup Agreement requires to be recorded, and hereby covenant not to contest the authority of the Department or Relevant Agency to seek enforcement.

Ninth, any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Department or Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

THE SOLE PURPOSE OF THIS DOCUMENT IS TO CORRECTLY RECITE THE NAME OF THE GRANTOR FROM MEYER'S OF CHURCHVILLE, LLC TO MEYER'S AT CHURCHVILLE, LLC. RECORDED IN BOOK 11045 page 117 ON 09/28/11

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below.

MEYER'S AT CHURCHVILLE, LLC

By: _____
Mark D. Meyer, Sole Member and Manager

STATE OF NEW YORK)
COUNTY OF MONROE) ss.:

On the 26th day of September, in the year 2011, before me, the undersigned, personally appeared Mark D. Meyer, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public

WAYNE F. DeHOND
Notary Public, State of New York
No. 02DE0903433
Qualified in Monroe County
Commission Expires November 30, 2013

SURVEY DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in part of Lot 52, Township 2, Range 2, West Pultney Tract, Phelps & Gorham Purchase, Village of Churchville, County of Monroe, and State of New York and more particularly described as follows:

Beginning at a point on the north line of N.Y.S.D.O.T. Acquisition Map No. 2061, Parcel No. 2061 by deed on file in the Monroe County Clerk's Office in Liber 10214 of Deeds, page 89 said point being the southeast corner of Lot 1 of the Meyers Subdivision by map on file in the Monroe County Clerk's office in Liber 326 of Maps, page 56, thence;

1) N 01°44'00" W and along the east line of said Lot 1 of the Meyers Subdivision, a distance of 670.79 feet to a point being the northeast corner thereof, thence;

2) N 88°16'00" E a distance of 703.23 feet to a point on the west right-of-way line of South Main Street (N.Y.S, Route 36) (66' R.O.W.), thence;

3) S 00°33'20" E and along the said west right-of-way line of South Main Street, a distance of 43.40 feet to a point, thence;

4) S 05°00'14" W and continuing along the said west right-of-way line of South Main Street, a distance of 222.08 feet to a point on the northeast corner of said N.Y.S.D.O.T. Acquisition Map No. 2061, Parcel No. 2061, thence;

5) S 70°02'39" W and along the said north line of N.Y.S.D.O.T. Acquisition Map No. 2061, Parcel No. 2061, a distance of 90.67 feet to a point, thence;

6) S 80°57'18" W and continuing along the said north line of N.Y.S.D.O.T. Acquisition Map No. 2061, Parcel No. 2061, a distance of 92.60 feet to a point, thence;

7) S 73°15'39" W and continuing along the said north line of N.Y.S.D.O.T. Acquisition Map No. 2061, Parcel No. 2061, a distance of 203.14 feet to a point, thence;

8) S 56°47'09" W and continuing along the said north line of N.Y.S.D.O.T. Acquisition Map No. 2061, Parcel No. 2061, a distance of 135.60 feet to a point, thence;

9) S 41°42'12" W and continuing along the said north line of N.Y.S.D.O.T. Acquisition Map No. 2061, Parcel No. 2061, a distance of 164.41 feet to a point, thence;

10) S 27°47'16" W and continuing along the said north line of N.Y.S.D.O.T. Acquisition Map No. 2061, Parcel No. 2061, a distance of 119.35 feet to a point, thence;

11) S 34°19'18" W and continuing along the said north line of N.Y.S.D.O.T. Acquisition Map No. 2061, Parcel No. 2061, a distance of 24.82 feet to the point and place of beginning.

Containing 6.094 acres of land more or less.

PROPERTY ADDRESS: 111 South Main Street, Churchville, NY 14428

TAX ACCOUNT NO.: 143.17-1-50

LOT 1
NORTH SANFORD ROAD (RELOCATED)
STATE OF NEW YORK WESTERN EXPRESSWAY