Report of Groundwater Sampling and Analyses

For

JEA Chilled Water Mains
Jacksonville, Florida

MAE Project No. 0103-0020
October 23, 2020

Prepared for:

MOTT MACDONALD

Prepared by:

MAE
Meskel & Associates Engineering
Geotechnical ◤ Environmental ◤ Inspection ◤ Testing

3728 Philips Highway, Suite 208
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Phone (904) 519-6990
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JBJ 2020 50 FASTEST GROWING COMPANIES

October 23, 2020

Mr. Bruce A. Neu, P.E.
Mott MacDonald Florida, LLC
10245 Centurion Parkway North, Suite 320
Jacksonville, Florida 32256

Subject: Report of Groundwater Sampling and Analysis
JEA Chilled Water Mains
Jacksonville, Florida
MAE Project No. 0103-0020

Dear Mr. Neu,

Meskel & Associates Engineering, PLLC (MAE) is pleased to provide you with this Report of Groundwater Sampling for JEA Chilled Water Mains project, located in Jacksonville, Duval County, Florida.

If you have any questions or concerns, please contact the undersigned at (904) 519-6990.

Sincerely,

MESKEL & ASSOCIATES ENGINEERING, PLLC
MAE FL Certificate of Authorization No. 28142

Gabriel S. Pastrana, P.E.
Professional Associate

Scott A. Davidson, P.G.
Principal, Director of Environmental Services

Distribution: Mr. Bruce A. Neu, P.E. – Mott MacDonald Florida, LLC 1 PDF

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List of Acronyms and Abbreviations

BDL .....Below Detection Limits

BLS.....Below Land Surface

BTEX .....Benzene, Toluene, Ethyl benzene, and Xylenes

COC.....Contaminants of Concern

DO .....Dissolved Oxygen

DPE .....Dual Phase Extraction

MAE.....Meskel & Associates Engineering, PLLC.

EPA .....United States Environmental Protection Agency

FAC .....Florida Administrative Code

FDEP .....Florida Department of Environmental Protection

FL-PRO.....Florida Petroleum Residual Organic (testing method)

GCTL .....Groundwater Cleanup Target Levels (as defined in 62-777, FAC)

MSL.....Mean Sea Level

MTBE .....Methyl Tert-Butyl Ether

NADC .....Natural Attenuation Default Concentrations

NPDES.....National Pollutant Discharge Elimination System

NTU .....Nephelometric Turbidity Units

PAH.....Polycyclic Aromatic Hydrocarbons

RAP .....Remedial Action Plan

SVDFW .....Screening Values for Discharges into Fresh Waters

SVE .....Soil Vapor Extraction

TRPH.....Total Recoverable Petroleum Hydrocarbons

VCO .....Verbal Change Order

VOA .....Volatile Organic Aromatics

µg/L .....Micrograms per Liter

Report of Groundwater Sampling and Analysis

JEA Chilled Water Mains

Jacksonville, Florida

MAE Report No. 0103-0020

Prepared by:

MESKEL & ASSOCIATES ENGINEERING, PLLC

3728 PHILIPS HIGHWAY, SUITE 208

JACKSONVILLE, FLORIDA 32207

GEOLOGY BUSINESS LICENSE NUMBER – GB683

In accordance with the provisions of Florida Statutes Chapter 492, this Groundwater Sampling Report for the JEA Chilled Water Mains project located in Jacksonville, Florida has been prepared under the direct supervision of a Professional Geologist registered in the State of Florida. This report was prepared in accordance with generally accepted professional practices pursuant to Chapter 492 of the Florida Statutes. The data, findings, recommendations, specifications, or professional opinions were prepared solely for the use of the JEA and Mott McDonald Florida, LLC. Meskel & Associates Engineering, PLLC makes no other warranty, either expressed or implied, and is not responsible for the interpretation by others of these data.

Scott A. Davidson, P.G. Date: 10/23/2020
Principal Geologist
Licensed, Florida No. PG1220

1.0 INTRODUCTION

Meskel & Associates Engineering, PLLC (MAE) has completed a groundwater sampling program to provide chemical background data to assist in the submittal of a Notice of Intent (NOI) to potentially discharge dewatering effluent to '*Waters of the State'* through the Florida Department of Environmental Protection (FDEP) under the auspices of the *Generic Permit for the Discharge of Produced Groundwater from Any Non-Contaminated Site Activity*, FAC 62-621.300(2).

Based on the information contained in your email proposal request of March 11, 2020, we understand that new chilled water lines will be installed to support the proposed JEA Administration Building to be constructed at 377 West Adams Street, Jacksonville, Florida. The project will include tapping the existing 36-inch chilled water mains beneath West Duval Street between North Pearl Street and North Julia Street. The 16-inch chilled water main will be installed to the east along West Duval Street and then south along North Julia Street then reduced to a 12-inch chilled water main and extend east along West Monroe Street for approximately 200 feet. The 8-inch chilled water main will branch from the 16-inch chilled water mains at the intersection of West Monroe Street and North Julia Street and then be installed along West Monroe Street to the west and then south on North Pearl Street where it will terminate. Approximately 1,800 linear feet of chilled water mains are planned.

The general site location is shown on Figure 1 and the proposed chilled water main route is shown on Figure 2. The Route Overview Plan is included as Appendix A.

2.0 REPORT LIMITATIONS

This report has been prepared for the exclusive use of Mott McDonald Florida, LLC for specific application to the proposed JEA Chilled Water Mains project as described in this report. This groundwater evaluation was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care but may be limited by conditions encountered during performance or a client-driven scope of work. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted. No warranty, express or implied, is made.

The evaluation and recommendations contained in this report are based on the data obtained from the water samples collected for this project. The scope of our services did not include any environmental assessment or testing for the presence or absence of hazardous or toxic materials in the soil, groundwater, or surface water above/beyond those parameters and chemical analytes examined. The collection of grab water samples, such as those collected at this site, are of limited scope and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited water sampling and chemical analyses. No limited groundwater sampling program can wholly eliminate uncertainty regarding the potential for contamination in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for groundwater and surface water impacts. These risks may be further evaluated, but not eliminated, through additional research and/or chemical evaluation and assessment.

If changes in the design or location of the project occur, the conclusions and recommendations contained in this report may need to be modified. We recommend that these changes be provided to us for our

consideration. MAE is not responsible for conclusions, interpretations, opinions or recommendations made by others based on the data contained in this report.

3.0 NEARBY CONTAMINATED SOURCES

This investigation included a review of FDEP databases for nearby contaminated sites. The FDEP Contamination Locator Map (CLM) was consulted to evaluate properties near the area of the proposed force main installation. http://prodenv.dep.state.fl.us/DepClnup/welcome.do In addition, the FDEP Institutional Controls Map (ICM) was reviewed to evaluate sites within the FDEP-specified 500-foot search radius. https://ca.dep.state.fl.us/mapdirect/?focus=icr

The results of the requisite FDEP database review of the CLM and ICM, showed three impacted sites within the prescribed 500-foot radius of the proposed dewatering area.

The **A-1 Auto Park** facility, located at 425 West Adams Street, was a former parking garage with an underground storage tank. This facility is currently a landscaped field associated with the Duval County Courthouse complex. MAE reviewed the FDEP Oculus database for files associated with this facility under Facility ID No. 9600048. Based on the Supplemental Site Assessment Report dated May 29, 2020, petroleum impacted soils have been identified at this facility and no groundwater impacts have been identified. The soil impacts are located approximately 200 feet southwest of the chilled water main termination point at North Pearl Street and West Monroe Street. Future assessment and remediation work on this site will be conducted under the FDEP Petroleum Cleanup Program. Based on the lack of groundwater impacts, and the limited extent of soil impacts, it is MAE's opinion that petroleum contaminants associated with this facility will not impact the chilled water main construction. A copy of excerpts of the Supplemental Site Assessment Report is provided in Appendix B.

The **Ed Ball Building** facility, located at 214 North Hogan Street, had a former dissolved chlorinated solvent groundwater plume beneath the parking garage. This facility is currently a City of Jacksonville office and parking garage located adjacent to the east of the project site and North Julia Street. MAE reviewed the FDEP Oculus database for files associated with this facility under Facility ID No. COM_2804872. Based on the Interim Natural Attenuation Monitoring Report dated October 22, 2015, a chlorinated solvent plume was identified at this facility in 2005 associated with a former dry-cleaning facility. Following assessment and groundwater monitoring, this facility was granted a Site Rehabilitation Completion Order (SRCO) on May 12, 2016. Based on completion of the cleanup at this facility, this former release will not impact construction at the project site. A copy of excerpts of the Natural Attenuation Monitoring Report and the SRCO is provided in Appendix B.

The **Block 48** facility, located at 337 West Adams Street, is the future construction site for the JEA Administration Building. The site is currently owned by the City of Jacksonville and used for parking. MAE reviewed the FDEP Oculus database for files associated with this facility under Facility ID No. COM_337709. Based on the Post Active Remediation Monitoring Report dated March 11, 2020, a chlorinated solvent plume was identified at this facility in 2004 associated with a former dry-cleaning facility. The chlorinated solvent impacts were assessed to be located within the southwest portion of the project site. A Remedial Action Plan was implemented in December 2019 which included the injection of chemical remediation agents into the aquifer at this site. The Post-Active Remediation groundwater data from January 2020 showed a significant

decrease in the contaminant levels with only cis-1,2-Dichloroethene and Vinyl Chloride remaining at 87.7 micrograms per liter (ug/L) and 22.8 ug/L, which are above their Groundwater Cleanup Target Levels (GCTLs) of 70 ug/L and 1 ug/L. These remaining impacts are located at the 22 to 32 feet below land surface depth interval and approximately 200 feet south of the chilled water main termination point at North Pearl Street and West Monroe Street. This facility entered into a Brownfield Site Rehabilitation Agreement on November 25, 2019. The future remedial approach for this facility is groundwater monitoring until the facility meets conditions for a Risk Management Option III closure. Based on the distance and depth of the groundwater contamination from the chilled water main route, it is MAE's opinion that the chlorinated solvent impacts to groundwater at this site will not impact the chilled water main construction. A copy of excerpts of the Post Active Remediation Monitoring Report is provided in Appendix B.

4.0 TEMPORARY MONITORING WELL INSTALLATION

Two temporary monitoring wells were installed at the project site on May 25, 2020. Temporary monitoring well TMW-1 was installed on the eastern right-of-way of North Pearl Street approximately 60 feet south of the intersection of North Pearl Street and West Monroe Street and near the western chilled water main termination point. Temporary monitoring well TMW-2 was installed on the eastern right-of-way of North Julia Street approximately 100 feet north of the intersection of North Julia Street and West Adams Street and near the southeastern chilled water main termination point. The locations of the temporary monitoring wells are provided on Figure 2.

The monitoring wells were installed by Transamerican Drilling and Testing, Inc. using a direct push rig. Continuous soil samples were collected from the surface to a depth of 15 feet and 20 feet below land surface (bls), respectively, to evaluate the groundwater depth and lithology. The well depths were determined based on groundwater level conditions. TMW-1 was set to 15 feet bls and TMW-2 was set to 20 feet. The monitoring wells were constructed of 10-feet of 1.5-inch diameter pre-packed PVC well screen (0.010-inch slot size), and sufficient riser to reach the ground surface. The sand pre-pack screens consisted of 20-30 Silica with a fine sand seal and cement to surface. The monitoring wells were flush-mounted and finished with an 8-inch manhole and 2 feet by 2 feet concrete pad and a locking cap. Appendix C contains the soil boring logs and well completion data.

5.0 WATER SAMPLING AND ANALYTICAL RESULTS

Groundwater samples were collected from the temporary monitoring wells TMW-1 and TMW-2 on May 29, 2020. During the sampling event, depth to water was measured at 7.33 feet bls and 11.69 feet bls, respectively. MAE established stable purging parameters at the respective sampling locations in general accordance with the FDEP Standard Operating Procedures (FS 2212) before the location was sampled. Appendix D contains the groundwater sampling logs and field equipment calibration logs.

Following the purging activities, a groundwater sample was collected from the two temporary monitoring wells using poly-tubing connected to a peristaltic pump. The collected sample was placed into laboratory-supplied bottles, stored on wet ice, and submitted to a State of Florida approved analytical laboratory, Pace Analytical Services in Ormond Beach, Florida. Pace is a NELAP-certified laboratory, Number E83079.

The groundwater samples from TMW-1 and TMW-2 were analyzed for the presence of Volatile Organic

Compounds (VOCs) by EPA Method 8260, Polynuclear Aromatic Hydrocarbons (PAH) by EPA Method 8270, Total Recoverable Petroleum Hydrocarbons (TRPH) by the FL-PRO Method, and the 8 RCRA Metals by EPA Methods 6010 and 7240. Field filtered samples were collected for dissolved metal analysis in case turbidity interference was encountered. Copies of the groundwater analytical results are provided in Appendix E.

The results from the laboratory analysis of the groundwater samples indicated the tested analytes did not exhibit concentrations exceeding the Groundwater or Surface Water Cleanup Target Levels defined in Chapter 62-777, Florida Administrative Code. Trichloroethene (TCE), cis-1,2-Dichloroethene, and 1,2-Dichloroethene were detected in TMW-2, but below Groundwater Cleanup Target Levels (GCTLs). Arsenic was detected in TMW-1, but below its GCTL. Barium was detected in both well samples, but below its GCTL.

6.0 CONCLUSIONS AND PERMIT REQUEST

The results of laboratory analyses of groundwater samples collected indicate that there are no impacts to groundwater in the area of the installed monitoring wells. A review of FDEP's database of contaminated sites indicates three sites are within 500 feet of the project site. The regulatory files for the three sites including the former A-1 Auto Park, the Ed Ball Building, and the Block 48 site, were determined to unlikely be sources of groundwater contamination for the chilled water main construction project.

Groundwater contamination associated with the Block 48 site is located approximately 200 feet south of the western termination of the chilled water main and at a depth of 22 to 32 feet. Remedial activities were conducted in December 2019 which included the injection of chemical remediation agents into the aquifer. The Post-Active Remediation groundwater data from January 2020 showed a significant decrease in the contaminant levels with only cis-1,2-Dichloroethene and Vinyl Chloride remaining at 87.7 ug/L and 22.8 ug/L, which are above their GCTLs of 70 ug/L and 1 ug/L. The progress of these remediation efforts on the site should be monitored.

Assuming the chlorinated solvent plume is stable and shrinking, then the chilled water main construction project will not be impacted, and the groundwater produced during construction can be discharged to the storm sewer system under the Generic Permit. A Notice of Intent (NOI) request for the use of the Generic Permit for the Discharge of Groundwater from Dewatering Operations, February 2015, FAC 62-621.300(2) is applicable. A copy of the Generic Permit application is provided in Appendix F.

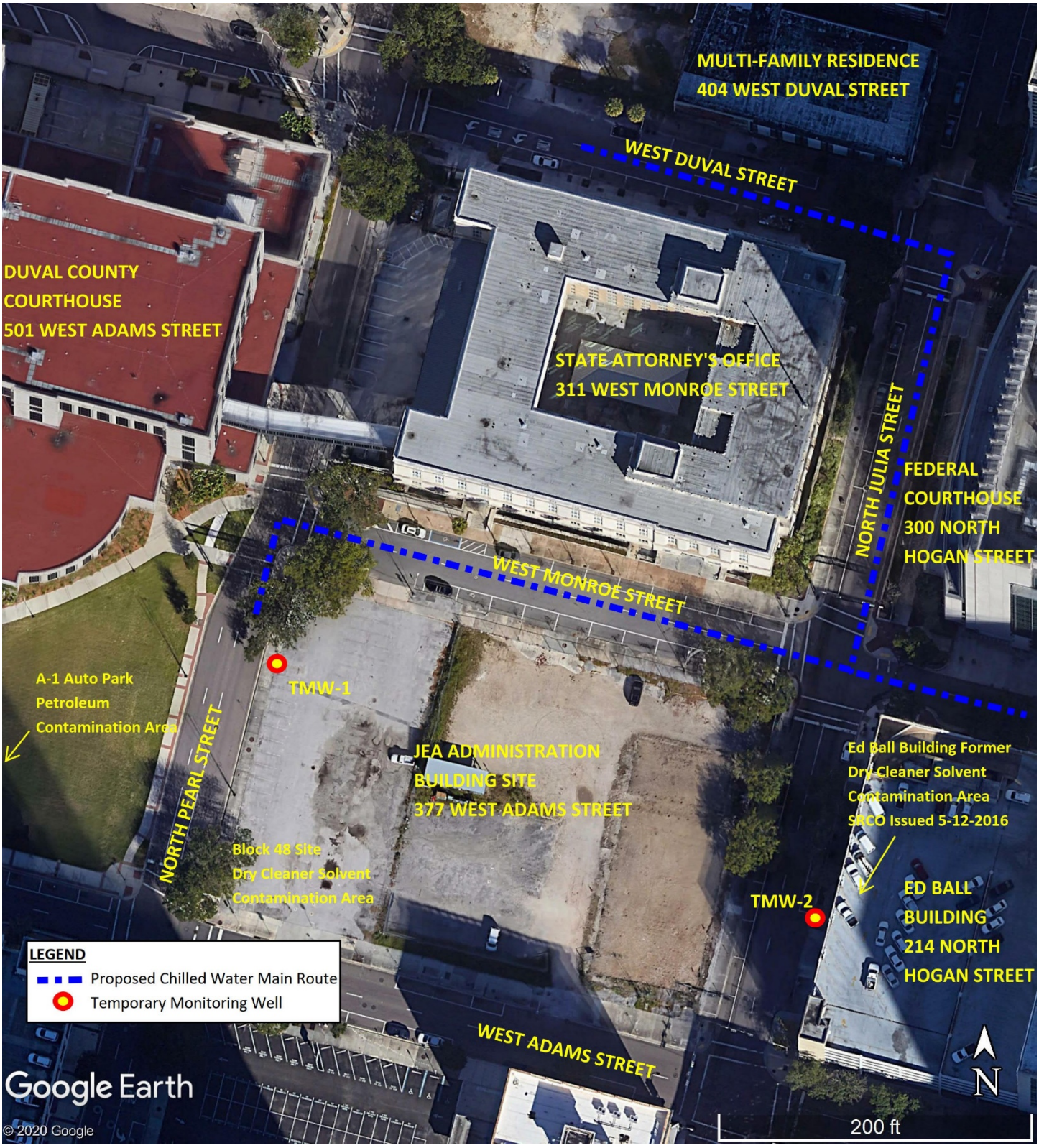
If the proposed area of dewatering is anticipated for a construction activity exceeding 1 acre in size, then MAE recommends the construction contractor acquire the dewatering permit as part of the Construction General Permit (CGP). The dewatering permit will not add any additional cost to the CGP, provided it is applied for at the time of its CGP application. The development of dewatering Best Management Practices (BMPs) will still be required prior to initiation of the dewatering operation, as per FAC 62-621.300(2).

Following the commencement of dewatering operations, per Chapter 62-621.300(1) or (2) FAC, BMPs, developed by the dewatering contractor, must be adhered to including record-keeping, and collection of effluent samples as required. Please be advised that the FDEP regulations state that the permittee is ultimately responsible for discharges to the waters of the State.

Figures

SITE VICINITY/TOPOGRAPHIC MAP

PREPARED BY	PROJECT NAME	
Meskel & Associates Engineering	JEA Chilled Water Mains Jacksonville, Florida	
	REFERERENCE	SCALE
	USGS Jacksonville, FL Quad 2015	As Shown
PREPARED FOR	MAE PROJECT NO.	FIGURE NO.
Mott McDonald Florida, LLC	0103-0020	1



TEMPORARY MONITORING WELL LOCATION MAP

PREPARED BY	PROJECT NAME	
Meskel & Associates Engineering Geotechnical ⌜ Environmental ⌜ Inspection ⌜ Testing	**JEA Chilled Water Mains Jacksonville, Florida**	
	REFERERENCE	SCALE
	Google Earth 2020	As Shown
PREPARED FOR	MAE PROJECT NO.	**FIGURE NO.**
Mott McDonald Florida, LLC	0103-0020	2

Tables

Table 1
Groundwater Analytical Summary
JEA Chilled Water Mains
337 West Adams Street
Jacksonville, Duval County, Florida
MAE Project No. 0103-0020

Well No.	**TMW-1**	**TMW-2**		
Sample Date	5/29/2020	5/29/2020	*Groundwater Cleanup Target Levels, Chapter 62-777, F.A.C. (µg/L)*	*Freshwater Surface Water Criteria, Chapter 62-777, F.A.C. and Chapter 62-302.530, F.A.C. (µg/L)*
Location	Northwest side of site near Monroe Street and Pearl Street	Southeast side of site near Adams Street and Julia Street		
Parameter, Method (All Units in micrograms per liter - mg/L)				
Tetrachlorethene (PCE), EPA Method 8260	0.38 U	0.38 U	*3*	*8.85*
Trichloroethene (TCE), EPA Method 8260	0.36 U	0.93 I	*3*	*80.7*
cis-1,2-Dichloroethene, EPA Method 8260	0.27 U	0.41 I	*70*	*NA*
1,2-Dichloroethene (Total), EPA Method 8260	0.27 U	0.41 I	*63*	*7,000*
Vinyl Chloride, EPA Method 8260	0.39 U	0.39 U	*1*	*2.4*
All Other Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260	BDL	BDL	*Various*	*Various*
All other Polycyclic Aromatic Hydrocarbons (PAHs) analyzed by EPA Method 8270	BDL	BDL	*Various*	*Various*
Total Recoverable Petroleum Hydrocarbons analyzed by the FL-PRO Method	750 U	750 U	*5,000*	*5,000*
Arsenic, EPA Method 6010	2.3	0.5 U	*10*	*50*
Barium. EPA Method 6010	67.7	54.9	*2,000*	*NA*
Lead, EPA Method 6010	0.22 I	0.22 U	*15*	*50*
All other RCRA 8 Metals analyzed by EPA Methods 6010 and 7470	BDL	BDL	*Various*	*Various*

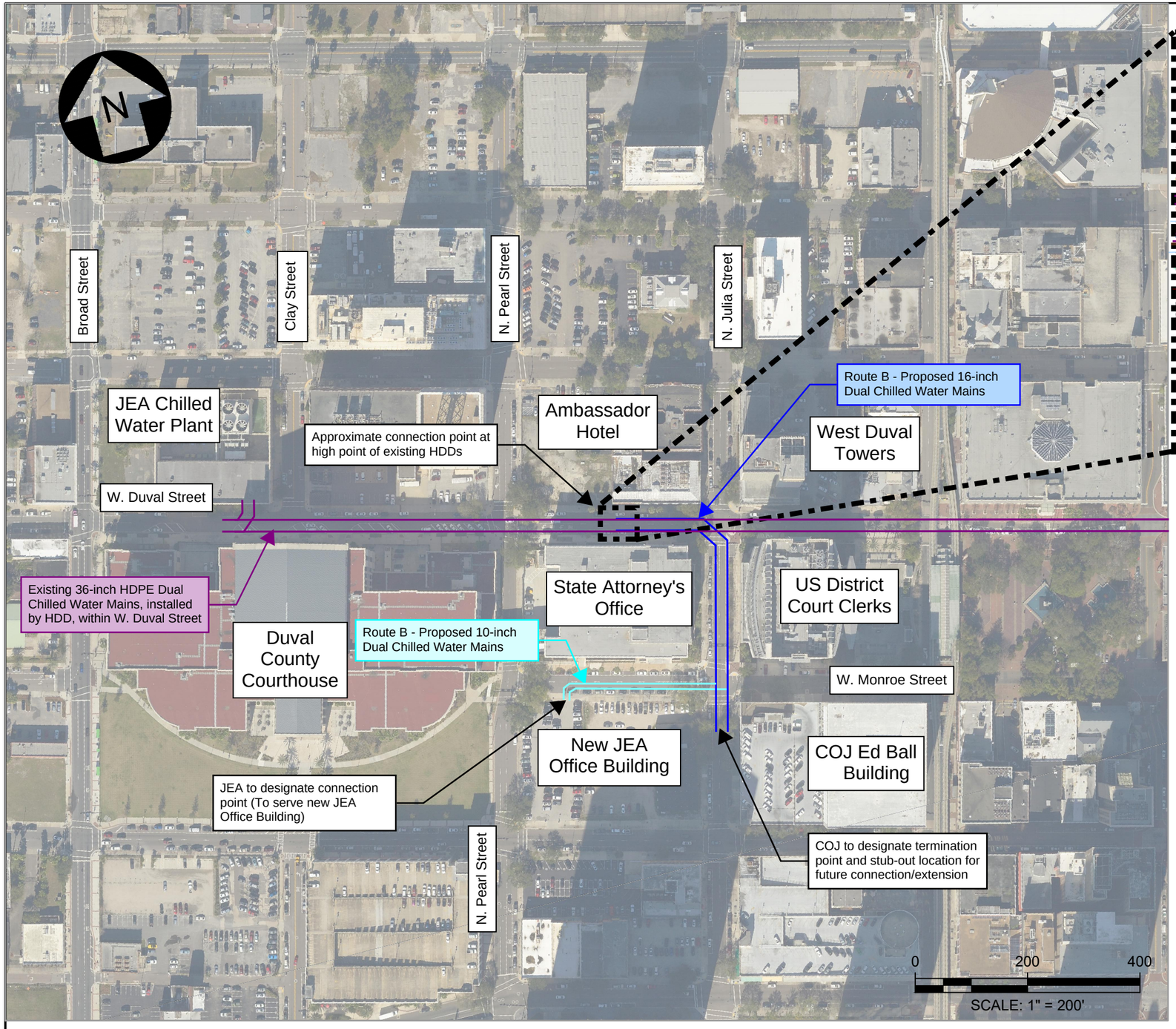
Notes:

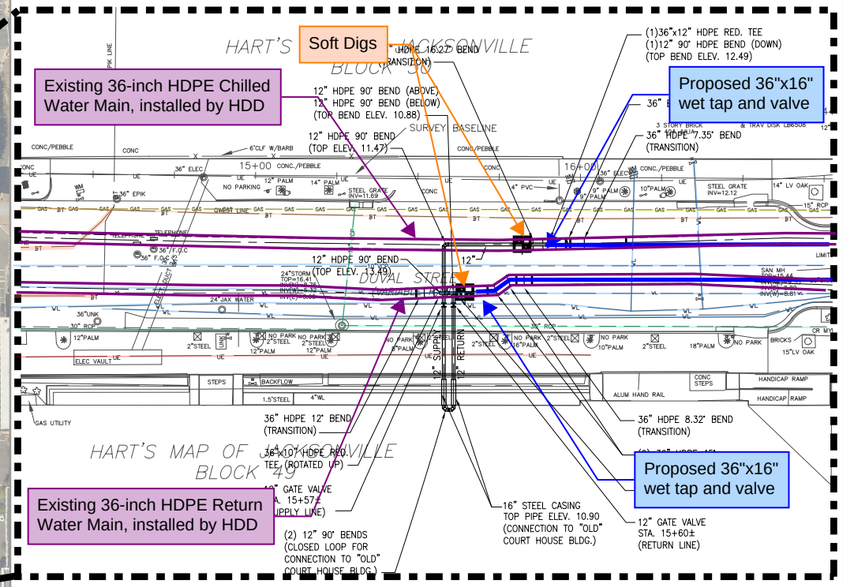
[1]Florida Department of Environmental Protection Groundwater Cleanup Target Levels (GCTLs) and Freshwater Surface Water Criteria per Table II of Chapter 62-777, FAC and Chapter 62-302.530, FAC

U or BDL - Below Laboratory Method Detection Limits

I - Concentration detected between Method Detection Limit and Practical Quantization Limit

Appendix A





Route B - Key Takeaways

- 1,800 lf total of chilled water pipe.
- Connection at high point of existing 36-inch chilled water mains installed by HDD.
- Does not impact vehicle access to Duval County Courthouse.
- Does not impede official vehicle access to Duval County Courthouse and State Attorney's office.
- Allows Ambassador Hotel and West Duval Towers future connection to the proposed chilled water main

Figure 2 - Overview of Proposed Chilled Water Main Route B

Appendix B

Received May 29, 2020

Add'l info received June 9, 2020

SUPPLEMENTAL SITE ASSESSMENT REPORT
FORMER A-1 AUTO PARK, INC.
425 WEST ADAMS STREET
JACKSONVILLE, FLORIDA 32202
FDEP FACILITY NO. 169600048
PURCHASE ORDER NO. B612BD
HYDRO-LOGIC PROJECT NO. PRP-039

Prepared For:

CITY OF JACKSONVILLE
ENVIRONMENTAL QUALITY DIVISION
214 N. HOGAN STREET 5TH FLOOR
JACKSONVILLE, FLORIDA 32202

And

Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Prepared by:

Hydro-Logic Associates, Inc.
1940 Soule Road
Clearwater, Florida 33759
(727) 724-8337

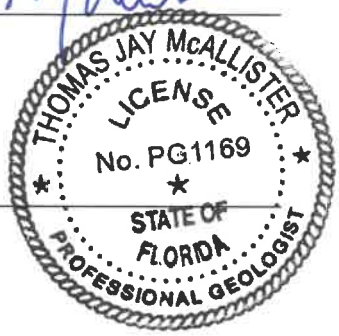
MAY 2020

PROFESSIONAL CERTIFICATION

The geological material in this report entitled Supplemental Site Assessment Report, Former A-1 Auto Park, Inc., 425 West Adams Street, Jacksonville, Florida 32202; dated May 29, 2020 has been reviewed by myself and found to be in accordance with professional practices pursuant to Chapter 492 of the Florida Statutes.

Thomas Jay McAllister, P.G.
Florida License No. 1169
Hydro-Logic Associates, Inc.

5/29/2020
Date



HLA Inc. Hydro - Logic Associates, Inc.
1940 Soule Road • Clearwater, Florida 33759 • Phone (727) 724-8337 • Fax (727) 724-8453

May 29, 2020

Ms. Latecia Jennings
Environmental Specialist
City of Jacksonville
Environmental Quality Division
214 N. Hogan Street, 5th Floor
Jacksonville, Florida 32202

RE: **Supplemental Site Assessment Report**
Former A-1 Auto Park, Inc.
425 West Adams Street
Jacksonville, Florida 32202
FDEP Facility No. 169600048
PRP PO No. B612BD
Hydro-Logic Project No. PRP-039

Dear Ms. Jennings:

Hydro-Logic Associates, Inc. (Hydro-Logic) is pleased to provide the City of Jacksonville- Environmental Quality Division (COJ-EQD), and the Florida Department of Environmental Protection (FDEP) with this Supplemental Site Assessment (SSA) Report for the above referenced site in Jacksonville, Duval County, Florida. A site map is included as **Figure 1**. Cleanup eligibility is currently available for this facility through the Abandoned Tank Restoration Program (ATRP). The Former A-1 Auto Park, Inc. facility has been assigned a priority ranking system score of 26. This Supplemental Site Assessment Report summarizes the scope of work (SOW) and the results obtained through the Task 2 of PRP Purchase Order (PO) No.**B612BD**.

1.0 BACKGROUND INFORMATION

1.1 Site Description

The former A-1 Auto Park, Inc. facility is located at 425 West Adams Street in Jacksonville, Duval County, Florida. The property is at the Southeast corner of the intersection of West Adams Street and North Pearl Street. A detailed site map showing the major features of the site is included as **Figure 1**. This site was totally redeveloped and is currently part of the Duval County Courthouse and COJ's Government Complex. All tanks, dispensers, and petroleum products have been removed from the property and no structures currently exist on the Former A-1 Auto Park parcel.

1.2 Site History

Two areas of potential environmental concern were identified by the Phase 1 & Phase 2 Environmental site assessment performed by G.B. Robbins, Inc., the former dry cleaners and an area of patched concrete possibly associated with an underground storage tank within a former parking garage. The assessment results indicated impacted soil and groundwater in the area of the former parking garage. A discharge reporting form was filed on 11/29/95 based on the Phase 1 & Phase 2 Environmental assessment.

A total of 11 soil borings were advanced by hand auger at the Parking Lot Property. At each boring location soil samples were collected at selected intervals from the land surface to the water table, approximately six feet below land surface (BLS). Each soil sample was split into two portions, half filling 16 ounce glass mason jars, sealed with aluminum foil and a cover then set aside for screening using a

Foxboro Organic Vapor Analyzer equipped with a Flame Ionization Detector (OVA-FID). Upon completion, each soil boring was backfilled with native sediments and capped with asphalt patching.

Three soil borings were performed in the southern portion of the eastern one third of Lot No. 4, the approximate location of the former dry cleaners. Nine soil borings were performed within the parking garage building; within and surrounding the area of patched concrete. Soil boring SB-4 was installed inside the patched concrete area. Concrete was encountered at a depth of four BLS in this boring. Because of the difficulty of coring through the six inch thick concrete, and the likelihood of encountering more construction debris within the area of patched concrete, the remaining soil borings were installed outside the patched concrete area. Additionally, in order to obtain qualitative data regarding groundwater quality in the area of the patched concrete, soil samples were also collected for OVA-FID analysis at the water table (samples collected at 6 BLS) in the remaining borings.

OVA-FID readings from SB-1 through SB-3, near the former dry cleaners, were zero. No staining or odors were detected in any of the borings. The OVA-FID readings from the nine soil borings installed within the parking garage, SB-5 (62 ppm at 4 BLS) and SB-8 (70 ppm at 4 BLS) contained excessively contaminated soil. Soil borings SB-5 and SB-8 were located east and southeast of the concrete patch. Sample from three locations (SB-5, SB-8, and SB-10) exhibited strong petroleum odors and OVA-FID responses between 300 and 790 ppm at the water table. Soil boring SB-10 was located west of the central portion of the concrete patch.

To assess the presence or absence of chemical compounds related to the past use of the property in the groundwater within the two areas of concern identified at the site, temporary wells were installed and sampled. The temporary wells were installed using a hand auger that was decontaminated prior to use. Each temporary well consisted of a 10 ft. section of 2-inch diameter machine slotted PVC. Natural sediment was allowed to fill in around the well point. After sampling, each well point was removed and the boring was backfilled with native sediments and capped with asphalt patching.

Temporary well TMW-1 was installed within the soil boring SB-1, in the area of the former dry cleaner. Temporary well TMW-2 was installed within soil boring SB-5, inside the parking garage. Each temporary well was bailed dry and allowed to recharge prior to sampling using a decontaminated, disposable bailer.

The groundwater sample collected from TMW-1 on November 24, 1995 was analyzed by the laboratory using EPA Method 601. The groundwater sample collected on November 24, 1995 from TMW-2 was analyzed by the laboratory for analysis of petroleum compounds included in the FDEP's "Kerosene Analytical Group" using EPA Methods 601, 602, 610, 418.1 (total petroleum hydrocarbons), 504 (ethyl dibromide), and 239.2 (total lead).

No EPA Method 601 compounds were detected in the sample collected from TMW-1 however, hydrocarbon compounds were detected in the sample collected from TMW-2, located within the parking garage. Of the EPA Method 602 compounds, the sample from TMW-2 contained concentrations of 24 ug/L benzene, 98 ug/L toluene, 1,533 ug/L ethylbenzene, 350 ug/L xylenes and 2,005 ug/L total BTEX. The concentrations of benzene and total BTEX were above the FEP's petroleum Site Rehabilitation Levels (SRLs) of 1 ug/L and 50 ug/L, respectively. Of the EPA Method 601 compounds, the sample from TMW-2 contained concentrations of 2,296 ug/L naphthalene, 924 ug/L 1-methylnaphthalene, 360 ug/L 2-methylnaphthalene, and 3,580 ug/L total naphthalene. These concentrations were above the SRLs of 100 ug/L for total naphthalene. The sample also contained concentrations of 61 mg/L total lead, which was above the SRL of 0.015 mg/L. Ethylene dibromide and EPA Method 601 compounds were not detected in the sample collect from TMW-2.

2.0 RECENT SITE ASSESSMENT ACTIVITIES

2.1 Soil Borings- September 2018

On September 19, 2018 Hydro-Logic personnel provided project direction and oversight during the advancement of 12 (total) Direct Push Technology (DPT) soil borings for soil screening/site assessment purposes. The DPT borings (designated SB-1 through SB-12) were completed to approximately 10 feet BLS by PDS. The initial boring (designated SB-5) was advanced at the approximate location of previous soil boring SB-5/TMW-2. Subsequent soil borings were located on a grid with an approximate spacing of 20 feet using the SB-5/TMW-2 boring as the center of the grid. The soil borings were screened for the presence of Volatile Organic Compounds (VOC's) with a MiniRAE 3000 photoionization detector (OVA-PID). Soil samples were screened every foot for the first six feet of the boring then every two feet afterward to the completion of each boring. A soil screening summary detailing site lithology and OVA readings is included as **Table 1**. The observed onsite groundwater table was encountered at depths ranging from approximately 6-8 to 8-10 feet BLS in the soil borings.

The soil screening results indicated that apparent petroleum contamination (in this case meaning OVA-PID VOC readings of >50 ppm with petroleum odor) was not present above eight (8) feet BLS in most of the soil borings. Only five borings had OVA readings above 50 ppm in the 0-8 ft. interval. Those borings were SB-1 with 2010 ppm at 3-4 ft. BLS, SB-5 2019 ppm at the 6-8 ft. interval, SB-6 with 2111 ppm at the 6-8 ft. BLS interval, SB-7 1110 ppm at the 2-3 ft. interval, and SB-9 with 65.1 ppm at the 4-5 ft. interval (petroleum odor noted). It is possible that those readings from the 6-8 ft. intervals may have encountered the top of the zone of groundwater fluctuation (smear zone). In the 8-10 ft. BLS interval -strong petroleum odor and OVA readings of>100 ppm were detected in three soil borings. The borings included SB-5 (181.5 ppm), SB-6 (409.7 ppm), and SB-7 (157.1 ppm).

2.2 Soil Laboratory Analysis – BTEX+MTBE;TRPH (September 2018)

Hydro-Logic was authorized to collect five soil samples for laboratory analysis during the September 2018 soil boring assessment. Based on the OVA screening results it was decided that soil samples would be collected from SB-1 and SB-9 at the 4-5 ft. interval, SB-5 and SB-6 at the 6-8 ft. BLS interval and SB-7 at the 2-3 ft. BLS interval for laboratory analysis. All soil samples were submitted to Pace Analytical Laboratories, Inc. (Pace) under proper COC procedures and analyzed for EPA Method 8260, 8270, and FL-PRO constituents. Results indicate that only the soils from SB-6 exceeded FDEP SCTLs for TRPH. The TRPH by FL-PRO concentration at SB-6 was detected at 598 mg/kg. Low levels of TRPH were also detected in soils collected from SB-1, SB-7, and SB-9. The EPA Method 8260 laboratory analytical results revealed that soil samples from all soil borings were below the laboratory method detection limits for the analyzed BTEX/MTBE compounds. Soil analytical results are summarized in **Tables 2A** through **2C**.

2.3 Soil Laboratory Analysis – Non-Carcinogenic PAHs (September 2018)

The EPA Method 8270 laboratory analysis of the non-carcinogenic PAH compounds showed that no soil samples exceeded FDEP SCTLs for any of the analyzed constituents. Soil analytical results are summarized in **Tables 2A** through **2C**.

2.4 Soil Laboratory Analysis – Carcinogenic PAHs (September 2018)

The EPA Method 8270 laboratory analysis of the carcinogenic PAH compounds indicate that Benzo (a) Pyrene exceeded the FDEP SCTL in soils collected from SB-7 (0.51 mg/kg). The Benzo (a) Pyrene equivalent for the SB-7 sample was 0.74 mg/kg which exceeds the Residential Direct Exposure SCTL of 0.1 mg/kg as well as the Direct Exposure for Commercial/Industrial SCTL of 0.7 mg/kg. No other compounds exceeded FDEP SCTLs in any of the other samples collected. Samples collected from SB-1, SB-5, and SB-6 were below laboratory method detection limits for all analyzed carcinogenic PAH compounds. Soil analytical results are summarized in **Tables 2A** through **2C**.

2.5 SPLP Extraction; Soil Leachate Analyses – BTEX+MTBE and PAHs; TRPH Fractionation (September 2018)

Once Hydro-Logic received the soil analytical results the PRP site manager was contacted to discuss and evaluate the laboratory findings. It was determined that EPA Method 8260/8270 SPLP analysis would be conducted on soil samples from SB-6. Analytical results were below FDEP GCTLs for all analyzed compounds. The SPLP analytical results are summarized in Table **4A** and **4B**.

2.6 Direct Push Groundwater Sampling-September 2018

Hydro-Logic was authorized to collect five groundwater samples from selected boreholes during the September 19, 2018 soil boring assessment activities. Groundwater samples were successfully collected from the boreholes at SB-1, SB-5, SB-6, SB-7, and SB-9. In order to collect the groundwater samples the borings were advanced to 11-12 feet BLS and a temporary stainless steel slotted well screen was inserted into the borehole by PDS. A peristaltic sampling pump was then utilized to collect the groundwater samples. Groundwater was generally encountered at approximately eight (8) feet BLS in most of the soil borings. All groundwater samples were sent to Pace Analytical, Inc. and were analyzed for EPA Method 8260 BTEX+MTBE parameters, PAH's (EPA Method 8270), and TRPH (FL-PRO Method).

2.7 Groundwater Laboratory Analysis – BTEX+MTBE (September 2018)

The groundwater laboratory analytical results showed that all analyzed BTEX/MTBE compounds were below Groundwater Cleanup Target Levels (GCTLs) in four of the five groundwater samples collected from the soil boring boreholes. Samples from SB-7 slightly exceeded the GCTL for Benzene (1.5 ug/L). Low levels of several BTEX compounds were also detected in groundwater samples collected from SB-5, SB-6, SB-7 and SB-9. Samples collected from SB-1 were below laboratory method detection limits for all analyzed VOC compounds. The laboratory analytical results for groundwater are summarized in **Tables 4A** and **4B**.

2.8 Groundwater Laboratory Analysis – PAHs and TRPH (September 2018)

The laboratory analytical results revealed that concentrations of Naphthalene (57.1 ug/L) exceeding the FDEP GCTL were detected in groundwater collected from SB-7 along with low levels of other PAH compounds. Low levels of Naphthalene and several other PAH compounds were also detected in groundwater samples collected from SB-5, SB-6, and SB-9. Groundwater samples collected from SB-1 were below laboratory method detection limits for all analyzed PAH compounds. Concentrations of TRPH exceeding FDEP GCTLs were detected in groundwater samples collected from SB-6 (5600 ug/L). Slightly lower levels of TRPH were detected in groundwater from SB-7 (4400 ug/L). TRPH was below laboratory method detection limits in groundwater samples collected from SB-1, SB-5, and SB-9. The laboratory analytical results are summarized in **Tables 4A** and **4B**.

2.9 Soil Borings- March 2019

On March 14, 2019 Hydro-Logic personnel provided project direction and oversight during the advancement of seven additional split spoon (SS) soil borings for soil screening/site assessment purposes. Three of the soil borings (SB-3R, SB-6R, SB-7R) were performed in the approximate locations as September 19, 2018 soil borings SB-3, SB-6, and SB-7. Four additional soil borings (SB-13 through SB-16) were also advanced to delineate the horizontal extent of the impacted area. Soil borings SB-3R, SB-14, SB-15, and SB-16) were advance to approximately 10 feet BLS by PDS. Soil borings SB-6R, SB-7R, and SB-13 were advanced to approximately 20 feet BLS. The soil borings were screened for the presence of VOC's with a MiniRAE 3000 OVA-PID. Soil samples were screened every foot for the first six feet of the boring then every two feet afterward to the completion of each boring. A soil screening summary detailing site lithology and OVA readings is included as **Table 1**. The observed onsite groundwater table was encountered at depths ranging from approximately 5-8 feet BLS in the soil borings.

The soil screening results indicated that petroleum contamination was not present in any of the seven soil borings including SB-6R and SB-7R which had previously shown OVA readings greater than 500 ppm during the September 2018 soil boring activities. A slight petroleum odor was however documented in soil borings SB-6R, SB-7R and SB-13.

Hydro-Logic was authorized to collect up to six soil samples for laboratory analysis during the March 2019 assessment activities. Two of the samples were to come from pre-determined locations based on previous assessment findings. The COJ EQD requested that one sample be collected from previous soil boring location SB-6 (SB-6R/MW-1) at 4-5 feet BLS to confirm the TRPH, FL-PRO and contingent TRPH Fractionation concentrations in that area and a second be collected from previous soil boring location SB-7 (SB-7R/MW-2) at 2-3 feet BLS to confirm the previous PAH results. Based on the OVA screening results it was decided that only one additional soil sample would be collected from soil boring SB-3R at the 3-4 ft. BLS interval for laboratory analysis.

2.10 Soil Laboratory Analysis – BTEX+MTBE;TRPH (March 2019)

All soil samples were submitted to Pace Analytical Laboratories, Inc. (Pace) under proper COC procedures and analyzed for EPA Method 8260, 8270, and FL-PRO constituents. Results indicate that none of the soil samples exceeded FDEP SCTLs for BTEX+MTBE or TRPH. Low levels of TRPH were detected in the soils collected from all three sample locations (SB-3R 27.0 mg/kg, SB-6R 5.7 mg/kg, and SB-7R 89.7 mg/kg). The EPA Method 8260 laboratory analytical results revealed that soil samples from all three sample locations were below the laboratory method detection limits for the analyzed BTEX/MTBE compounds. Soil analytical results are summarized in **Tables 2A** through **2C**.

2.11 Soil Laboratory Analysis – Non-Carcinogenic PAHs (March 2019)

The EPA Method 8270 laboratory analysis of the non-carcinogenic PAH compounds showed that none of the soil samples exceeded FDEP SCTLs for any of the analyzed constituents. Soil analytical results are summarized in **Tables 2A** through **2C**.

2.12 Soil Laboratory Analysis – Carcinogenic PAHs (March 2019)

The EPA Method 8270 laboratory analysis of the carcinogenic PAH compounds indicate that Benzo (a) Pyrene exceeded the FDEP SCTL in soils collected from SB-7R (0.16 mg/kg). The Benzo (a) Pyrene equivalent for the SB-7R sample was 0.24 mg/kg which exceeds the Residential Direct Exposure SCTL of 0.1 mg/kg. No other compounds exceeded FDEP SCTLs in any of the other samples collected. Soil analytical results are summarized in **Tables 2A** through **2C**.

2.13 Monitoring Well Installation

During the March 14, 2019 field event, Hydro-Logic also directed the installation of three approved monitoring wells by PDS. The wells were installed in the same locations as soil borings SB-6/SB-6R (MW-1), SB-7/SB-7R (MW-2), and SB-13 (MW-3). All wells are constructed of 2-inch diameter threaded PVC, and are approximately 20 feet BLS in total depth with 15 feet of 0.010 inch slotted well screen. The wells were completed with a flush mounted 8-inch diameter plastic sprinkler box. All wells were developed utilizing a centrifugal pump until the discharge was clear and free of sediment. The top of casing (TOC) elevation at each monitoring well was later surveyed to a referenced benchmark elevation by Hydro-Logic. The monitoring well locations are depicted on **Figure 1**.

2.14 Groundwater Sampling of Monitoring Wells-March 2019

On March 20, 2019 Hydro-Logic personnel mobilized to the site to conduct groundwater sampling activities. Hydro-Logic was authorized to gauge/sample the three newly installed wells designated MW-1, MW-2, and MW-3. The groundwater monitoring well locations are depicted on **Figure 1**. Groundwater level measurements were recorded from the three monitoring wells prior to sample collection. The

measured depth to groundwater ranged from 4.73 ft. BLS in monitoring well MW-3 to 5.48 ft. BLS in monitoring well MW-1. A groundwater elevation table is included as **Table 3**. Hydro-Logic also surveyed the new monitoring wells top of casing's (TOC) to a relevant benchmark so that groundwater flow direction could be established. The general direction of groundwater flow was determined to be to the southwest during the March 2019 sampling activities.

A peristaltic sampling pump was utilized to both purge and collect groundwater samples from the monitoring wells. An YSI Model 556 water quality meter and a Hannah Model HI 98703 turbidity meter were utilized to measure field parameters in accordance with current FDEP guidelines for groundwater sampling. All samples were sent to Pace Analytical, Inc. and were analyzed by EPA Method 8260 for BTEX+MTBE compounds, method 8270 for PAH compounds, and the FL-PRO method for TRPH.

2.15 Groundwater Laboratory Analysis – BTEX+MTBE (March 2019)

The groundwater laboratory analytical results showed that all analyzed BTEX/MTBE compounds were below laboratory method detection limits in all three monitoring wells sampled. The laboratory analytical results for groundwater are summarized in **Tables 4A** and **4B**.

2.16 Groundwater Laboratory Analysis – TRPH and PAHs (March 2019)

The groundwater laboratory analytical results showed that all analyzed TRPH and PAH compounds were below laboratory method detection limits in the samples collected from monitoring wells MW-1 and MW-3. Lower levels of contaminants were however detected in the sample collected from monitoring well MW-2 (TRPH @ 880 I ug/L). The laboratory analytical results for groundwater are summarized in **Tables 4A** and **4B**.

Site assessment results were summarized in a General Site Assessment Report (TSAR format) submitted to the COJ-EQD/FDEP on May 6, 2019 with supplemental information submitted through June 21, 2019. The report was approved by the COJ-EQD/FDEP on July 10, 2019. It was decided by the COJ-EQD/FDEP to continue to remediation work at the facility.

3.0 SUMMARY OF SUPPLEMENTAL SITE ASSESSMENT- FIELD ACTIVITIES AND RESULTS

3.1 Pre-Drilling Meeting

On November 21, 2019 Hydro-Logic personnel mobilized to the site to conduct a Pre-Drilling meeting with Preferred Drilling Solutions, Inc. (PDS) personnel to go over the proposed scope of work (SOW) and to locate the existing onsite groundwater monitoring wells. However, Hydro-Logic and PDS personnel were unable to locate any of the existing monitoring wells while going over the proposed SOW. Meeting attendees included Chris Stewart (Hydro-Logic Project Manager) and Chris Burger of PDS. Hydro-Logic informed the COJ-EQD site manager of the pre drilling meeting findings and contacted Mr. Jeffery Foster with the COJ to inform him. Hydro-Logic asked Mr. Foster if he knew of any activities/change that had been performed and/or made to the site. Mr. Foster was able to find out that Jazz Fest (Music festival) had taken place at the site and the grass was completely destroyed. As a result the area was completely re-sodded and our monitoring wells were covered up and possibly destroyed in the process. After discussing with the COJ-EQD site manager Hydro-Logic submitted a request for change (RFC) to alter the SOW and add one additional groundwater monitoring well installation to replace monitoring well MW-1 (former TMW-2 location).

3.2 Soil Borings- February 2020

On February 26, 2020 Hydro-Logic personnel provided project direction and oversight during the advancement of eight (total) Direct Push Technology (DPT) soil borings for soil screening/site assessment purposes. One of the DPT soil borings (SB-17) was completed to approximately 29 ft. BLS by PDS so that

a deep grab groundwater sample could be collected. The remaining soil borings (SB-18 through SB-24 (MW-4)) were completed to approximately 16 ft. BLS. A site map showing the locations of the soil borings is included as **Figure 2**. The soil borings were screened for the presence of VOC's with a MiniRAE 3000 OVA-PID. Soil samples were screened every foot for the first six feet of the boring then every two feet afterward to the completion of each boring. A soil screening summary detailing site lithology and OVA readings is included as **Table 1**. Monitoring well MW-1R was not screened for the presence of VOC's since it was a replacement well. The observed onsite groundwater table was encountered at depths ranging from approximately 5-10 ft. BLS in the soil borings.

The soil screening results indicated that apparent petroleum contamination (in this case meaning OVA-PID VOC readings of >50 ppm) was present in three (SB-17 @ 4 ft. BLS, SB-19 @ 10 ft. BLS, and SB-23 @ 6-8 ft. BLS) of the eight soil boring locations. However, no petroleum odor was noted in soil boring SB-17 and a slight petroleum odor was detected in soil boings SB-20 (@ 6 ft. BLS) and SB-22 (@ 4 ft. BLS) but the OVA readings were below 50 ppm. The complete soil boring logs are included in **Attachment 1**. A map showing the OVA readings at each boring location is included as **Figure 3**.

Hydro-Logic was authorized to collect six soil samples for laboratory analysis during the February 2020 soil boring activities. Per the SOW Hydro-Logic was to collect three soil samples from the soil borings (SB-18, SB-19, and SB-20) around monitoring well MW-2 (which could no longer be located) as well as three samples from the soil borings (SB-21, SB-22, and SB-23) around monitoring well MW-1 (which could also not be located but was replaced with MW-1R). Based on the OVA screening soil samples were collected from SB-18 (@ 2-3 ft. BLS), SB-19 (@ 8-10 ft. BLS), SB-20 (@ 5-6 ft. BLS), SB-21 (@ 4-5 ft. BLS), SB-22 (@ 3-4 ft. BLS), and SB-23 (@ 6-8 ft. BLS). All soil samples were submitted to Pace Analytical Services, LLC.. (Pace) under proper COC procedures. The samples collected from soil borings SB-18 through SB-20 were analyzed for EPA Method 8270 constituents while the samples collected from soil borings SB-21 through SB-23 were analyzed for TRPH utilizing the FL-PRO Method.

3.3 Monitoring Well Installation

On February 26, 2020 Hydro-Logic personnel also directed the installation of two approved monitoring wells (MW-1R and MW-4) by PDS. Monitoring well MW-4 was installed in a pre-determined location while MW-1R was installed to replace monitoring well MW-1 (former TMW-2 location) since it could not be located due to it being covered up/destroyed during the re-sodding activities after Jazz Fest.

Both wells were developed utilizing a centrifugal pump until the observed discharge was clear and free of sediment. The monitoring well locations are depicted on **Figure 2**. Monitoring well construction and development logs are included in **Attachment 1**. A total of three drums of soil/drill cuttings were generated during the soil boring and monitoring well installation activities. The drums were picked up by Clark Environmental, Inc. on 3/26/2020. A copy of the disposal manifest is included in **Attachment 2**.

3.4 Soil Laboratory Analysis – TRPH

The TRPH by FL-PRO laboratory analysis showed that TRPH was not present above the laboratory MDL in the samples collected from soil boring locations SB-21, SB-22, and SB-23. Soil analytical results are summarized in **Tables 2A** through **2C**. A copy of the soil laboratory analytical report is included in **Attachment 3**.

3.5 Soil Laboratory Analysis – Non-Carcinogenic PAHs

The EPA Method 8270 laboratory analysis of the non-carcinogenic PAH compounds showed that no soil samples exceeded FDEP SCTLs for any of the analyzed constituents in the samples collected from soil borings SB-18, SB-19, and SB-20. Lower levels of compounds were however detected in the sample

collected from soil boring SB-18 (Acenaphthylene 0.20 mg/kg, Anthracene 0.23 mg/kg, Benzo (g,h,i) perylene 0.44 mg/kg, Fluoranthene 2.5 mg/kg, Phenanthrene 1.3 mg/kg, and Pyrene 1.9 mg/kg). Soil analytical results are summarized in **Tables 2A** through **2C**. A copy of the soil laboratory analytical report is included in **Attachment 3**.

3.6 Soil Laboratory Analysis – Carcinogenic PAHs

The EPA Method 8270 laboratory analysis of the carcinogenic PAH compounds showed that Benzo (a) Pyrene (0.96 mg/kg) and Benzo (a) anthracene (0.89 mg/kg) exceeded the FDEP SCTLs in soils collected from SB-18. The Benzo (a) Pyrene equivalent for the SB-18 sample was 1.4 mg/kg which exceeds the Industrial Direct Exposure SCTL of 0.7 mg/kg. The samples collect from soil borings SB-19 and SB-20 showed that all Carcinogenic PAH compounds were below laboratory MDLs. Soil analytical results are summarized in **Tables 2A** through **2C**. A copy of the complete laboratory analytical report for soil is included in **Attachment 3**. Groundwater analytical results for Carcinogenic PAH compounds are presented graphically on **Figure 4**. The Benzo (a) Pyrene Equivalents Conversion Tables are included in **Attachment 4**.

3.7 Direct Push Groundwater Sampling-February 2020

Hydro-Logic was authorized to collect one grab groundwater sample from selected borehole SB-17 during the February 26, 2020 soil boring/monitoring well installation activities. In order to collect the deep grab groundwater sample the soil boring SB-17 was advanced to 29 feet BLS and a four foot temporary stainless steel slotted well screen was inserted into the borehole from 25-29 ft. BLS by PDS. A peristaltic sampling pump was then utilized to collect the groundwater sample. The groundwater sample location is depicted on **Figures 2**. Groundwater was encountered between 5-10 ft. BLS in the soil borings. The groundwater samples were sent to Pace Analytical, Inc. and was analyzed for EPA Method 8260 BTEX+MTBE parameters, PAH's (EPA Method 8270), and TRPH (FL-PRO Method).

3.8 Groundwater Sampling of Monitoring Wells

On March 31, 2020 Hydro-Logic personnel mobilized to the site to conduct groundwater sampling activities. Hydro-Logic was authorized to gauge/sample the two newly installed monitoring wells. Hydro-Logic was also authorized to sample existing monitoring wells MW-1, MW-2, and MW-3 however they have been covered up/possibly destroyed and cannot be located. The monitoring well locations are depicted on **Figure 1**. Groundwater level measurements were recorded from the two monitoring wells prior to sample collection. The measured depth to groundwater in March 2020 ranged from 4.89 ft. BLS in MW-4 to 5.55 ft. BLS in MW-1R. Groundwater elevation/flow data for the March 31, 2020 sampling event is presented graphically on **Figure 5**. A groundwater elevation summary is included as **Table 3**. Based on the limited data the general direction of groundwater flow appears to primarily be to the southeast.

A peristaltic sampling pump was utilized to both purge and collect groundwater samples from the monitoring wells. An YSI Model 556 water quality meter and a Hannah Model HI 98703 turbidity meter were utilized to measure field parameters in accordance with current FDEP guidelines for groundwater sampling. Groundwater sampling logs and field notes are included in **Attachment 5**. All samples were sent to Pace Analytical, Inc. and were analyzed by EPA Method 8260 for BTEX+MTBE compounds, method 8270 for PAH compounds, and the FL-PRO method for TRPH.

3.9 Groundwater Laboratory Analysis – BTEX+MTBE

The groundwater laboratory analytical results for the samples collected from soil boring SB-17 (2/26/20) and monitoring wells MW-1R and MW-4 (3/31/20) showed that all analyzed BTEX/MTBE compounds were below laboratory MDLs. A copy of the complete laboratory analytical report is included in **Attachment 3**. The laboratory analytical results for groundwater are summarized in **Tables 4A** and **4B**.

3.10 Groundwater Laboratory Analysis – TRPH and PAHs

The laboratory analytical results revealed that all analyzed PAH compounds and TRPH were below laboratory MDLs in the grab groundwater sample from SB-17 and both monitoring wells sampled (MW-1R and MW-4). A copy of the complete laboratory analytical report is included in **Attachment 3**. The groundwater laboratory analytical results are summarized in **Tables 4A** and **4B**.

4.0 CONCLUSIONS and RECOMMENDATIONS

Based upon the results of the field activities performed at the Former A-1 Auto Park, Inc. facility in February through March 2020, the following conclusions/recommendations are made by Hydro-Logic:

- Completion of the supplemental soil boring assessment identified the possible presence of petroleum impacted soils in the southeast portion of the Courthouse property. Based on OVA data and petroleum odors in the soils the contamination appears to be primarily located in the vicinity of soil borings SB-17, SB-19, and SB-23.

- The elevated OVA readings and petroleum odors observed during the soil boring activities were not confirmed by the soil sampling analytical results. The samples collected from soil borings SB-17, SB-19, and SB-23 did not show any test compounds present above laboratory MDLs. However, the sample collected from soil boring location SB-18 showed that Benzo (a) pyrene and Benzo (a) anthracene exceeded FDEP SCTLs as did the Benzo (a) pyrene equivalent (1.4 mg/kg) for commercial direct exposure (0.7 mg/kg). The sample collected from soil boring SB-18 had not observed petroleum odor and had a high OVA reading of 1.5 ppm at 2-3 ft. BLS.

- Laboratory analytical results from the direct push deep grab groundwater sample and the samples collected from new monitoring wells MW-1R and MW-4 showed no tested compounds were present above the laboratory MDLs.

- Hydro-Logic recommends additional assessment be conducted including soil borings in the vicinity of former monitoring well MW-2 and soil borings SB-17 through SB-20. Hydro-Logic also recommends replacing monitoring well MW-2 to confirm groundwater concentrations in that area and to help better determine groundwater flow direction.

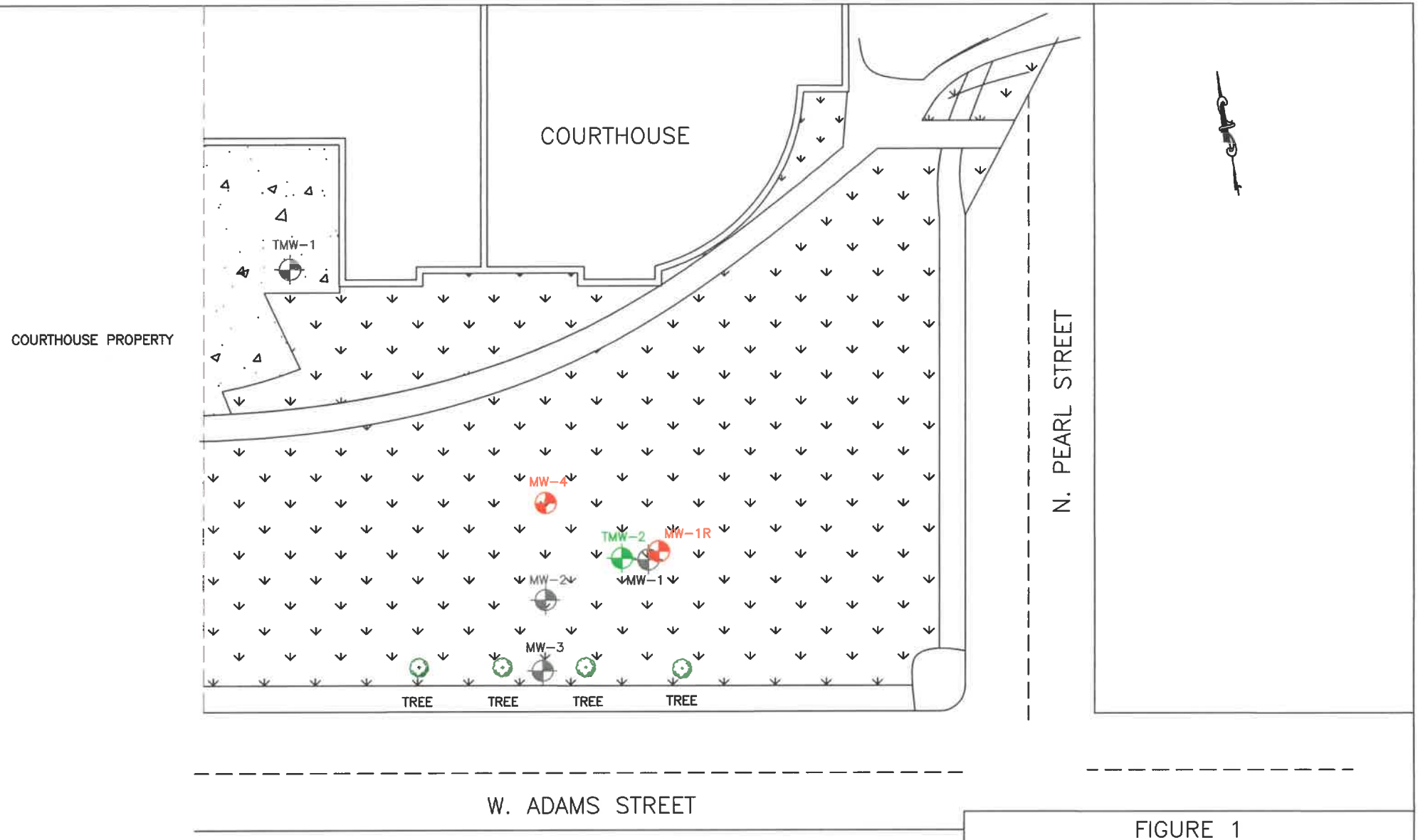
- Due to the size of the site and lack of distinctive features or landmarks Hydro-Logic recommends that a professional land survey (PLS) be completed.

Ms. Jennings, please do not hesitate to contact us at (727) 724-8337 should you have any questions or require additional information. Hydro-Logic recommends a conference call to discuss the SSA Report findings and recommendations.

Sincerely,
Hydro-Logic Associates, Inc.

Chris Stewart
Project Manager

FIGURES



LEGEND

- NEW MONITORING WELL LOCATION
- FORMER TEMPORARY MONITORING WELL LOCATION
- LOST/DESTROYED MONITORING WELL LOCATION

0 25 50

SCALE
1" = 50'

FIGURE 1
SITE MAP
A-1 AUTO PARK, INC.
425 W. ADAMS STREET
JACKSONVILLE, FLORIDA 32202

PROJECT NO.	PREPARED BY	DRAWN BY	
PRP-039	CRS	CJM	HLA INC.
DATE	REVIEWED BY	FAC. ID:	Hydro-Logic Associates, Inc.
5/26/20	TJM	16/9600048	Clearwater, Florida

LEGEND

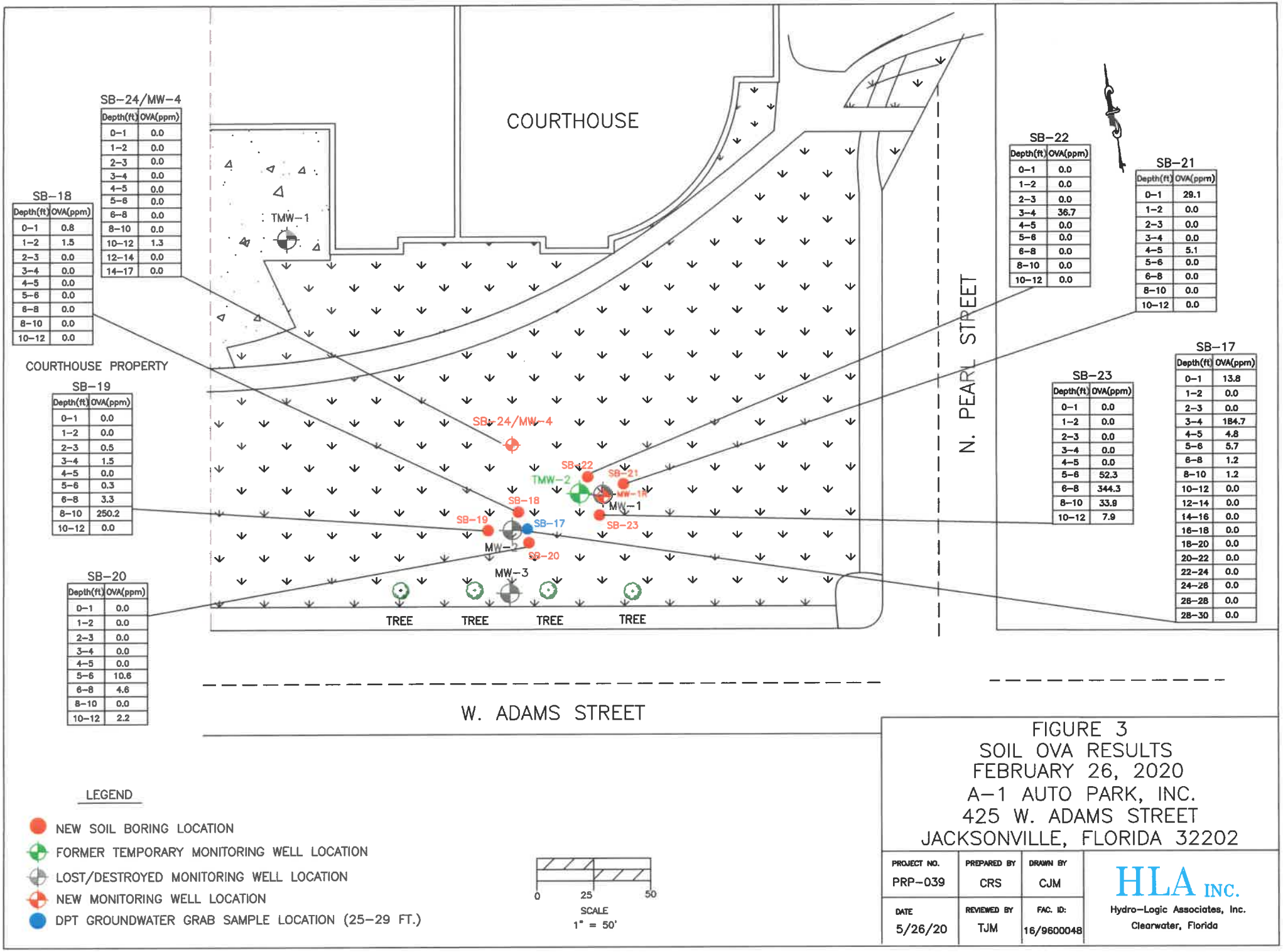
- NEW SOIL BORING LOCATION
- FORMER TEMPORARY MONITORING WELL LOCATION
- LOST/DESTROYED MONITORING WELL LOCATION
- NEW MONITORING WELL LOCATION
- DPT GROUNDWATER GRAB SAMPLE LOCATION (25–29 FT.)

0 25 50
SCALE
1" = 50'

FIGURE 2
SOIL BORING LOCATION MAP
FEBRUARY 26, 2020
A–1 AUTO PARK, INC.
425 W. ADAMS STREET
JACKSONVILLE, FLORIDA 32202

PROJECT NO.	PREPARED BY	DRAWN BY
PRP–039	CRS	CJM
DATE	REVIEWED BY	FAC. ID:
5/26/20	TJM	16/9600048

HLA INC.
Hydro–Logic Associates, Inc.
Clearwater, Florida



SB-24/MW-4

Depth(ft)	OVA(ppm)
0-1	0.0
1-2	0.0
2-3	0.0
3-4	0.0
4-5	0.0
5-6	0.0
6-8	0.0
8-10	0.0
10-12	1.3
12-14	0.0
14-17	0.0

SB-18

Depth(ft)	OVA(ppm)
0-1	0.8
1-2	1.5
2-3	0.0
3-4	0.0
4-5	0.0
5-6	0.0
6-8	0.0
8-10	0.0
10-12	0.0

SB-19

Depth(ft)	OVA(ppm)
0-1	0.0
1-2	0.0
2-3	0.5
3-4	1.5
4-5	0.0
5-6	0.3
6-8	3.3
8-10	250.2
10-12	0.0

SB-20

Depth(ft)	OVA(ppm)
0-1	0.0
1-2	0.0
2-3	0.0
3-4	0.0
4-5	0.0
5-6	10.6
6-8	4.6
8-10	0.0
10-12	2.2

SB-22

Depth(ft)	OVA(ppm)
0-1	0.0
1-2	0.0
2-3	0.0
3-4	36.7
4-5	0.0
5-6	0.0
6-8	0.0
8-10	0.0
10-12	0.0

SB-21

Depth(ft)	OVA(ppm)
0-1	29.1
1-2	0.0
2-3	0.0
3-4	0.0
4-5	5.1
5-6	0.0
6-8	0.0
8-10	0.0
10-12	0.0

SB-23

Depth(ft)	OVA(ppm)
0-1	0.0
1-2	0.0
2-3	0.0
3-4	0.0
4-5	0.0
5-6	52.3
6-8	344.3
8-10	33.8
10-12	7.9

SB-17

Depth(ft)	OVA(ppm)
0-1	13.8
1-2	0.0
2-3	0.0
3-4	184.7
4-5	4.8
5-6	5.7
6-8	1.2
8-10	1.2
10-12	0.0
12-14	0.0
14-16	0.0
16-18	0.0
18-20	0.0
20-22	0.0
22-24	0.0
24-26	0.0
26-28	0.0
28-30	0.0

LEGEND

- NEW SOIL BORING LOCATION
- FORMER TEMPORARY MONITORING WELL LOCATION
- LOST/DESTROYED MONITORING WELL LOCATION
- NEW MONITORING WELL LOCATION
- DPT GROUNDWATER GRAB SAMPLE LOCATION (25-29 FT.)

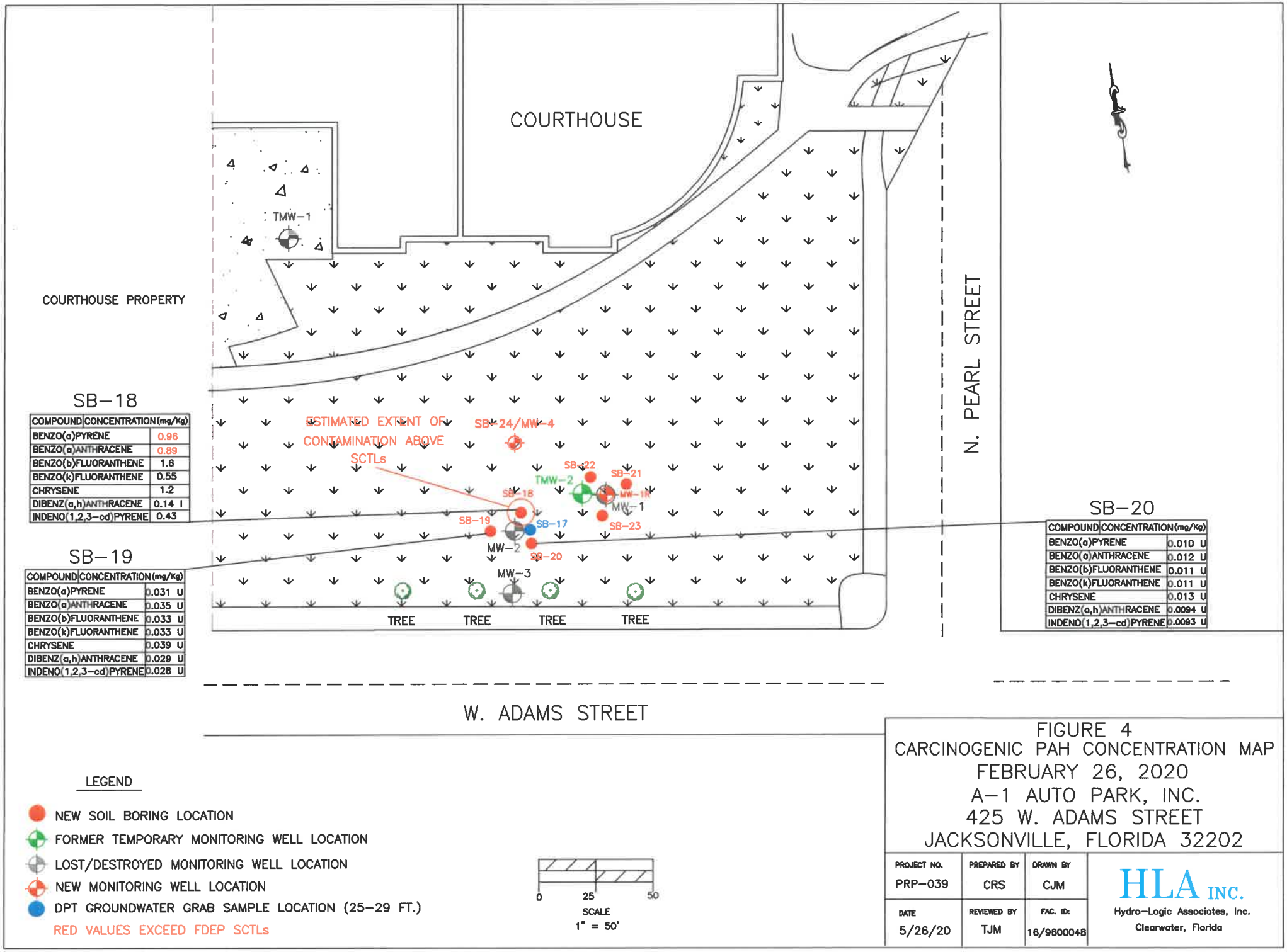
0 25 50

SCALE
1" = 50'

FIGURE 3
SOIL OVA RESULTS
FEBRUARY 26, 2020
A-1 AUTO PARK, INC.
425 W. ADAMS STREET
JACKSONVILLE, FLORIDA 32202

PROJECT NO.	PREPARED BY	DRAWN BY
PRP-039	CRS	CJM
DATE	REVIEWED BY	FAC. ID:
5/26/20	TJM	16/9600048

HLA INC.
Hydro-Logic Associates, Inc.
Clearwater, Florida



SB-18

COMPOUND	CONCENTRATION (mg/Kg)
BENZO(a)PYRENE	0.96
BENZO(a)ANTHRACENE	0.89
BENZO(b)FLUORANTHENE	1.6
BENZO(k)FLUORANTHENE	0.55
CHRYSENE	1.2
DIBENZ(a,h)ANTHRACENE	0.14 I
INDENO(1,2,3-cd)PYRENE	0.43

SB-19

COMPOUND	CONCENTRATION (mg/Kg)
BENZO(a)PYRENE	0.031 U
BENZO(a)ANTHRACENE	0.035 U
BENZO(b)FLUORANTHENE	0.033 U
BENZO(k)FLUORANTHENE	0.033 U
CHRYSENE	0.039 U
DIBENZ(a,h)ANTHRACENE	0.029 U
INDENO(1,2,3-cd)PYRENE	0.028 U

SB-20

COMPOUND	CONCENTRATION (mg/Kg)
BENZO(a)PYRENE	0.010 U
BENZO(a)ANTHRACENE	0.012 U
BENZO(b)FLUORANTHENE	0.011 U
BENZO(k)FLUORANTHENE	0.011 U
CHRYSENE	0.013 U
DIBENZ(a,h)ANTHRACENE	0.0084 U
INDENO(1,2,3-cd)PYRENE	0.0093 U

LEGEND

- NEW SOIL BORING LOCATION
- FORMER TEMPORARY MONITORING WELL LOCATION
- LOST/DESTROYED MONITORING WELL LOCATION
- NEW MONITORING WELL LOCATION
- DPT GROUNDWATER GRAB SAMPLE LOCATION (25-29 FT.)

RED VALUES EXCEED FDEP SCTLs

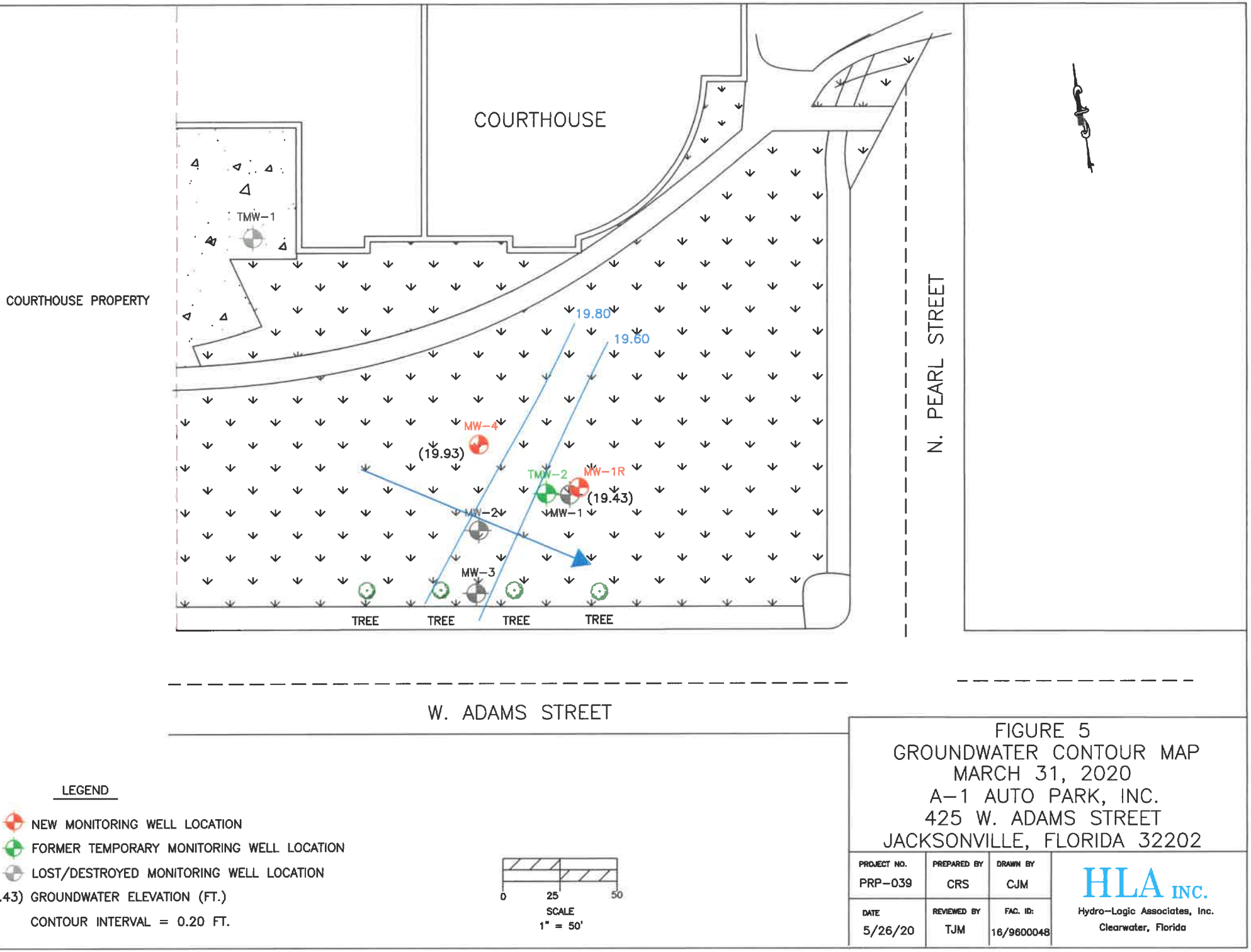
0 25 50

SCALE
1" = 50'

FIGURE 4
CARCINOGENIC PAH CONCENTRATION MAP
FEBRUARY 26, 2020
A-1 AUTO PARK, INC.
425 W. ADAMS STREET
JACKSONVILLE, FLORIDA 32202

PROJECT NO.	PREPARED BY	DRAWN BY
PRP-039	CRS	CJM
DATE	REVIEWED BY	FAC. ID:
5/26/20	TJM	16/9600048

HLA INC.
Hydro-Logic Associates, Inc.
Clearwater, Florida



LEGEND

- NEW MONITORING WELL LOCATION
- FORMER TEMPORARY MONITORING WELL LOCATION
- LOST/DESTROYED MONITORING WELL LOCATION
- (19.43) GROUNDWATER ELEVATION (FT.)
- CONTOUR INTERVAL = 0.20 FT.

0 25 50
SCALE
1" = 50'

FIGURE 5
GROUNDWATER CONTOUR MAP
MARCH 31, 2020
A-1 AUTO PARK, INC.
425 W. ADAMS STREET
JACKSONVILLE, FLORIDA 32202

PROJECT NO.	PREPARED BY	DRAWN BY
PRP-039	CRS	CJM
DATE	REVIEWED BY	FAC. ID:
5/26/20	TJM	16/9600048

HLA INC.
Hydro-Logic Associates, Inc.
Clearwater, Florida

TABLES

TABLE 1: SOIL SCREENING SUMMARY

Facility Name: A-1 Auto Park Inc. **Facility ID#: 169600048**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-1	9/19/2018	6-8	1	NA	14.5	14.5	VF-F Brown Sand with rock debris, Dry, No odor
			2	NA	4.4	4.4	VF-F Brown Sand with rock debris, Dry, No odor
			3	NA	0.1	0.1	VF-F Light Brown/Brown Sand, Dry, No odor
			4	NA	2010.0	2010.0	VF-F Brown Sand with organic mulch material, Dry, Petro odor
			5	NA	1557.0	1557.0	VF-F Grey stained sand with organic mulch material, moist, No odor
			6	NA	339.7	339.7	VF-F Brown Sand, Moist, Petro odor
			8	NA	8.5	8.5	VF-F Light Brown Clayey Sand, Wet, No odor
			10	NA	21.4	21.4	VF-F Light Brown Clayey Sand, Wet, No odor
SB-2	9/19/2018	8-10	1	NA	2.9	2.9	VF-F Brown Sand with organic material, Dry, No odor
			2	NA	0.2	0.2	VF-F Brown Sand with rock debris, Dry, No odor
			3	NA	0.0	0.0	VF-F Brown Sand with rock debris, Dry, No odor
			4	NA	0.9	0.9	VF-F Brown Sand with rock debris, Dry, No odor
			5	NA	13.1	13.1	VF-F Brown/Tan Sand, Moist, No odor
			6	NA	49.4	49.4	VF-F Brown/Light Brown Sand, Moist, No odor
			8	NA	41.6	41.6	VF-F Brown/Tan/Light Brown Sand, Moist, No odor
			10	NA	2.4	2.4	VF-F Light Brown Clayey Sand, Moist, No odor
SB-3	9/19/2018	6-8	1	NA	12.8	12.8	VF-F Brown Sand with organic material, Dry, No odor
			2	NA	0.0	0.0	VF-F Brown Sand with rock debris, Dry, No odor
			3	NA	0.5	0.5	VF-F Brown Sand with rock debris, Dry, No odor
			4	NA	0.0	0.0	VF-F Brown/Dark Brown Sand with rock debris, Dry, No odor
			5	NA	0.0	0.0	VF-F Light Brown Sand, Moist, No odor
			6	NA	0.0	0.0	VF-F Light Brown Sand, Moist, No odor
			8	NA	1.9	1.9	VF-F Brown Clayey Sand, Wet, No odor
			10	NA	0.7	0.7	VF-F Brown Clayey Sand, Wet, No odor
SB-4	9/19/2018	8-10	1	NA	0.0	0.0	VF-F Brown Sand with rock debris, Dry, No odor
			2	NA	1.4	1.4	VF-F Brown Sand with rock debris, Dry, No odor
			3	NA	1.6	1.6	VF-F Light Brown/Brown Sand, Dry, No odor
			4	NA	4.5	4.5	VF-F Brown Sand with rock debris, Dry, No odor
			5	NA	1.3	1.3	VF-F Brown/Tan sand, dry, No odor
			6	NA	0.8	0.8	VF-F Light Brown/Dark Brown Sand, Moist, No odor
			8	NA	0.1	0.1	VF-F Light Brown Clayey Sand, Moist, No odor
			10	NA	1.1	1.1	VF-F Brown/Light Brown Clayey Sand, Moist, No odor
SB-5	9/19/2018	8-10	1	NA	9.9	9.9	VF-F Brown Sand with rock debris, Dry, No odor
			2	NA	0.9	0.9	VF-F Brown Sand with rock debris, Dry, No odor
			3	NA	0.2	0.2	VF-F Brown Sand with rock debris, Dry, No odor
			4	NA	1.6	1.6	VF-F Brown/Tan Sand with rock debris, Dry, No odor
			5	NA	9.6	9.6	VF-F Brown Sand, Dry, No odor
			6	NA	393.1	393.1	VF-F Brown/Grey Sand, Moist, No odor
			8	NA	2019.0	2019.0	VF-F Light Brown/Tan Sand, Moist, Petro odor
			10	NA	181.5	181.5	VF-F Grey stained Tan Clayey Sand, Moist, Petro odor
SB-6	9/19/2018	8-10	1	NA	42.3	42.3	VF-F Brown Sand with organic material, Dry, No odor
			2	NA	0.1	0.1	VF-F Brown Sand with rock debris, Dry, No odor
			3	NA	0.6	0.6	VF-F Brown Sand with rock debris, Dry, No odor
			4	NA	0.0	0.0	VF-F Brown/Tan Sand with rock debris, Dry, No odor
			5	NA	2.8	2.8	VF-F Brown Sand, Dry, No odor
			6	NA	4.5	4.5	VF-F Brown/Grey Sand with rock debris, Dry, No odor
			8	NA	2111.0	2111.0	VF-F Light Brown/Tan Sand. Moist, Petro odor
			10	NA	409.7	409.7	VF-F Grey stained Tan Clayey Sand, Moist, Petro odor
SB-7	9/19/2018	8-10	1	NA	184.2	184.2	VF-F Dark Brown Sand with organic material, Dry, No odor
			2	NA	395.2	395.2	VF-F Light Brown/Grey Sand with rock debris, Dry, No odor
			3	NA	1110.0	1110.0	VF-F Light Brown/Grey Sand with rock debris, Dry, Slight petro odor
			4	NA	245.3	245.3	VF-F Brown/Grey Sand with rock debris, Dry, Slight petro odor
			5	NA	747.7	747.7	VF-F Brown/Tan/Grey sand, dry, Slight Petro odor
			6	NA	48.6	48.6	VF-F Brown Sand, Moist, no odor
			8	NA	407.6	407.6	VF-F Tan Silty Sand, Moist, Petro odor
			10	NA	157.1	157.1	VF-F Tan Silty Sand, Moist, Petro odor
SB-8	9/19/2018	6-8	1	NA	131.7	131.7	VF-F Brown/Tan Sand, Dry, No odor
			2	NA	1.3	1.3	VF-F Dark Brown Sand with rock debris, Dry, No odor
			3	NA	29.6	29.6	VF-F Brown/Tan/Orange Sand with rock debris, Dry, No odor
			4	NA	112.9	112.9	VF-F Brown/Grey Sand with rock debris, Dry, No odor
			5	NA	7.8	7.8	VF-F Brown/Tan sand with small debris, moist, No odor
			6	NA	0.9	0.9	VF-F Brown/Tan sand with small debris, moist, No odor
			8	NA	2.8	2.8	VF-F Light Brown/Tan Sand, Moist, No odor
			10	NA	0.8	0.8	VF-F Light Brown Silty Sand, Wet, No odor

TABLE 1: SOIL SCREENING SUMMARY

Facility Name: A-1 Auto Park Inc. **Facility ID#: 169600048**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-9	9/19/2018	8-10	1	NA	27.2	27.2	VF-F Dark Brown Sand with organic material, Dry, No odor
			2	NA	0.5	0.5	VF-F Light Brown/Brown Sand with rock debris, Dry, No odor
			3	NA	1.1	1.1	VF-F Light Brown/Tan/White Sand, Dry, No odor
			4	NA	0.2	0.2	VF-F Brown/Tan/White Sand, Dry, no odor
			5	NA	65.1	65.1	VF-F Brown/Dark Brown sand with mulch like material, moist, Slight Petro odor
			6	NA	0.8	0.8	VF-F White/Brown Sand, Moist, no odor
			8	NA	2.5	2.5	VF-F White/Tan Sand, Moist, No odor
			10	NA	0.0	0.0	VF-F Brown/White/Tan Sand, Moist, No odor
SB-10	9/19/2018	8-10	1	NA	5.7	5.7	VF-F Brown/Tan Sand, Dry, No odor
			2	NA	4.3	4.3	VF-F Brown/Tan Sand, Dry, No odor
			3	NA	0.0	0.0	VF-F Brown/Light Brown Sand, Dry, No odor
			4	NA	4.0	4.0	VF-F Brown/Tan Sand, Dry, No odor
			5	NA	0.0	0.0	VF-F Brown/Tan Sand, Moist, No odor
			6	NA	0.0	0.0	VF-F Brown/Tan Sand, Moist, No odor
			8	NA	1.6	1.6	VF-F Brown/Tan Clayey Sand, Moist, No odor
			10	NA	32.9	32.9	VF-F Brown/Tan Clayey Sand with rock debris, dry, No odor
SB-11	9/19/2018	8-10	1	NA	2.2	2.2	VF-F Brown Sand with organic material, Dry, No odor
			2	NA	0.2	0.2	VF-F Brown Sand with rock debris, Dry, No odor
			3	NA	0.0	0.0	VF-F Brown Sand with rock debris, Dry, No odor
			4	NA	4.5	4.5	VF-F Brown Sand with rock debris, Dry, No odor
			5	NA	0.4	0.4	VF-F Dark Brown/Grey stained Sand, Moist, No odor
			6	NA	0.0	0.0	VF-F Dark Brown Sand, Moist, No odor
			8	NA	0.0	0.0	VF-F Brown Sand, Moist, No odor
			10	NA	0.0	0.0	VF-F Brown Sand, Moist, No odor
SB-12	9/19/2018	8-10	1	NA	2.2	2.2	VF-F Brown Sand with organic material, Dry, No odor
			2	NA	0.3	0.3	VF-F Brown Sand with rock debris, Dry, No odor
			3	NA	0.1	0.1	VF-F Brown/Tan Sand with rock debris, Dry, No odor
			4	NA	0.0	0.0	VF-F Brown Sand with rock debris, Dry, No odor
			5	NA	0.0	0.0	VF-F Brown Sand, Moist, No odor
			6	NA	0.0	0.0	VF-F Brown Sand, Moist, No odor
			8	NA	3.4	3.4	VF-F Brown Sand with rock debris, Moist, No odor
			10	NA	86.7	86.7	VF-F Brown/Tan Clayey Sand with rock debris, dry, No odor
SB-3R	3/14/2019	5-6	1	NA	0.0	0.0	VF-F Dark Brown Sand with rock debris, Dry, No odor
			2	NA	0.0	0.0	VF-F Brown Sand with rock debris, Dry, No odor
			3	NA	0.0	0.0	VF-F Brown Sand with rock debris, Dry, No odor
			4	NA	0.0	0.0	VF-F Dark Brown Sand with rock debris, Dry, No odor
			5	NA	0.0	0.0	VF-F Dark Brown Sand, Moist, No odor
			6	NA	0.0	0.0	VF-F Dark Brown Sand, Wet, No odor
			8	NA	0.0	0.0	VF-F Brown Sand, Wet, No odor
			10	NA	0.0	0.0	VF-F Brown Sand, Moist, No odor
SB-6R/MW-1	3/14/2019	6-8	1	NA	0.0	0.0	VF-F Brown Sand with organic material, Dry, No odor
			2	NA	0.0	0.0	VF-F Light/Brown Sand, Dry, No odor
			3	NA	0.0	0.0	VF-F Light Brown/Tan Sand, Dry, No odor
			4	NA	0.0	0.0	VF-F Brown/Tan Sand with rock debris, Dry, No odor
			5	NA	0.0	0.0	VF-F Dark/Brown Sand with rock, Dry, No odor
			6	NA	0.0	0.0	VF-F Light Brown/White Sand with rock debris, Moist, No odor
			8	NA	0.5	0.5	VF-F Dark Brown/Tan Sand with rock debris Moist, No odor
			10	NA	0.0	0.0	VF-F Dark/Light Brown Sand Moist, Slight Petro odor
			12	NA	0.0	0.0	VF-F Dark/Light Brown Sand, Wet, Slight No odor
			14	NA	0.2	0.2	VF-F Dark Brown Sand, Wet, Slight No odor
			16	NA	0.0	0.0	VF-F Grey Clayey Sand, Moist, No odor
			18	NA	0.0	0.0	VF-F Grey/Light Brown Clayey Sand, Moist, No odor
			20	NA	0.0	0.0	VF-F Grey/Light Brown Clayey Sand, Moist, No odor
SB-7RMW-2	3/14/2019	4-5	1	NA	0.0	0.0	VF-F Dark/Brown Sand, Dry, No odor
			2	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			3	NA	0.6	0.6	VF-F Brown Sand, Dry, No odor
			4	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			5	NA	0.8	0.8	VF-F Brown Sand with rock debris, Dry, No odor
			6	NA	0.0	0.0	VF-F Dark Brown Sand, Wet, No odor
			8	NA	1.0	1.0	VF-F Dark Brown Sand, Moist, Slight Petro odor
			10	NA	6.7	6.7	VF-F Tan Sand with organic material, Moist, Slight Petro odor
			12	NA	0.2	0.2	VF-F Tan Sand, Moist, Slight Petro odor
			14	NA	0.0	0.0	VF-F Tan/Light Brown Sand Moist, No odor
			16	NA	0.9	0.9	VF-F Tan/Light Brown Sand Moist, Slight Petro odor
			18	NA	0.0	0.0	VF-F White Sand Moist, No odor
			20	NA	0.4	0.4	VF-F Light Brown Clayey Sand Moist, Slight Petro odor

TABLE 1: SOIL SCREENING SUMMARY

Facility Name: A-1 Auto Park Inc. **Facility ID#: 169600048**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-13/MW-3	3/14/2019	4-5	1	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			2	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			3	NA	0.0	0.0	VF-F Dark/Brown Sand, Dry, No odor
			4	NA	0.0	0.0	VF-F Dark/Brown Sand, Dry, No odor
			5	NA	0.0	0.0	VF-F Brown Sand, Moist, No odor
			6	NA	0.0	0.0	VF-F Brown Sand, Wet, No odor
			8	NA	0.0	0.0	VF-F Brown Sand, Wet, Slight Petro odor
			10	NA	0.0	0.0	VF-F Light Brown Sand Wet, Slight Petro odor
			12	NA	0.0	0.0	VF-F Dark/Light Brown Sand, Wet, Slight No odor
			14	NA	0.1	0.1	VF-F Light Brown Sand Wet, Slight Petro odor
			16	NA	7.0	7.0	VF-F Light Brown Sand Wet, Slight Petro odor
			18	NA	7.5	7.5	VF-F Light Brown Sand Wet, Petro odor
			20	NA	10.6	10.6	VF-F Light Brown Sand Wet, No odor
SB-14	3/14/2019	6-8	1	NA	0.0	0.0	VF-F Dark/Brown Sand, Dry, No odor
			2	NA	0.0	0.0	VF-F Dark/Brown Sand with rock debris, Dry, No odor
			3	NA	0.0	0.0	VF-F Light/Brown Sand, Dry, No odor
			4	NA	0.0	0.0	VF-F Light Brown Sand, Dry, No odor
			5	NA	0.0	0.0	VF-F Dark Brown Sand, Dry, No odor
			6	NA	0.0	0.0	VF-F Dark Brown Sand, Dry, No odor
			8	NA	0.0	0.0	VF-F Light/Brown Sand, Moist, No odor
			10	NA	0.0	0.0	VF-F Light/Brown Sand, Wet, No odor
SB-15	3/14/2019	2-3	1	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			2	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			3	NA	0.0	0.0	VF-F Dark/Light Brown Sand, Moist, No odor
			4	NA	0.0	0.0	VF-F Light Brown Sand, Moist, No odor
			5	NA	0.0	0.0	VF-F Dark Brown Sand, Moist, No odor
			6	NA	0.6	0.6	VF-F Dark Brown Sand, Moist, No odor
			8	NA	0.0	0.0	VF-F Brown Sand, Wet, No odor
			10	NA	0.0	0.0	VF-F Brown Sand, Wet, No odor
SB-16	3/14/2019	8-10	1	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			2	NA	0.0	0.0	VF-F Light/Brown Sand, Dry, No odor
			3	NA	0.0	0.0	VF-F Light/Brown Sand, Dry, No odor
			4	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			5	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			6	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			8	NA	0.0	0.0	VF-F Brown Sand, Dry, No odor
			10	NA	0.0	0.0	VF-F Brown Sand, Moist, No odor
SB-17	2/26/2020	5-6	1	NA	13.8	13.8	VF-F brown/grey sand, dry, no odor
			2	NA	0.0	0.0	VF-F brown/grey sand, dry, no odor
			3	NA	0.0	0.0	VF-F brown/grey silty sand, dry, no odor
			4	NA	184.7	184.7	VF-F brown/grey/red silty sand, moist, no odor
			5	NA	4.8	4.8	VF-F brown/light grey clayey sand, moist, no odor
			6	NA	5.7	5.7	VF-F dark brown silty sand, wet, no odor
			8	NA	1.2	1.2	VF-F light grey/green sandy clay, wet, no odor
			10	NA	1.2	1.2	VF-F light grey/green sandy clay, wet, no odor
			12	NA	0.0	0.0	VF-F light grey/brown sandy clay, wet, no odor
			14	NA	0.0	0.0	VF-F light grey sandy clay, wet, no odor
			16	NA	0.0	0.0	VF-F light grey sand, saturated, no odor
			18	NA	0.0	0.0	VF-F light grey sand, wet, no odor
			20	NA	0.0	0.0	VF-F light grey/brown sand, wet, no odor
			22	NA	0.0	0.0	VF-F light grey/dark brown sand, wet, no odor
			24	NA	0.0	0.0	VF-F light grey/dark brown sand, wet, no odor
			26	NA	0.0	0.0	VF-F light grey/dark brown sandy clay, wet, no odor
			28	NA	0.0	0.0	VF-F light grey/dark brown sandy clay, wet, no odor
			30	NA	0.0	0.0	VF-F light grey/dark brown sandy clay, wet, no odor

TABLE 1: SOIL SCREENING SUMMARY

Facility Name: A-1 Auto Park Inc. **Facility ID#: 169600048**

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-18	2/26/2020	5-6	1	NA	0.8	0.8	Dark brown VF-F grain sand, dry, no odor
			2	NA	1.5	1.5	Dark brown VF-F grain sand, dry, no odor
			3	NA	0.0	0.0	Dark brown VF-F grain sand, dry, no odor
			4	NA	0.0	0.0	Brown/grey VF-F sand, dry, no odor
			5	NA	0.0	0.0	Brown VF-F sand, dry, no odor
			6	NA	0.0	0.0	Dark brown VF-F grain sand, moist, no odor
			8	NA	0.0	0.0	Brown/grey VF-F grain sandy clay, moist, no odor
			10	NA	0.0	0.0	Brown/grey VF-F grain sandy clay, moist, no odor
			12	NA	0.0	0.0	Brown/grey VF-F grain sandy clay, moist, no odor
SB-19	2/26/2020	5-6	1	NA	0.0	0.0	Dark brown VF-F grain silty sand, no odor
			2	NA	0.0	0.0	Dark brown VF-F grain silty sand, no odor
			3	NA	0.5	0.5	Dark brown VF-F grain silty sand, no odor
			4	NA	1.5	1.5	Dark brown/tan VF-F grain silty sand, no odor
			5	NA	0.0	0.0	Light grey/brown VF-F grain silty sand, no odor
			6	NA	0.3	0.3	Dark brown VF-F grain sand with grey clayey sand, moist, no odor
			8	NA	3.3	3.3	Dark brown VF-F grain sand, moist, no odor
			10	NA	250.2	250.2	Brown VF-F grain sand with green-grey stained VF-F sand, grey sandy clay, moist, slight petro odor
			12	NA	0.0	0.0	Grey/green VF-F grain sandy clay, moist, no odor
SB-20	2/26/2020	5-6	1	NA	0.0	0.0	Dark brown VF-F grain silty sand, dry, no odor
			2	NA	0.0	0.0	Dark brown VF-F grain silty sand, dry, no odor
			3	NA	0.0	0.0	Dark/light brown VF-F grain silty sand, dry no odor
			4	NA	0.0	0.0	Dark brown VF-F grain silty sand, wet, no odor
			5	NA	0.0	0.0	Dark brown VF-F grain silty sand, wet, no odor
			6	NA	10.6	10.6	Dark/light brown VF-F grain sand, moist, slight petro odor
			8	NA	4.6	4.6	Light brown/grey VF-F sand, moist, no odor
			10	NA	0.0	0.0	Grey VF-F grain sand, moist, no odor
			12	NA	2.2	2.2	Grey VF-F grain sand, wet, no odor
SB-21	2/26/2020	6-8	1	NA	29.1	29.1	Dark brown VF-F grain sand, dry, no odor
			2	NA	0.0	0.0	Brown/orange VF-F grain sand, dry, no odor
			3	NA	0.0	0.0	Dark brown VF-F grain sand, dry, no odor
			4	NA	0.0	0.0	Brown/ light brown VF-F grain sand, dry, no odor
			5	NA	5.1	5.1	Dark brown VF-F grain sand, dry, no odor
			6	NA	0.0	0.0	Dark brown VF-F grain sand, dry, no odor
			8	NA	0.0	0.0	Dark brown/tan VF-F grain sand, no odor
			10	NA	0.0	0.0	Grey VF-F grain sandy clay, moist, no odor
			12	NA	0.0	0.0	Grey VF-F grain sandy clay, wet, no odor
SB-22	2/26/2020	8-10	1	NA	0.0	0.0	Dark brown VF-F grain sand, dry, no odor
			2	NA	0.0	0.0	Dark brown VF-F grain sand, dry, no odor
			3	NA	0.0	0.0	Dark brown/brown VF-F grain sand, dry, no odor
			4	NA	36.7	36.7	Dark brown VF-F grain sand, dry, slight petro odor
			5	NA	0.0	0.0	Dark brown VF-F grain sand, dry, no odor
			6	NA	0.0	0.0	Tan/brown VF-F grain sand, dry, no odor
			8	NA	0.0	0.0	Tan/white VF-F grain sand, dry, no odor
			10	NA	0.0	0.0	Tan/grey VF-F grain sand, moist, no odor
			12	NA	0.0	0.0	Grey/green VF-F grain sandy clay, wet, no odor
SB-23	2/26/2020	8-10	1	NA	0.0	0.0	Brown VF-F grain sand, dry, no odor
			2	NA	0.0	0.0	Tan/white VF-F grain sand, dry, no odor
			3	NA	0.0	0.0	Dark brown VF-F grain sand with red VF-F grain sandy clay, dry, no odor
			4	NA	0.0	0.0	Light/dark brown VF-F grain sand, dry, no odor
			5	NA	0.0	0.0	Brown/tan VF-F grain sand, dry, no odor
			6	NA	52.3	52.3	Brown/tan VF-F grain sand, dry, petro odor
			8	NA	344.3	344.3	Brown/tan VF-F grain sand, moist, petro odor
			10	NA	33.9	33.9	Light brown/tan VF-F grain sand, moist, slight petro odor
			12	NA	7.9	7.9	Grey VF-F grain sandy clay, wet, sulpher odor
SB-24/MW-4	2/26/2020	6-8	1	NA	0.0	0.0	Brown/dark brown VF-F grain sand, dry, no odor
			2	NA	0.0	0.0	Dark brown VF-F grain sand , dry, no odor
			3	NA	0.0	0.0	Brown/tan VF-F grain sand, dry, no odor
			4	NA	0.0	0.0	Brown/grey VF-F grain sand, dry, no odor
			5	NA	0.0	0.0	Dark brown/brown VF-F grain sand , dry, no odor
			6	NA	0.0	0.0	Brown VF-F grain sand, dry, no odor
			8	NA	0.0	0.0	Tan VF-F grain sand, moist, no odor
			10	NA	0.0	0.0	Grey VF-F grain sandy clay, wet, no odor
			12	NA	1.3	1.3	Green/grey VF-F grain sandy clay, wet, no odor
			14	NA	0.0	0.0	Green/grey VF-F grain sandy clay, wet, no odor
			17	NA	0.0	0.0	Green/grey VF-F grain sandy clay, wet, no odor

NA = Not Applicable/Not Previously Reported
ND = Not Detected
OVA/PID = Organic Vapor Analyzer equipped with a Photo Ionization Detector
OVA/FID = Organic Vapor Analyzer equipped with a Flame Ionization Detector
PPM = Parts Per Million

TABLE 2A: SOIL ANALYTICAL SUMMARY - VOAs, TRPHs and Metals

Facility ID#: 169600048 **Facility Name: A-1 Auto Park, Inc.** See notes at end of table.

Sample				OVA	Laboratory Analyses										
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Benzene (mg/kg)	Ethyl-benzene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TRPHs (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Comments
SB-1	9/19/2018	6-8	4-5	1557.0	0.0029 U	0.0032 U	0.0030 U	0.0057 U	0.0028 U	4.9 I	NA	NA	NA	NA	
SB-5	9/19/2018	8-10	6-8	2019.0	0.30 U	0.33 U	0.31 U	0.60 U	0.29 U	8.3 U	NA	NA	NA	NA	
SB-6	9/19/2018	8-10	6-8	2111.0	0.15 U	0.17 U	0.16 U	0.31 U	0.15 U	**598**	NA	NA	NA	NA	
SB-7	9/19/2018	8-10	2-3	1110.0	0.0027 U	0.0030 U	0.0029 U	0.0055 U	0.0027 U	4.6 I	NA	NA	NA	NA	
SB-9	9/19/2018	8-10	4-5	65.1	0.0024 U	0.0027 U	0.0051	0.0049 U	0.0024 U	8.4	NA	NA	NA	NA	
SB-3R	3/14/2019	5-6	3-4	0.0	0.0029 U	0.0032 U	0.0030 U	0.0057 U	0.0028 U	27.0	NA	NA	NA	NA	
SB-6R/MW-1	3/14/2019	5-6	4-5	0.0	0.0027 U	0.0030 U	0.0029 U	0.0055 U	0.0027 U	5.7	NA	NA	NA	NA	
SB-7R/MW-2	3/14/2019	4-5	2-3	0.0	0.0028 U	0.0031 U	0.0030 U	0.0057 U	0.0028 U	89.7	NA	NA	NA	NA	
SB-18	2/26/2020	5-6	2-3	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB-19	2/26/2020	5-6	8-10	250.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB-20	2/26/2020	5-6	5-6	10.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB-21	2/26/2020	6-8	4-5	5.1	NA	NA	NA	NA	NA	5.9 U	NA	NA	NA	NA	
SB-22	2/26/2020	8-10	3-4	36.7	NA	NA	NA	NA	NA	6.1 U	NA	NA	NA	NA	
SB-23	2/26/2020	8-10	6-8	344.3	NA	NA	NA	NA	NA	6.2 U	NA	NA	NA	NA	
Leachability Based on Groundwater Criteria (mg/kg)					0.007	0.6	0.5	0.2	0.09	340	*	7.5	38	*	
Direct Exposure Residential (mg/kg)					1.2	1,500	7,500	130	4,400	460	2.1	82	210	400	

Notes: **Bold Values Exceed Soil Cleanup Target Levels**

NA = Not Analyzed.

NS = Not Sampled.

* = Leachability value may be determined using TCLP.

L = Off-Scale high. Actual value is known to be greater than the value given. To be used when the concentration of the analyte is above the acceptable limit for quantitation (exceeds the linear range of the highest calibration standard) and the calibration curve is known to exhibit a negative deflection.

If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

TABLE 2B: SOIL ANALYTICAL SUMMARY - Non-Carcinogenic PAHs

Facility ID#: 169600048 **Facility Name: A-1 Auto Park, Inc.** See notes at end of table.

Sample				OVA	Laboratory Analyses											
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Naph-thalene (mg/kg)	1-Methyl-naph-thalene (mg/kg)	2-Methyl-naph-thalene (mg/kg)	Acen-aph-thene (mg/kg)	Acen-aph-thylene (mg/kg)	Anthra-cene (mg/kg)	Benzo (g,h,i) pery-lene (mg/kg)	Fluoran-thene (mg/kg)	Fluor-ene (mg/kg)	Phenan-threne (mg/kg)	Pyrene (mg/kg)	Comments
SB-1	9/19/2018	6-8	4-5	1557.0	0.014 U	0.016 U	0.016 U	0.014 U	0.013 U	0.015 U	0.010 U	0.014 U	0.015 U	0.014 U	0.013 U	
SB-5	9/19/2018	8-10	6-8	2019.0	0.031 U	0.036 U	0.035 U	0.031 U	0.028 U	0.032 U	0.023 U	0.030 U	0.033 U	0.030 U	0.029 U	
SB-6	9/19/2018	8-10	6-8	2111.0	0.23	0.035 U	0.034 U	0.031 U	0.028 U	0.031 U	0.022 U	0.029 U	0.032 U	0.029 U	0.028 U	
SB-7	9/19/2018	8-10	2-3	1110.0	0.018 I	0.015 U	0.015 U	0.051	0.029 I	0.16	0.17	1.2	0.048	0.62	1.0	
SB-9	9/19/2018	8-10	4-5	65.1	0.013 U	0.015 U	0.014 U	0.013 U	0.012 U	0.013 U	0.020 I	0.11	0.014 U	0.037 I	0.091	
SB-3R	3/14/2019	5-6	3-4	0.0	0.013 U	0.014 U	0.014 U	0.013 U	0.011 U	0.015 I	0.039	0.13	0.013 U	0.067	0.10	
SB-6R/MW-1	3/14/2019	5-6	4-5	0.0	0.013 U	0.015 U	0.015 U	0.013 U	0.012 U	0.014 U	0.0097 U	0.017 I	0.014 U	0.013 U	0.014 I	
SB-7R/MW-2	3/14/2019	4-5	2-3	0.0	0.013 U	0.015 U	0.015 U	0.013 U	0.017 I	0.036 I	0.092	0.36	0.014 U	0.16	0.32	
SB-18	2/26/2020	5-6	2-3	0.0	0.064 U	0.074 U	0.071 U	0.065 U	0.20	0.23	0.44	2.5	0.067 U	1.3	1.9	
SB-19	2/26/2020	5-6	8-10	250.2	0.043 U	0.049 U	0.047 U	0.043 U	0.039 U	0.044 U	0.031 U	0.041 U	0.044 U	0.041 U	0.039 U	
SB-20	2/26/2020	5-6	5-6	10.6	0.014 U	0.016 U	0.016 U	0.014 U	0.013 U	0.014 U	0.010 U	0.013 U	0.015 U	0.013 U	0.013 U	
SB-21	2/26/2020	6-8	4-5	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB-22	2/26/2020	8-10	3-4	36.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB-23	2/26/2020	8-10	6-8	344.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Leachability Based on Groundwater Criteria (mg/kg)					1.2	3.1	8.5	2.1	27	2,500	32,000	1,200	160	250	880	
Direct Exposure Residential (mg/kg)					55	200	210	2,400	1,800	21,000	2,500	3,200	2,600	2,200	2,400	

Notes: **Bold Values Exceed Soil Cleanup Target Levels**

NA = Not Analyzed.

NS = Not Sampled.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value in the sample is less than 10 times the value found in the method blank.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

If analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

TABLE 2C: SOIL ANALYTICAL SUMMARY - Carcinogenic PAHs

Facility ID#: 169600048 **Facility Name: A-1 Auto Park, Inc.** See notes at end of table.

Sample				OVA	Laboratory Analyses								
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Benzo (a) pyrene (mg/kg)	Benzo (a) anthra-cene (mg/kg)	Benzo (b) fluoran-thene (mg/kg)	Benzo (k) fluoran-thene (mg/kg)	Chry-sene (mg/kg)	Dibenz (a,h) anthra-cene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	Benzo (a) pyrene equivalent (mg/kg)	Comments
SB-1	9/19/2018	6-8	4-5	1557.0	0.010 U	0.012 U	0.011 U	0.011 U	0.013 U	0.0095 U	0.0094 U	0.011	
SB-5	9/19/2018	8-10	6-8	2019.0	0.023 U	0.026 U	0.024 U	0.024 U	0.029 U	0.021 U	0.021 U	0.026	
SB-6	9/19/2018	8-10	6-8	2111.0	0.022 U	0.025 U	0.024 U	0.024 U	0.028 U	0.020 U	0.020 U	0.025	
SB-7	9/19/2018	8-10	2-3	1110.0	**0.51**	0.55	0.87	0.28	0.54	0.066	0.18	**0.74**	
SB-9	9/19/2018	8-10	4-5	65.1	0.058	0.065	0.093	0.040	0.067	0.0097 I	0.022 I	0.086	
SB-3R	3/14/2019	5-6	3-4	0.0	0.051	0.068	0.075	0.032 I	0.073	0.0084 U	0.032 I	0.073	
SB-6R/MW-1	3/14/2019	5-6	4-5	0.0	0.0096 U	0.015 I	0.012 I	0.010 U	0.012 U	0.0089 U	0.0089 U	0.012	
SB-7R/MW-2	3/14/2019	4-5	2-3	0.0	**0.16**	0.19	0.23	0.098	0.2	0.028 I	0.085	**0.24**	
SB-18	2/26/2020	5-6	2-3	0.0	**0.96**	**0.89**	1.6	0.55	1.2	0.14 I	0.43	**1.4**	
SB-19	2/26/2020	5-6	8-10	250.2	0.031 U	0.035 U	0.033 U	0.033 U	0.039 U	0.029 U	0.028 U	0.035	
SB-20	2/26/2020	5-6	5-6	10.6	0.010 U	0.012 U	0.011 U	0.011 U	0.013 U	0.0094 U	0.0093 U	0.011	
SB-21	2/26/2020	6-8	4-5	5.1	NA	NA	NA	NA	NA	NA	NA	NA	
SB-22	2/26/2020	8-10	3-4	36.7	NA	NA	NA	NA	NA	NA	NA	NA	
SB-23	2/26/2020	8-10	6-8	344.3	NA	NA	NA	NA	NA	NA	NA	NA	
Leachability Based on Groundwater Criteria (mg/kg)					8	0.8	2.4	24	77	0.7	6.6	**	
Direct Exposure Residential (mg/kg)					0.1	#	#	#	#	#	#	0.1	

Notes: **Bold Values Exceed Soil Cleanup Target Levels**

NA = Not Analyzed.

NS = Not Sampled.

** = Leachability value not applicable.

= Direct Exposure value not applicable except as part of the Benzo(a)pyrene equivalent.

If analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

TABLE 3: GROUNDWATER ELEVATION TABLE

Facility Name: A-1 Auto Park, Inc.

Facility ID#: 16/9600048

All Measurements = Feet

No Data = Blank

WELL NO.	MW-1	MW-2	MW-3	MW-1R	MW-4	
DIAMETER	2"	2"	2"	2"	2"	
WELL DEPTH	19.15'	19.35'	19.24'	17.40	17.49	
SCREEN INTERVAL	5-20'	5-20'	5-20'	3-17'	3-17'	
TOC ELEVATION	25.00	24.60	24.34	24.98	24.82	

DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
3/20/2019	19.52	5.48		19.54	5.06		19.61	4.73										
2/26/2020	Lost/destroyed			Lost/destroyed			Lost/destroyed			20.34	4.64		17.32	7.50				
3/31/2020										19.43	5.55		19.93	4.89				

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TABLE 4A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - VOCs and Metals

Facility ID#: 169600048 **Facility Name: A-1 Auto Park, Inc.** **See notes at end of table.**

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total VOAs (µg/L)	MTBE (µg/L)	EDB (µg/L)	1,2-Di-chloro-ethane (µg/L)	Total Arsenic (µg/L)	Total Cad-mium (µg/L)	Total Chro-mium (µg/L)	Total Lead (µg/L)	Iron (µg/L)
TMW-1	11/24/1995	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
TMW-2	11/24/1995	**24.0**	**98.0**	**1533**	**350**	2005	NA	ND	NA	NA	NA	NA	**660**	NA
MW-1	3/20/2019	0.10 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
MW-1R	3/31/2020	0.30 U	0.33 U	0.30 U	2.1 U	2.1 U	0.51 U	0.0077 U	NA	NA	NA	NA	4.6 U	NA
MW-2	3/20/2019	0.10 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
MW-3	3/20/2019	0.10 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
MW-4	3/31/2020	0.30 U	0.33 U	0.30 U	2.1 U	2.1 U	0.51 U	NA	NA	NA	NA	NA	NA	NA
SB-1/GW	9/19/2018	0.10 U	0.50 U	0.50 U	1.5 U	1.5 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
SB-5/GW	9/19/2018	0.10 U	0.50 U	0.52 I	1.5 U	0.52	0.50 U	NA	NA	NA	NA	NA	NA	NA
SB-6/GW	9/19/2018	0.27 I	0.78 I	21.8	13.5	36.35	0.50	NA	NA	NA	NA	NA	NA	NA
SB-7/GW	9/19/2018	**1.5**	2.7	7.3	8.6	20.1	0.50 U	NA	NA	NA	NA	NA	NA	NA
SB-9/GW	9/19/2018	0.11 I	0.50 U	1.6	1.5 I	3.21	0.50 U	NA	NA	NA	NA	NA	NA	NA
SB-6 SPLP	9/19/2018	0.10 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
SB-17/GW	2/26/2020	0.30 U	0.33 U	0.30 U	2.1 U	2.1 U	0.51 U	NA	NA	NA	NA	NA	NA	NA
GCTLs		1**	40**	30**	20**	NA	20	0.02**	3**	10**	5**	100**	15**	300*
NADCs		100	400	300	200	NA	200	2	300	100	50	1,000	150	

Notes: **Bold Values Exceed Groundwater Cleanup Target Levels**

NA = Not Analyzed.

NS = Not Sampled.

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

*= As provided in Chapter 62-520, F.A.C.

** = As provided in Chapter 62-550, F.A.C.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be added to the base of the table as applicable.

TABLE 4B: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs and TRPHs

Facility ID#: 169600048 **Facility Name: A-1 Auto Park, Inc.** See notes at end of table.

Sample Location	Date	TRPHs (µg/L)	Naph-thalene (µg/L)	1-Methyl-naph-thalene (µg/L)	2-Methyl-naph-thalene (µg/L)	Acen-aph-thene (µg/L)	Acen-aph-thylene (µg/L)	Anthra-cene (µg/L)	Benzo (g,h,i) pery-lene (µg/L)	Fluoran-thene (µg/L)	Fluor-ene (µg/L)	Phenan-threne (µg/L)	Pyrene (µg/L)	Benzo (a) pyrene (µg/L)	Benzo (a) anthra-cene (µg/L)	Benzo (b) fluoran-thene (µg/L)	Benzo (k) fluoran-thene (µg/L)	Chry-sene (µg/L)	Dibenz (a,h) anthra-cene (µg/L)	Indeno (1,2,3-cd) pyrene (µg/L)
TMW-1	11/24/1995	**61,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TMW-2	11/24/1995	**61,000**	**2296**	**360**	**924**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	3/20/2019	790 U	0.29 U	0.19 U	0.68 U	0.040 U	0.030 U	0.043 U	0.15 U	0.018 U	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
MW-1R	3/31/2020	780 U	0.29 U	0.19 U	0.68 U	0.040 U	0.030 U	0.043 U	0.15 U	0.018 U	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
MW-2	3/20/2019	880 I	0.29 U	0.19 U	0.68 U	0.040 U	0.030 U	0.043 U	0.15 U	0.018 U	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
MW-3	3/20/2019	760 U	0.29 U	0.19 U	0.68 U	0.040 U	0.030 U	0.043 U	0.15 U	0.018 U	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
MW-4	3/31/2020	750 U	0.29 U	0.19 U	0.68 U	0.040 U	0.030 U	0.043 U	0.15 U	0.018 U	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
SB-1/GW	9/19/2018	780 U	0.29 U	0.19 U	0.68 U	0.040 U	0.030 U	0.043 U	0.15 U	0.018 U	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
SB-5/GW	9/19/2018	760 U	1.1 I	0.19 U	0.68 U	0.040 U	0.030 U	0.043 U	0.15 U	0.018 U	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
SB-6/GW	9/19/2018	**5600**	7.3	1.6 I	0.68 U	0.13 I	0.030 U	0.045 I	0.15 U	0.057 I	0.11 I	0.16 U	0.046 I	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
SB-7/GW	9/19/2018	4400	**57.1**	5.8	10.7	0.040 U	0.030 U	0.043 U	0.15 U	0.020 I	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
SB-9/GW	9/19/2018	810 U	0.68 I	0.26 I	0.68 U	0.043 I	0.030 I	0.043 U	0.15 U	0.018 U	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
SB-6 SPLP	9/19/2018	NA	0.29 U	0.19 U	0.68 U	0.040 U	0.030 U	0.043 U	0.15 U	0.056 I	0.088 U	0.16 U	0.042 I	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
SB-17/GW	2/26/2020	810 U	0.29 U	0.19 U	0.68 U	0.040 U	0.030 U	0.043 U	0.15 U	0.018 U	0.088 U	0.16 U	0.032 U	0.12 U	0.055 U	0.027 U	0.16 U	0.026 U	0.13 U	0.12 U
NADCs		50,000	140	280	280	200	2,100	21,000	2,100	2,800	2,800	2,100	2,100	20	5	5	50	480	0.5	5

Notes:
Bold Values Exceed Groundwater Cleanup Target Levels
NA = Not Analyzed.
NS = Not Sampled.
GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.
NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.
** = As provided in Chapter 62-550, F.A.C.
[a] = See the October 12, 2004 "Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits" to determine how to evaluatie data when the CTL is lower than the PQL.
J= Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].
Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be added to the base of the table as applicable.

October 22, 2015

Mr. Jeff Foster, P.G., P.E.
Solid Waste Division
City of Jacksonville
1031 Superior Street
Jacksonville, Florida 32254

RE: Year Four, Quarter One Natural Attenuation Monitoring Report
Ed Ball Building
214 North Hogan Street
Jacksonville, Duval County, Florida
City of Jacksonville Contract Number 8396-03
FDEP SITE ID# COM_280472

Dear Mr. Foster:

Aerostar SES LLC (Aerostar) hereby submits the results of the groundwater monitoring event for the referenced facility. The sampling activities were performed in accordance with the Groundwater Monitoring Plan and the July 16, 2015 Florida Department of Environmental Protection (FDEP) Review Letter.

If you have any questions or require additional information, please call the undersigned at (904) 565-2820.

Sincerely,

Aerostar SES LLC

Geoffrey Reichold, P.G.
Senior Project Manager

cc: Mr. Darrin McKeehen, P.G., Florida Department of Environmental Protection, Northeast District, 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256

YEAR FOUR, QUARTER ONE
NATURAL ATTENTUATION MONITORING REPORT
ED BALL BUILDING
214 NORTH HOGAN STREET
JACKSONVILLE, DUVAL COUNTY, FLORIDA
FDEP SITE ID# COM_280472
FDEP PROJECT ID# 307562

PREPARED FOR:

Mr. Jeff Foster, P.G., P.E.
Solid Waste Division
City of Jacksonville
1031 Superior Street
Jacksonville, Florida 32254

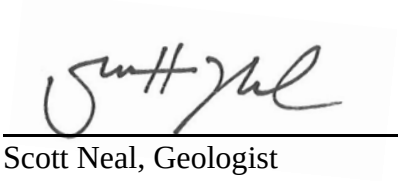
PREPARED BY:

Aerostar SES LLC
11181 St. Johns Industrial Parkway North
Jacksonville, Florida 32246
(904) 565-2820

FOR SUBMITTAL TO:

Florida Department of Environmental Protection
Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Aerostar Project No. M3001.0468.05



Scott Neal, Geologist — 10/22/15 Date

Geoffrey Reichold, P.G., Senior Project Manager — 10/22/15 Date

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PROFESSIONAL REVIEW

PROFESSIONAL GEOLOGIST LICENSED IN THE STATE OF FLORIDA

This is to certify that the **Year Four, Quarter One Natural Attenuation Monitoring Report** for the **Ed Ball Building**, located at **214 North Hogan Street, Jacksonville, Duval County, Florida, FDEP SITE ID# COM_280472**, has been examined by the undersigned and complies with the standard professional practices, other rules of the Department and any other applicable laws and rules governing the profession.

Signature: _____

Geoffrey Reichold, P.G.

Florida Registration No. 2483

Signature Date 10-22-15

1.0 INTRODUCTION

Aerostar SES LLC (Aerostar) hereby presents the results of the groundwater sampling activities conducted on September 28, 2015, at the Ed Ball Building, located at 214 North Hogan Street, in Jacksonville, Duval County, Florida, hereafter referred to as the site. The site has been issued the Florida Department of Environmental Protection (FDEP) site identification number COM_280472. Sampling activities were performed in accordance with the December 29, 2011 Groundwater Monitoring Plan, prepared by the City of Jacksonville (COJ) and the July 16, 2015 FDEP review letter. A site map is included as **Figure 1**. A copy of the July 16, 2015 FDEP review letter is included in **Appendix A**.

The scope of work included collecting groundwater samples from the shallow monitor wells DEPMW-1S, AESMW-2S and AESMW-4S; intermediate monitor wells DEPMW-1D, AESMW-1I, AESMW-2I and AESMW-4I; and deep monitor wells AESMW-1D, AESMW-2D and AESMW-4D for submittal to a State-approved laboratory for analyses of Volatile Organic Halocarbons (VOHs) by Environmental Protection Agency (EPA) Method 8260. The following sections provide a site description and background, methods of investigation, results of the investigation, and conclusions and recommendations. Tables summarizing the results, figures illustrating the findings, and appropriate appendices are included at the end of this report.

2.0 SITE DESCRIPTION AND BACKGROUND

Phase II Environmental Site Assessment (ESA) Activities performed in 2005 resulted in the discovery of chlorinated solvents in the groundwater at the site. Supplemental Site Assessment activities were performed at the site in accordance with Chapter 62-780, Florida Administrative Code (FAC), between March 2005 and January 2011.

The soil sampling performed between March 2005 and January 2011 showed no chlorinated solvents above the Soil Cleanup Target Levels (SCTLs) established in Chapter 62-777, FAC at the site. The groundwater sampling performed between March 2005 and January 2011 showed dissolved chlorinated solvent concentrations above the Groundwater Cleanup Target Levels (GCTLs) but below the Natural Attenuation Default Concentrations (NADCs), established in Chapter 62-777, FAC.

On February 15, 2011, Aerostar submitted a Site Assessment Report (SAR) to the FDEP recommending Natural Attenuation Monitoring (NAM) for the groundwater and No Further Action (NFA) for the soil at the site. In the April 4, 2011 SAR Review Letter, the FDEP requested that a permanent intermediate depth monitor well be installed in the location of GP-1I, the location of the highest reported solvent concentrations during assessment activities. During a site visit with the COJ, the FDEP and Aerostar on April 26, 2011, the FDEP requested that additional monitor wells be installed in the shallow and deep intervals in the vicinity of GP-1I.

On July 5, 2011, Aerostar installed one shallow monitor well (AESMW-4S), one intermediate monitor well (AESMW-4I), and one deep monitor well (AESMW-4D) to evaluate groundwater quality adjacent to the former location of GP-1 at specific intervals below the site. Aerostar collected groundwater samples from the newly installed monitor wells for analyses of the parameters listed in EPA Method 8260 for Volatile Organic Compounds (VOCs). Laboratory analytical results of the groundwater samples collected from AESMW-4S and AESMW-4D showed tetrachloroethene concentrations above its GCTL. All remaining results were reported below their respective GCTLs.

On December 29, 2011, the COJ submitted a Groundwater Monitoring Plan to the FDEP which recommended collecting groundwater samples from 13 monitor wells for analysis of VOHs for two quarters. The FDEP approved the Groundwater Monitoring Plan in a letter dated January 19, 2012.

On December 20, 2012, Aerostar collected groundwater samples from the shallow, intermediate and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results showed tetrachloethene at a concentration of 4.98 micrograms per liter (ug/L) in deep monitor well AESMW-4D, above the GCTL of 3 ug/L. No dissolved VOH concentrations were reported above GCTLs in any of the other wells sampled.

On December 20, 2012, and January 16, 2013, Aerostar collected depth to water measurements from the site monitor wells to estimate the direction of groundwater flow at the site. The groundwater flow direction was estimated to be to the southeast in the shallow, intermediate, and deep zones.

On April 23 and 24, 2013, Aerostar collected groundwater samples from the shallow, intermediate and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results showed tetrachloroethene at concentrations of 3.74 ug/L in AESMW-4S and 3.61 ug/L in AESMW-4D, above the GCTL of 3 ug/L. Laboratory analytical results also showed vinyl chloride at concentrations of 1.79 ug/L in AESMW-2I and 2.66 ug/L in AESMW-4S, above the GCTL of 1 ug/L. No dissolved VOHs concentrations were reported above GCTLs in any of the other wells sampled.

On April 23 and 25, 2013, and January 16, 2013, Aerostar collected depth to water measurements from the site monitor wells to estimate the direction of groundwater flow at the site. The groundwater flow direction was estimated to be to the southeast in the shallow, intermediate, and deep zones.

On May 22, 2013, Aerostar returned to the site to collect groundwater samples from AESMW-2I and AESMW-4D to confirm the results of the laboratory analyses of the samples collected on April 23, 2013. Groundwater samples were submitted for laboratory analysis for VOHs. Laboratory analytical results showed no dissolved VOHs above GCTLs in the samples collected.

On July 17, 2013, Aerostar collected groundwater samples from the shallow, intermediate and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results from the July 17, 2013, sampling event showed tetrachloethene at a concentration of 4.83 ug/L in AESMW-4S, above the GCTL of 3 ug/L. Laboratory analytical results also showed vinyl chloride at concentrations of 2.63 ug/L, 1.53 ug/L and 2.65 ug/L in monitor wells AESMW-2S, AESMW-2I and AESMW-4S, respectively, above the GCTL of 1 ug/L.

On July 17 and 23, 2013, Aerostar collected depth to water measurements from the site monitor wells to estimate the direction of groundwater flow at the site. The groundwater flow direction was estimated to be to the southeast in the shallow, intermediate, and deep zones.

Between September 10 and 19, 2013, Aerostar collected groundwater samples from the shallow, intermediate and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results from the September 2013 sampling event showed a vinyl chloride concentration of 1.55 ug/L in monitor well AESMW-2I, above the GCTL of 1 ug/L.

In September 2013, Aerostar collected depth to water measurements from the site monitor wells to estimate the direction of groundwater flow at the site. The groundwater flow direction was estimated to be to the southeast in the shallow, intermediate, and deep zones.

On January 7 and 8, 2014, Aerostar collected groundwater samples from the shallow, intermediate and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results from the January 2014 sampling event showed a vinyl chloride concentration of 2.2 ug/L in monitor well AESMW-1D, above the GCTL of 1 ug/L. Laboratory analytical results showed tetrachloroethene concentrations of 3.2 ug/L and 3.5 ug/Lin monitor wells DEPMW-1S and AESMW-1D, respectively, above the GCTL of 3 ug/L. Laboratory analytical results also showed a trichloroethene concentration of 4.0 ug/L in monitor well DEPMW-1S, above the GCTL of 3 ug/L.

In January 2014, Aerostar collected depth to water measurements from the site monitor wells to estimate the direction of groundwater flow at the site. The groundwater flow direction was estimated to be to the southeast in the shallow, intermediate, and deep zones.

Between March 26 and April 9, 2014, Aerostar collected groundwater samples from the shallow, intermediate, and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results from the March and April 2014 sampling events showed a tetrachloroethene concentration of 4.3 ug/L in monitor well AESMW-4D, above the GCTL of 3 ug/L. No dissolved VOH concentrations were reported above GCTLs in any of the other wells sampled.

On March 26 and April 2, 2014, Aerostar collected depth to water measurements to estimate groundwater flow direction at the site. The groundwater flow direction was estimated to be to the southeast in the shallow, intermediate, and deep zones during the outgoing and incoming tides.

On June 26 and 27, 2014, Aerostar collected groundwater samples from the shallow, intermediate, and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results from the June 2014 sampling events showed a tetrachloroethene concentration of 3.7 ug/L in monitor well AESMW-4D, above the GCTL of 3 ug/L. No other VOH concentrations were reported above GCTLs in the wells sampled.

On June 26 and 27, 2014, Aerostar collected depth to water measurements to estimate groundwater flow direction at the site. The groundwater flow direction was estimated to be to the southeast in the shallow, intermediate and deep aquifer zones.

On October 6 and 7, 2014, Aerostar collected groundwater samples from the shallow, intermediate, and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results from the October 2014 sampling events showed a tetrachloroethene concentration of 4.3 ug/L in monitor well AESMW-4D, above the GCTL of 3 ug/L. No other VOH concentrations were reported above GCTLs in the wells sampled.

On October 6, 2014, Aerostar collected depth to water measurements to estimate groundwater flow direction at the site. The groundwater flow direction was estimated to be to the southeast in the shallow, intermediate and deep aquifer zones.

On January 5 and 6, 2015, Aerostar collected groundwater samples from the shallow, intermediate, and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results from the January 2015 sampling events showed concentrations of tetrachloroethene of 7.4 ug/L in monitor well AESMW-4S and 4.1 ug/L in monitor well AESMW-4D, above the GCTL of 3 ug/L. Additionally, monitor well AESMW-4S showed a concentration of vinyl chloride of 1.5 ug/L, above the GCTL of 1 ug/L. No other VOH concentrations were reported above GCTLs in the wells sampled.

On January 5, 2015, Aerostar collected depth to water measurements to estimate groundwater flow direction at the site. The groundwater flow direction was estimated to be to the southeast in the shallow, intermediate and deep aquifer zones.

On March 26 and 27, 2015, Aerostar collected groundwater samples from the shallow, intermediate, and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results from the March 2015 sampling events showed concentrations of tetrachloroethene of 3.4 ug/L in monitor well AESMW-4D, at the GCTL of 3 ug/L. No other VOH concentrations were reported above GCTLs in the wells sampled.

On March 26, 2015, Aerostar collected depth to water measurements to estimate groundwater flow direction at the site. The groundwater flow direction was estimated to be to the southeast in the shallow zone, towards the south-southwest in the intermediate zone, and towards the south in the deep zone.

On June 15 and 16, 2015, Aerostar collected groundwater samples from the shallow, intermediate, and deep monitor wells for laboratory analysis of VOHs. Laboratory analytical results from the June 2015 sampling events showed concentrations of tetrachloroethene of 4.6 ug/L, above the GCTL of 3 ug/L, in monitor well AESMW-4S, and 3.0 ug/L in monitor well AESMW-4D, at the GCTL of 3 ug/L. Additionally, monitor wells AESMW-2S and AESMW-4S showed a concentrations of vinyl chloride of 1.3 ug/L and 1.4 ug/L, at the GCTL of 1 ug/L. No other VOH concentrations were reported above GCTLs in the wells sampled.

On June 15, 2015, Aerostar collected depth to water measurements to estimate groundwater flow direction at the site. The groundwater flow direction was estimated to be to the southeast in the shallow and intermediate zones, and towards the south-southeast in the deep zone.

3.0 METHODS OF INVESTIGATION

3.1 Groundwater Sampling

On September 28, 2015, Aerostar collected groundwater samples from shallow monitor wells DEPMW-1S, AESMW-2S and AESMW-4S; intermediate monitor wells DEPMW-1D, AESMW-1I, AESMW-2I and AESMW-4I; and deep monitor wells, AESMW-1D, AESMW-2D and AESMW-4D. The groundwater samples were submitted for laboratory analysis of the parameters listed in EPA Method 8260 for VOHs.

The samples were placed in laboratory-supplied containers and submitted to IntraLabs, Inc., in Jacksonville, Florida for analysis at Pace Analytical Services, Inc. in Ormond Beach, Florida. Groundwater sampling was conducted in accordance with the guidelines established in the FDEP SOP-001/01, revision date March 1, 2014. Results of the groundwater laboratory analyses are discussed in Section 4.1. Groundwater sampling logs and field instrument calibration records are included in **Appendix B**.

3.2 Groundwater Flow Determination

On September 28, 2015, Aerostar collected depth to water measurements to estimate groundwater flow direction at the site. Aerostar subtracted the depth to water readings from the previously recorded top of casing elevations to determine the relative groundwater elevation at each monitor well. The relative groundwater elevations were plotted on a site figure to estimate the direction of flow in the shallow, intermediate and deep zones. Results of the groundwater elevation investigation are summarized in Section 4.2.

4.0 RESULTS OF INVESTIGATION

4.1 Results of Groundwater Sampling

Laboratory analytical results from the September 28, 2015 sampling event showed no VOH concentrations above their respective GCTLs in the wells sampled. Groundwater analytical results are summarized in **Table 1**. A groundwater analytical results map is presented as **Figure 2**. The laboratory analytical report is included as **Appendix C**.

4.2 Results of Groundwater Flow Determination

On September 28, 2015, Aerostar collected depth to water measurements from shallow, intermediate, and deep monitor wells at the site to estimate the direction of groundwater flow at each aquifer zone. The groundwater flow direction was estimated to be to the south-southeast in the shallow and intermediate zones, and towards the northeast in the deep zone.

Historically, the groundwater flow direction has been estimated to be to the southeast in the shallow, intermediate, and deep zones. The water table elevations are summarized in **Table 2**. Groundwater flow direction maps are presented as **Figures 3** through **5**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Laboratory analytical results from the September 28, 2015 sampling event showed no VOH concentrations above GCTLs in the monitor wells sampled. The groundwater flow direction was estimated to be to the south-southeast in the shallow and intermediate zones, and towards the northeast in the deep zone.

There is a confining or semi-confining lithologic unit at the terminus of AESMW-4D. The contaminant plume at the site is stable and is not a threat to any known potable water supply. Based on the current results and the hydrologic and lithologic characteristics of the site, Aerostar recommends continuing with the quarterly monitoring.

TABLES

TABLE 1: GROUNDWATER LABORATORY ANALYTICAL SUMMARY

Facility Name: Ed Ball Building **FDEP Facility ID #: COM_280472**

Facility Address: 214 North Hogan Street, Jacksonville, Duval County, Florida

Results are in micrograms per Liter (µg/L)
GCTL = Groundwater Cleanup Target Level
NADC= Natural Attenuation Default Concentrations
BDL = Below Detection Limits

U= Below method detection limits
I =Between method detection limit and practical quantitation limit
NS = Not Sampled
NA = Not Analyzed

Sample Location	Date Sampled	Tetrachloro-ethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloro-ethene	Vinyl Chloride	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	1,2,3-Trichloro-benzene	1,2,4- Trichloro-benzene
GCTL 62-777, FAC		**3**	**3**	**70**	**100**	**1**	**600**	**210**	**75**	**70**	**70**
NADC 62-777, FAC		**300**	**300**	**700**	**1000**	**100**	**6000**	**2100**	**7500**	**700**	**700**
DEPMW-1S	9/17/2009	BDL	1.20	1.6 I	BDL	0.75 I	0.80 I	0.54 I	BDL	BDL	BDL
	11/8/2010	0.098 U	0.357 U	0.700 I	0.128 U	0.192 U	0.150 U	0.215 U	0.104 U	0.119 U	0.101 U
	9/21/2012	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.600 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/24/2013	0.400 U	0.400 U	0.420 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.400 U	0.680 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/11/2013	0.400 U	0.400 U	0.560 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	**3.2**	**4.0**	5.6	0.50 U	0.72 I	1.2	1.3	1.3	NA	NA
	3/27/2014	0.50 U	0.50 U	0.56 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.64 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2015	0.50 U	0.50 U	0.59 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
DEPMW-1D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.76 I	BDL	BDL
	11/8/2010	0.260 I	0.357 U	0.390 I	0.128 U	0.192 U	0.150 U	0.215 U	0.104 U	0.190 I	0.101 U
	1/20/2011	0.252 I	0.357 U	0.075 U	0.128 U	0.192 U	0.987 I	0.215 U	0.295 I	0.359 I	1.52
	9/21/2012	0.50 U	0.50 U	0.99 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.520 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/24/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/19/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/9/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	1.4	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
DEPMW- 3S	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-3D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-4S	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-4D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AESMW-1I	1/4/2011	0.098 U	0.357 U	0.075 U	0.128 U	0.192 U	0.19	0.215 U	0.104 U	0.119 U	0.101 U
	9/20/2012	0.89 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	2.07	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/24/2013	1.90	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	1.27	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/11/2013	1.04	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	1.1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2014	2.1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/27/2014	1.0	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-1D	1/4/2011	1.17	0.40	0.67	0.128 U	0.192 U	0.150 U	0.215 U	0.104 U	0.119 U	0.101 U
	9/20/2012	0.50 U	0.50 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS
	12/20/2012	0.540 I	0.420 I	0.410 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/24/2013	0.840 I	0.460 I	0.740 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	1.50	0.690 I	1.16	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/11/2013	0.840 I	0.410 I	0.770 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	**3.5**	2.1	6.5	0.50 U	**2.2**	0.50 U	0.53 I	0.50 U	NA	NA
	3/27/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/27/2014	0.92 I	0.65 I	0.78 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2015	1.10	0.50 U	0.76 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-2S	11/8/2010	3.10	0.830 I	3.77	0.128 U	1.28	0.150 U	0.215 U	0.104 U	0.990 I	3.69
	9/21/2012	0.58 I	0.52 I	1.2	0.50 U	0.50 U	1.1	0.50 U	0.50 U	NA	NA
	12/20/2012	0.770 I	0.650 I	1.4	0.400 U	0.400 U	0.970 I	0.400 U	0.400 U	NA	NA
	4/23/2013	1.51	1.00	1.87	0.400 U	1.32	0.940 I	0.400 U	0.420 I	NA	NA
	7/17/2013	2.40	2.25	4.62	0.400 U	**2.63**	1.2	1.08	0.750 I	NA	NA
	9/10/2013	0.400 U	0.400 U	1.27	0.400 U	0.400 U	0.720 I	1.00 U	0.400 U	NA	NA
	1/7/2014	0.50 U	0.50 U	0.56 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2014	0.50 U	0.50 U	2.90	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	3.3	0.50 U	1.0	0.50 U	0.50 U	0.50 U	NA	NA
	10/6/2014	1.8	0.50 U	1.3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.59 I	0.57 I	1.5	0.50 U	0.50 U	0.65 I	0.50 U	0.50 U	NA	NA
	3/26/2015	0.50 U	0.50 U	0.61 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	1.7	1.60	4.4	0.50 U	1.3	0.50 U	0.50 U	0.84 I	NA	NA
	9/28/2015	0.63 I	0.98 I	2.3	0.50 U	0.83 I	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-2I	11/8/2010	0.098 U	0.357 U	0.200 I	0.128 U	0.192 U	0.150 U	0.215 U	0.104 U	0.119 U	0.101 U
	1/20/2011	0.098 U	0.0357 U	0.075 U	0.128 U	0.192 U	0.403 I	0.215 U	0.104 U	0.119 U	0.487 I
	9/21/2012	0.50 U	0.50 U	0.69 I	0.50 U	0.50 U	1.0	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.780 I	0.400 U	0.560 I	0.550 I	0.400 U	0.400 U	NA	NA
	4/23/2013	0.400 U	0.400 U	1.66	0.400 U	**1.79**	0.850 I	0.400 U	0.400 U	NA	NA
	5/22/2013	0.400 U	0.400 U	3.72	0.400 U	1.28	2.67	0.400 U	0.400 I	NA	NA
	7/17/2013	0.430 I	0.400 U	2.22	0.400 U	**1.53**	2.45	0.400 U	0.450 I	NA	NA
	9/10/2013	0.660 I	0.630 I	4.20	0.400 U	**1.55**	0.700 I	0.400 U	0.400 U	NA	NA
	1/7/2014	1.3	2.4	2.4	0.50 U	0.50 U	1.5	1.4	1.6	NA	NA
	3/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.50 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/6/2014	1.0	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/15/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-2D	11/8/2010	2.15	1.18	2.54	0.128 U	0.600 I	0.150 U	0.215 U	0.104 U	0.770 I	2.05
	1/20/2011	2.23	1.48	2.70	0.128 U	0.451 I	0.765 I	0.881 I	1.04	1.60	8.30
	9/21/2012	1.6	1.8	1.9	0.50 U	0.53 I	1.1	1.2	1.2	NA	NA
	12/20/2012	0.960 I	1.18	2.2	0.400 U	0.400 U	0.750 I	0.770 I	0.730 I	NA	NA
	4/23/2013	1.33	1.82	2.05	0.400 U	1.22	0.830 I	1.00	1.21	NA	NA
	7/17/2013	1.52	2.24	2.39	0.400 U	0.400 U	1.3	1.27	1.51	NA	NA
	9/10/2013	1.29	1.38	1.54	0.400 U	0.400 U	1.15	1.41	1.27	NA	NA
	1/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2014	1.20	1.60	1.60	0.50 U	0.50 U	1.2	0.89 I	1.40	NA	NA
	6/26/2014	0.76 I	1.6	1.6	0.50 U	0.50 U	1.0	0.87 I	1.1	NA	NA
	10/6/2014	1.7	0.50 U	1.2	0.50 U	0.50 U	1.1	0.50 U	1.5	NA	NA
	1/5/2015	1.5	1.4	1.4	0.50 U	0.50 U	1.5	1.1	1.8	NA	NA
	3/26/2015	1.4	1.5	1.3	0.50 U	0.50 U	1.2	1.0	1.5	NA	NA
	6/15/2015	1.1	1.5	1.7	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.78 I	1.5	1.7	0.50 U	0.55 I	1.5	1.2	1.8	NA	NA

TABLE 1: GROUNDWATER LABORATORY ANALYTICAL SUMMARY

Facility Name: Ed Ball Building **FDEP Facility ID #: COM_280472**

Facility Address: 214 North Hogan Street, Jacksonville, Duval County, Florida

Results are in micrograms per Liter (µg/L)
GCTL = Groundwater Cleanup Target Level
NADC= Natural Attenuation Default Concentrations
BDL = Below Detection Limits

U= Below method detection limits
I =Between method detection limit and practical quantitation limit
NS = Not Sampled
NA = Not Analyzed

Sample Location	Date Sampled	Tetrachloro-ethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloro-ethene	Vinyl Chloride	1,2 - Dichloro-benzene	1,3 - Dichloro-benzene	1,4 - Dichloro-benzene	1,2,3-Trichloro-benzene	1,2,4 - Trichloro benzene
GCTL 62-777, FAC		**3**	**3**	**70**	**100**	**1**	**600**	**210**	**75**	**70**	**70**
NADC 62-777, FAC		**300**	**300**	**700**	**1000**	**100**	**6000**	**2100**	**7500**	**700**	**700**
AESMW-3S	11/8/2010	0.098 U	0.357 U	0.075 U	0.128 U	0.192 U	0.150 U	0.215 U	0.104 U	0.119 U	0.101 U
	9/21/2012	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/23/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/10/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/6/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/15/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-3I	11/8/2010	0.098 U	0.357 U	2.45	0.128 U	0.962 I	1.08	0.682 I	0.691 I	0.119 U	1.41
	1/20/2011	0.098 U	0.357 U	2.76	0.128 U	1.03	1.17	0.587 I	0.655 I	0.119 U	1.67
	9/21/2012	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	1.5	0.400 U	0.580 I	1.03	0.600 I	0.540 I	NA	NA
	4/23/2013	0.400 U	0.400 U	1.11	0.400 U	0.790 I	0.430 I	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.410 I	1.13	0.400 U	0.400 U	0.900 I	0.650 I	0.400 U	NA	NA
	9/10/2013	0.400 U	0.400 U	0.630 I	0.400 U	0.400 U	0.430 I	0.400 U	0.400 U	NA	NA
	1/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.59 I	0.50 U	0.50 U	NA	NA
	3/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.60 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/6/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.53 I	NA	NA
	6/15/2015	0.50 U	0.50 U	1.4	0.50 U	0.50 U	0.50 U	0.50 U	0.64 I	NA	NA
AESMW-3D	11/8/2010	0.098 U	0.441 I	2.69	0.128 U	0.345 I	0.295 I	0.751 I	0.866 I	0.119 U	1.54
	1/20/2011	0.098 U	0.668 I	4.34	0.128 U	0.192 U	0.366 I	1.43	1.50	0.119 U	3.49
	9/21/2012	0.50 U	0.50 U	2.9	0.50 U	0.50 U	0.50 U	0.50 U	0.75 I	NA	NA
	12/20/2012	0.400 U	0.500 I	4.62	0.400 U	0.400 U	0.400 U	1.32	1.34	NA	NA
	4/23/2013	0.400 U	0.400 U	4.41	0.400 U	0.400 U	0.490 I	2.17	2.15	NA	NA
	7/17/2013	0.400 U	0.400 U	4.98	0.400 U	0.400 U	0.400 U	1.07	1.23	NA	NA
	9/10/2013	0.400 U	0.400 U	3.95	0.400 U	0.400 U	0.400 U	1.23	1.30	NA	NA
	1/7/2014	0.50 U	0.50 U	5.9	0.50 U	0.50 U	0.50 U	1.0	1.2	NA	NA
	3/26/2014	0.50 U	0.50 U	4.0	0.50 U	0.50 U	0.50 U	1.7	1.9	NA	NA
	6/26/2014	0.50 U	0.50 U	3.9	0.50 U	0.50 U	0.52 I	2.1	1.8	NA	NA
	10/7/2014	0.50 U	0.50 U	3.3	0.50 U	0.50 U	0.50 U	1.3	1.6	NA	NA
	1/6/2015	0.50 U	0.50 U	2.8	0.50 U	0.50 U	0.50 U	1.3	1.8	NA	NA
	6/15/2015	0.50 U	0.50 U	3.8	0.50 U	0.50 U	0.50 U	0.50 U	2.0	NA	NA
AESMW-4S	7/6/2011	**9.02**	2.49	9.09	0.128 U	0.332 I	0.772 I	0.863 I	0.664 I	2.30	13.60
	9/20/2012	1.9	0.085 I	3.4	0.50 U	**1.7**	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	1.45	0.470 I	1.19	0.400 U	0.550 I	0.400 U	0.400 U	0.400 U	NA	NA
	4/23/2013	**3.74**	0.980 I	3.01	0.400 U	**2.66**	0.400 U	0.420 I	0.400 U	NA	NA
	7/17/2013	**4.83**	1.340	4.41	0.400 U	**2.65**	0.550 I	0.640 I	0.400 U	NA	NA
	9/10/2013	1.37	0.650 I	1.95	0.400 U	0.910 I	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2014	1.90	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/27/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/6/2014	1.4	0.50 U	0.82 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/6/2015	**7.4**	2.3	5.4	0.50 U	**1.5**	0.71 I	0.79 I	0.62 I	NA	NA
	3/27/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/15/2015	**4.6**	1.9	5.6	0.50 U	1.4	0.50 U	1.4	0.50 U	NA	NA
	9/28/2015	0.89 I	0.50 U	0.79 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-4I	7/6/2011	0.382 I	0.357 U	0.579 I	0.128 U	0.192 U	0.167 I	0.215 U	0.238 I	0.264 I	0.720 I
	9/20/2012	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.69 I	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.490 I	0.400 U	0.400 U	NA	NA
	4/23/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.910 I	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.440 I	0.400 U	0.400 U	NA	NA
	9/10/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	0.50 U	0.50 U	0.80 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2004	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/6/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/15/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-4D	7/6/2011	**6.31**	2.88	6.12	0.230 I	0.192 U	0.788 I	1.04	1.39	1.02	5.75
	8/16/2011	**4.69**	3.17	5.96	0.400 U	1.33	0.590 I	0.720 I	0.630 I	NA	NA
	9/20/2012	2.90	2.80	4.0	0.50 U	0.78 I	0.67 I	0.86 I	1.0	NA	NA
	12/20/2012	**4.98**	3.03	4.61	0.400 U	0.970 I	1.41	1.91	1.60	NA	NA
	4/23/2013	**3.61**	2.37	3.62	0.400 U	1.39	0.870 I	0.970 I	1.22	NA	NA
	5/22/2013	3.43	2.57	3.77	0.400 U	0.730 I	1.20	1.21	1.20	NA	NA
	7/17/2013	2.93	2.66	4.02	0.400 U	0.400 U	1.25	1.19	1.02	NA	NA
	9/11/2013	3.37	2.26	3.31	0.400 U	0.400 U	1.52	1.67	1.70	NA	NA
	1/7/2014	0.78 I	0.76 I	5.7	0.50 U	0.87 I	0.78 I	0.50 U	0.50 U	NA	NA
	3/26/2014	**4.3**	2.9	3.5	0.50 U	0.50 U	1.1	1.3	1.6	NA	NA
	6/26/2014	**3.7**	2.7	3.3	0.50 U	0.50 U	1.3	1.4	1.3	NA	NA
	10/6/2014	**4.3**	2.5	2.9	0.50 U	0.50 U	0.50 U	1.1	1.5	NA	NA
	1/6/2015	**4.1**	2.4	2.9	0.50 U	0.50 U	1.0	1.1	1.5	NA	NA
	3/27/2015	3.4	2.4	3.2	0.50 U	0.50 U	0.97 I	1.0	1.2	NA	NA
	6/15/2015	3.0	2.2	2.5	0.50 U	0.50 U	0.50 U	0.50 U	1.9	NA	NA
	9/28/2015	2.5	1.8	2.2	0.50 U	0.50 U	1.5	1.2	1.7	NA	NA

TABLE 1: GROUNDWATER LABORATORY ANALYTICAL SUMMARY

Facility Name: Ed Ball Building **FDEP Facility ID #: COM_280472**

Facility Address: 214 North Hogan Street, Jacksonville, Duval County, Florida

Results are in micrograms per Liter (µg/L)
GCTL = Groundwater Cleanup Target Level
NADC= Natural Attenuation Default Concentrations
BDL = Below Detection Limits

U= Below method detection limits
I =Between method detection limit and practical quantitation limit
NS = Not Sampled
NA = Not Analyzed

Sample Location	Date Sampled	Acetone	Bromodichloro-methane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Styrene	Carbon Disulfide	Toluene
GCTL 62-777, FAC		**6300**	**0.6**	**100**	**12**	**70**	**2.7**	**100**	**700**	**40**
NADC 62-777, FAC		**63000**	**60**	**1000**	**1200**	**700**	**270**	**1000**	**7,000**	**400**
DEPMW-1S	9/17/2009	BDL	BDL	0.29 I	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.100 I	0.162 U	0.201 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/24/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/11/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
DEPMW-1D	9/17/2009	BDL	BDL	0.23 I	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	4.32	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.691 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/24/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/19/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/9/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
DEPMW- 3S	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-3D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-4S	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-4D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
AESMW-1I	1/4/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.201 I
	9/20/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/24/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/11/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-1D	1/4/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.208	0.201 I
	9/20/2012	NA	0.27 U	0.50 U	0.60 I	0.50 U	0.71 I	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/24/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/11/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-2S	11/8/2010	1.99 U	0.420 I	0.176 U	0.217 U	1.77	NA	0.074 U	0.162 U	0.201 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-2I	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	0.550 I	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.852 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	5/22/2013	NA	0.400 U	1.03	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.850 I	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-2D	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.904 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA

TABLE 1: GROUNDWATER LABORATORY ANALYTICAL SUMMARY

Facility Name: Ed Ball Building **FDEP Facility ID #: COM_280472**

Facility Address: 214 North Hogan Street, Jacksonville, Duval County, Florida

Results are in micrograms per Liter (µg/L)
GCTL = Groundwater Cleanup Target Level
NADC= Natural Attenuation Default Concentrations
BDL = Below Detection Limits

U= Below method detection limits
I =Between method detection limit and practical quantitation limit
NS = Not Sampled
NA = Not Analyzed

Sample Location	Date Sampled	Acetone	Bromodichloro-methane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Styrene	Carbon Disulfide	Toluene
GCTL 62-777, FAC		**6300**	**0.6**	**100**	**12**	**70**	**2.7**	**100**	**700**	**40**
NADC 62-777, FAC		**63000**	**60**	**1000**	**1200**	**700**	**270**	**1000**	**7,000**	**400**
AESMW-3S	11/8/2010	9.24 I	0.076 U	0.176 U	0.217 U	0.391 I	NA	0.074 U	0.162 U	0.201 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.54 I	0.62 U	NA	NA	NA
	12/20/2012	NA	0.660 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-3I	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	5.75	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	1.99 U	0.076 U	1.33	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.898 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.660 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-3D	11/8/2010	1.99 U	0.264 U	0.176 U	0.217 U	0.780 I	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.972 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-4S	7/7/2011	2.27 I	0.0764 U	0.320 I	0.217 U	0.331 U	NA	0.0742 U	0.465 I	0.201 U
	9/20/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.40 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.40	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-4I	7/7/2011	1.99 U	0.0764 U	0.176 U	0.217 U	0.122 U	NA	0.0742 U	0.162 U	0.201 U
	9/20/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-4D	7/7/2011	1.99 U	0.0764 U	0.176 U	0.217 U	0.122 U	NA	0.0742 U	0.162 U	0.201 U
	8/16/2011	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	0.400 U
	9/20/012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	5/22/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/11/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA

TABLE 2: GROUNDWATER ELEVATION SUMMARY

Facility Name: Ed Ball Building **FDEP Facility ID #: COM_280472**
Facility Address: 214 North Hogan Street, Duval County, FL

All Measurements (Except Well Diameter) = Feet
DTW = Depth to Water
[1] = Top of Casing elevation based on a city of Jacksonville benchmark (BM-X), having an elevation of 9.895 feet National Geodetic Vertical Datum (NGVD) of 1929, located at the southwest corner of the intersection of Adams and Clay Streets. Surveyed by Atlantic Gulf Survey Co. on November 8, 2010.

TOC = Top of Casing **NI = Not Installed**
ELEV = Elevation **NA = Not Applicable**
FP = Free Product **NG = Not Guaged**

WELL NO.	DEPMW - 1S			DEPMW - 1D			DEPMW - 3S			DEPMW - 3D			DEPMW - 4S			DEPMW - 4D		
DIAMETER (INCHES)	0.75			0.75			0.75			0.75			0.75			0.75		
WELL DEPTH	20			31			21			33			22			34		
SCREEN INTERVAL	10-20			21-31			11-21			23-33			12-22			24-34		
TOC ELEVATION [1]	15.53			15.59			18.25			18.13			19.46			19.51		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/8/2010	5.31	10.22	NA	5.27	10.32	NA	5.60	12.65	NA	NA	NA	NA	4.89	14.57	NA	3.84	15.67	NA
1/20/2011	4.58	10.95	NA	4.63	10.96	NA	4.82	13.43	NA	4.61	13.52	NA	4.12	15.34	NA	4.10	15.41	NA
7/6/2011 (High Tide)	4.71	10.82	NA	4.67	10.92	NA	5.07	13.18	NA	4.90	13.23	NA	4.21	15.25	NA	4.24	15.27	NA
7/7/2011 (Low Tide)	4.72	10.81	NA	4.69	10.90	NA	5.09	13.16	NA	4.88	13.25	NA	4.23	15.23	NA	4.22	15.29	NA
9/20/12 (Incoming)	5.79	9.74	NA	5.78	9.81	NA	8.68	12.32	NA	20.59	12.41	NA	5.14	14.32	NA	5.16	14.35	NA
9/24/12 (Incoming)	5.73	9.80	NA	5.71	9.88	NA	8.64	12.36	NA	20.54	12.46	NA	5.08	14.38	NA	5.09	14.42	NA
4/23/13 (Incoming)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/25/13 (Outgoing)	NA	NA	NA	NA	NA	NA	4.78	13.47	NA	4.71	13.42	NA	4.33	15.13	NA	4.35	15.16	NA
7/17/2013 (Outgoing)	5.23	10.30	NA	5.22	10.37	NA	5.35	12.9	NA	5.33	12.8	NA	4.68	14.78	NA	4.72	14.79	NA
7/23/13 (Incoming)	5.36	10.17	NA	5.40	10.19	NA	5.46	12.79	NA	5.44	12.69	NA	4.80	14.66	NA	4.84	14.67	NA
9/10/13 (Outgoing)	5.42	10.11	NA	5.47	10.12	NA	NG	NG	NA	NG	NG	NA	NG	NG	NA	NG	NG	NA
9/19/13 (Incoming)	NG	NG	NA	5.58	10.01	NA	5.68	12.57	NA	5.63	12.5	NA	4.93	14.53	NA	4.93	14.58	NA
1/7/2014	5.29	10.24	NA	5.32	10.27	NA	5.16	13.09	NA	5.14	12.99	NA	NG	NG	NG	NG	NG	NG
3/26/2014 (Outgoing)	5.54	9.99	NA	5.55	10.04	NA	5.61	12.64	NA	5.56	12.57	NA	4.84	14.62	NA	4.83	14.68	NA
4/2/2014 (Incoming)	5.64	9.89	NA	5.66	9.93	NA	5.77	12.48	NA	5.72	12.41	NA	4.95	14.51	NA	4.95	14.56	NA
6/26/2014 (Outgoing)	4.93	10.60	NA	4.94	10.65	NA	5.22	13.03	NA	5.18	12.95	NA	4.31	15.15	NA	4.35	15.16	NA
6/26/2014 (Incoming)	4.95	10.58	NA	4.91	10.68	NA	5.22	13.03	NA	5.17	12.96	NA	4.33	15.13	NA	4.30	15.21	NA
10/6/2014	5.92	9.61	NA	5.88	9.71	NA	6.23	12.02	NA	6.19	11.94	NA	NA	NA	NA	NA	NA	NA
1/5/2015	5.24	10.29	NA	5.19	10.40	NA	5.83	12.42	NA	5.79	12.34	NA	4.72	14.74	NA	4.70	14.81	NA
3/26/2015	4.82	10.71	NA	1.47	14.12	NA	4.73	13.52	NA	4.69	13.44	NA	4.08	15.38	NA	4.06	15.45	NA
6/15/2015	4.36	11.17	NA	4.34	11.25	NA	4.26	13.99	NA	4.25	13.88	NA	NA	NA	NA	3.66	15.85	NA
9/28/2015	5.87	9.66	NA	5.97	9.62	NA	6.09	12.16	NA	6.07	12.06	NA	5.23	14.23	NA	5.26	14.25	NA

WELL NO.	AESMW - 1I			AESMW - 1D			AESMW - 2S			AESMW - 2I			AESMW - 2D		
DIAMETER (INCHES)	0.75			0.5			1			1			1		
WELL DEPTH	30			35.5			17			34			41		
SCREEN INTERVAL	25-30			33-35.5			7-17			29-34			36-41		
TOC ELEVATION [1]	NA			NA			16.54			16.60			16.58		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/8/2010	NI	NI	NI	NI	NI	NI	5.02	11.52	NA	4.97	11.63	NA	5.21	11.37	NA
1/20/2011	NA	NA	NA	NA	NA	NA	4.32	12.22	NA	4.21	12.39	NA	4.18	12.4	NA
7/6/2011 (High Tide)	NA	NA	NA	NA	NA	NA	4.32	12.22	NA	4.30	12.30	NA	4.29	12.29	NA
7/7/2011 (Low Tide)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/20/12 (Incoming)	NA	NA	NA	NA	NA	NA	5.41	11.13	NA	5.28	11.32	NA	NM	NM	NA
9/24/12 (Incoming)	NA	NA	NA	NA	NA	NA	5.35	11.19	NA	5.20	11.40	NA	NM	NM	NA
4/23/13 (Incoming)	NA	NA	NA	NA	NA	NA	4.63	11.91	NA	4.53	12.07	NA	4.55	12.03	NA
4/25/13 (Outgoing)	NA	NA	NA	NA	NA	NA	4.63	11.91	NA	4.40	12.20	NA	4.57	12.01	NA
7/17/2013 (Outgoing)	NA	NA	NA	NA	NA	NA	4.87	11.67	NA	4.79	11.81	NA	4.81	11.77	NA
7/23/13 (Incoming)	NA	NA	NA	NA	NA	NA	5.00	11.54	NA	4.94	11.66	NA	4.92	11.66	NA
9/10/13 (Outgoing)	NA	NA	NA	NA	NA	NA	5.09	11.45	NA	4.97	11.63	NA	4.96	11.62	NA
9/19/13 (Incoming)	NA	NA	NA	NA	NA	NA	4.99	11.55	NA	NG	NG	NA	NG	NG	NA
1/7/2014	NA	NA	NA	NA	NA	NA	4.79	11.75	NA	4.67	11.93	NA	4.67	11.91	NA
3/26/2014 (Outgoing)	NA	NA	NA	NA	NA	NA	5.13	11.41	NA	4.94	11.66	NA	4.95	11.63	NA
4/2/2014 (Incoming)	NA	NA	NA	NA	NA	NA	5.20	11.34	NA	5.07	11.53	NA	5.08	11.5	NA
6/26/2014 (Outgoing)	NA	NA	NA	NA	NA	NA	4.55	11.99	NA	4.44	12.16	NA	4.47	12.11	NA
6/26/2014 (Incoming)	NA	NA	NA	NA	NA	NA	4.56	11.98	NA	4.43	12.17	NA	4.43	12.15	NA
10/6/2014	NA	NA	NA	NA	NA	NA	5.53	11.01	NA	5.41	11.19	NA	5.44	11.14	NA
1/5/2015	NA	NA	NA	NA	NA	NA	4.82	11.72	NA	4.69	11.91	NA	4.68	11.9	NA
3/26/2015	NA	NA	NA	NA	NA	NA	1.17	15.37	NA	1.01	15.59	NA	0.99	15.59	NA
6/15/2015	NA	NA	NA	NA	NA	NA	4.00	12.54	NA	3.93	12.67	NA	3.95	12.63	NA
9/28/2015	NA	NA	NA	NA	NA	NA	5.73	10.81	NA	5.59	11.01	NA	5.55	11.03	NA

TABLE 2: GROUNDWATER ELEVATION SUMMARY

Facility Name: Ed Ball Building **FDEP Facility ID #: COM_280472**
Facility Address: 214 North Hogan Street, Duval County, FL

All Measurements (Except Well Diameter) = Feet
DTW = Depth to Water
[1] = Top of Casing elevation based on a city of Jacksonville benchmark (BM-X), having an elevation of 9.895 feet National Geodetic Vertical Datum (NGVD) of 1929, located at the southwest corner of the intersection of Adams and Clay Streets. Surveyed by Atlantic Gulf Survey Co. on November 8, 2010.

TOC = Top of Casing **NI = Not Installed**
ELEV = Elevation **NA = Not Applicable**
FP = Free Product **NG = Not Guaged**

WELL NO.	AESMW - 3S			AESMW - 3I			AESMW - 3D			AESMW - 4S			AESMW - 4I			AESMW - 4D		
DIAMETER (INCHES)	1			1			0.75			1			1			0.75		
WELL DEPTH	17			35			45			17			34			41		
SCREEN INTERVAL	7-17			30-35			40-45			7-17			29-34			36-41		
TOC ELEVATION [1]	15.19			15.26			15.03			16.54			16.54			16.66		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/8/2010	5.01	10.18	NA	5.02	10.24	NA	4.92	10.11	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI
1/20/2011	4.41	10.78	NA	4.34	10.92	NA	4.33	10.7	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI
7/6/2011 (High Tide)	4.40	10.79	NA	4.37	10.89	NA	4.38	10.65	NA	4.53	12.01	NA	4.40	12.14	NA	4.43	12.23	NA
7/7/2011 (Low Tide)	4.46	10.73	NA	4.35	10.91	NA	4.36	10.67	NA	4.55	11.99	NA	4.40	12.14	NA	4.41	12.25	NA
9/20/12 (Incoming)	5.33	9.86	NA	5.59	9.67	NA	5.36	9.67	NA	5.65	10.89	NA	5.42	11.12	NA	5.45	11.21	NA
9/24/12 (Incoming)	5.17	10.02	NA	5.56	9.70	NA	5.33	9.70	NA	5.58	10.96	NA	5.39	11.15	NA	5.43	11.23	NA
4/23/13 (Incoming)	4.79	10.40	NA	4.74	10.52	NA	4.75	10.28	NA	4.84	11.70	NA	4.71	11.83	NA	4.75	11.91	NA
4/25/13 (Outgoing)	4.82	10.37	NA	4.75	10.51	NA	4.81	10.22	NA	4.87	11.67	NA	4.74	11.8	NA	4.78	11.88	NA
7/17/2013 (Outgoing)	5.02	10.17	NA	4.90	10.36	NA	4.94	10.09	NA	5.09	11.45	NA	4.94	11.6	NA	4.97	11.69	NA
7/23/13 (Incoming)	5.15	10.04	NA	5.02	10.24	NA	4.96	10.07	NA	5.20	11.34	NA	5.06	11.48	NA	5.11	11.55	NA
9/10/13 (Outgoing)	5.16	10.03	NA	5.05	10.21	NA	5.03	10.00	NA	5.27	11.27	NA	5.06	11.48	NA	5.13	11.53	NA
9/19/13 (Incoming)	5.34	9.85	NA	5.18	10.08	NA	5.19	9.84	NA	5.36	11.18	NA	5.20	11.34	NA	5.26	11.4	NA
1/7/2014	4.90	10.29	NA	4.81	10.45	NA	4.85	10.18	NA	5.01	11.53	NA	4.81	11.73	NA	4.89	11.77	NA
3/26/2014 (Outgoing)	5.24	9.95	NA	5.08	10.18	NA	5.09	9.94	NA	5.37	11.17	NA	5.14	11.4	NA	5.18	11.48	NA
4/2/2014 (Incoming)	5.32	9.87	NA	5.14	10.12	NA	5.19	9.84	NA	5.43	11.11	NA	5.23	11.31	NA	5.26	11.4	NA
6/26/2014 (Outgoing)	4.71	10.48	NA	4.58	10.68	NA	4.58	10.45	NA	4.81	11.73	NA	4.64	11.9	NA	4.65	12.01	NA
6/26/2014 (Incoming)	4.66	10.53	NA	4.55	10.71	NA	4.58	10.45	NA	4.79	11.75	NA	4.60	11.94	NA	4.65	12.01	NA
10/6/2014	5.63	9.56	NA	5.49	9.77	NA	5.49	9.54	NA	5.76	10.78	NA	5.55	10.99	NA	5.61	11.05	NA
1/5/2015	4.88	10.31	NA	4.76	10.50	NA	4.76	10.27	NA	5.06	11.48	NA	4.89	11.65	NA	4.91	11.75	NA
3/26/2015	1.37	13.82	NA	1.31	13.95	NA	1.14	13.89	NA	4.63	11.91	NA	4.48	12.06	NA	4.48	12.18	NA
6/15/2015	4.17	11.02	NA	4.10	11.16	NA	4.08	10.95	NA	4.23	12.31	NA	4.08	12.46	NA	4.13	12.53	NA
9/28/2015	5.82	9.37	NA	5.66	9.60	NA	5.67	9.36	NA	5.93	10.61	NA	5.64	10.90	NA	5.41	11.25	NA

FIGURES

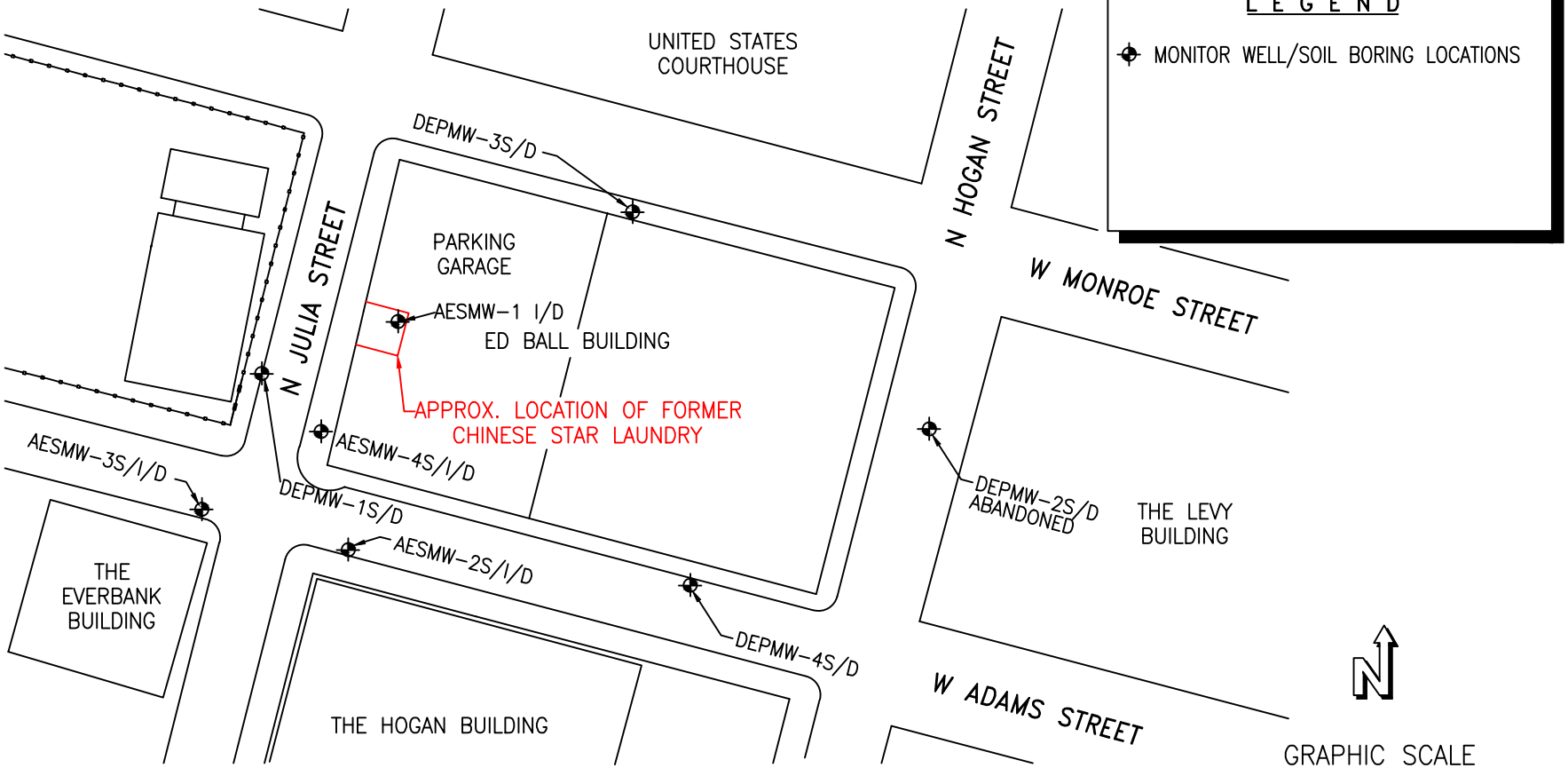
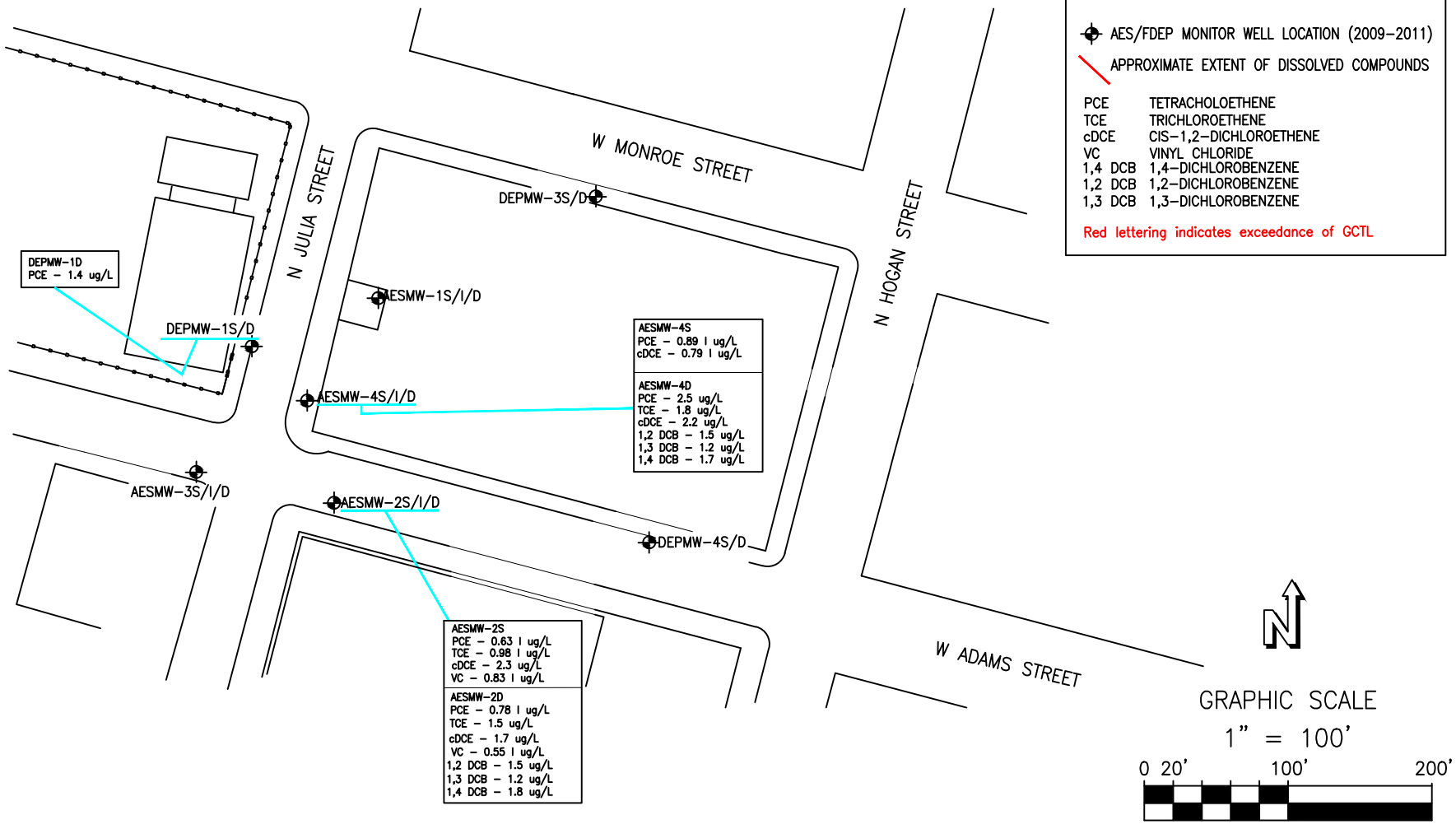


FIGURE 1. SITE MAP

AerostarSES LLC	ED BALL BUILDING 214 NORTH HOGAN STREET JACKSONVILLE, FLORIDA	DRAWN BY: GR DATE: 4/22/15



JOB #0110–468–05

FIGURE 2. GROUNDWATER ANALYTICAL RESULTS MAP – (SEPTEMBER 28, 2015)

AerostarSES LLC

ED BALL BUILDING
214 NORTH HOGAN STREET
JACKSONVILLE, FLORIDA

DRAWN BY: GR

DATE: 10/20/15

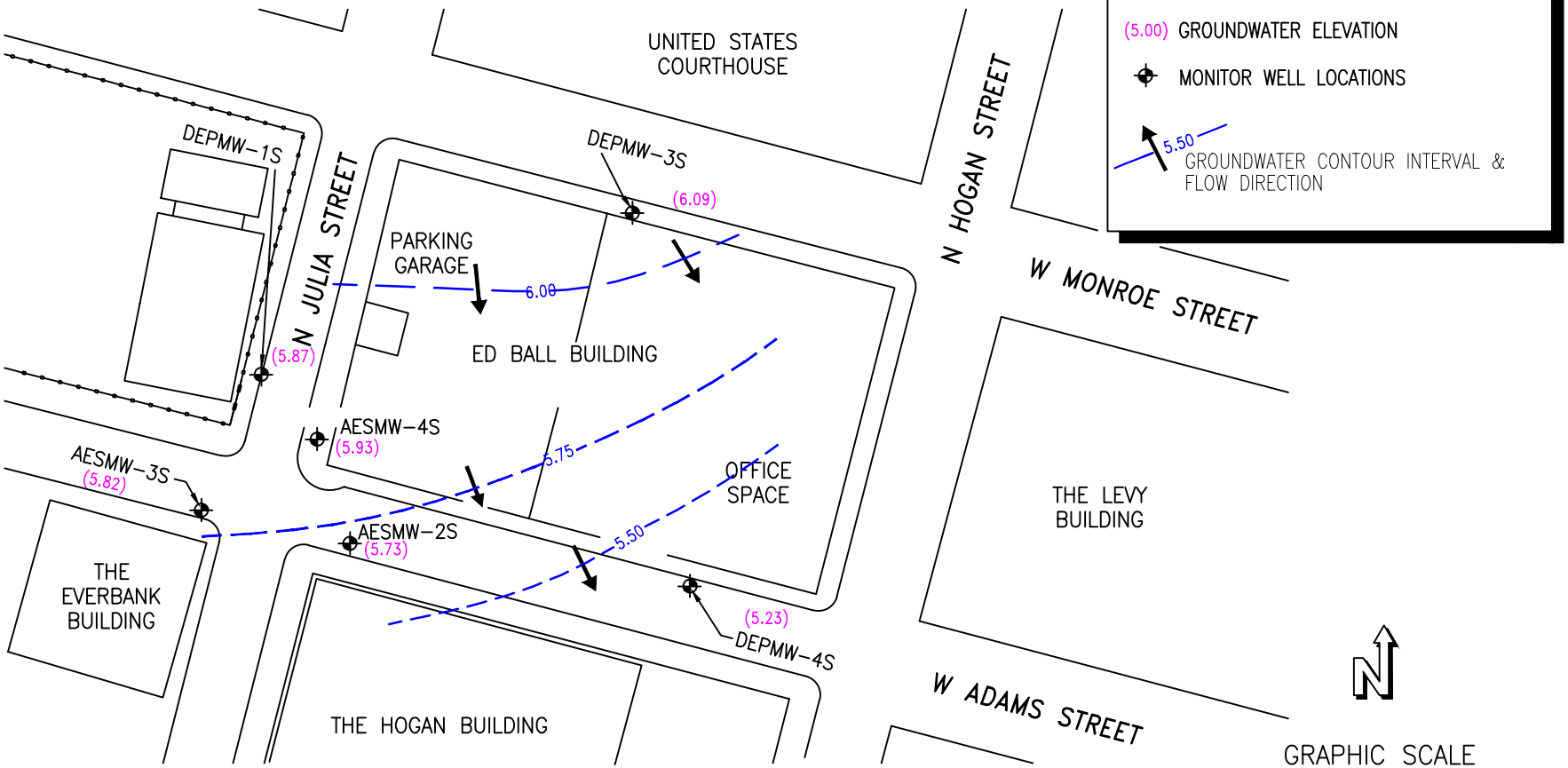


FIGURE 3. GROUNDWATER FLOW MAP – SHALLOW INTERVAL (9/28/2015)

AerostarSES LLC

ED BALL BUILDING
214 NORTH HOGAN STREET
JACKSONVILLE, FLORIDA

DRAWN BY: GR

DATE: 10/12/15

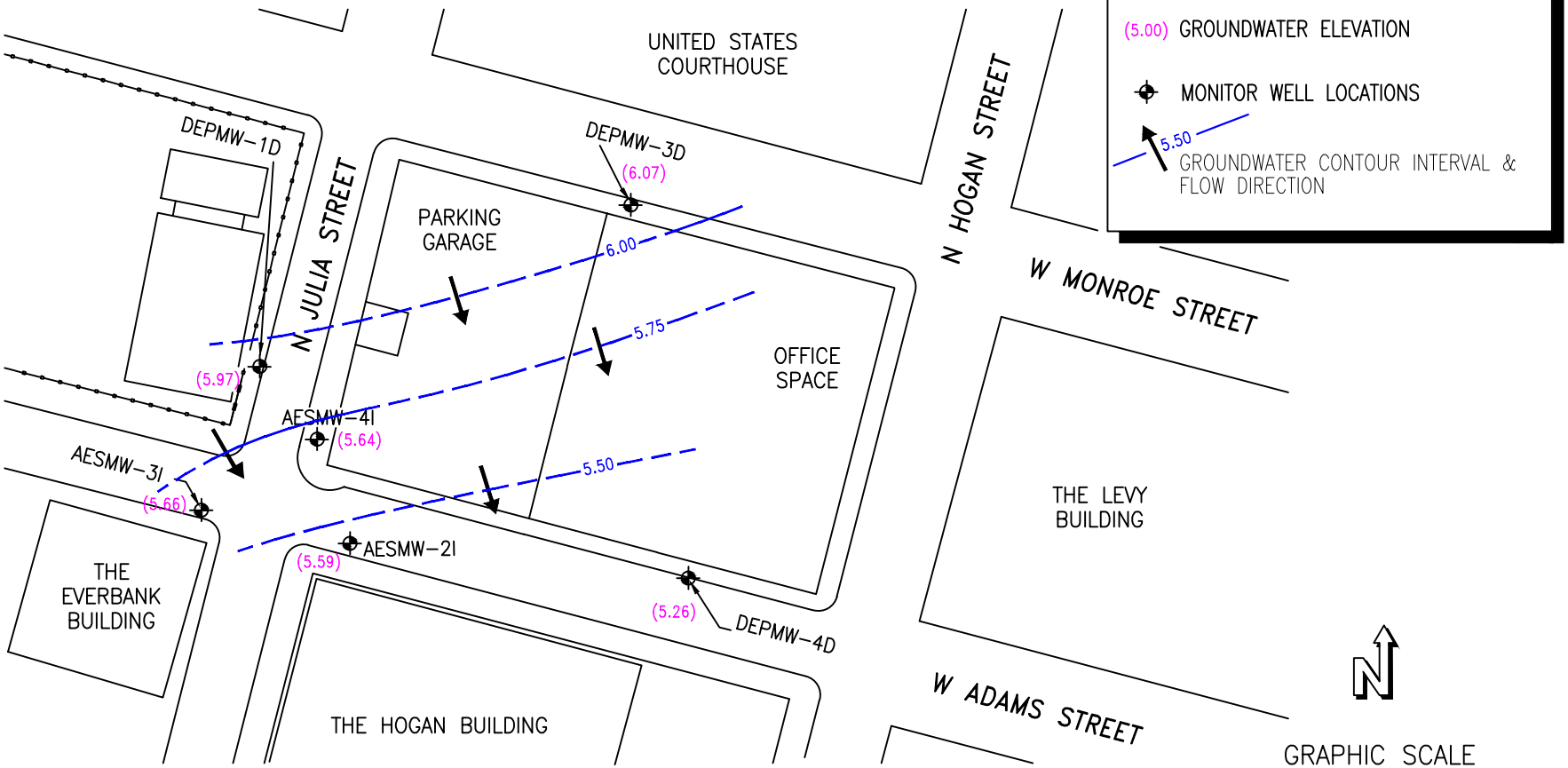


FIGURE 4. GROUNDWATER FLOW MAP – INTERMEDIATE INTERVAL (9/28/15)

AerostarSES LLC

ED BALL BUILDING
214 NORTH HOGAN STREET
JACKSONVILLE, FLORIDA

DRAWN BY: GR

DATE:10/20/15

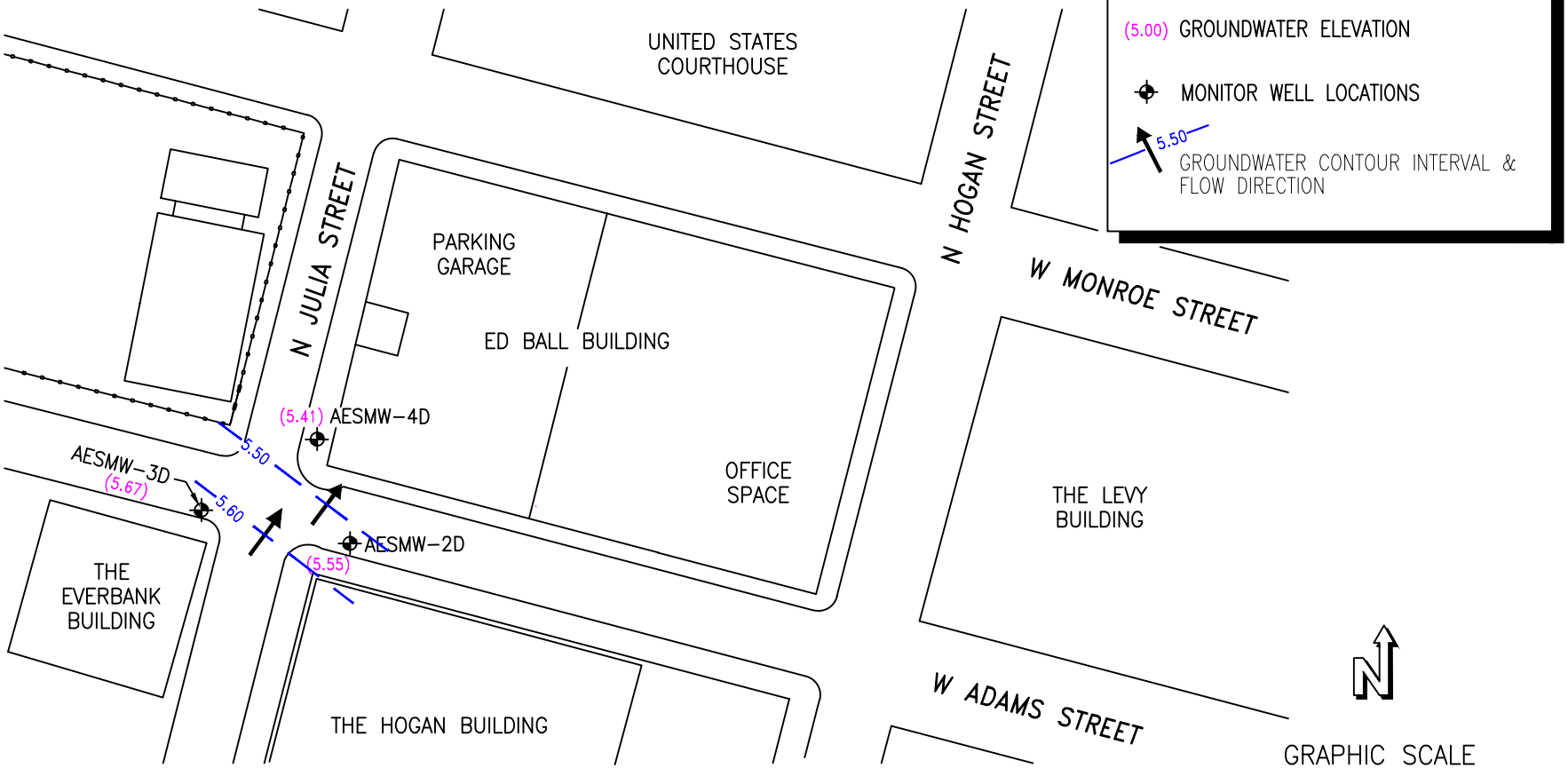


FIGURE 5. GROUNDWATER FLOW MAP – DEEP INTERVAL (9/28/15)

AerostarSES LLC

ED BALL BUILDING
214 NORTH HOGAN STREET
JACKSONVILLE, FLORIDA

DRAWN BY: GR

DATE: 10/20/15

Florida Department of Environmental Protection

Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

May 12, 2016

Electronically sent to: jsfoster@coj.net

Jeffrey S. Foster, P.G., P.E. - Division Chief
City of Jacksonville
Department of Public Works- Solid Waste Division
1031 Superior Street
Jacksonville, Florida 32254

Re: **Site Rehabilitation Completion Order (SRCO)**
Ed Ball Building
214 North Hogan Street, Jacksonville, Florida
Site ID #COM_280472; Project ID #307562
Duval County-Waste Cleanup

Dear Mr. Foster:

The Florida Department of Environmental Protection (Department) Northeast District's Waste Cleanup Section has reviewed the "Site Rehabilitation Completion Report," prepared by Aerostar SES LLC, dated and received on January 25, 2016, for the Ed Ball Building (site) located at 214 North Hogan Street, Jacksonville, Duval County, Florida (Duval County Property Appraiser parcel 073768-1000). Maps showing the location of the Ed Ball Building and the former location of the contaminated site for which this Order is being issued are attached as **Exhibits 1** and **2** and are incorporated by reference herein.

The contamination, which resulted from an historical discharge related to former drycleaning operations previously located on the property was discovered on October 13, 2005, and consisted of tetrachloroethene and vinyl chloride in the groundwater. The discharge was located in the western side of the building. The "Site Rehabilitation Completion Report," is supported by earlier submittals, prepared pursuant to the requirements of Chapter 62-780, Florida Administrative Code (F.A.C.), which can be found in the Department's document repository at:

Oculus Search Results for Ed Ball Building

Based on the documentation submitted with the "Site Rehabilitation Completion Report," and other submitted documents, the Department has reasonable assurance that the Ed Ball Building has met the criteria in Chapter 62-780, F.A.C. The submittals indicate that groundwater contaminant concentrations are below the applicable Groundwater Cleanup Target Levels, as adopted in Chapter 62-777, F.A.C. (Effective date April 17, 2005). Therefore, the City of Jacksonville has satisfied the site rehabilitation requirements for the above-referenced contaminated site and are released from any further obligation to conduct site rehabilitation at the contaminated site, except as set forth below. See attached table **Exhibit 3**, incorporated by reference herein, which includes information regarding the contaminants, affected media, and applicable cleanup target levels for the contaminated site that is the subject of this Order.

Failure to meet the following requirement will result in the revocation of this Order:

(a) You are required to properly plug and abandon all monitoring wells, injection wells, extraction wells, and sparge wells unless these wells are otherwise required for compliance with a local ordinance or another cleanup within 60 days of receipt of this Order. The wells must be plugged and abandoned in accordance with the requirements of Rule 62 532.500(5), F.A.C. A Well Plugging Report shall be submitted within 30 days of well plugging.

Further, in accordance with Chapter 376.30701(4), Florida Statutes (F.S.), upon completion of site rehabilitation, additional site rehabilitation is not required unless it is demonstrated that:

(a) Fraud was committed in demonstrating site conditions or completion of site rehabilitation;

(b) New information confirms the existence of an area of previously unknown contamination which exceeds the site-specific rehabilitation levels established in accordance with Section 376.30701(2), F.S., or which otherwise poses the threat of real and substantial harm to public health, safety, or the environment;

(c) A new discharge of pollutants or hazardous substances occurs at the site subsequent to the issuance of this Order.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57, F.S., within **21** days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

Persons affected by this Order have the following options:

A. If you choose to accept the Department's decision regarding this SRCO, you do not have to do anything. This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order.

B. If you choose to challenge the decision, you may do the following:

1. File a request for an extension of time to file a petition for hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order. Such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing; or

2. File a petition for administrative hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order.

Please be advised that mediation of this decision pursuant to section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the City of Jacksonville shall mail a copy of the request to the City of Jacksonville at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the City of Jacksonville shall mail a copy of the petition to the City of Jacksonville at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under sections 120.569 and 120.57, F.S.

Pursuant to subsection 120.569(2), F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the site owner's name and address, if different from the petitioner; the Department's facility number; and the name and address of the facility;

b) A statement of when and how each petitioner received notice of the Department's action or proposed action;

c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;

d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;

e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;

f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and

g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under section 120.68, F.S., by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Agency Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department (see below).

Questions

Any questions regarding the Department's review of your "Site Rehabilitation Completion Report" should be directed to Darrin McKeehen at the letterhead address, by email at darrin.mckeehen@dep.state.fl.us or by phone at (904) 256-1545. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

Sincerely,

James R Maher

James R. Maher, P.E.
Assistant Director

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to §120.52
Florida Statutes, with the designated
Department Clerk, receipt of which is
hereby acknowledged.

Brigitte Tidan 5/12/2016

Clerk (or Deputy Clerk) Date

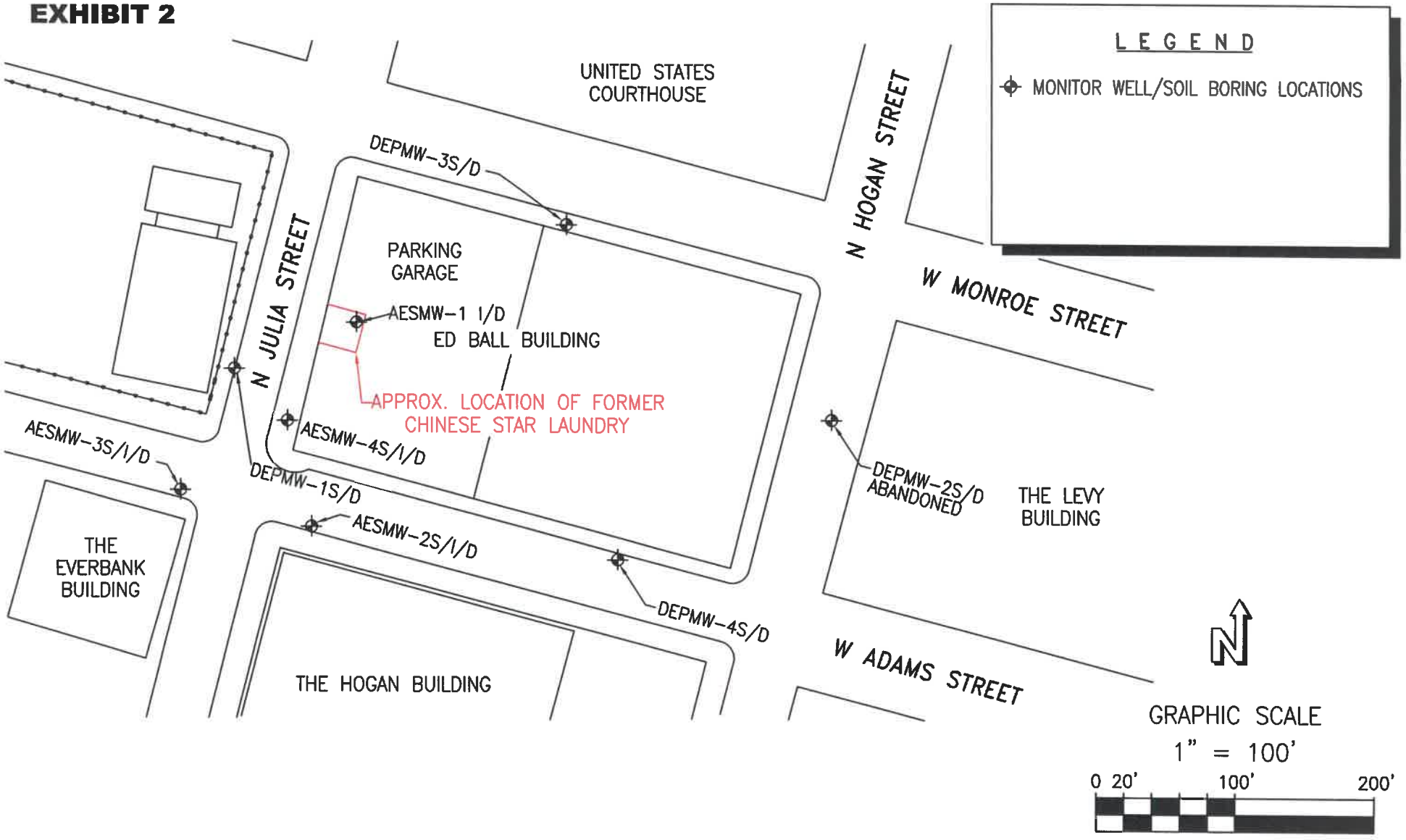
Enclosures (Exhibits 1, 2, and 3)

ec: Eric Fuller - COJ Efuller@coj.net
Geoffrey Reichold - Aerostar SES LLC Greichold@aerostar.net

EXHIBIT 1

RE #	Name	Address	Transaction Price	Acres	Book-Page	Map Panel	Legal Descriptions
073768 1000	CITY OF JACKSONVILLE	214 HOGAN ST N JACKSONVILLE 32202	23000000	1.25	1305701336	6413	39-2S-26E 1.20 JAX HARTS MAP LOTS 1,2,4,5,W1/2 LOT 3,N1/4 LOT 6

EXHIBIT 2



JOB #0110-468-05

FIGURE 1. SITE MAP

AerostarSES LLC

ED BALL BUILDING
214 NORTH HOGAN STREET
JACKSONVILLE, FLORIDA

DRAWN BY: GR

DATE: 4/22/15

EXHIBIT 3

TABLE 1: GROUNDWATER LABORATORY ANALYTICAL SUMMARY

Facility Name: Ed Ball Building | **FDEP Facility ID #: COM_280472**

Facility Address: 214 North Hogan Street, Jacksonville, Duval County, Florida

Results are in micrograms per Liter (µg/L)
GCTL = Groundwater Cleanup Target Level
NADC= Natural Attenuation Default Concentrations
BDL = Below Detection Limits

U= Below method detection limits
I =Between method detection limit and practical quantitation limit
NS = Not Sampled
NA = Not Analyzed

Sample Location	Date Sampled	Tetrachloro-ethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloro-ethene	Vinyl Chloride	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	1,2,3-Trichloro-benzene	1,2,4- Trichloro-benzene
GCTL 62-777_FAC		3	3	70	100	1	600	210	75	70	70
NADC 62-777_FAC		300	300	700	1000	100	6000	2100	7500	700	700
DEPMW-1S	9/17/2009	BDL	1.20	1.6 I	BDL	0.75 I	0.80 I	0.54 I	BDL	BDL	BDL
	11/8/2010	0.098 U	0.357 U	0.700 I	0.128 U	0.192 U	0.150 U	0.215 U	0.104 U	0.119 U	0.101 U
	9/21/2012	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.600 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/24/2013	0.400 U	0.400 U	0.420 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.400 U	0.660 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/11/2013	0.400 U	0.400 U	0.560 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	3.2	4.0	5.6	0.50 U	0.72 I	1.2	1.3	1.3	NA	NA
	3/27/2014	0.50 U	0.50 U	0.56 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.64 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2015	0.50 U	0.50 U	0.50 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.50 U	0.50 U	2	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/21/2015	0.50 U	0.50 U	0.54 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
DEPMW-1D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.76 I	BDL	BDL
	11/8/2010	0.250 I	0.357 U	0.390 I	0.128 U	0.192 U	0.150 U	0.215 U	0.104 U	0.190 I	0.101 U
	1/20/2011	0.252 I	0.357 U	0.075 U	0.128 U	0.192 U	0.967 I	0.215 U	0.265 I	0.359 I	1.52
	9/21/2012	0.50 U	0.50 U	0.89 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.520 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/24/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/19/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/9/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	1.4	0.50 U	0.60 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/21/2015	0.51 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
DEPMW- 3S	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-3D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-4S	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-4D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AESMW-1I	1/4/2011	0.098 U	0.357 U	0.075 U	0.128 U	0.192 U	0.15	0.215 U	0.104 U	0.119 U	0.101 U
	9/20/2012	0.59 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	2.07	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/24/2013	1.90	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	1.27	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/11/2013	1.04	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	1.1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2014	2.1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/27/2014	1.0	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/22/2015	0.50 U	0.54 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-1D	1/4/2011	1.17	0.40	0.67	0.128 U	0.192 U	0.150 U	0.215 U	0.104 U	0.119 U	0.101 U
	9/20/2012	0.50 U	0.50 U	0.29 U	0.25 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS
	12/20/2012	0.540 I	0.420 I	0.410 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/24/2013	0.840 I	0.460 I	0.740 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	1.50	0.690 I	1.10	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/11/2013	0.840 I	0.410 I	0.775 I	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	3.6	2.1	6.5	0.50 U	2.2	0.50 U	0.53 I	0.50 U	NA	NA
	3/27/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/27/2014	0.92 I	0.65 I	0.78 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2015	1.10	0.50 U	0.76 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/22/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-2S	11/8/2010	3.10	0.830 I	3.77	0.128 U	1.28	0.150 U	0.215 U	0.104 U	0.990 I	3.69
	9/21/2012	0.58 I	0.62 I	1.2	0.50 U	0.50 U	1.1	0.60 U	0.50 U	NA	NA
	12/20/2012	0.770 I	0.850 I	1.4	0.400 U	0.400 U	0.970 I	0.400 U	0.400 U	NA	NA
	4/23/2013	1.51	1.00	1.87	0.400 U	1.32	0.940 I	0.400 U	0.420 I	NA	NA
	7/17/2013	2.40	2.25	4.62	0.400 U	2.63	1.2	1.08	0.750 I	NA	NA
	9/10/2013	0.400 U	0.400 U	1.27	0.400 U	0.400 U	0.720 I	1.00 U	0.400 U	NA	NA
	1/7/2014	0.50 U	0.50 U	0.56 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2014	0.50 U	0.50 U	2.90	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	3.3	0.50 U	1.0	0.50 U	0.50 U	0.50 U	NA	NA
	10/6/2014	1.5	0.50 U	1.3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.59 I	0.57 I	1.5	0.50 U	0.50 U	0.86 I	0.50 U	0.50 U	NA	NA
	3/26/2015	0.50 U	0.50 U	0.61 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/16/2015	1.7	1.60	4.4	0.50 U	1.3	0.50 U	0.50 U	0.84 I	NA	NA
	9/28/2015	0.83 I	0.98 I	2.3	0.50 U	0.83 I	0.50 U	0.50 U	0.50 U	NA	NA
	12/21/2015	0.78 I	0.98 I	2.5	0.50 U	0.64 I	0.67 I	0.72 I	0.65 I	NA	NA
AESMW-2I	11/8/2010	0.098 U	0.357 U	0.200 I	0.128 U	0.192 U	0.150 U	0.215 U	0.104 U	0.119 U	0.101 U
	1/20/2011	0.098 U	0.0357 U	0.075 U	0.128 U	0.192 U	0.403 I	0.215 U	0.104 U	0.119 U	0.467 I
	9/21/2012	0.50 U	0.50 U	0.89 I	0.50 U	0.50 U	1.0	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.780 I	0.400 U	0.560 I	0.560 I	0.400 U	0.400 U	NA	NA
	4/23/2013	0.400 U	0.400 U	1.66	0.400 U	1.70	0.850 I	0.400 U	0.400 U	NA	NA
	5/22/2013	0.400 U	0.400 U	3.72	0.400 U	1.28	2.67	0.400 U	0.400 I	NA	NA
	7/17/2013	0.430 I	0.400 U	2.22	0.400 U	1.62	2.45	0.400 U	0.450 I	NA	NA
	9/10/2013	0.660 I	0.630 I	4.20	0.400 U	1.85	0.700 I	0.400 U	0.400 U	NA	NA
	1/7/2014	1.3	2.4	2.4	0.50 U	0.50 U	1.5	1.4	1.6	NA	NA
	3/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.50 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/6/2014	1.0	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/15/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/21/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-2D	1/8/2010	2.15	1.16	2.54	0.128 U	0.600 I	0.150 U	0.215 U	0.104 U	0.770 I	2.05
	1/20/2011	2.23	1.48	2.75	0.128 U	0.451 I	0.785 I	0.881 I	1.04	1.60	6.30
	9/21/2012	1.6	1.8	1.9	0.50 U	0.53 I	1.1	1.2	1.2	NA	NA
	12/20/2012	0.960 I	1.18	2.2	0.400 U	0.400 U	0.750 I	0.770 I	0.730 I	NA	NA
	4/23/2013	1.33	1.62	2.05	0.400 U	1.22	0.830 I	1.00	1.21	NA	NA
	7/17/2013	1.52	2.24	2.39	0.400 U	0.400 U	1.3	1.27	1.51	NA	NA
	9/10/2013	1.29	1.38	1.54	0.400 U	0.400 U	1.15	1.41	1.27	NA	NA
	1/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2014	1.20	1.60	1.60	0.50 U	0.50 U	1.2	0.80 I	1.40	NA	NA
	6/26/2014	0.76 I	1.6	1.8	0.50 U	0.50 U	1.0	0.87 I	1.1	NA	NA
	10/6/2014	1.7	0.50 U	1.2	0.50 U	0.50 U	1.1	0.50 U	1.5	NA	NA
	1/5/2015	1.5	1.4	1.4	0.50 U	0.50 U	1.5	1.1	1.8	NA	NA
	3/26/2015	1.4	1.5	1.3	0.50 U	0.50 U	1.2	1.0	1.5	NA	NA
	6/15/2015	1.1	1.5	1.7	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/28/2015	0.78 I	1.5	1.7	0.50 U	0.55 I	1.5	1.2	1.6	NA	NA
	12/21/2015	0.58 I	0.91 I	1.2	0.50 U	0.50 U	1.4	0.97 I	1.6	NA	NA

EXHIBIT 3

TABLE 1: GROUNDWATER LABORATORY ANALYTICAL SUMMARY

Facility Name: Ed Ball Building **FDEP Facility ID #: COM_280472**
Facility Address: 214 North Hogan Street, Jacksonville, Duval County, Florida

Results are in micrograms per Liter (µg/L)
GCTL = Groundwater Cleanup Target Level
NADC= Natural Attenuation Default Concentrations
BDL = Below Detection Limits

U= Below method detection limits
I =Between method detection limit and practical quantitation limit
NS = Not Sampled
NA = Not Analyzed

Sample Location	Date Sampled	Tetrachloro-ethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloro-ethene	Vinyl Chloride	1,2 - Dichloro-benzene	1,3 - Dichloro-benzene	1,4 - Dichloro-benzene	1,2,3-Trichloro-benzene	1,2,4 - Trichloro-benzene
GCTL 62-777, FAC		3	3	70	100	1	600	210	75	70	70
NADC 62-777, FAC		300	300	700	1000	100	6000	2100	7500	700	700
AESMW-3S	11/8/2010	0.098 U	0.357 U	0.075 U	0.128 U	0.192 U	0.160 U	0.215 U	0.104 U	0.119 U	0.101 U
	9/21/2012	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	4/23/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	9/10/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/8/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/15/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/21/2015	0.50 U	0.70 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-3I	11/8/2010	0.098 U	0.357 U	2.45	0.128 U	0.662 I	1.06	0.662 I	0.691 I	0.119 U	1.41
	1/20/2011	0.098 U	0.357 U	2.76	0.128 U	1.03	1.17	0.567 I	0.655 I	0.119 U	1.67
	9/21/2012	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	1.5	0.400 U	0.580 I	1.03	0.600 I	0.540 I	NA	NA
	4/23/2013	0.400 U	0.400 U	1.11	0.400 U	0.790 I	0.430 I	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.410 I	1.13	0.400 U	0.400 U	0.900 I	0.650 I	0.400 U	NA	NA
	9/10/2013	0.400 U	0.400 U	0.630 I	0.400 U	0.400 U	0.430 I	0.400 U	0.400 U	NA	NA
	1/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 I	0.50 U	0.50 U	NA	NA
	3/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.50 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/7/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/8/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.53 I	NA	NA
	6/15/2015	0.50 U	0.50 U	1.4	0.50 U	0.50 U	0.50 U	0.50 U	0.94 I	NA	NA
	12/21/2015	0.50 U	0.50 U	0.83 I	0.50 U	0.50 U	0.50 I	0.50 U	0.72 I	NA	NA
AESMW-3D	11/8/2010	0.098 U	0.441 I	2.89	0.128 U	0.345 I	0.295 I	0.761 I	0.886 I	0.119 U	1.54
	1/20/2011	0.098 U	0.668 I	4.34	0.128 U	0.192 U	0.396 I	1.43	1.50	0.119 U	3.49
	9/21/2012	0.50 U	0.50 U	2.0	0.50 U	0.50 U	0.50 U	0.50 U	0.76 I	NA	NA
	12/20/2012	0.400 U	0.500 I	4.62	0.400 U	0.400 U	0.400 U	1.32	1.34	NA	NA
	4/23/2013	0.400 U	0.400 U	4.41	0.400 U	0.400 U	0.490 I	2.17	2.15	NA	NA
	7/17/2013	0.400 U	0.400 U	4.98	0.400 U	0.400 U	0.400 U	1.07	1.23	NA	NA
	9/10/2013	0.400 U	0.400 U	3.95	0.400 U	0.400 U	0.400 U	1.23	1.30	NA	NA
	1/7/2014	0.50 U	0.50 U	5.9	0.50 U	0.50 U	0.50 U	1.0	1.2	NA	NA
	3/26/2014	0.50 U	0.50 U	4.0	0.50 U	0.50 U	0.50 U	1.7	1.9	NA	NA
	6/26/2014	0.50 U	0.50 U	3.9	0.50 U	0.50 U	0.52 I	2.1	1.8	NA	NA
	10/7/2014	0.50 U	0.50 U	3.3	0.50 U	0.50 U	0.50 U	1.3	1.8	NA	NA
	1/8/2015	0.50 U	0.50 U	2.8	0.50 U	0.50 U	0.50 U	1.3	1.8	NA	NA
	6/15/2015	0.50 U	0.50 U	3.8	0.50 U	0.50 U	0.50 U	0.50 U	2.0	NA	NA
	12/21/2015	0.50 U	0.50 U	2.5	0.50 U	0.50 U	0.50 U	1.4	1.8	NA	NA
AESMW-4S	7/6/2011	9.02	2.49	9.09	0.128 U	0.332 I	0.772 I	0.983 I	0.664 I	2.30	13.60
	9/20/2012	1.8	0.085 I	3.4	0.50 U	1.2	0.50 U	0.50 U	0.50 U	NA	NA
	12/20/2012	1.45	0.470 I	1.19	0.400 U	0.550 I	0.400 U	0.400 U	0.400 U	NA	NA
	4/23/2013	3.74	0.950 I	3.01	0.400 U	2.66	0.400 U	0.420 I	0.400 U	NA	NA
	7/17/2013	4.83	1.340	4.41	0.400 U	2.65	0.550 I	0.540 I	0.400 U	NA	NA
	9/10/2013	1.37	0.550 I	1.95	0.400 U	0.910 I	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2014	1.90	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/27/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/6/2014	1.4	0.50 U	0.92 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/6/2015	7.4	2.3	5.4	0.50 U	1.6	0.71 I	0.78 I	0.62 I	NA	NA
	3/27/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/15/2015	4.8	1.9	5.8	0.50 U	1.4	0.50 U	1.4	0.50 U	NA	NA
	9/29/2015	0.89 I	0.50 U	0.79 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/22/2015	2.1	1.2	2.6	0.50 U	0.50 U	0.50 U	0.54 I	0.50 U	NA	NA
AESMW-4I	7/6/2011	0.382 I	0.357 U	0.578 I	0.128 U	0.192 U	0.167 I	0.215 U	0.238 I	0.264 I	0.720 I
	9/20/2012	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.69 I	0.50 U	0.50 U	NA	NA
	12/20/2012	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.490 I	0.400 U	0.400 U	NA	NA
	4/23/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.910 I	0.400 U	0.400 U	NA	NA
	7/17/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.440 I	0.400 U	0.400 U	NA	NA
	9/10/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA
	1/8/2014	0.50 U	0.50 U	0.80 I	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/26/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	10/6/2014	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	1/5/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	3/27/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	6/15/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	9/29/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
	12/22/2015	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	NA
AESMW-4D	7/6/2011	6.31	2.66	6.12	0.230 I	0.192 U	0.788 I	1.04	1.39	1.02	5.75
	6/15/2011	4.69	3.17	5.96	0.400 U	1.33	0.690 I	0.720 I	0.930 I	NA	NA
	9/20/2012	2.90	2.80	4.0	0.50 U	0.78 I	0.67 I	0.85 I	1.0	NA	NA
	12/20/2012	4.68	3.03	4.61	0.400 U	0.970 I	1.41	1.91	1.90	NA	NA
	4/23/2013	3.61	2.37	3.62	0.400 U	1.39	0.870 I	0.970 I	1.22	NA	NA
	8/22/2013	3.43	2.57	3.77	0.400 U	0.730 I	1.20	1.21	1.20	NA	NA
	7/17/2013	2.93	2.66	4.02	0.400 U	0.400 U	1.75	1.16	1.02	NA	NA
	9/11/2013	3.37	2.26	3.31	0.400 U	0.400 U	1.52	1.67	1.70	NA	NA
	1/7/2014	0.78 I	0.76 I	5.7	0.50 U	0.87 I	0.78 I	0.50 U	0.50 U	NA	NA
	3/26/2014	4.3	2.9	3.5	0.50 U	0.50 U	1.1	1.3	1.6	NA	NA
	6/26/2014	3.7	2.7	3.3	0.50 U	0.50 U	1.3	1.4	1.3	NA	NA
	10/6/2014	4.3	2.5	2.9	0.50 U	0.50 U	0.50 U	1.1	1.5	NA	NA
	1/6/2015	4.1	2.4	2.9	0.50 U	0.50 U	1.0	1.1	1.5	NA	NA
	3/27/2015	3.4	2.4	3.2	0.50 U	0.50 U	0.67 I	1.0	1.2	NA	NA
	6/15/2015	3.0	2.2	2.5	0.50 U	0.50 U	0.50 U	0.50 U	1.0	NA	NA
	9/28/2015	2.5	1.8	2.2	0.50 U	0.50 U	1.5	1.2	1.7	NA	NA
	12/22/2015	1.2	1.3	1.9	0.50 U	0.50 U	1.3	1.1	1.4	NA	NA

EXHIBIT 3

TABLE 1: GROUNDWATER LABORATORY ANALYTICAL SUMMARY

Facility Name: Ed Ball Building **FDEP Facility ID #: COM_280472**
Facility Address: 214 North Hogan Street, Jacksonville, Duval County, Florida

Results are in micrograms per Liter (µg/L)
GCTL = Groundwater Cleanup Target Level
NADC= Natural Attenuation Default Concentrations
BDL = Below Detection Limits

U= Below method detection limits
I =Between method detection limit and practical quantitation limit
NS = Not Sampled
NA = Not Analyzed

Sample Location	Date Sampled	Acetone	Bromodichloro-methane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Styrene	Carbon Disulfide	Toluene
GCTL 62-777, FAC		6300	0.6	100	12	70	2.7	100	700	40
NADC 62-777, FAC		63000	60	1000	1200	700	270	1000	7,000	400
DEPMW-1S	9/17/2009	BDL	BDL	0.29 I	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.100 I	0.162 U	0.201 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/24/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/11/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/21/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
DEPMW-1D	9/17/2009	BDL	BDL	0.23 I	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	4.32	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.691 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/24/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/16/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/21/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
DEPMW- 3S	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-3D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-4S	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
DEPMW-4D	9/17/2009	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/8/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
AESMW-1I	1/4/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.201 I
	9/20/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/24/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/11/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/22/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-1D	1/4/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.208	0.201 I
	9/20/2012	NA	0.27 U	0.50 U	0.80 I	0.50 U	0.71 I	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/24/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/11/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/22/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-2S	11/8/2010	1.99 U	0.420 I	0.178 U	0.217 U	1.77	NA	0.074 U	0.162 U	0.201 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/16/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/21/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-2I	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	0.550 I	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.882 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	5/22/2013	NA	0.400 U	1.03	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.650 I	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/21/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-2D	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.904 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/5/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/21/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA

EXHIBIT 3

TABLE 1: GROUNDWATER LABORATORY ANALYTICAL SUMMARY

Facility Name: Ed Ball Building **FDEP Facility ID #: COM_280472**
Facility Address: 214 North Hogan Street, Jacksonville, Duval County, Florida

Results are in micrograms per Liter (µg/L)
GCTL = Groundwater Cleanup Target Level
NADC= Natural Attenuation Default Concentrations
BDL = Below Detection Limits

U= Below method detection limits
I =Between method detection limit and practical quantitation limit
NS = Not Sampled
NA = Not Analyzed

Sample Location	Date Sampled	Acetone	Bromodichloro-methane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Styrene	Carbon Disulfide	Toluene
GCTL 62-777	FAC	6300	0.6	100	12	70	2.7	100	700	40
NADC 62-777	FAC	63000	60	1000	1200	700	270	1000	7,000	400
AESMW-3S	11/8/2010	0.24 I	0.076 U	0.176 U	0.217 U	0.391 I	NA	0.074 U	0.162 U	0.201 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.54 I	0.62 U	NA	NA	NA
	12/20/2012	NA	0.860 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/21/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-3I	11/8/2010	1.99 U	0.076 U	0.176 U	0.217 U	5.75	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	1.99 U	0.076 U	1.33	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.698 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.860 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/21/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-3D	11/8/2010	1.99 U	0.264 U	0.176 U	0.217 U	0.780 I	NA	0.074 U	0.162 U	0.201 I
	1/20/2011	1.99 U	0.076 U	0.176 U	0.217 U	0.122 U	NA	0.074 U	0.162 U	0.872 I
	9/21/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/21/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-4S	7/7/2011	2.27 I	0.0764 U	0.320 I	0.217 U	0.331 U	NA	0.0742 U	0.455 I	0.201 U
	9/20/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.40 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.40	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/27/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/22/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-4I	7/7/2011	1.99 U	0.0764 U	0.176 U	0.217 U	0.122 U	NA	0.0742 U	0.162 U	0.201 U
	9/20/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/10/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/8/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/22/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
AESMW-4D	7/7/2011	1.99 U	0.0764 U	0.176 U	0.217 U	0.122 U	NA	0.0742 U	0.162 U	0.201 U
	9/19/2011	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	0.400 U
	9/20/2012	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/20/2012	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	4/23/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	6/22/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	7/17/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	9/11/2013	NA	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	NA	NA	NA
	1/7/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/26/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	10/6/2014	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	1/6/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	3/27/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	6/15/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	9/28/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA
	12/22/2015	NA	0.27 U	0.50 U	0.50 U	0.50 U	0.62 U	NA	NA	NA

Post Active Remediation Monitoring Report

Block 48
337 West Adams Street
Jacksonville, Duval County, Florida

FAC ID: COM_337709

Terracon Project No. EQ197066
March 11, 2020

Prepared for:
Ryan Companies US, Inc.
533 South Third Street, Suite 100
Minneapolis, MN 55415

Prepared by:
Terracon Consultants, Inc.
Jacksonville, Florida

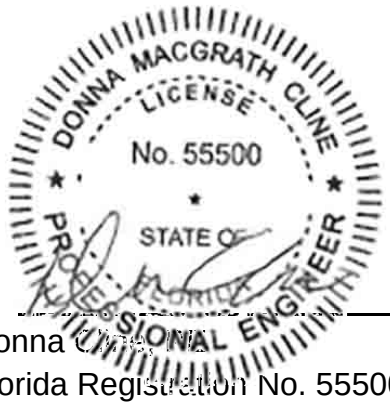
Block 48

337 West Adams Street
Jacksonville, Duval County, Florida 32202
Facility ID: COM_337709
Terracon Project No. EQ197066

In accordance with the provisions of Florida Statutes, Chapter 471, this Post Active Remediation Report for Block 48 has been prepared under my responsible charge and direct supervision. This work was performed in accordance with generally accepted professional engineering practices pursuant to Chapter 471 of the Florida Statutes and is in general conformance with Chapter 62-780, Florida Administrative Code. The data, findings, recommendations, specifications or professional opinions were prepared solely for the use of the Florida Department of Environmental Protection. Terracon Consultants, Inc. makes no other warranty, either expressed or implied, and is not responsible for the interpretation by others of these data.

This item has been electronically signed and sealed by Donna Cline, P.E. on the date adjacent to the seal using a *SHA* authentication code.

Printed copies of this document are not considered signed and sealed and the *SHA* authentication code must be verified on any electronic copies.



03/11/2020

Donna Cline, PE Date
Florida Registration No. 55500
Terracon Consultants, Inc.
Eng. Bus. Authorization No. 3684

3/11/20

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1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon), on behalf of Ryan Companies US, Inc. (Ryan), is pleased to provide this report summarizing the historical, baseline and post-active remediation monitoring (PARM) activities conducted at Block 48 (the site) located at 337 West Adams Street, Duval County, Florida 32202. The site is further identified by the Florida Department of Environmental Protection (FDEP) with facility identification number COM_337709. A Remedial Action Plan (RAP) was prepared by Terracon and submitted to the FDEP, dated October 30, 2019 which was designed to address the elevated concentrations of halogenated chlorinated solvents in groundwater at the site. The RAP was subsequently approved in a letter from the FDEP, dated November 12, 2019. Site rehabilitation via remediation and regulatory closure is being sought through FDEP Voluntary Cleanup, pursuant to the requirements of Chapter 62-780 Florida Administrative Code (F.A.C.).

The remedial action field activities that were completed between the baseline and first PARM sampling event included subsurface and groundwater injections via direct push technology (DPT) that consisted of the of PlumeStop® Liquid Activated Carbon (PlumeStop®), Z-Loy® sub-micrometer zero-valent iron (ZVI), and Hydrogen Release Compound (HRC®) for stimulating in-situ chemical reduction (ISCR) of the halogenated chlorinated compounds in the subsurface and injection of Bio-Dechlor Inoculum Plus (BDI Plus®) as a bioaugmentation agent to introduce and distribute a consortium of bacterial cultures that include the *Dehalococcoides* organisms. This report serves to describe PARM groundwater sampling conducted following the baseline and RAP field activities. The PARM is being conducted to monitor the halogenated chlorinated solvent groundwater concentrations at the site and ensure a shrinking and/or stable plume to, at a minimum, satisfy the requirements of a Risk Management Option (RMO) III closure in a reasonable timeframe.

2.0 SITE DESCRIPTION

The site consists of an approximate 1.52-acre vacant parcel described by the Duval County Property Appraiser's Office as RE# 073794-0100, and addressed as 337 West Adams Street, Jacksonville, County of Duval, State of Florida (the site). The site is owned by the City of Jacksonville (COJ) and is currently an undeveloped block in downtown Jacksonville. The site is currently used as a parking area and contains paved and unpaved areas. Ryan plans to purchase and develop the site with a nine-story office building (slab on grade construction) and an associated nine-level parking deck. A Topographic Vicinity Map showing the site location is included as **Exhibit 1**, and a Site Plan is included as **Exhibit 2**.

2.1 Summary of Previous Groundwater Assessment Activities

Groundwater at the site is impacted by a historic release of halogenated chlorinated solvents believed to originate from a former onsite dry-cleaning operation. Groundwater on the site has

been assessed by the COJ. The results of the various investigations and assessments as they pertain to groundwater assessment are discussed below.

A Phase II Environmental Site Assessment (ESA) entitled "Phase II Environmental Site Assessment, Block 48, Jacksonville Harts Area, Jacksonville, Florida", was prepared for the COJ, by Aerostar Environmental Services, Inc. (Aerostar), dated September 21, 2004 for the site. Aerostar installed five shallow and intermediate temporary screen point monitoring wells at the historical dry-cleaning operation site for groundwater sample collection and analysis. The groundwater analytical results reported perchloroethene (PCE), trichloroethylene (TCE), cis-1,2-dichloroethylene (cDCE), and vinyl chloride concentrations above applicable Groundwater Cleanup Target Levels (GCTLs) in five of the screen point samples. The highest PCE concentration of 540 micrograms per liter (ug/L) was detected in the sample collected from GW-12, collected from 11 to 15 feet below ground surface (bgs). This sample was located within the southwest portion of the site and is consistent with the current findings obtained by Terracon. Aerostar recommended further assessment of halogenated chlorinated solvents in groundwater.

A report entitled, "Site Assessment Report, Block 48, Jacksonville Harts Area – City of Jacksonville", by CDM, dated February 2018 was prepared for the site. The 2018 Site Assessment Report included an additional 11 direct-push groundwater sampling points from 15-20 feet bgs and 30 to 35 feet bgs, and the installation of 16 permanent monitoring wells. Results of the assessment documented the highest concentrations of halogenated chlorinated solvents in MW-2I, localized within the southwest portion of the site. Offsite contamination of vinyl chloride was discovered in MW-8I; however, it was noted that "potential former dry cleaners have been identified upgradient of MW-8I and the vinyl chloride at this location could not be conclusively attributed to a release on Block 48."

An additional report, entitled "Supplemental Site Assessment Report, Block 48, Jacksonville Harts Area – City of Jacksonville", by CDM, dated April 5, 2019 was prepared for the site. This report was a continuation of the 2018 Site Assessment Report where CDM fulfilled additional recommendations by the FDEP in order to achieve site assessment requirements. CDM installed two additional monitoring wells, MW-2D and MW-9I and collected groundwater samples to complete the vertical and horizontal delineation of halogenated chlorinated solvents. The halogenated chlorinated solvent concentrations were below the respective GCTLs in both of the newly installed wells. CDM recommended a quarterly monitoring natural attenuation monitoring (NAM) program for the halogenated chlorinated solvent groundwater impacts.

Two rounds of NAM have been conducted, the first in June 2019 and the second in September 2019. The June 2019 halogenated chlorinated solvent concentrations exceeded the natural attenuation default criteria (NADC) for PCE, cDCE, and vinyl chloride within source monitoring well MW-2I. Additionally, the GCTL was exceeded for TCE in MW-2I. The September 2019 analytical results identified halogenated chlorinated solvent concentrations decreasing for PCE, TCE, and cDCE, but remained above their respective GCTLs within MW-2I. The concentration

of vinyl chloride remained above the NADC in MW-2I. Both of these NAM sampling event results show elevated concentrations within source well MW-2I that contrast significantly with prior pre-NAM sampling events.

Based on the findings of the comprehensive assessment work conducted at the site, groundwater impacts at the site appear to have been fully delineated by CDM. The increase in contaminant concentrations identified by CDM in June 2019 and the necessity of demonstrating a stable groundwater plume to, at a minimum, achieve an RMO III closure, warranted a source zone, or focused site remediation. Baseline groundwater sampling was conducted by Terracon on November 21, 2019 and the RAP field activities were conducted from December 10, 2019 through December 18, 2019.

2.2 Summary of Remediation Activities

In accordance with the approved RAP, the remedial activities began on December 10, 2019 and were completed on December 18, 2019. A series of 30 injection points were advanced using direct push technology (DPT). The injection points were located in proximity to existing monitoring well MW-2I and were conducted utilizing a bottom-up approach beginning at approximately 32-feet bgs injecting at 2 to 3-foot intervals up to a depth of approximately 18-feet bgs.

Regenesis was the vendor who facilitated the DPT injections and provided the application of PlumeStop®, Z-Loy® ZVI, BDI Plus® and HRC® to treat the halogenated chlorinated solvent groundwater plume. Up to three injection points were completed at a time using the Regenesis Remediation Services (RRS) custom injection trailer. An enclosed injection trailer that contained mixing tanks, pumps, and delivery system equipped for direct connection to downhole injection Geoprobe rods.

Initially the PlumeStop®, Z-Loy® ZVI, and BDI Plus® injections were completed using a 1.5-inch retractable stainless-steel injection screen (2 and 3-foot length). The PlumeStop® and Z-Loy® ZVI were diluted and injected simultaneously using a positive displacement pump. The BDI Plus® was introduced to the injection system at each interval, using nitrogen gas, to prevent any contact with the atmosphere. The Z-Loy® ZVI injections were completed using a double diaphragm pump and injected through the same expendable tip injection tooling. The HRC® points were placed three (3) feet NE of each PlumeStop®, Z-Loy® ZVI and BDI Plus® point of injection. The upgradient placement of the HRC® injection points minimized the interference of HRC® with the activated carbon in the PlumeStop®, and also maximized the total coverage of the injection area.

A total of 10,000 pounds / 1,181 gallons of PlumeStop®, 1,700 pounds / 113 gallons of Z-Loy® ZVI 680 pounds / 63 gallons of Z-Loy® ZVI and 18 liters of BDI Plus were injected among the 30 injections points.

Completed injection borings were abandoned using hydrated bentonite. The results of these activities were documented in an Injection Completion Report dated January 2020, that was submitted to the FDEP for review and approval.

3.0 FIELD ACTIVITIES

3.1 Post-Active Remediation Groundwater Sampling and Methodology

The post-active remediation groundwater sampling event was conducted on January 20, 2020 using standard well purging techniques and in accordance with the FDEP SOPs. During this groundwater sampling event, the well volume purge method was used. Groundwater samples were collected from monitoring wells; MW-1I, MW-2I, MW-2D, MW-5I, MW-8I, and MW-9I. Groundwater samples were submitted for laboratory analysis (Halogenated VOCs) by EPA Method 8260B. Underground Injection Control (UIC) parameters were also collected as required following the injection of PlumeStop® ®, Z-Loy®, HRC®, and BDI Plus®, which have the potential to cause a temporary exceedance of the drinking water standard for various analytes. Rule 62-520.310(8)(c), F.A.C., allows those parameters to exceed standards in a temporary zone of discharge (TZOD). UIC parameters were collected from MW-2I, MW-8I and MW-9I. The UIC parameters were analyzed for the constituents listed in the following table.

Injected Substrate	UIC Monitoring Parameters / Analytes and Analytical Methods
PlumeStop® ®	Aluminum (EPA Method 6010)
Z-Loy®	Aluminum, Iron and Sodium (EPA Method 6010), Ammonia (EPA Method 350.1), Ethylene glycol and Propylene glycol (EPA Method 8015), and Foaming agents (Method SM 5540C)
HRC®	pH and color (Method SM 2120B-01), Total Dissolved Solids [TDS] (Method SM 2540C), and Chloride (EPA Method 300.0)
BDI Plus®	Not Applicable

Samples were labeled, packed in wet ice and delivered under chain-of-custody to Pace Analytical Services in Jacksonville, Florida for analysis. Field parameters including dissolved oxygen (DO), oxidation reduction potential (ORP), temperature, pH, conductivity, and turbidity were measured and recorded during monitoring well purging. Establishment of stable purging parameters of the monitoring wells were carried out in accordance with the FDEP Standard Operating Procedures (FS 2212) before the wells were sampled. Groundwater sampling logs and field instrument calibration logs are provided in **Appendix A**.

3.2 Depth-to-Groundwater Measurements

Terracon performed depth-to-groundwater measurements on January 20, 2020. Depth-to-groundwater measurements at all accessible monitoring wells were collected by Terracon personnel. Groundwater levels and relative elevation data are summarized in **Table 1**. Field

data sheets are provided in **Appendix A**. A site diagram with locations of described monitoring wells is provided as **Exhibit 2**. Depth-to-groundwater was measured using an electronic water level indicator probe, which was decontaminated in accordance with FDEP SOPs between each measurement.

4.0 GROUNDWATER ANALYSIS

4.1 Groundwater Elevations

The depth–to–groundwater measurements obtained during both groundwater sampling events on November 21, 2019 and January 20, 2020 were converted to groundwater elevations relative to a surveyed North American Vertical Datum (NAVD) 1988, in order to evaluate groundwater flow direction. Relative groundwater elevations are included in **Table 1**. The groundwater depths in the intermediate monitoring wells ranged between 7.35 and 8.35 feet bgs. Note that MW-2D is a deep zone well and is not used in groundwater elevation contours. Historic groundwater elevation data indicate that the range of seasonal water table fluctuation is typically one to two feet. Historic groundwater elevation measurements have indicated that the groundwater flow direction to be generally to the southwest. The groundwater flow direction onsite during the January 2020 sampling event is generally to the southwest, consistent with previous sampling events. A groundwater flow map for the January 20, 2020 field event is provided as **Exhibit 3**.

4.2 UIC Groundwater Analytical Results

Laboratory analytical results for the UIC parameters were compared with the Secondary Drinking Water Maximum Contaminant Levels (SMCL) Standards as specified in Rule 62-550, F.A.C. and GCTL as specified in Rule 62-777, F.A.C. The sample results were also compared the established concentrations from the November 21, 2019 background sampling event. This baseline event demonstrated that the concentrations of the site's naturally-occurring background values are above the applicable SMCL for iron and TDS in monitoring wells identified as MW-2I, MW-8I and MW-9I.

The established concentrations from the January 20, 2020 PARM sampling event demonstrated that the concentrations of the site's naturally-occurring values are still above the applicable SMCL for iron in monitoring wells identified as MW-2I, MW-8I and MW-9I. The iron levels increased from baseline in MW-2I, however decreased from baseline in the groundwater samples collected from MW-8I and MW-9I. TDS concentrations of the site's naturally-occurring values are still above the applicable SMCL in monitoring wells identified as MW-2I and MW-9I and were detected in MW-8I. Based on these results, Terracon recommends continuing sampling of iron and TDS in MW-2I, and TDS in MW-9I.

Aluminum concentrations in MW-2I increased above the applicable NADCs. The remaining tested constituents were below their applicable SMCL and/or GCTL. As a result, Terracon recommends

continuing sample for aluminum in MW-2I. Sampling for the remaining UIC parameters is no longer recommended since the results were below the applicable SMCL and/or GCTLs. A copy of the laboratory analytical report is contained in **Appendix C**. **Table 2** contains a summary of the analytical results.

4.3 Post Active Remediation Groundwater Analytical Results

Groundwater samples were collected from the onsite monitoring wells MW-1I, MW-2I, MW-2D, MW-5I, MW-8I and MW-9I during the January 20, 2020 sampling event. Groundwater samples from MW-2I showed reductions in halogenated VOCs that were above NADCs during historical groundwater monitoring, which included tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-Dichloroethene (cis-1,2-DCE), and vinyl chloride. The halogenated VOCs of concern have reduced to below their respective GCTLs, with the exception of cis-1,2-DCE and vinyl chloride, which are still above their applicable GCTLs.

The remaining tested constituents were below their applicable GCTLs. A copy of the chain-of-custody record and laboratory report is provided in **Appendix C**. An updated summary of the January 20, 2020 groundwater analytical data from this site is provided in **Table 3**.

5.0 EQUIPMENT DECONTAMINATION

Non-expendable groundwater sampling equipment was decontaminated at the beginning of the project and decontaminated between each well location. Equipment was hand-scrubbed in a Luminox™ and water solution and rinsed with de-ionized (DI) water.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

Groundwater analytical results for MW-2I showed reductions in halogenated VOCs to demonstrate a shrinking and/or stable plume to satisfy the intent for a Risk Management Option (RMO) III closure. Cis-1,2-DCE and vinyl chloride are the only two analytes with concentrations exceeding the GCTL in MW-2I. The temporary point of compliance well, MW-9I, continues to show no detections. Side gradient monitoring well MW-8I shows detections of halogenated VOCs that do not exceed applicable GCTLs.

The groundwater flow direction onsite during this January 2020 sampling event is generally to the southwest, consistent with previous sampling events.

The UIC parameters aluminum, iron and TDS increased from baseline in the groundwater sample collected from MW-2I, and the levels of TDS increased from baseline in the groundwater sample collected from MW-9I. These parameters should be continued to be

monitored in these wells. The remaining UIC parameters are recommended to no longer be monitored since the PARM results demonstrate no exceedance of either baseline, GCTLs, or SMCLs.

6.2 Recommendations

Terracon recommends continued groundwater sampling of the monitoring wells for the halogenated VOCs in accordance with the approved RAP. Additionally, the UIC parameters aluminum, iron and TDS should be monitored in MW-2I, and TDS should be monitored in MW-9I. No other UIC parameters are recommended in the next PARM event.

It is anticipated that the Ryan construction schedule will allow for another quarterly PARM event in April 2020, before select monitoring wells will require abandonment.

TABLES

TABLE 1: GROUNDWATER ELEVATION SUMMARY

Facility Name: **JEA Block 48**

All Measurements = Feet
No Data = Blank

WELL NO.	MW-1I			MW-2I			MW-3I			MW-4I			MW-5I			MW-6I			
DIAMETER	2"			2"			2"			2"			2"			2"			
WELL DEPTH	32'			32'			28'			29'			29'			30'			
SCREEN INTERVAL	22-32'			22-32'			18-28'			19-29'			19-29'			20-30'			
TOC ELEVATION*	10.77			11.14			12.73			14.41			11.09			13.64			
DATE	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**Comments**
9/28/2017	4.32	6.45		4.30	6.84		4.82	7.91		4.82	9.59		4.49	6.60		4.64	9.00		Data collected from 09/2017 - 09/2019 was conducted by CDM Smith
9/29/2017	4.32	6.48		4.31	6.83		4.74	7.99		4.82	9.57		4.45	6.64		4.69	8.95		
11/8/2017	3.95	6.79		3.95	7.19		4.44	8.29		4.48	9.93		4.11	6.98		4.34	9.30		
1/10/2019	3.76	6.84		3.76	7.38		4.23	8.50		NM	NM		NM	NM		5.68	7.96		
6/3/2019	3.27	7.38		3.27	7.90		3.58	9.15		3.62	10.79		3.36	7.73		3.48	10.16		
9/9/2019	4.04	6.81		3.94	7.20		4.29	8.44		5.36	9.05		4.10	6.99		4.17	9.47		
11/21/2019	2.67	8.10		2.61	8.53		2.92	9.81		2.86	11.55		2.79	8.30		NA	NM		Collected by Terracon
1/20/2020	2.42	8.35		3.61	7.53		4.78	7.95		NA	NM		3.74	7.35		NA	NM		

WELL NO.	MW-7I			MW-8I			MW-9I			1S			2S			3S			
DIAMETER	2"			2"			2"			2"			2"			2"			
WELL DEPTH	33'			27'			23'			16'			16'			13'			
SCREEN INTERVAL	23-33'			17-27'			25-30'			6-16'			6-16'			8-13'			
TOC ELEVATION*	15.10			11.71			10.57			10.85			11.41			12.84			
DATE	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**Comments**
9/28/2017	4.95	10.15		NI	NI		NI	NI		4.38	6.47		4.70	6.71		7.02	5.82		Data collected from 09/2017 - 09/2019 was conducted by CDM Smith
9/29/2017	4.95	10.15		NI	NI		NI	NI		4.37	6.48		4.58	6.83		6.93	5.91		
11/8/2017	4.64	10.46		4.01	7.70		NI	NI		4.06	6.79		4.25	7.16		6.20	6.64		
1/10/2019	4.42	10.68		3.83	7.88		3.91	6.66		4.01	6.84		4.06	7.35		6.09	6.75		
6/3/2019	3.68	11.42		3.27	8.44		3.49	7.08		3.47	7.38		3.51	7.90		5.27	7.57		
9/9/2019	8.17	6.93		3.95	7.76		4.22	6.35		4.04	6.81		4.17	7.24		5.54	7.30		
11/21/2019	4.00	11.10		3.66	8.05		2.85	7.72		NA	NM		NA	NM		NA	NM		Collected by Terracon
1/20/2020	NA	NM		3.76	7.95		2.67	7.90		NA	NM		NA	NM		NA	NM		

WELL NO.	4S			5S			6S			7S			8S			2D			
DIAMETER	2"			2"			2"			2"			2"			2"			
WELL DEPTH	15'			12'			15'			16'			15'			50'			
SCREEN INTERVAL	5-15'			7-12'			5-15'			6-16'			5-15'			45-50'			
TOC ELEVATION*	14.56			11.10			13.17			15.16			11.98			11.60			
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	**Comments**
9/28/2017	6.74	7.82		4.93	6.17		6.91	6.80		5.31	9.85		NI	NI		NI	NI		Data collected from 09/2017 - 09/2019 was conducted by CDM smith
9/29/2017	6.75	7.81		4.87	6.23		6.95	6.76		5.31	9.85		NI	NI		NI	NI		
11/8/2017	6.21	8.35		4.50	6.60		6.22	7.49		4.85	10.31		4.22	7.76		NI	NI		
1/10/2019	6.05	8.51		NM	NM		NM	NM		4.64	10.52		4.13	7.86		4.41	7.19		
6/3/2019	5.20	9.36		3.82	7.28		5.33	8.38		3.68	11.48		3.33	8.65		5.22	6.38		
9/9/2019	4.49	10.07		3.4	7.7		5.93	7.78		4.55	10.61		4.22	7.76		4.49	6.91		
11/21/2019	NA	NM		NA	NM		NA	NM		NA	NM		NA	NM		NA	NM		Collected by Terracon
1/20/2020	NA	NM		NA	NM		NA	NM		NA	NM		NA	NM		4.30	7.30		

** TOC Elevations obtained from the CDM Smith; Table 1 Groundwater Elevation Summary table provided in prior reports conducted for this site.*
NM - Not Measured
NI - Not Installed
NA - Not Applicable

TABLE 2
GROUNDWATER MONITORING
UIC Parameter ANALYTICAL SUMMARY

Facility Name: Block 48 - 337 West Adams Street, Jacksonville, Duval County, Florida
Project Number: EQ197066 Facility ID: COM_337709

Analysis		1,3-Propanediol	Aluminum	Apparent Color	Chloride	Ethylene glycol	Iron	Barium	Chromium	Lead	Selenium	LAS Molecular Weight, g/mol	MBAS, Calculated as LAS	Nitrogen, Ammonia	Propylene glycol	Sodium	Total Dissolved Solids	pH
GCTLs GW		NA	200	NA	250000	14000	300	2000	17	15	50	NA	NA	2800	140000	160000	500000	NA
NADCs GW		NA	2000	NA	2500000	140000	3000	20000	100	18	NA	NA	NA	NA	1400000	1600000	5000000	NA
Units		*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*
Sample ID	Date																	
MW-2I	11/21/2019	**90500**	**40.7 I**	**25**	**26500**	4920 U	**11700**	NS	NS	NS	NS	**320**	99 U	**230**	2790 U	**21600**	**702000**	**7.2**
	1/20/2020	**128000**	**3040**	**20**	**27400**	492 U	**92400**	**390**	**9.9**	**14.2**	**22.8**	**320**	200 U	**240**	279 U	**136000**	**1730000**	**5.9**
MW-8I	11/21/2019	**91000**	30.7 U	**35**	**13600**	4920 U	**9700**	NS	NS	NS	NS	**320**	99 U	**390**	2790 U	**23000**	**392000**	**7.8**
	1/20/2020	**71600**	30.7 U	**50**	**14400**	**1220 I**	**9450**	128	1.7 U	4.6 U	8.5 U	**320**	99 U	**510**	279 U	**22800**	**467000**	**6.4**
MW-9I	11/21/2019	**91800**	30.7 U	**45**	**25200**	4920 U	**28500**	NS	NS	NS	NS	**320**	99 U	**680**	2790 U	**32400**	**491000**	**7.4**
	1/20/2020	**71600**	30.7 U	**50**	**23400**	492 U	**23900**	159	1.7 U	4.6 U	**8.9 I**	**320**	99 U	**640**	279U	**34100**	**513000**	**6.3**

Notes:

NS= Not Sampled

NA= Not Available

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

Exceeds GCTL Limit

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

Exceeds NADC Limit

TABLE 3 -GROUNDWATER MONITORING
Volatile Organic Halocarbons ANALYTICAL SUMMARY
Facility Name: Block 48 - 337 West Adams Street, Jacksonville, Duval County, Florida
Project Number: EQ197066 Facility ID: COM_337709

Analysis		Volatile Organic Halocarbons					
		PCE	TCE	1,2-DCE (Total)	cis-1,2-Dicloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
GCTLs		3	3	63	70	63	1
NADCs		300	300	630	700	630	100
Units		*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*
Sample ID	Date						
MW-1S	9/28/2017	0.5 U	0.63 I	0.74 I	0.74 I	NA	0.5 U
	8/14/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
MW-1I	9/28/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/24/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	6/3/2019	0.38 U	0.36 U	0.27 U	0.27 U	NA	0.39 U
	9/11/2019	0.38 U	0.36 U	0.27 U	0.27 U	NA	0.39 U
	1/20/2020	0.38 U	0.36 U	NA	0.27 U	0.23 U	0.39 U
MW-2S	9/28/2017	**0.54 I**	**1.2**	**5.3**	**5.3**	NA	**0.67 I**
	11/8/2017	0.5 U	**1.6**	**5.6**	**5.6**	NA	**0.75 I**
	8/24/2018	0.5 U	0.5 U	**1.1**	**1.1**	NA	0.5 U
	6/3/2019	NS	NS	NS	NS	NA	NS
	9/11/2019	0.38 U	0.36 U	**1.3**	**1.3**	NA	0.39 U
MW-2I	9/28/2017	**14.3**	**10.5**	**37**	**37**	NA	**6.2**
	11/8/2017	**12.7**	**8**	**29.8**	**29.8**	NA	**5.9**
	8/24/2018	**25.9**	**56.3**	**193**	**192**	NA	**25.1**
	6/3/2019	**744**	**284**	**975**	**969**	NA	**215**
	6/14/2019	**773**	**281**	**825**	**820**	NA	**183**
	9/11/2019	**158**	**166**	**658**	**653**	NA	**112**
	1/20/2020	**3.1**	**5.1**	NA	**87.7**	**0.30 I**	**22.8**
MW-2D	9/6/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	6/3/2019	0.5 U	0.36 U	0.27 U	0.27 U	NA	0.39 U
	9/10/2019	0.38 U	0.36 U	0.27 U	0.27 U	NA	0.39 U
	1/20/2020	0.38 U	0.36 U	NA	0.27 U	0.23 U	0.39 U
MW-3S	9/28/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/14/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
MW-3I	9/28/2017	**5.4**	**0.98 I**	**4.8**	**4.8**	NA	**14.1**
	11/8/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	**0.51 I**
	12/14/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/13/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	6/3/2019	NS	NS	NS	NS	NS	NS
	9/10/2019	0.38 U	0.36 U	**0.38 I**	**0.38 I**	NA	0.39 U
MW-4S	9/29/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/13/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
MW-4I	9/29/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/13/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
MW-5S	9/28/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/13/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U

Notes:

NS= Not Sampled

NA= Not Available/Not Reported

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

Exceeds GCTL Limit

Exceeds NADC Limit

TABLE 3 - GROUNDWATER MONITORING cont.
Volatile Organic Halocarbons ANALYTICAL SUMMARY
Facility Name: Block 48 - 337 West Adams Street, Jacksonville, Duval County, Florida
Project Number: EQ197066 Facility ID: COM_337709

Analysis		Volatile Organic Halocarbons					
		PCE	TCE	1,2-DCE (Total)	cis-1,2-Dicloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
GCTLs		3	3	63	70	63	1
NADCs		300	300	630	7000	630	100
Units		*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*
Sample ID	Date						
MW-5I	9/28/2017	0.5 U	**0.98 I**	**1.9**	**1.9**	NA	0.5 U
	8/14/2018	0.5 U	0.5 U	**0.78 I**	0.5 U	NA	**0.78 I**
	6/3/2019	0.38 U	0.36 U	**0.99 I**	**0.99 I**	NA	0.39 U
	9/11/2019	0.38 U	0.36 U	**1.8**	**1.8**	NA	**0.44 I**
	1/20/2020	0.38 U	0.36 U	NA	**0.56 I**	0.23 U	0.39 U
MW-6S	9/29/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/13/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
MW-6I	9/29/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	11/8/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/14/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	6/3/2019	NS	NS	NS	NS	NS	NS
	9/10/2019	0.38 U	0.38 U	0.27 U	0.27 U	NA	0.39 U
MW-7S	9/29/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/13/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
MW-7I	9/29/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/13/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
MW-8S	11/16/2017	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	8/13/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
MW-8I	11/6/2017	**6.6**	**2.5**	**12.9**	**12.9**	NA	**29.3**
	12/14/2017	**0.72 I**	**0.77 I**	**4.3**	**4.3**	NA	**4.4**
	8/13/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	1/10/2019	0.38 U	0.36 U	**0.35 I**	**0.35 I**	NA	0.39 U
	6/3/2019	0.38 U	0.36 U	**0.65 I**	**0.65 I**	NA	0.39 U
	9/10/2019	**0.53 I**	0.36 U	**1.9**	**1.9**	NA	**0.55 I**
	1/20/2020	**0.47 I**	**0.50 I**	NA	**1.6 I**	0.23 U	**1**
MW-9I	9/6/2018	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
	6/3/2019	0.38 U	0.38 U	**0.30 I**	**0.30 I**	NA	0.39 U
	9/11/2019	0.50 U	0.50 U	0.50 U	0.50 U	NA	0.50 U
	1/20/2020	0.38 U	0.36 U	NA	0.27 U	0.23 U	0.39 U

Notes:

NS= Not Sampled

NA= Not Available/Not Reported

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

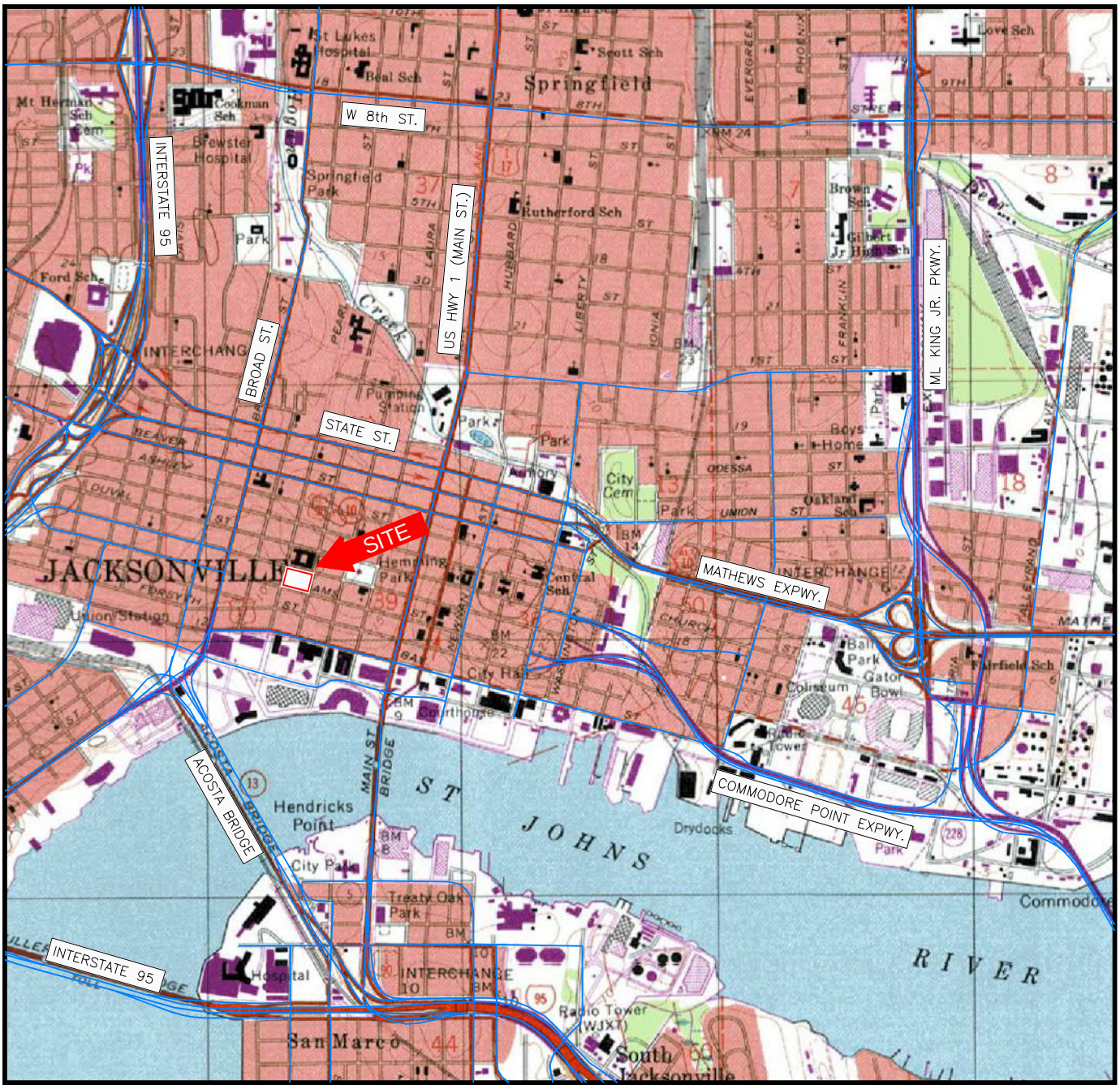
NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

Exceeds GCTL Limit

Exceeds NADC Limit

EXHIBITS

UNITED STATES – DEPARTMENT OF THE INTERIOR – GEOLOGICAL SURVEY



SCALE 1:24 000

1 .5 0 KILOMETERS 1 2

1000 0 1000 2000

MILES

1 .5 0 1

FEET

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 5 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

N

SECTION: 39
TOWNSHIP: 2 SOUTH
RANGE: 26 EAST

JACKSONVILLE, FLORIDA
ISSUED: 1994
7.5 MINUTE SERIES (QUADRANGLE)

N:\Projects–Other Offices\Jacksonville\2019\EQ197131\cad jan 2020\7131–usgs 1.dwg
Jan09, 2020–7:40am

Project Mngr:	KH
Drawn By:	SW
Checked By:	KH
Approved By:	KH

Project No.	EQ197131
Scale:	AS SHOWN
File No.	EQ197131-1
Date:	1-9-20

Terracon
Consulting Engineers and Scientists
9655 W. FLORIDA MINING BOULEVARD - SUITE 509
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TOPOGRAPHIC LOCATION MAP
PARM
BLOCK 48 FAC ID: COM_337709
337 WEST ADAMS STREET
JACKSONVILLE, DUVAL COUNTY, FLORIDA

EXHIBIT
1

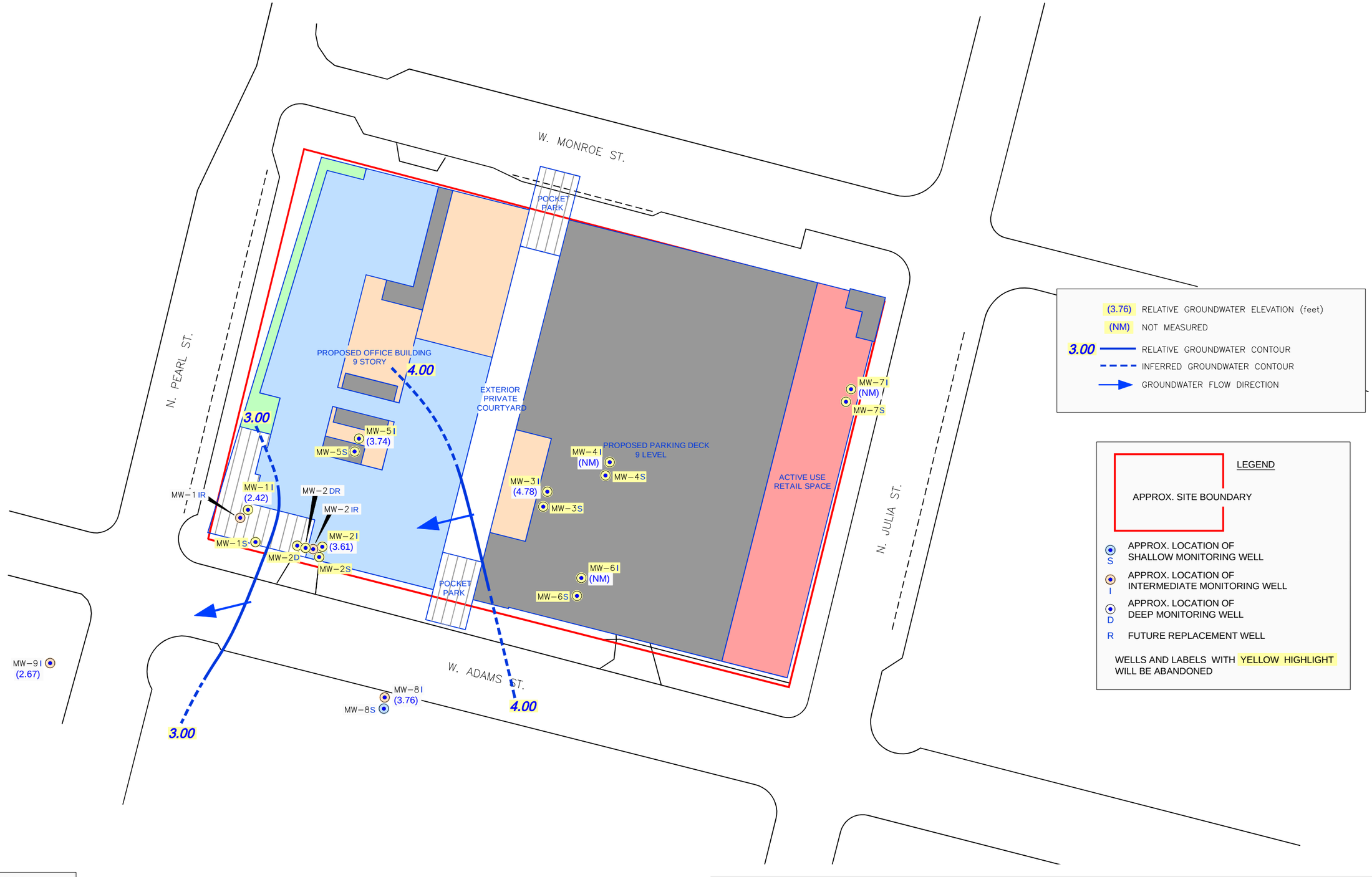
N:\Projects-Other Offices\Jacksonville\2019\EQ197066\cad\7066-site diagram 2.dwg
Feb27, 2020-9:40am

Project Mngr:	AK
Drawn By:	SW
Checked By:	AK
Approved By:	KH
Project No.	EQ197066
Scale:	AS SHOWN
File No.	EQ197066-2
Date:	2-27-20

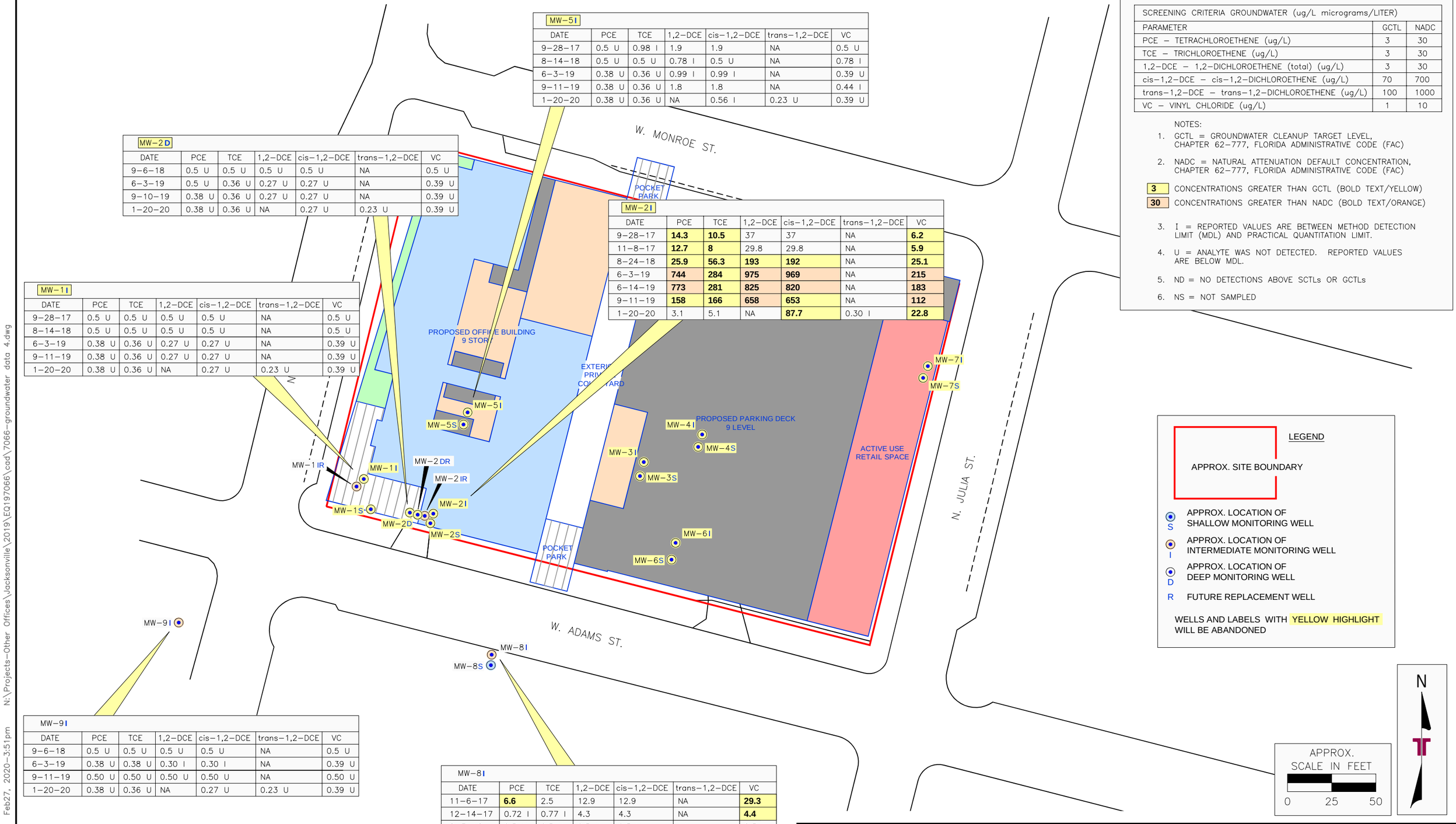
Terracon
Consulting Engineers and Scientists
9655 W. FLORIDA MINING BOULEVARD - SUITE 509
JACKSONVILLE, FLORIDA 32257
PH. (904) 296-0331 FAX. (904) 268-5255

SITE DIAGRAM
PARM
BLOCK 48 FAC ID: COM_337709
337 WEST ADAMS STREET
JACKSONVILLE, DUVAL COUNTY, FLORIDA

EXHIBIT
2



Project Mngr: AK	Project No. EQ197066	Terracon Consulting Engineers and Scientists 9655 W. FLORIDA MINING BOULEVARD - SUITE 509 JACKSONVILLE, FLORIDA 32257 PH. (904) 296-0331 FAX. (904) 268-5255	INTERMEDIATE GROUNDWATER FLOW - 1-20-2020 PARM BLOCK 48 FAC ID: COM_337709 337 WEST ADAMS STREET JACKSONVILLE, DUVAL COUNTY, FLORIDA
Drawn By: SW	Scale: AS SHOWN		EXHIBIT 3
Checked By: AK	File No. EQ197066-3		
Approved By: KH	Date: 2-27-20		



MW-5I

DATE	PCE	TCE	1,2-DCE	cis-1,2-DCE	trans-1,2-DCE	VC
9-28-17	0.5 U	0.98 I	1.9	1.9	NA	0.5 U
8-14-18	0.5 U	0.5 U	0.78 I	0.5 U	NA	0.78 I
6-3-19	0.38 U	0.36 U	0.99 I	0.99 I	NA	0.39 U
9-11-19	0.38 U	0.36 U	1.8	1.8	NA	0.44 I
1-20-20	0.38 U	0.36 U	NA	0.56 I	0.23 U	0.39 U

MW-2D

DATE	PCE	TCE	1,2-DCE	cis-1,2-DCE	trans-1,2-DCE	VC
9-6-18	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
6-3-19	0.5 U	0.36 U	0.27 U	0.27 U	NA	0.39 U
9-10-19	0.38 U	0.36 U	0.27 U	0.27 U	NA	0.39 U
1-20-20	0.38 U	0.36 U	NA	0.27 U	0.23 U	0.39 U

MW-2I

DATE	PCE	TCE	1,2-DCE	cis-1,2-DCE	trans-1,2-DCE	VC
9-28-17	**14.3**	**10.5**	37	37	NA	**6.2**
11-8-17	**12.7**	**8**	29.8	29.8	NA	**5.9**
8-24-18	**25.9**	**56.3**	**193**	**192**	NA	**25.1**
6-3-19	**744**	**284**	**975**	**969**	NA	**215**
6-14-19	**773**	**281**	**825**	**820**	NA	**183**
9-11-19	**158**	**166**	**658**	**653**	NA	**112**
1-20-20	3.1	5.1	NA	**87.7**	0.30 I	**22.8**

MW-1I

DATE	PCE	TCE	1,2-DCE	cis-1,2-DCE	trans-1,2-DCE	VC
9-28-17	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
8-14-18	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
6-3-19	0.38 U	0.36 U	0.27 U	0.27 U	NA	0.39 U
9-11-19	0.38 U	0.36 U	0.27 U	0.27 U	NA	0.39 U
1-20-20	0.38 U	0.36 U	NA	0.27 U	0.23 U	0.39 U

MW-9I

DATE	PCE	TCE	1,2-DCE	cis-1,2-DCE	trans-1,2-DCE	VC
9-6-18	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
6-3-19	0.38 U	0.38 U	0.30 I	0.30 I	NA	0.39 U
9-11-19	0.50 U	0.50 U	0.50 U	0.50 U	NA	0.50 U
1-20-20	0.38 U	0.36 U	NA	0.27 U	0.23 U	0.39 U

MW-8I

DATE	PCE	TCE	1,2-DCE	cis-1,2-DCE	trans-1,2-DCE	VC
11-6-17	**6.6**	2.5	12.9	12.9	NA	**29.3**
12-14-17	0.72 I	0.77 I	4.3	4.3	NA	**4.4**
8-3-18	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
1-10-19	0.38 U	0.36 U	0.35 I	0.35 I	NA	0.39 U
6-3-19	0.38 U	0.36 U	0.65 I	0.65 I	NA	0.39 U
9-10-19	0.53 I	0.36 U	1.9	1.9	NA	0.55 I
1-20-20	0.47 I	0.50 I	NA	1.6 I	0.23 U	1

SCREENING CRITERIA GROUNDWATER (ug/L micrograms/LITER)		
PARAMETER	GCTL	NADC
PCE – TETRACHLOROETHENE (ug/L)	3	30
TCE – TRICHLOROETHENE (ug/L)	3	30
1,2-DCE – 1,2-DICHLOROETHENE (total) (ug/L)	3	30
cis-1,2-DCE – cis-1,2-DICHLOROETHENE (ug/L)	70	700
trans-1,2-DCE – trans-1,2-DICHLOROETHENE (ug/L)	100	1000
VC – VINYL CHLORIDE (ug/L)	1	10

NOTES:

1. GCTL = GROUNDWATER CLEANUP TARGET LEVEL, CHAPTER 62-777, FLORIDA ADMINISTRATIVE CODE (FAC)
2. NADC = NATURAL ATTENUATION DEFAULT CONCENTRATION, CHAPTER 62-777, FLORIDA ADMINISTRATIVE CODE (FAC)

3 CONCENTRATIONS GREATER THAN GCTL (BOLD TEXT/YELLOW)
30 CONCENTRATIONS GREATER THAN NADC (BOLD TEXT/ORANGE)

3. I = REPORTED VALUES ARE BETWEEN METHOD DETECTION LIMIT (MDL) AND PRACTICAL QUANTITATION LIMIT.
4. U = ANALYTE WAS NOT DETECTED. REPORTED VALUES ARE BELOW MDL.
5. ND = NO DETECTIONS ABOVE SCTLs OR GCTLs
6. NS = NOT SAMPLED

LEGEND

APPROX. SITE BOUNDARY

S APPROX. LOCATION OF SHALLOW MONITORING WELL

I APPROX. LOCATION OF INTERMEDIATE MONITORING WELL

D APPROX. LOCATION OF DEEP MONITORING WELL

R FUTURE REPLACEMENT WELL

WELLS AND LABELS WITH YELLOW HIGHLIGHT WILL BE ABANDONED

APPROX. SCALE IN FEET
0 25 50

N

Project Mngr: AK	Project No. EQ197066	Terracon Consulting Engineers and Scientists 9655 W. FLORIDA MINING BOULEVARD - SUITE 509 JACKSONVILLE, FLORIDA 32257 PH. (904) 296-0331 FAX. (904) 268-5255	INTERMEDIATE GROUNDWATER ANALYTICAL RESULTS PARM BLOCK 48 FAC ID: COM_337709 337 WEST ADAMS STREET JACKSONVILLE, DUVAL COUNTY, FLORIDA
Drawn By: SW	Scale: AS SHOWN		
Checked By: AK	File No. EQ197066-4		EXHIBIT 4
Approved By: KH	Date: 2-27-20		

Feb27, 2020-3:51pm N:\Projects-Other Offices\Jacksonville\2019\EQ197066\cad\7066-groundwater data 4.dwg

Appendix C

BORING LOG

Boring/Well Number: TMW-1	Permit Number: NA	FDEP Facility Identification Number: NA
Site Name: JEA Chilled Water Mains	Borehole Start Date: 05/25/20 End Date: 05/25/20	Borehole Start Time: 9:23 ☑ AM ☐ PM End Time: 9:40 ☑ AM ☐ PM
Environmental Contractor: Meskel & Associates Engineering PLLC	Geologist's Name: Scott Davidson, P.G.	Field Engineer's Name: Gabriel Pastrana, P.E.
Drilling Company: Transamerican Drilling & Testing	Pavement Thickness (inches): 3" Asphalt	Borehole Diameter (inches): 1.25 / Borehole Depth (feet): 15
Drilling Method(s): Hand Auger/Direct Push	Apparent Borehole DTW (in feet from soil moisture content): 6	Measured Well DTW (in feet after water recharges in well): 7 / OVA (list model and check type): None ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☑ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA							1	0-12' FINE SAND, medium to light brown, no odors or staining	SP	D	
							2		SP	D	
							3		SP	D	
							4		SP	D	
							5		SP	D	
DP	48"						6	Groundwater at 6 feet bls	SP	M	
							7		SP	W	
							8		SP	S	
							9		SP	S	
							10		SP	S	
DP	60"						11		SP	S	
							12		SP	S	

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	05/25/20
TMW-1	NA	JEA Chilled Water Mains	End Date:	05/25/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP							13	12'-13' FINE SAND;light brown; no odors or staining	SP	S	
							14	13'-15' CLAYEY SAND; light grey, no odors or staining	SC	S	
							15		SC	S	
							16	End boring at 15 feet bgs			
							17				
							18				
							2				
							20				
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: TMW-1	Permit Number: NA	FDEP Facility Identification Number: NA
Site Name: JEA Chilled Water Mains	Borehole Start Date: 05/25/20 End Date: 05/25/20	Borehole Start Time: 11:00 ☑ AM ☐ PM End Time: 11:35 ☑ AM ☐ PM
Environmental Contractor: Meskel & Associates Engineering PLLC	Geologist's Name: Scott Davidson, P.G.	Field Engineer's Name: Gabriel Pastrana, P.E.
Drilling Company: Transamerican Drilling & Testing	Pavement Thickness (inches): None	Borehole Diameter (inches): 1.25
Borehole Depth (feet): 20		
Drilling Method(s): Hand Auger/Direct Push	Apparent Borehole DTW (in feet from soil moisture content): 12	Measured Well DTW (in feet after water recharges in well): 12
OVA (list model and check type): None ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☑ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA							1	0-8' FINE SAND, medium to light brown, no odors or staining	SP	D	
							2		SP	D	
							3		SP	D	
							4		SP	D	
							5		SP	D	
DP	48"						6		SP	D	
							7		SP	D	
							8		SP	D	
							9	8'-12' SANDY CLAY; orange brown, no odors or staining	SC	D	
							10		SC	D	
DP	48"						11		SC	D	
							12	Groundwater at 12 feet bls	SC	M	

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	05/25/20
TMW-2	NA	JEA Chilled Water Mains	End Date:	05/25/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP							13	12'-15' SANDY CLAY; orange brown, no odors or staining	SC	S	
							14		SC	S	
							15		SC	S	
DP	60"						16	15'-20' FINE SAND; light grey, no odors or staining	SP	S	
							17		SP	S	
							18		SP	S	
							19		SP	S	
							20		SP	S	
							21	End boring at 20 feet bls			
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
TMW-1	JEA Chilled Water Mains	NA	5-25-2020

Well Location and Type (check appropriate boxes):
☐ On-Site ■ Right-of-Way
☐ Off-Site Private Property
☐ Above Grade (AG) ■ Flush-to-Grade
If AG, list feet of riser above land surface:

Well Purpose:
☐ Perched Monitoring
■ Shallow (Water-Table) Monitoring
☐ Intermediate or Deep Monitoring
☐ Remediation or Other (describe)

Well Install Method: Direct Push

Surface Casing Install Method: PVC

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size: None
15	15	3	8	2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
1.5" PVC	☑ Flush-Threaded ☐ Other (describe)	5 feet from 0 feet to 5 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
1.5" PVC	0.010"	10 feet from 5 feet to 15 feet

1st Surface Casing Material: also check: ☐ Permanent ☐ Temporary	1st Surface Casing I.D. (inches):	1st Surface Casing Length: feet from 0 feet to feet
2nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary	2nd Surface Casing I.D. (inches):	2nd Surface Casing Length: feet from 0 feet to feet
3rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary	3rd Surface Casing I.D. (inches):	3rd Surface Casing Length: feet from 0 feet to feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
20/30 Sand	☑ Yes ☐ No	10 feet from 5 feet to 15 feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/60 Fine Sand	2 feet from 3 feet to 5 feet

Surface Seal Material:	Surface Seal Length:
Neat Cement	2 feet from 0 feet to 2 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
05/25/20	☐ Surge/Pump ☑ Pump ☐ Compressed Air ☐ Other (describe)

Development Pump Type (check):	Depth to Groundwater (before developing in feet):
☐ Centrifugal ■ Peristaltic ☐ Submersible ☐ Other (describe)	6

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
0.45	NA	☐ Yes ☑ No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
☑ Continuous ☐ Intermittent	18	40	☐ Yes ☑ No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
Brown cloudy	Clear

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Temporary monitoring well TMW-1 installed on the east right-of-way of North Pearl Street approxiately 60 feet south of the intersection of West Monroe Street and North Pearl Street.

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
TMW-2	JEA Chilled Water Mains	NA	5/25/2020

Well Location and Type (check appropriate boxes):
- ☐ On-Site ■ Right-of-Way
- ☐ Off-Site Private Property
- ☐ Above Grade (AG) ■ Flush-to-Grade

If AG, list feet of riser above land surface:

Well Purpose:
- ☐ Perched Monitoring
- ■ Shallow (Water-Table) Monitoring
- ☐ Intermediate or Deep Monitoring
- ☐ Remediation or Other (describe)

Well Install Method: Direct Push

Surface Casing Install Method: PVC

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size: None
20	20	3	8	2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
1.5" PVC	☑ Flush-Threaded ☐ Other (describe)	10 feet from 0 feet to 10 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
1.5" PVC	0.010"	10 feet from 10 feet to 20 feet

1st Surface Casing Material: also check: ☐ Permanent ☐ Temporary	1st Surface Casing I.D. (inches):	1st Surface Casing Length: feet from 0 feet to feet
2nd Surface Casing Material: also check: ☐ Permanent ☐ Temporary	2nd Surface Casing I.D. (inches):	2nd Surface Casing Length: feet from 0 feet to feet
3rd Surface Casing Material: also check: ☐ Permanent ☐ Temporary	3rd Surface Casing I.D. (inches):	3rd Surface Casing Length: feet from 0 feet to feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
20/30 Sand	☑ Yes ☐ No	10 feet from 10 feet to 20 feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/60 Fine Sand	2 feet from 8 feet to 10 feet

Surface Seal Material:	Surface Seal Length:
Neat Cement	2 feet from 0 feet to 2 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
05/25/20	☐ Surge/Pump ☑ Pump ☐ Compressed Air ☐ Other (describe)

Development Pump Type (check):	Depth to Groundwater (before developing in feet):
☐ Centrifugal ■ Peristaltic ☐ Submersible ☐ Other (describe)	12

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
0.5	NA	☐ Yes ☑ No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
☐ Continuous ☑ Intermittent	15	30	☐ Yes ☑ No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
Brown cloudy	Clear

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Temporary monitoring well TMW-2 installed on the east right-of-way of North Julia Street approximately 100 feet north of the intersection of North Julia Street and West Adams Street.

Appendix D

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: JEA Chilled Water Mains	SITE LOCATION: 337 West Adams Street,Jacksonville, FL	
WELL NO: TMW-1	SAMPLE ID: TMW-1	DATE: 5/29/2020

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 4.84 feet to 14.84 feet	STATIC DEPTH TO WATER (feet): 7.33	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.84 feet – 7.33 feet) X 0.10 gallons/foot = 0.75 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.33	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.33	PURGING INITIATED AT: 11:21	PURGING ENDED AT: 11:35	TOTAL VOLUME PURGED (gallons): 1.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:29	0.80	0.80	0.10	7.93	7.32	26.78	1357	0.46	9.49	CLEAR	NONE
11:32	0.30	1.20	0.10	7.93	7.33	26.79	1370	0.45	18.3	CLEAR	NONE
11:35	0.30	1.50	0.10	7.93	7.33	26.79	1373	0.43	7.40	CLEAR	NONE

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: G. Pastrana/ Meskel Assoc Eng	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1135	SAMPLING ENDED AT: 1145
PUMP OR TUBING DEPTH IN WELL (feet): 9.33	TUBING MATERIAL CODE: PE/S	FIELD-FILTERED: [Y] N Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y [N]	TUBING Y [N] (replaced)	DUPLICATE: Y [N]	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCl	-	<2	EPA 8260	RFPP	<90
	1	AG	250 mL	None	-	-	EPA 8270	APP	<90
	2	AG	100 mL	H2SO4		<2	FL-PRO	APP	<90
	2	PE	250 mL	HNO3	-	<2	RCRA 8 Metals	APP	<90
					-				

REMARKS: FILTERED TURBIDITY = 2.01 NTU K.PURANI SECOND SAMPLER (MAE)

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: JEA Chilled Water Mains	SITE LOCATION: 337 West Adams Street,Jacksonville, FL	
WELL NO: TMW- 2	SAMPLE ID: TMW- 2	DATE: 5/29/2020

PURGING DATA

WELL DIAMETER (inches): 1.5"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 9.78 feet to 19.78 feet	STATIC DEPTH TO WATER (feet): 11.69	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19.78 feet – 11.69 feet) X 0.04 gallons/foot = 0.81 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.69	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.69	PURGING INITIATED AT: 1207	PURGING ENDED AT: 1228	TOTAL VOLUME PURGED (gallons): 2.10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1216	0.90	0.90	0.10	14.41	7.10	23.86	627	1.49	23.6	SLIGHT CLOUDY	NONE
1219	0.30	1.20	0.10	14.41	7.13	23.93	622	2.04	15.3	CLEAR	NONE
1222	0.30	1.50	0.10	14.41	7.10	23.97	594	2.69	10.6	CLEAR	NONE
1225	0.30	1.80	0.10	14.41	7.03	23.97	580	2.93	6.10	CLEAR	NONE
1228	0.30	2.10	0.10	14.41	7.03	24.11	578	2.90	4.10	CLEAR	NONE

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: G. Pastrana/ Meskel Assoc Eng	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1228	SAMPLING ENDED AT: 1238
PUMP OR TUBING DEPTH IN WELL (feet): 15.69	TUBING MATERIAL CODE: PE/S	FIELD-FILTERED: [Y] N Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y [N]	TUBING Y [N] (replaced)	DUPLICATE: Y [N]	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	3	CG	40 mL	HCl	-	<2	EPA 8260	RFPP	<90
	1	AG	250 mL	None	-	-	EPA 8270	APP	<90
	2	AG	100 mL	H2SO4		<2	FL-PRO	APP	<90
	2	PE	250 mL	HNO3	-	<2	RCRA 8 Metals	APP	<90
					-				

REMARKS: FILTERED TURBIDITY: 0.92 NTU K. PURAM (MAE) SECOND SAMPLER

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Certificate of Calibration
Multi-Parameter Water Quality

Equipment Type:	YSI 556				
Date	5/28/2020				
Serial #	06A2173AD		***NOTES:***		
Calibration Standard # 1	pH 4.01				
Calibration Standard # 2	pH 7.00				
Calibration Standard # 3	1000mS Conductivity				
Calibration Standard # 4	100% D.O Saturation				
Calibration Standard # 5	Zobell ORP Solution				
Calibration Standard # 6					
Calibration Standard # 7					
Calibration Standard # 8					
Calibration Standard # 9					
Lot # (s)	pH 4.01	pH 7.00	1,000 uS	ORP	
	9B170	9B168	9C195	06G1940ah	
Expiration Date(s)	3/21	1/21	6/21	Dec-24	
Ambient Temperature	25°C (77°F)				
Instrument Reading; Calibrated	pH 4.00	pH 7.01	ORP=224.0	Cond. 1000uS	
		8.56 mg/L D.O.			
Calibrated By:	Chuck Henderson	***Signature:***		Chuck Henderson	

Peterson Environmental, Inc.
1704 W. Grace Street
Tampa, FL 33607
Phone: 813-871-2626| Fax 813-871-1366

Certificate of Calibration
Turbidity Meters

Equipment Type:	Hach 2100Q				
Date	5/28/2020		***NOTES:***		
Serial #	13110C029443				
Calibration Standard # 1	10NTU				
Calibration Standard # 2	20NTU				
Calibration Standard # 3	100NTU				
Calibration Standard # 4	800NTU				
Lot # (s)	A9298	A9298	A9298	A9298	
Expiration Date(s)	21-Jan	21-Jan	21-Jan	21-Jan	
Ambient Temperature	24°C (75.2°F)				
Instrument Reading: Calibrated	10NTU	20. NTU	100NTU	800NTU	
Calibrated By:	Chuck Henderson		***Signature:***	Chuck Henderson	

Peterson Environmental, Inc.
1704 W. Grace Street
Tampa, FL 33607
Phone: 813-871-2626| Fax 813-871-1366

Appendix E

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

June 05, 2020

Mr. Scott A. Davidson, P.G.
Meskel & Associates Engineering, Inc.
3728 Philips Highway
Suite 208
Jacksonville, FL 32207

RE: Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Dear Mr. Davidson, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on May 29, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. Gabriel S. Pastrana, P.E., Pastrana Engineering & Environment, LLC

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35553197001	**TMW-1**	Water	05/29/20 11:35	05/29/20 13:40
35553197002	**TMW-2**	Water	05/29/20 12:28	05/29/20 13:40

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35553197001	**TMW-1**	FL-PRO	RJR	3	PASI-O
		EPA 6020	SLG	7	PASI-O
		EPA 6020	LEC	7	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8270 by SIM	MMG	20	PASI-O
		EPA 8260	SK1	57	PASI-O
35553197002	**TMW-2**	FL-PRO	RJR	3	PASI-O
		EPA 6020	SLG	7	PASI-O
		EPA 6020	LEC	7	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8270 by SIM	MMG	20	PASI-O
		EPA 8260	SK1	57	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Sample: TMW-1 **Lab ID: 35553197001** Collected: 05/29/20 11:35 Received: 05/29/20 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**0.75 U**	mg/L	0.94	0.75	1	06/02/20 12:25	06/02/20 19:31		
Surrogates									
o-Terphenyl (S)	73	%	66-139		1	06/02/20 12:25	06/02/20 19:31	84-15-1	
N-Pentatriacontane (S)	85	%	42-159		1	06/02/20 12:25	06/02/20 19:31	630-07-09	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**2.3**	ug/L	1.0	0.50	1	06/01/20 07:11	06/01/20 14:33	7440-38-2	
Barium	**67.7**	ug/L	1.0	0.50	1	06/01/20 07:11	06/01/20 14:33	7440-39-3	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	06/01/20 07:11	06/01/20 14:33	7440-43-9	
Chromium	**0.50 U**	ug/L	1.0	0.50	1	06/01/20 07:11	06/01/20 14:33	7440-47-3	
Lead	**0.22 I**	ug/L	1.0	0.22	1	06/01/20 07:11	06/01/20 14:33	7439-92-1	
Selenium	**1.2 U**	ug/L	2.0	1.2	1	06/01/20 07:11	06/01/20 14:33	7782-49-2	
Silver	**0.21 U**	ug/L	0.50	0.21	1	06/01/20 07:11	06/01/20 14:33	7440-22-4	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic, Dissolved	**2.2**	ug/L	1.0	0.50	1	06/03/20 10:38	06/04/20 10:41	7440-38-2	
Barium, Dissolved	**64.7**	ug/L	1.0	0.50	1	06/03/20 10:38	06/04/20 10:41	7440-39-3	
Cadmium, Dissolved	**0.050 U**	ug/L	0.10	0.050	1	06/03/20 10:38	06/04/20 10:41	7440-43-9	
Chromium, Dissolved	**0.50 U**	ug/L	1.0	0.50	1	06/03/20 10:38	06/04/20 10:41	7440-47-3	
Lead, Dissolved	**0.22 U**	ug/L	1.0	0.22	1	06/03/20 10:38	06/04/20 10:41	7439-92-1	
Selenium, Dissolved	**1.2 U**	ug/L	2.0	1.2	1	06/03/20 10:38	06/04/20 10:41	7782-49-2	
Silver, Dissolved	**0.21 U**	ug/L	0.50	0.21	1	06/03/20 10:38	06/04/20 10:41	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	06/01/20 08:02	06/02/20 11:03	7439-97-6	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury, Dissolved	**0.090 U**	ug/L	0.20	0.090	1	06/01/20 09:44	06/02/20 11:55	7439-97-6	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.040 U**	ug/L	0.50	0.040	1	06/02/20 12:51	06/03/20 13:20	83-32-9	
Acenaphthylene	**0.030 U**	ug/L	0.50	0.030	1	06/02/20 12:51	06/03/20 13:20	208-96-8	
Anthracene	**0.043 U**	ug/L	0.50	0.043	1	06/02/20 12:51	06/03/20 13:20	120-12-7	
Benzo(a)anthracene	**0.055 U**	ug/L	0.10	0.055	1	06/02/20 12:51	06/03/20 13:20	56-55-3	
Benzo(a)pyrene	**0.12 U**	ug/L	0.20	0.12	1	06/02/20 12:51	06/03/20 13:20	50-32-8	
Benzo(b)fluoranthene	**0.027 U**	ug/L	0.10	0.027	1	06/02/20 12:51	06/03/20 13:20	205-99-2	
Benzo(g,h,i)perylene	**0.15 U**	ug/L	0.50	0.15	1	06/02/20 12:51	06/03/20 13:20	191-24-2	
Benzo(k)fluoranthene	**0.16 U**	ug/L	0.50	0.16	1	06/02/20 12:51	06/03/20 13:20	207-08-9	
Chrysene	**0.026 U**	ug/L	0.50	0.026	1	06/02/20 12:51	06/03/20 13:20	218-01-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Sample: TMW-1 **Lab ID: 35553197001** Collected: 05/29/20 11:35 Received: 05/29/20 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Dibenz(a,h)anthracene	**0.13 U**	ug/L	0.15	0.13	1	06/02/20 12:51	06/03/20 13:20	53-70-3	
Fluoranthene	**0.018 U**	ug/L	0.50	0.018	1	06/02/20 12:51	06/03/20 13:20	206-44-0	
Fluorene	**0.088 U**	ug/L	0.50	0.088	1	06/02/20 12:51	06/03/20 13:20	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.12 U**	ug/L	0.15	0.12	1	06/02/20 12:51	06/03/20 13:20	193-39-5	
1-Methylnaphthalene	**0.19 U**	ug/L	2.0	0.19	1	06/02/20 12:51	06/03/20 13:20	90-12-0	
2-Methylnaphthalene	**0.68 U**	ug/L	2.0	0.68	1	06/02/20 12:51	06/03/20 13:20	91-57-6	
Naphthalene	**0.29 U**	ug/L	2.0	0.29	1	06/02/20 12:51	06/03/20 13:20	91-20-3	
Phenanthrene	**0.16 U**	ug/L	0.50	0.16	1	06/02/20 12:51	06/03/20 13:20	85-01-8	
Pyrene	**0.032 U**	ug/L	0.50	0.032	1	06/02/20 12:51	06/03/20 13:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	38-92		1	06/02/20 12:51	06/03/20 13:20	321-60-8	
p-Terphenyl-d14 (S)	94	%	54-112		1	06/02/20 12:51	06/03/20 13:20	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	20.0	5.3	1		06/02/20 02:00	67-64-1	
Acetonitrile	**24.5 U**	ug/L	40.0	24.5	1		06/02/20 02:00	75-05-8	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:00	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		06/02/20 02:00	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	0.60	0.19	1		06/02/20 02:00	75-27-4	
Bromoform	**2.6 U**	ug/L	3.0	2.6	1		06/02/20 02:00	75-25-2	J(v2)
Bromomethane	**4.0 U**	ug/L	5.0	4.0	1		06/02/20 02:00	74-83-9	J(v2)
2-Butanone (MEK)	**7.5 U**	ug/L	10.0	7.5	1		06/02/20 02:00	78-93-3	
Carbon disulfide	**0.45 U**	ug/L	10.0	0.45	1		06/02/20 02:00	75-15-0	
Carbon tetrachloride	**1.1 U**	ug/L	3.0	1.1	1		06/02/20 02:00	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		06/02/20 02:00	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		06/02/20 02:00	75-00-3	J(v1)
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		06/02/20 02:00	67-66-3	
Chloromethane	**0.97 U**	ug/L	1.0	0.97	1		06/02/20 02:00	74-87-3	J(v2)
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		06/02/20 02:00	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		06/02/20 02:00	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		06/02/20 02:00	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		06/02/20 02:00	74-95-3	
1,2-Dichlorobenzene	**0.29 U**	ug/L	1.0	0.29	1		06/02/20 02:00	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		06/02/20 02:00	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		06/02/20 02:00	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		06/02/20 02:00	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		06/02/20 02:00	107-06-2	
1,2-Dichloroethene (Total)	**0.27 U**	ug/L	1.0	0.27	1		06/02/20 02:00	540-59-0	N2
1,1-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		06/02/20 02:00	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		06/02/20 02:00	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		06/02/20 02:00	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		06/02/20 02:00	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	0.50	0.17	1		06/02/20 02:00	10061-01-5	
trans-1,3-Dichloropropene	**0.17 U**	ug/L	0.50	0.17	1		06/02/20 02:00	10061-02-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Sample: TMW-1 **Lab ID: 35553197001** Collected: 05/29/20 11:35 Received: 05/29/20 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:00	100-41-4	
2-Hexanone	**0.85 U**	ug/L	10.0	0.85	1		06/02/20 02:00	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		06/02/20 02:00	74-88-4	
Isopropylbenzene (Cumene)	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:00	98-82-8	
Methylene Chloride	**2.0 U**	ug/L	5.0	2.0	1		06/02/20 02:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	**0.32 U**	ug/L	10.0	0.32	1		06/02/20 02:00	108-10-1	
Methyl-tert-butyl ether	**0.51 U**	ug/L	2.0	0.51	1		06/02/20 02:00	1634-04-4	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		06/02/20 02:00	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		06/02/20 02:00	630-20-6	
1,1,2,2-Tetrachloroethane	**0.20 U**	ug/L	0.50	0.20	1		06/02/20 02:00	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		06/02/20 02:00	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/02/20 02:00	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:00	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:00	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		06/02/20 02:00	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		06/02/20 02:00	75-69-4	
1,2,3-Trichloropropane	**1.1 U**	ug/L	2.0	1.1	1		06/02/20 02:00	96-18-4	
1,2,4-Trimethylbenzene	**0.24 U**	ug/L	1.0	0.24	1		06/02/20 02:00	95-63-6	
1,3,5-Trimethylbenzene	**0.24 U**	ug/L	1.0	0.24	1		06/02/20 02:00	108-67-8	
Vinyl acetate	**0.19 U**	ug/L	10.0	0.19	1		06/02/20 02:00	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		06/02/20 02:00	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/02/20 02:00	1330-20-7	
m&p-Xylene	**2.1 U**	ug/L	4.0	2.1	1		06/02/20 02:00	179601-23-1	
o-Xylene	**0.27 U**	ug/L	1.0	0.27	1		06/02/20 02:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/02/20 02:00	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		06/02/20 02:00	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/02/20 02:00	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Sample: TMW-2 **Lab ID: 35553197002** Collected: 05/29/20 12:28 Received: 05/29/20 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water, Low Volume	Analytical Method: FL-PRO Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Petroleum Range Organics	**0.75 U**	mg/L	0.93	0.75	1	06/02/20 12:25	06/02/20 19:45		
Surrogates									
o-Terphenyl (S)	77	%	66-139		1	06/02/20 12:25	06/02/20 19:45	84-15-1	
N-Pentatriacontane (S)	79	%	42-159		1	06/02/20 12:25	06/02/20 19:45	630-07-09	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	06/01/20 07:11	06/01/20 14:35	7440-38-2	
Barium	**54.9**	ug/L	1.0	0.50	1	06/01/20 07:11	06/01/20 14:35	7440-39-3	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	06/01/20 07:11	06/01/20 14:35	7440-43-9	
Chromium	**0.50 U**	ug/L	1.0	0.50	1	06/01/20 07:11	06/01/20 14:35	7440-47-3	
Lead	**0.22 U**	ug/L	1.0	0.22	1	06/01/20 07:11	06/01/20 14:35	7439-92-1	
Selenium	**1.2 U**	ug/L	2.0	1.2	1	06/01/20 07:11	06/01/20 14:35	7782-49-2	
Silver	**0.21 U**	ug/L	0.50	0.21	1	06/01/20 07:11	06/01/20 14:35	7440-22-4	
6020 MET ICPMS, Dissolved	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Arsenic, Dissolved	**0.50 U**	ug/L	1.0	0.50	1	06/03/20 10:38	06/04/20 10:44	7440-38-2	
Barium, Dissolved	**54.3**	ug/L	1.0	0.50	1	06/03/20 10:38	06/04/20 10:44	7440-39-3	
Cadmium, Dissolved	**0.050 U**	ug/L	0.10	0.050	1	06/03/20 10:38	06/04/20 10:44	7440-43-9	
Chromium, Dissolved	**0.50 U**	ug/L	1.0	0.50	1	06/03/20 10:38	06/04/20 10:44	7440-47-3	
Lead, Dissolved	**0.22 U**	ug/L	1.0	0.22	1	06/03/20 10:38	06/04/20 10:44	7439-92-1	
Selenium, Dissolved	**1.2 U**	ug/L	2.0	1.2	1	06/03/20 10:38	06/04/20 10:44	7782-49-2	
Silver, Dissolved	**0.21 U**	ug/L	0.50	0.21	1	06/03/20 10:38	06/04/20 10:44	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	06/01/20 08:02	06/02/20 11:05	7439-97-6	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury, Dissolved	**0.090 U**	ug/L	0.20	0.090	1	06/01/20 09:44	06/02/20 12:11	7439-97-6	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.040 U**	ug/L	0.50	0.040	1	06/02/20 12:51	06/03/20 13:42	83-32-9	
Acenaphthylene	**0.030 U**	ug/L	0.50	0.030	1	06/02/20 12:51	06/03/20 13:42	208-96-8	
Anthracene	**0.043 U**	ug/L	0.50	0.043	1	06/02/20 12:51	06/03/20 13:42	120-12-7	
Benzo(a)anthracene	**0.055 U**	ug/L	0.10	0.055	1	06/02/20 12:51	06/03/20 13:42	56-55-3	
Benzo(a)pyrene	**0.12 U**	ug/L	0.20	0.12	1	06/02/20 12:51	06/03/20 13:42	50-32-8	
Benzo(b)fluoranthene	**0.027 U**	ug/L	0.10	0.027	1	06/02/20 12:51	06/03/20 13:42	205-99-2	
Benzo(g,h,i)perylene	**0.15 U**	ug/L	0.50	0.15	1	06/02/20 12:51	06/03/20 13:42	191-24-2	
Benzo(k)fluoranthene	**0.16 U**	ug/L	0.50	0.16	1	06/02/20 12:51	06/03/20 13:42	207-08-9	
Chrysene	**0.026 U**	ug/L	0.50	0.026	1	06/02/20 12:51	06/03/20 13:42	218-01-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Sample: TMW-2 **Lab ID: 35553197002** Collected: 05/29/20 12:28 Received: 05/29/20 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Dibenz(a,h)anthracene	**0.13 U**	ug/L	0.15	0.13	1	06/02/20 12:51	06/03/20 13:42	53-70-3	
Fluoranthene	**0.018 U**	ug/L	0.50	0.018	1	06/02/20 12:51	06/03/20 13:42	206-44-0	
Fluorene	**0.088 U**	ug/L	0.50	0.088	1	06/02/20 12:51	06/03/20 13:42	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.12 U**	ug/L	0.15	0.12	1	06/02/20 12:51	06/03/20 13:42	193-39-5	
1-Methylnaphthalene	**0.19 U**	ug/L	2.0	0.19	1	06/02/20 12:51	06/03/20 13:42	90-12-0	
2-Methylnaphthalene	**0.68 U**	ug/L	2.0	0.68	1	06/02/20 12:51	06/03/20 13:42	91-57-6	
Naphthalene	**0.29 U**	ug/L	2.0	0.29	1	06/02/20 12:51	06/03/20 13:42	91-20-3	
Phenanthrene	**0.16 U**	ug/L	0.50	0.16	1	06/02/20 12:51	06/03/20 13:42	85-01-8	
Pyrene	**0.032 U**	ug/L	0.50	0.032	1	06/02/20 12:51	06/03/20 13:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	38-92		1	06/02/20 12:51	06/03/20 13:42	321-60-8	
p-Terphenyl-d14 (S)	81	%	54-112		1	06/02/20 12:51	06/03/20 13:42	1718-51-0	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	20.0	5.3	1		06/02/20 02:25	67-64-1	
Acetonitrile	**24.5 U**	ug/L	40.0	24.5	1		06/02/20 02:25	75-05-8	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:25	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		06/02/20 02:25	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	0.60	0.19	1		06/02/20 02:25	75-27-4	
Bromoform	**2.6 U**	ug/L	3.0	2.6	1		06/02/20 02:25	75-25-2	J(v2)
Bromomethane	**4.0 U**	ug/L	5.0	4.0	1		06/02/20 02:25	74-83-9	J(v2)
2-Butanone (MEK)	**7.5 U**	ug/L	10.0	7.5	1		06/02/20 02:25	78-93-3	
Carbon disulfide	**0.45 U**	ug/L	10.0	0.45	1		06/02/20 02:25	75-15-0	
Carbon tetrachloride	**1.1 U**	ug/L	3.0	1.1	1		06/02/20 02:25	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		06/02/20 02:25	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		06/02/20 02:25	75-00-3	J(v1)
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		06/02/20 02:25	67-66-3	
Chloromethane	**0.97 U**	ug/L	1.0	0.97	1		06/02/20 02:25	74-87-3	J(v2)
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		06/02/20 02:25	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		06/02/20 02:25	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		06/02/20 02:25	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		06/02/20 02:25	74-95-3	
1,2-Dichlorobenzene	**0.29 U**	ug/L	1.0	0.29	1		06/02/20 02:25	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		06/02/20 02:25	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		06/02/20 02:25	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		06/02/20 02:25	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		06/02/20 02:25	107-06-2	
1,2-Dichloroethene (Total)	**0.41 I**	ug/L	1.0	0.27	1		06/02/20 02:25	540-59-0	N2
1,1-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		06/02/20 02:25	75-35-4	
cis-1,2-Dichloroethene	**0.41 I**	ug/L	1.0	0.27	1		06/02/20 02:25	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		06/02/20 02:25	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		06/02/20 02:25	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	0.50	0.17	1		06/02/20 02:25	10061-01-5	
trans-1,3-Dichloropropene	**0.17 U**	ug/L	0.50	0.17	1		06/02/20 02:25	10061-02-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Sample: TMW-2 **Lab ID: 35553197002** Collected: 05/29/20 12:28 Received: 05/29/20 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:25	100-41-4	
2-Hexanone	**0.85 U**	ug/L	10.0	0.85	1		06/02/20 02:25	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		06/02/20 02:25	74-88-4	
Isopropylbenzene (Cumene)	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:25	98-82-8	
Methylene Chloride	**2.0 U**	ug/L	5.0	2.0	1		06/02/20 02:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**0.32 U**	ug/L	10.0	0.32	1		06/02/20 02:25	108-10-1	
Methyl-tert-butyl ether	**0.51 U**	ug/L	2.0	0.51	1		06/02/20 02:25	1634-04-4	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		06/02/20 02:25	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		06/02/20 02:25	630-20-6	
1,1,2,2-Tetrachloroethane	**0.20 U**	ug/L	0.50	0.20	1		06/02/20 02:25	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		06/02/20 02:25	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		06/02/20 02:25	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:25	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		06/02/20 02:25	79-00-5	
Trichloroethene	**0.93 I**	ug/L	1.0	0.36	1		06/02/20 02:25	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		06/02/20 02:25	75-69-4	
1,2,3-Trichloropropane	**1.1 U**	ug/L	2.0	1.1	1		06/02/20 02:25	96-18-4	
1,2,4-Trimethylbenzene	**0.24 U**	ug/L	1.0	0.24	1		06/02/20 02:25	95-63-6	
1,3,5-Trimethylbenzene	**0.24 U**	ug/L	1.0	0.24	1		06/02/20 02:25	108-67-8	
Vinyl acetate	**0.19 U**	ug/L	10.0	0.19	1		06/02/20 02:25	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		06/02/20 02:25	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		06/02/20 02:25	1330-20-7	
m&p-Xylene	**2.1 U**	ug/L	4.0	2.1	1		06/02/20 02:25	179601-23-1	
o-Xylene	**0.27 U**	ug/L	1.0	0.27	1		06/02/20 02:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/02/20 02:25	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		06/02/20 02:25	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/02/20 02:25	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

QC Batch: 637085
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35553197001, 35553197002

METHOD BLANK: 3465005 Matrix: Water
Associated Lab Samples: 35553197001, 35553197002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	06/02/20 10:21	

LABORATORY CONTROL SAMPLE: 3465006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3465007 3465008

Parameter	Units	35552925001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.0	2.1	102	103	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

QC Batch: 637106
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury Dissolved
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35553197001, 35553197002

METHOD BLANK: 3465040 Matrix: Water
Associated Lab Samples: 35553197001, 35553197002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	0.090 U	0.20	0.090	06/02/20 11:51	

LABORATORY CONTROL SAMPLE: 3465041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	2	2.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3465042 3465043

Parameter	Units	35553197001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	0.090 U	2	2	2.0	2.0	100	101	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

QC Batch: 637077
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35553197001, 35553197002

METHOD BLANK: 3464992 Matrix: Water
Associated Lab Samples: 35553197001, 35553197002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	0.50 U	1.0	0.50	06/01/20 13:41	
Barium	ug/L	0.50 U	1.0	0.50	06/01/20 13:41	
Cadmium	ug/L	0.050 U	0.10	0.050	06/01/20 13:41	
Chromium	ug/L	0.50 U	1.0	0.50	06/01/20 13:41	
Lead	ug/L	0.22 U	1.0	0.22	06/01/20 13:41	
Selenium	ug/L	1.2 U	2.0	1.2	06/01/20 13:41	
Silver	ug/L	0.21 U	0.50	0.21	06/01/20 13:41	

LABORATORY CONTROL SAMPLE: 3464993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	50	48.7	97	80-120	
Barium	ug/L	50	50.3	101	80-120	
Cadmium	ug/L	5	5.2	103	80-120	
Chromium	ug/L	50	52.3	105	80-120	
Lead	ug/L	50	50.8	102	80-120	
Selenium	ug/L	50	51.0	102	80-120	
Silver	ug/L	5	5.4	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3464994 3464995

Parameter	Units	35552551012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	0.59 I	50	50	48.8	49.8	96	98	75-125	2	20	
Barium	ug/L	2.5	50	50	51.6	52.3	98	100	75-125	1	20	
Cadmium	ug/L	0.050 U	5	5	5.3	5.3	106	105	75-125	1	20	
Chromium	ug/L	1.5	50	50	53.9	53.2	105	103	75-125	1	20	
Lead	ug/L	0.22 U	50	50	49.9	50.3	100	100	75-125	1	20	
Selenium	ug/L	1.2 U	50	50	49.9	50.3	99	100	75-125	1	20	
Silver	ug/L	0.21 U	5	5	5.3	5.4	106	108	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

QC Batch: 637864
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET Dissolved
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35553197001, 35553197002

METHOD BLANK: 3468761 Matrix: Water
Associated Lab Samples: 35553197001, 35553197002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	0.50 U	1.0	0.50	06/04/20 10:36	
Barium, Dissolved	ug/L	0.50 U	1.0	0.50	06/04/20 10:36	
Cadmium, Dissolved	ug/L	0.050 U	0.10	0.050	06/04/20 10:36	
Chromium, Dissolved	ug/L	0.50 U	1.0	0.50	06/04/20 10:36	
Lead, Dissolved	ug/L	0.22 U	1.0	0.22	06/04/20 10:36	
Selenium, Dissolved	ug/L	1.2 U	2.0	1.2	06/04/20 10:36	
Silver, Dissolved	ug/L	0.21 U	0.50	0.21	06/04/20 10:36	

LABORATORY CONTROL SAMPLE: 3468762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	50	49.6	99	80-120	
Barium, Dissolved	ug/L	50	51.3	103	80-120	
Cadmium, Dissolved	ug/L	5	5.0	100	80-120	
Chromium, Dissolved	ug/L	50	49.0	98	80-120	
Lead, Dissolved	ug/L	50	48.2	96	80-120	
Selenium, Dissolved	ug/L	50	54.5	109	80-120	
Silver, Dissolved	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3468763 3468764

Parameter	Units	35553197002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	0.50 U	50	50	51.2	50.4	102	101	70-130	2	20	
Barium, Dissolved	ug/L	54.3	50	50	103	103	97	97	70-130	0	20	
Cadmium, Dissolved	ug/L	0.050 U	5	5	5.0	5.1	100	101	70-130	1	20	
Chromium, Dissolved	ug/L	0.50 U	50	50	49.3	49.0	98	97	70-130	1	20	
Lead, Dissolved	ug/L	0.22 U	50	50	48.2	48.0	96	96	70-130	0	20	
Selenium, Dissolved	ug/L	1.2 U	50	50	50.6	48.1	100	95	70-130	5	20	
Silver, Dissolved	ug/L	0.21 U	5	5	5.2	5.2	104	103	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

QC Batch: 637307
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35553197001, 35553197002

METHOD BLANK: 3466120 Matrix: Water
Associated Lab Samples: 35553197001, 35553197002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	06/01/20 23:32	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	06/01/20 23:32	
1,1,2,2-Tetrachloroethane	ug/L	0.20 U	0.50	0.20	06/01/20 23:32	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	06/01/20 23:32	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	06/01/20 23:32	
1,1-Dichloroethene	ug/L	0.27 U	1.0	0.27	06/01/20 23:32	
1,2,3-Trichloropropane	ug/L	1.1 U	2.0	1.1	06/01/20 23:32	
1,2,4-Trimethylbenzene	ug/L	0.24 U	1.0	0.24	06/01/20 23:32	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	06/01/20 23:32	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	06/01/20 23:32	
1,2-Dichlorobenzene	ug/L	0.29 U	1.0	0.29	06/01/20 23:32	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	06/01/20 23:32	
1,2-Dichloroethene (Total)	ug/L	0.27 U	1.0	0.27	06/01/20 23:32	N2
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	06/01/20 23:32	
1,3,5-Trimethylbenzene	ug/L	0.24 U	1.0	0.24	06/01/20 23:32	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	06/01/20 23:32	
2-Butanone (MEK)	ug/L	7.5 U	10.0	7.5	06/01/20 23:32	
2-Hexanone	ug/L	0.85 U	10.0	0.85	06/01/20 23:32	
4-Methyl-2-pentanone (MIBK)	ug/L	0.32 U	10.0	0.32	06/01/20 23:32	
Acetone	ug/L	5.3 U	20.0	5.3	06/01/20 23:32	
Acetonitrile	ug/L	24.5 U	40.0	24.5	06/01/20 23:32	
Benzene	ug/L	0.30 U	1.0	0.30	06/01/20 23:32	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	06/01/20 23:32	
Bromodichloromethane	ug/L	0.19 U	0.60	0.19	06/01/20 23:32	
Bromoform	ug/L	2.6 U	3.0	2.6	06/01/20 23:32	J(v2)
Bromomethane	ug/L	4.0 U	5.0	4.0	06/01/20 23:32	J(v2)
Carbon disulfide	ug/L	0.45 U	10.0	0.45	06/01/20 23:32	
Carbon tetrachloride	ug/L	1.1 U	3.0	1.1	06/01/20 23:32	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	06/01/20 23:32	
Chloroethane	ug/L	3.7 U	10.0	3.7	06/01/20 23:32	J(v1)
Chloroform	ug/L	0.32 U	1.0	0.32	06/01/20 23:32	
Chloromethane	ug/L	0.97 U	1.0	0.97	06/01/20 23:32	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	06/01/20 23:32	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.50	0.17	06/01/20 23:32	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	06/01/20 23:32	
Dibromomethane	ug/L	0.68 U	2.0	0.68	06/01/20 23:32	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	06/01/20 23:32	
Iodomethane	ug/L	9.3 U	10.0	9.3	06/01/20 23:32	
Isopropylbenzene (Cumene)	ug/L	0.30 U	1.0	0.30	06/01/20 23:32	
m&p-Xylene	ug/L	2.1 U	4.0	2.1	06/01/20 23:32	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

METHOD BLANK: 3466120 Matrix: Water
Associated Lab Samples: 35553197001, 35553197002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Methyl-tert-butyl ether	ug/L	0.51 U	2.0	0.51	06/01/20 23:32	
Methylene Chloride	ug/L	2.0 U	5.0	2.0	06/01/20 23:32	
o-Xylene	ug/L	0.27 U	1.0	0.27	06/01/20 23:32	
Styrene	ug/L	0.26 U	1.0	0.26	06/01/20 23:32	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	06/01/20 23:32	
Toluene	ug/L	0.33 U	1.0	0.33	06/01/20 23:32	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	06/01/20 23:32	
trans-1,3-Dichloropropene	ug/L	0.17 U	0.50	0.17	06/01/20 23:32	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	06/01/20 23:32	
Trichloroethene	ug/L	0.36 U	1.0	0.36	06/01/20 23:32	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	06/01/20 23:32	
Vinyl acetate	ug/L	0.19 U	10.0	0.19	06/01/20 23:32	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	06/01/20 23:32	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	06/01/20 23:32	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130		06/01/20 23:32	
4-Bromofluorobenzene (S)	%	95	70-130		06/01/20 23:32	
Toluene-d8 (S)	%	99	70-130		06/01/20 23:32	

LABORATORY CONTROL SAMPLE: 3466121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	96	70-130	
1,1,1-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.0	105	68-125	
1,1,2-Trichloroethane	ug/L	20	21.2	106	70-130	
1,1-Dichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethene	ug/L	20	20.0	100	66-133	
1,2,3-Trichloropropane	ug/L	20	20.6	103	62-127	
1,2,4-Trimethylbenzene	ug/L	20	21.0	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.9	89	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	19.3	96	70-130	
1,2-Dichlorobenzene	ug/L	20	19.9	100	70-130	
1,2-Dichloroethane	ug/L	20	19.3	97	70-130	
1,2-Dichloroethene (Total)	ug/L	40	38.6	97	70-130	N2
1,2-Dichloropropane	ug/L	20	20.8	104	70-130	
1,3,5-Trimethylbenzene	ug/L	20	20.5	102	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	100	93.9	94	47-143	
2-Hexanone	ug/L	100	103	103	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	57-132	
Acetone	ug/L	100	106	106	46-148	
Acetonitrile	ug/L	100	99.3	99	33-175	
Benzene	ug/L	20	21.6	108	70-130	
Bromochloromethane	ug/L	20	18.2	91	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

LABORATORY CONTROL SAMPLE: 3466121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	18.2	91	70-130	
Bromoform	ug/L	20	15.1	75	49-126	J(v3)
Bromomethane	ug/L	20	6.9	34	10-165	J(v3)
Carbon disulfide	ug/L	20	19.4	97	60-141	
Carbon tetrachloride	ug/L	20	19.5	98	63-126	
Chlorobenzene	ug/L	20	20.2	101	70-130	
Chloroethane	ug/L	20	25.7	129	71-142	J(v1)
Chloroform	ug/L	20	20.1	100	70-130	
Chloromethane	ug/L	20	12.0	60	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	20	20.4	102	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.2	86	70-130	
Dibromochloromethane	ug/L	20	16.7	84	62-118	
Dibromomethane	ug/L	20	19.1	95	70-130	
Ethylbenzene	ug/L	20	20.9	104	70-130	
Iodomethane	ug/L	20	9.3 U	11	10-164	
Isopropylbenzene (Cumene)	ug/L	20	20.7	104	70-130	
m&p-Xylene	ug/L	40	39.9	100	70-130	
Methyl-tert-butyl ether	ug/L	20	18.2	91	64-124	
Methylene Chloride	ug/L	20	20.0	100	65-136	
o-Xylene	ug/L	20	20.3	102	70-130	
Styrene	ug/L	20	18.2	91	70-130	
Tetrachloroethene	ug/L	20	19.1	95	64-134	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.2	91	68-127	
trans-1,3-Dichloropropene	ug/L	20	16.7	84	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	17.1	86	42-129	
Trichloroethene	ug/L	20	19.4	97	70-130	
Trichlorofluoromethane	ug/L	20	19.8	99	65-135	
Vinyl acetate	ug/L	20	17.3	86	60-144	
Vinyl chloride	ug/L	20	17.3	87	68-131	
Xylene (Total)	ug/L	60	60.3	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 3466123

Parameter	Units	35553209002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.7	98	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.6	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.20 U	20	20.9	105	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	21.4	107	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	22.6	113	70-130	
1,1-Dichloroethene	ug/L	0.27 U	20	23.3	116	66-133	
1,2,3-Trichloropropane	ug/L	1.1 U	20	20.9	105	62-127	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

MATRIX SPIKE SAMPLE: 3466123

Parameter	Units	35553209002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	0.24 U	20	21.2	106	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	17.5	87	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	19.2	96	70-130	
1,2-Dichlorobenzene	ug/L	0.29 U	20	20.3	101	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	19.7	99	70-130	
1,2-Dichloroethene (Total)	ug/L	0.27 U	40	42.9	107	70-130	N2
1,2-Dichloropropane	ug/L	0.23 U	20	21.1	106	70-130	
1,3,5-Trimethylbenzene	ug/L	0.24 U	20	21.1	106	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	19.8	99	70-130	
2-Butanone (MEK)	ug/L	7.5 U	100	92.4	92	47-143	
2-Hexanone	ug/L	0.85 U	100	99.5	99	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	0.32 U	100	102	102	57-132	
Acetone	ug/L	5.3 U	100	106	106	46-148	
Acetonitrile	ug/L	24.5 U	100	101	101	33-175	
Benzene	ug/L	0.30 U	20	22.8	114	70-130	
Bromochloromethane	ug/L	0.37 U	20	18.9	95	70-130	
Bromodichloromethane	ug/L	0.19 U	20	19.0	95	70-130	
Bromoform	ug/L	2.6 U	20	14.8	74	49-126	J(v3)
Bromomethane	ug/L	4.0 U	20	8.3	42	10-165	J(v3)
Carbon disulfide	ug/L	0.45 U	20	21.6	108	60-141	
Carbon tetrachloride	ug/L	1.1 U	20	21.1	106	63-126	
Chlorobenzene	ug/L	0.35 U	20	20.7	103	70-130	
Chloroethane	ug/L	3.7 U	20	28.0	140	71-142	J(v1)
Chloroform	ug/L	0.32 U	20	21.1	105	70-130	
Chloromethane	ug/L	0.97 U	20	13.9	70	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	0.27 U	20	21.2	106	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	15.8	79	70-130	
Dibromochloromethane	ug/L	0.45 U	20	16.7	83	62-118	
Dibromomethane	ug/L	0.68 U	20	19.1	96	70-130	
Ethylbenzene	ug/L	0.30 U	20	21.6	108	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	14	10-164	
Isopropylbenzene (Cumene)	ug/L	0.30 U	20	21.4	107	70-130	
m&p-Xylene	ug/L	2.1 U	40	41.2	103	70-130	
Methyl-tert-butyl ether	ug/L	0.51 U	20	17.8	89	64-124	
Methylene Chloride	ug/L	2.0 U	20	20.5	103	65-136	
o-Xylene	ug/L	0.27 U	20	20.6	103	70-130	
Styrene	ug/L	0.26 U	20	18.1	91	70-130	
Tetrachloroethene	ug/L	0.38 U	20	19.8	99	64-134	
Toluene	ug/L	0.33 U	20	21.5	107	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	21.7	108	68-127	
trans-1,3-Dichloropropene	ug/L	0.17 U	20	16.4	82	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	16.4	82	42-129	
Trichloroethene	ug/L	0.36 U	20	20.8	104	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	23.3	116	65-135	
Vinyl acetate	ug/L	0.19 U	20	15.5	78	60-144	
Vinyl chloride	ug/L	0.39 U	20	21.2	106	68-131	
Xylene (Total)	ug/L	2.1 U	60	61.8	103	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

MATRIX SPIKE SAMPLE: 3466123

Parameter	Units	35553209002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 3466122

Parameter	Units	35553209001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.20 U	0.20 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.27 U	0.27 U		40	
1,2,3-Trichloropropane	ug/L	1.1 U	1.1 U		40	
1,2,4-Trimethylbenzene	ug/L	0.24 U	0.24 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.29 U	0.29 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloroethene (Total)	ug/L	0.27 U	0.27 U		40	N2
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,3,5-Trimethylbenzene	ug/L	0.24 U	0.24 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	7.5 U	7.5 U		40	
2-Hexanone	ug/L	0.85 U	0.85 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	0.32 U	0.32 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acetonitrile	ug/L	24.5 U	24.5 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	2.6 U	2.6 U		40	J(v2)
Bromomethane	ug/L	4.0 U	4.0 U		40	J(v2)
Carbon disulfide	ug/L	0.45 U	0.45 U		40	
Carbon tetrachloride	ug/L	1.1 U	1.1 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.97 U	0.97 U		40	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	0.56 I	0.30 U		40	
Iodomethane	ug/L	9.3 U	9.3 U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

SAMPLE DUPLICATE: 3466122

Parameter	Units	35553209001 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	0.30 U	0.30 U		40	
m&p-Xylene	ug/L	2.1 U	2.1 U		40	
Methyl-tert-butyl ether	ug/L	0.51 U	0.51 U		40	
Methylene Chloride	ug/L	2.0 U	2.0 U		40	
o-Xylene	ug/L	0.27 U	0.27 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	0.19 U	0.19 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	106	105			
4-Bromofluorobenzene (S)	%	94	93		40	
Toluene-d8 (S)	%	100	99		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

QC Batch: 637322
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAHLV by SIM MSSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35553197001, 35553197002

METHOD BLANK: 3466216 Matrix: Water
Associated Lab Samples: 35553197001, 35553197002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.19 U	2.0	0.19	06/03/20 07:18	
2-Methylnaphthalene	ug/L	0.68 U	2.0	0.68	06/03/20 07:18	
Acenaphthene	ug/L	0.040 U	0.50	0.040	06/03/20 07:18	
Acenaphthylene	ug/L	0.030 U	0.50	0.030	06/03/20 07:18	
Anthracene	ug/L	0.043 U	0.50	0.043	06/03/20 07:18	
Benzo(a)anthracene	ug/L	0.055 U	0.10	0.055	06/03/20 07:18	
Benzo(a)pyrene	ug/L	0.12 U	0.20	0.12	06/03/20 07:18	
Benzo(b)fluoranthene	ug/L	0.027 U	0.10	0.027	06/03/20 07:18	
Benzo(g,h,i)perylene	ug/L	0.15 U	0.50	0.15	06/03/20 07:18	
Benzo(k)fluoranthene	ug/L	0.16 U	0.50	0.16	06/03/20 07:18	
Chrysene	ug/L	0.026 U	0.50	0.026	06/03/20 07:18	
Dibenz(a,h)anthracene	ug/L	0.13 U	0.15	0.13	06/03/20 07:18	
Fluoranthene	ug/L	0.018 U	0.50	0.018	06/03/20 07:18	
Fluorene	ug/L	0.088 U	0.50	0.088	06/03/20 07:18	
Indeno(1,2,3-cd)pyrene	ug/L	0.12 U	0.15	0.12	06/03/20 07:18	
Naphthalene	ug/L	0.29 U	2.0	0.29	06/03/20 07:18	
Phenanthrene	ug/L	0.16 U	0.50	0.16	06/03/20 07:18	
Pyrene	ug/L	0.032 U	0.50	0.032	06/03/20 07:18	
2-Fluorobiphenyl (S)	%	65	38-92		06/03/20 07:18	
p-Terphenyl-d14 (S)	%	95	54-112		06/03/20 07:18	

LABORATORY CONTROL SAMPLE: 3466217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	3.7	73	40-96	
2-Methylnaphthalene	ug/L	5	3.7	73	40-94	
Acenaphthene	ug/L	5	3.9	77	42-96	
Acenaphthylene	ug/L	5	3.4	67	39-90	
Anthracene	ug/L	5	3.8	76	46-109	
Benzo(a)anthracene	ug/L	5	3.7	75	50-116	
Benzo(a)pyrene	ug/L	5	4.0	80	48-117	
Benzo(b)fluoranthene	ug/L	5	4.6	92	51-124	
Benzo(g,h,i)perylene	ug/L	5	4.4	89	47-121	
Benzo(k)fluoranthene	ug/L	5	4.7	94	50-125	
Chrysene	ug/L	5	4.4	88	53-122	
Dibenz(a,h)anthracene	ug/L	5	4.4	88	45-123	
Fluoranthene	ug/L	5	4.2	83	52-119	
Fluorene	ug/L	5	3.9	79	44-100	
Indeno(1,2,3-cd)pyrene	ug/L	5	4.3	87	46-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

LABORATORY CONTROL SAMPLE: 3466217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	5	3.7	74	40-91	
Phenanthrene	ug/L	5	4.2	83	47-111	
Pyrene	ug/L	5	4.2	84	51-120	
2-Fluorobiphenyl (S)	%			74	38-92	
p-Terphenyl-d14 (S)	%			100	54-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3466517 3466518

Parameter	Units	35552939003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	0.19 U	5	5	3.6	3.1	72	61	40-96	16	40	
2-Methylnaphthalene	ug/L	0.68 U	5	5	3.6	3.1	71	61	40-94	16	40	
Acenaphthene	ug/L	0.040 U	5	5	3.8	3.3	76	66	42-96	14	40	
Acenaphthylene	ug/L	0.030 U	5	5	3.4	2.9	67	58	39-90	14	40	
Anthracene	ug/L	0.043 U	5	5	3.9	3.5	77	70	46-109	10	40	
Benzo(a)anthracene	ug/L	0.055 U	5	5	3.7	3.6	75	72	50-116	4	40	
Benzo(a)pyrene	ug/L	0.12 U	5	5	4.1	3.9	82	79	48-117	5	40	
Benzo(b)fluoranthene	ug/L	0.027 U	5	5	4.6	4.4	93	89	51-124	4	40	
Benzo(g,h,i)perylene	ug/L	0.15 U	5	5	4.2	4.1	85	82	47-121	3	40	
Benzo(k)fluoranthene	ug/L	0.16 U	5	5	4.5	4.4	90	87	50-125	3	40	
Chrysene	ug/L	0.026 U	5	5	4.3	4.1	86	83	53-122	4	40	
Dibenz(a,h)anthracene	ug/L	0.13 U	5	5	4.2	4.1	84	82	45-123	3	40	
Fluoranthene	ug/L	0.018 U	5	5	4.1	3.9	83	78	52-119	6	40	
Fluorene	ug/L	0.088 U	5	5	3.9	3.5	78	69	44-100	12	40	
Indeno(1,2,3-cd)pyrene	ug/L	0.12 U	5	5	4.2	4.1	83	81	46-121	3	40	
Naphthalene	ug/L	0.29 U	5	5	3.7	3.1	72	61	40-91	16	40	
Phenanthrene	ug/L	0.16 U	5	5	4.2	3.8	83	76	47-111	9	40	
Pyrene	ug/L	0.032 U	5	5	4.2	4.0	84	79	51-120	6	40	
2-Fluorobiphenyl (S)	%						71	62	38-92			
p-Terphenyl-d14 (S)	%						95	93	54-112			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

QC Batch: 637433
QC Batch Method: EPA 3510
Analysis Method: FL-PRO
Analysis Description: FL-PRO Water Low Volume
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35553197001, 35553197002

METHOD BLANK: 3466611 Matrix: Water
Associated Lab Samples: 35553197001, 35553197002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/L	0.80 U	1.0	0.80	06/02/20 18:51	
N-Pentatriacontane (S)	%	86	42-159		06/02/20 18:51	
o-Terphenyl (S)	%	96	66-139		06/02/20 18:51	

LABORATORY CONTROL SAMPLE: 3466612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/L	5	3.8	77	66-119	
N-Pentatriacontane (S)	%			93	42-159	
o-Terphenyl (S)	%			87	66-139	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3466765 3466766

Parameter	Units	35552939003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Petroleum Range Organics	mg/L	0.73 U	4.8	4.5	3.7	3.3	76	72	65-123	12	20	
N-Pentatriacontane (S)	%						91	84	42-159			
o-Terphenyl (S)	%						90	82	66-139			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(v1)	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA Chilled Water Lot 48
Pace Project No.: 35553197

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35553197001	**TMW-1**	EPA 3510	637433	FL-PRO	637670
35553197002	**TMW-2**	EPA 3510	637433	FL-PRO	637670
35553197001	**TMW-1**	EPA 3010	637077	EPA 6020	637160
35553197002	**TMW-2**	EPA 3010	637077	EPA 6020	637160
35553197001	**TMW-1**	EPA 3010	637864	EPA 6020	638002
35553197002	**TMW-2**	EPA 3010	637864	EPA 6020	638002
35553197001	**TMW-1**	EPA 7470	637085	EPA 7470	637149
35553197002	**TMW-2**	EPA 7470	637085	EPA 7470	637149
35553197001	**TMW-1**	EPA 7470	637106	EPA 7470	637212
35553197002	**TMW-2**	EPA 7470	637106	EPA 7470	637212
35553197001	**TMW-1**	EPA 3510	637322	EPA 8270 by SIM	637767
35553197002	**TMW-2**	EPA 3510	637322	EPA 8270 by SIM	637767
35553197001	**TMW-1**	EPA 8260	637307		
35553197002	**TMW-2**	EPA 8260	637307		

WO# : 35553197

35553197

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A — Required Client Information:

Company:	Meskel & Associates Engineering, Inc.
Address:	3728 Philips Highway
	Jacksonville, FL 32207
Email:	sdavidson@meskelengineering.com
Phone: (904)519-6990	Fax:
Requested Due Date:	

Required Project Information:

Report To:	Scott Davidson, P.G.
Copy To:	
Purchase Order #:	
Project Name:	JEA Chilled Water Lot 48
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	todd.rea@pacelabs.com,
Pace Profile #:	10619-5

Regulatory Agency:

State / Location: FL

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	VOC (8260)	PAHs (8270 SIM)	TRPH (FL-PRO)	8 RCRA, Total (6020/7470)	8 RCRA, Dissolved (6020/74	Residual Chlorine (Y/N)	
1	TMW-1	WT	G	5-29-20	11:35				8	✓	✓	✓	✓						✓	✓	✓	✓	✓		HOLD DISSOLVED
2	TMW-2	WT	G	5-29-20	12:20				8	✓	✓	✓	✓						✓	✓	✓	✓	✓		METALS
3																										PENDING
4																										TOTALS
5																										RESULTS
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
EMPTY BOTTLES	PACE	5/29/2020	900	MAE	5/29/20	9:00				
	MAE	5/29/20	1340	Pace	5/29/20	1340				
	Pace	5/29/20	1700	FL	5/29/20	1700				
	FL			TWA/Pace T349	5/29/20	2335	3.2	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: GABRIEL PASMANN

SIGNATURE of SAMPLER: [signature]

DATE Signed: 5/29/20

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO# : 35553197

Project Manager: PM: TSR **Due Date:** 06/05/20

Client: CLIENT: MEASEN

Date and Initials of person:
Examining contents: TMA
Label:
Deliver:
pH:

Thermometer Used: T349 Date: 5/29/20 Time: 2342 Initials: TMA

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	3.1	(Visual)	+0.1	(Correction Factor)	3.2	(Actual)
Cooler #2 Temp.°C		(Visual)		(Correction Factor)		(Actual)
Cooler #3 Temp.°C		(Visual)		(Correction Factor)		(Actual)
Cooler #4 Temp.°C		(Visual)		(Correction Factor)		(Actual)
Cooler #5 Temp.°C		(Visual)		(Correction Factor)		(Actual)
Cooler #6 Temp.°C		(Visual)		(Correction Factor)		(Actual)

☐ Samples on ice, cooling process has begun (each cooler)

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority ☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No **Seals intact:** ☒ Yes ☐ No **Ice:** (Wet) Blue Dry None

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

		Comments:
Chain of Custody Present	☒Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☒Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☒Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☒Yes ☐ No ☐N/A	
Rush TAT requested on COC	☐Yes ☒ No ☐N/A	
Sufficient Volume	☒Yes ☐ No ☐N/A	
Correct Containers Used	☒Yes ☐ No ☐N/A	
Containers Intact	☒Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☒Yes ☐ No ☐N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☒Yes ☐ No ☐N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐Yes ☒ No ☐N/A	
Trip Blank Present:	☐Yes ☒ No ☐N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Appendix F

NOTICE OF INTENT
TO USE THE GENERIC PERMIT
FOR DISCHARGE OF GROUND WATER
FROM DEWATERING OPERATIONS
(subsection 62-621.300(2), F.A.C.)

PART I INSTRUCTIONS

A. Will dewatering operations be performed as part of construction activities?

☐ NO Continue completing this form.

☐ YES You may elect to obtain coverage under the Generic Permit for Stormwater Discharge from Large and Small Construction Activities (CGP), DEP Form 62-621.300(4)(b), which will cover both the construction and dewatering operations.

B. This Notice of Intent (NOI) form shall be completed and submitted to the industrial wastewater program at the local DEP office as part of the request for coverage under the Generic Permit for Discharge of Ground Water from Dewatering Operations subsection 62-621.300(2)(a), F.A.C., at least 14 days prior to planned commencement of discharge. For the purposes of this generic permit, 'dewatering operations' means temporarily lowering the water table by draining or pumping of ground water from activities such as excavations, building foundations, vaults, trenches and aquifer performance tests for exploratory purposes. Applicants should be familiar with the rule, generic permit document and instructions before completing this NOI form. Attach additional information on separate sheets as necessary.

1. Submit this completed form and supporting documentation and the $100.00 application fee to the industrial wastewater program at the local DEP office. Electronic submittal is preferred and may be available at http://www.dep.state.fl.us/water/wastewater/iw/iw-forms.htm. To locate a local DEP office, go to: http://www.dep.state.fl.us/secretary/dist/default.htm.
2. Checks should be payable to the Florida Department of Environmental Protection. **DEP will not process this form without the appropriate fee.**
3. If an item is not applicable to your project, indicate "NA" in the appropriate space provided.

PART II DEWATERING INFORMATION:

A. Is the project site currently identified as contaminated, or is there a site within 500 feet of the dewatering project identified as contaminated, by a DEP or EPA cleanup/restoration program? You may use the Quick Links to DEP's Contamination Locator Map (CLM) and DEP's Institutional Controls Registry (ICR) Web Viewer to determine cleanup restoration status. You may access the CLM at: http://webapps.dep.state.fl.us/DepClnup/welcome.do, or http://ca.dep.state.fl.us/mapdirect/?focus=contamlocator. The ICR may be accessed at: http://www.dep.state.fl.us/waste/categories/brownfields/pages/ICR.htm, or http://ca.dep.state.fl.us/mapdirect/?focus=icr

☐ YES Continue to B.

☐ NO Continue to D.

DEP Form 62-621.300(2)(b) incorporated in subsection 62-621.300(2), F.A.C.
Effective 02/2015

B. Has the site been remediated?

☐ YES Continue to D.

☐ NO Continue to C.

C. Are the pollutants of concern (i.e. contamination) present in ground water at the dewatering project site at concentrations equal to or exceeding the surface water criteria in Rule 62-302.530?

☐ YES Dewatering operations do not qualify for coverage under this generic permit. However, the site may qualify for coverage under Rule 62-621.300(1), F.A.C., or under an individual wastewater permit on the appropriate form listed in Rule 62-620.910, F.A.C.

☐ NO Continue to D.

D. Have Best Management Practices (BMPs) for this generic permit been developed or addressed in an existing BMP plan in accordance to the requirements of this generic permit. BMPs must be implemented upon commencement of the discharge

☐ YES Continue to Part III.

☐ NO Your application cannot be processed until this item is complete.

NOTE: Chemical treatment is allowed as described in the Best Management Practices of the Generic Permit. However, sites that use cationic treatment chemicals are not eligible for coverage under Generic Permit for Discharge of Ground Water from Dewatering Operations unless concurrence from the applicable local DEP office is obtained in advance of the submittal of this NOI. Appropriate controls and implementation procedures designed to ensure that the use of cationic treatment chemicals will not cause or contribute to a violation of water quality standards shall be included in the site specific BMPs.

PART III DISCHARGE INFORMATION:

A. Please identify receiving surface water body.

PART IV SITE INFORMATION

A. COVERAGE STATUS:

1. Is this application for new coverage or for renewal of coverage under the generic permit?	New ☐ Renewal ☐
2. If this application is for renewal of coverage under the generic permit, provide the FLG No.	FLG No:

B. NAME OF SITE:

Site Name:

C. PERMITTEE INFORMATION:

1. Name:	2. Title (Owner, Operator, Contractor, etc.):	
3. Phone No.: ( ) -	4. Fax No.: ( ) -	
4. Email Address:		
5. Street or P. O. Box:		
6. City or Town:	7. State:	8. Zip Code:

D. SITE LOCATION INFORMATION:

1. Street, Route or Other Specific Identifier:		
2. County:		
3. City or Town:	4. State:	5. Zip Code:
6. Latitude: ° ′ ″	7. Longitude: ° ′ ″	
8. If records required in accordance with Part V. of DEP Document 62-621.300(2)(a), are kept off-site, please provide the physical address of site where records will be kept. Note: location must be accessible for inspection of records by the Department.		

PART V CERTIFICATIONS

A. OWNER OR OPERATOR[1]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

Name & Official Title (type or print) Signature

_____ _____

Telephone No. Date signed

_____

Email Address

[1] Signatory requirements are contained in Rule 62-620.305, F.A.C.