Voluntary Investigation and Remediation Plan Application

SoGreen Former Waste Pile Site
Highland Avenue
Tifton, Tift County, Georgia
HSI Site No. 10142

Prepared for:	Kazmarek Mowrey Cloud Laseter LLP 1230 Peachtree Street NE, Suite 3600, Atlanta, GA 30309
Date:	May 5, 2017
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Project No.:	6123160068

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1.0 VOLUNTARY INVESTIGATION AND REMEDIATION PLAN APPLICATION FORM AND CHECKLIST

The Georgia Voluntary Remediation Program Act ("the Act") sets certain criteria for a property and a responsible party to be eligible for the Voluntary Remediation Program (VRP). Based on our understanding, the SoGreen and the Barren Area Parcels, and Gerdau Long Steel North America (f/k/a AmeriSteel Corporation) as the proposed participant (the "Applicant"), all meet the Act's requirements. The Voluntary Investigation and Remediation Plan Application Form and Checklist follow this section. The Applicant has the express permission of the current property owner of each parcel, Aries Alpha, Inc. (SoGreen) and All Saints, Inc. (Barren Area), to perform corrective action on those properties, as shown in the agreements included in **Appendix A**

Voluntary Investigation and Remediation Plan Application Form and Checklist

VRP APPLICANT INFORMATION					
COMPANY NAME	Gerdau Long Steel North America				
CONTACT PERSON/TITLE	Luis A. Nieves, Director Environment				
ADDRESS	PO Box 31328, Tampa, FL 33631				
PHONE	813-207-2200	FAX		E-MAIL	Luis.Nieves@Gerdau.com

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP					
NAME	Mr. Greg Wrenn, P.E.			GA PE/PG NUMBER	25565
COMPANY	Amec Foster Wheeler Environment & Infrastructure, Inc.				
ADDRESS	1075 Big Shanty Road NW, Suite 100, Kennesaw, Georgia 30144				
PHONE	770 421-3472	FAX	770 421-3486	E-MAIL	Greg.Wrenn@amecfw.com

APPLICANT'S CERTIFICATION

In order to be considered a qualifying property for the VRP:

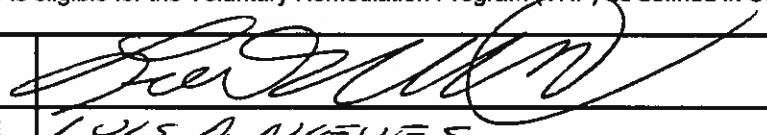
(1) The property must have a release of regulated substances into the environment;
(2) The property shall not be:
- (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
- (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
- (C) A facility required to have a permit under Code Section 12-8-66.

(3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
(4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:
- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective action.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

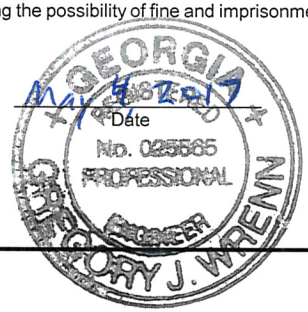
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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.

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

APPLICANT'S SIGNATURE			
APPLICANT'S NAME/TITLE (PRINT)	LUIS A. NIEVES DIRECTOR ENVIRONMENT	DATE	MAY 1 2017

QUALIFYING PROPERTY INFORMATION (For additional qualifying properties, please refer to the last page of application form)			
HAZARDOUS SITE INVENTORY INFORMATION (if applicable)			
HSI Number	10142	Date HSI Site listed	6/29/1994
HSI Facility Name	So Green Waste Pile	NAICS CODE	
PROPERTY INFORMATION			
TAX PARCEL ID	T054 149	PROPERTY SIZE (ACRES)	3
PROPERTY ADDRESS	Highland Avenue		
CITY	Tifton	COUNTY	Tift
STATE	Georgia	ZIPCODE	31794
LATITUDE (decimal format)	31.442222	LONGITUDE (decimal format)	-83.510556
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	Aries Alpha, Inc.	PHONE #	
MAILING ADDRESS	P.O. Box 1733		
CITY	Tifton	STATE/ZIPCODE	Georgia 31793-1733

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (Leave Blank)
1.	**$5,000 APPLICATION FEE** IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. (PLEASE LIST CHECK DATE AND CHECK NUMBER IN COLUMN TITLED "LOCATION IN VRP." PLEASE DO NOT INCLUDE A SCANNED COPY OF CHECK IN ELECTRONIC COPY OF APPLICATION.)	**Attached**	
2.	**WARRANTY DEED(S)** FOR QUALIFYING PROPERTY.	**Appendix A**	
3.	**TAX PLAT** OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S).	**Appendix A**	
4.	**ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES** OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).	**Attached**	
5.	The VRP participant's initial plan and application must include**, using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illu**strates the site's surface and subsurface setting, the known or **suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a PROJECTED MILESTONE SCHEDULE for investigation and remediation of the site, and after enrollment as a participant, must update the schedule in each semi-annual status report to the director describing implementation of the plan during the preceding period. A Gantt chart format is preferred for the**	**Sections 4, 5, and 6 Figures 4A and 4B**	

	milestone schedule. The following four (4) generic milestones are required in all initial plans with the results reported in the participant's next applicable semi-annual reports to the director. The director may extend the time for or waive these or other milestones in the participant's plan where the director determines, based on a showing by the participant, that a longer time period is reasonably necessary:		
5.a.	Within the first 12 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern on property where access is available at the time of enrollment;	**Sections 3, 5, and 6 Figure 3**	
5.b.	Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;	**Sections 3, 5, and 6 Figure 3**	
5.c.	Within 30 months after enrollment, the participant must update the site CSM to include vertical delineation, finalize the remediation plan and provide a preliminary cost estimate for implementation of remediation and associated continuing actions; and	**Section 6**	
5.d.	Within 60 months after enrollment, the participant must submit the compliance status report required under the VRP, including the requisite certifications.	**Section 6**	
6.	**SIGNED AND SEALED PE/PG CERTIFICATION** AND SUPPORTING DOCUMENTATION: "I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances. Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division. 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." Gregory J. Wrenn GA PE 25565 Printed Name and GA PE/PG Number Signature and Stamp May 6, 2013 Date 	**Appendix E**	

ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)

PROPERTY INFORMATION			
TAX PARCEL ID	T046 002	PROPERTY SIZE (ACRES)	4.22
PROPERTY ADDRESS	Emerson O Bynes Avenue		
CITY	Tifton	COUNTY	Tift
STATE	Georgia	ZIPCODE	31794
LATITUDE (decimal format)	31.441250	LONGITUDE (decimal format)	-83.510556
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	All Saints, Inc.	PHONE #	
MAILING ADDRESS	P.O. Box 1733		
CITY	Tifton	STATE/ZIPCODE	Georgia 31794

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

2.0 SITE BACKGROUND

2.1 Property Description

The SoGreen Former Waste Pile (SoGreen) Site is listed on the Hazardous Site Inventory as HSI No. 10143. It is comprised of the SoGreen Parcel and the Barren Area ("Barren Area") Parcel in Tifton, Tift County, Georgia (**Figure 1**). The SoGreen Parcel is located on approximately 9.65 acres on Roswell Drive and the Barren Area is located on approximately 6.62 acres on Emerson O. Bynes Avenue (**Figure 2**). The geographic coordinates of the SoGreen Parcel are 31° 26‘ 32“ North latitude, 83° 30‘ 38“ West longitude and the geographic coordinates of the Barren Area are 31° 26‘ 28.5“ North latitude, 83° 30‘ 38“ West longitude, United States Geologic Survey (USGS) Topographic Quadrangle, Tifton West, Georgia. The ground surface elevation of the former SoGreen Parcel ranges from approximately 335 feet in the southern portion of the site to approximately 330 feet in the northwestern portion of the site (North American Vertical Datum of 1988 [NAVD]). The ground surface elevation of the Barren Area is approximately 340 feet. The surrounding area consists of moderately populated residential areas with some industrial and commercial areas. A legal description and plat map are included in **Appendix A**.

2.2 Site History

Prior to operations on the property by Herman Parramore (Parramore) and the SoGreen Corporation (owned by Parramore) in the mid to late 1970s, the SoGreen Parcel was reportedly used by the Georgia Gypsum Corporation to receive gypsum materials from companies, including Occidental Chemical. The use of the Barren Area prior to Parramore’s operation at the adjacent SoGreen property is unknown.

The SoGreen Site was operated by Parramore and the SoGreen Corporation ostensibly for formulating and distributing micronutrient fertilizer from the mid to late 1970s until early 1987. As a part of this operation, SoGreen Corporation obtained electric arc furnace (EAF) emission control dust from various steel companies and stored it on-site for recycling into fertilizer. EAF dust was reportedly utilized due to its high zinc content, a micronutrient for plants. In the early 1980s, EAF dust became a RCRA listed hazardous waste, K061, with an exemption related to its use as a fertilizer.

Between 1983 and 1984, SoGreen Corporation applied for and obtained from EPD a permit to store EAF dust inside the facility’s warehouse. Between 1986 and 1987, EPD inspections found SoGreen in violation of portions of the permit. The SoGreen Corporation failed to address the violations, resulting in the EPD-directed cessation of site operations in early 1987.

2.2.1 SoGreen Site Remediation Overview

EAF dust and impacted soil were removed from the SoGreen Parcel in work completed in the early 1990s in accordance with Consent Order EPD-HSR-003 as amended. A total of approximately 108,000 tons of EAF dust and related materials were stabilized on-site before being transported and disposed off-site. The Consent Order required the removal of all "visually identifiable" EAF dust and installation of a cap over the area, provided that soil remaining beneath the cap would not exceed Toxicity Characteristic Leaching Procedure (TCLP) levels (EPD-HSR-003, Condition 3). After removal of visually identifiable EAF dust, confirmation sampling was conducted on a grid

basis. Excavated areas were backfilled with clean soil and a RCRA-quality, geotextile and clay cap was installed over the SoGreen parcel. The area over the cap is grassed, routinely maintained, and surrounded by a chain-link security fence.

In connection with the removal of the EAF dust, metallic crushed drums were identified on the SoGreen Parcel. The drums were removed in the early to mid-1990s as part of the Site preparation for capping.

After the removal of EAF dust and related material, and prior to the installation of the cap, the warehouse structure at the SoGreen Parcel was demolished and its foundation removed. An underground storage tank (UST) was identified south of the former warehouse and subsequently removed prior to capping. The content of the UST was reportedly sampled and found to be water with trace concentrations of pesticides and metals. Five soil samples were collected and analyzed after removal of the UST and over-excavation of soil from around the UST was conducted. At EPD's request, the analyses included volatile and semi-volatile organic compounds. The results were below detection limits for all analytes in all five samples, with one exception. Bis (2-ethylhexly) phthalate was reportedly detected at a concentration below its respective HSRA NC in one of the five samples. As such, the UST excavation was backfilled in preparation for installation of the cap.

Various other locations for potential buried metallic debris were investigated via subsurface electromagnetic and ground penetrating radar surveys, and follow-up physical exploratory excavation. This investigation indicated that no other buried metallic debris was present.

During the EAF dust removal activities at the SoGreen Parcel, materials from the adjacent municipal landfill were observed to have been disposed and/or migrated beyond the landfill's borders onto parcels between the landfill's parcel and the SoGreen Parcel. Discolored leachate emanating from fill material associated with the landfill has reportedly been observed by both the EPD and representatives of the steel companies. Because investigation and/or remediation of municipal landfill impacts are not part of the steel companies' responsibility, no further actions on these leachate observations are known by the Applicant to have been undertaken.

2.2.2 Barren Area Remediation Overview

The parcel known as the Barren Area is located adjacent to and south of the SoGreen Parcel. 1990s sampling revealed metals consistent with EAF dust on the Barren Area, and additional investigations revealed material that appeared visually consistent with EAF on portions of the site. Historical aerial photography indicates that this area had been planted with crops during the time period that Parramore was in the fertilizer business. As such, it appears likely that Parramore applied EAF dust based fertilizer in this area for the purpose of crop experimentation or testing.

The discovery of these materials led to the negotiation and entry of Amendment Number 1 to Consent Order EPD-HSR-003 in the late 1990s. In accordance with the agreement, removal activities at the Barren Area were implemented to remove visually identifiable EAF dust and EAF dust-like materials with confirmation sampling conducted utilizing TCLP standards. The removal activities were jointly conducted by EPD and the steel companies on a cost-sharing basis, with approximately 17,000 tons of material excavated. The horizontal and vertical extent of EAF dust impacts was excavated and confirmation sampling was undertaken on a grid basis.

3.0 REGULATED SUBSTANCES

Results of these environmental assessment activities indicate that one or more releases of regulated substances to soil and groundwater has occurred at the Site.

3.1 Soil Impacts

The removal and capping of the SoGreen Parcel satisfies RRS for soil under Ga. Comp. R. & Regs. 391-3-19-.07(10)(a) and has been excavated to EPD-issued cleanup criteria indicated in Consent Order (EPD-HSR 003, Condition 3). At the Barren Area, data is not available to evaluate whether soils comply with applicable RRS using area averaging protocol available under the Act, because all reported data relates to TCLP information rather than totals.

3.2 Groundwater Impacts

Historical investigations targeted multiple constituents of concern (COC) in groundwater, including metals, pesticides, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs). A summary table including historical groundwater data and a figure depicting the sampling locations are included in **Appendix B**. Results of assessment activities between 2004 and 2011 indicate that metals, pesticides, and SVOC concentrations were relatively low. As such, VOCs have been the focus of subsequent investigations and are the recognized groundwater COCs. The most prominently detected VOCs in the most recent (2015) groundwater sampling are (concentrations are shown on **Figure 3**):

- Carbon tetrachloride
- cis-1,2-Dichloroethylene
- 1,1-Dichloroethane
- 1,1-Dichloroethene
- 1,2-Dichloroethane
- 1,2-Dichloroethylene
- Tetrachloroethylene (PCE)
- 1,1,1-Trichloroethane
- Trichloroethylene (TCE)
- Vinyl Chloride

Based upon historical Site assessments, chlorinated VOCs represent the most significant COCs in groundwater at the Site and/or vicinity. However, it has previously been concluded that these impacts more-likely than-not emanate from off-site (TetraTech, 2011). Specifically, the highest concentration of PCE has been identified in the northernmost corner of the Site, adjacent to the former landfill, and the highest concentration of carbon tetrachloride has been identified off-site to the northwest, between the Site and the creek. Additional investigation activities are proposed to assess from where these COCs emanate, the details of which are presented in Section 5.3 and **Appendix C**.

4.0 CONCEPTUAL SITE MODEL

A Conceptual Site Model (CSM) has been prepared using the data obtained during historical investigative activities at the Site. The CSM is graphically presented in **Figures 4A and 4B**.

4.1 Geology

Historical well boring data indicate that the Site is underlain by three sedimentary units described, in descending order, as follows:

- Unit I – Water-bearing unit generally consisting of silts, clays, and silty to clayey sands with some sand and gravel layers and cemented sand layers. This unit ranges in thickness from approximately 25 feet to 46 feet across the Parcels.
- Unit II – Semi confining unit generally consisting of a medium stiff to very stiff silt and ranges in thickness from approximately 2 feet to 5 feet across the Parcels.
- Unit III – Water-bearing unit and generally consisting of sand, silts, clays, silty sands and clayey sands. The thickness of this unit has not been defined at the Parcels.

The composition and thickness of these units vary across the Site. The defining characteristics that segregate the units are the dense silts and higher clay content of Unit II. Unit I and Unit III have a lower clay content, predominantly classified as silty sands, and are water bearing units, each with a likely distinctive potentiometric surface (TetraTech, 2011).

4.2 Hydrogeology

Groundwater at the Site occurs in two zones: a shallow water-bearing zone in Unit I and a deeper water bearing zone in Unit III. The shallow water-bearing zone in Unit I is divided into two sub-units, a shallow horizon (Unit I A-1) and a deeper horizon (Unit I A-2). Based on groundwater elevation data collected from monitoring wells installed during multiple investigations from 1990 through 2011, the two potentiometric surfaces of each Unit I and Unit III appear to be continuous across the Site (TetraTech, 2011).

Shallow (Unit I) and deeper (Unit III) aquifer potentiometric surface maps based on existing data are presented as **Figure 5A** and **Figure 5B**, respectively. The groundwater flow direction in both water-bearing zones is generally to the north to northwest toward a small creek west of the Site. Another small drainage feature is located to the east between the SoGreen Site and the former municipal landfill (see figure in **Appendix C**) and empties into the creek. Beaver activity occasionally impounds water in this drainage feature. Historical reports indicate that some portion of water in Unit I may enter the creek, but based on the groundwater elevations in Unit III, the groundwater from this deeper unit likely does not enter the creek at all. The Creek is identified as intermittent on the USGS Topographic Quadrangle (**Figure 1**). The horizontal groundwater gradient in Unit I has been calculated to be approximately 0.022 feet/foot across the Site toward the creek and the horizontal gradient in Unit III has been calculated to be approximately 0.005 feet/foot. The potentiometric surface in Unit III is consistently deeper than the potentiometric surface in Unit I, indicating a vertically downward gradient. The difference in the elevations of the two potentiometric surfaces range from approximately 15 to 27 feet and do not appear to converge (TetraTech, 2011).

4.3 Potential Receptors and Exposure Pathways

The information presented in this section is compiled from existing data.

4.3.1 Water Usage

There are no private or public potable water supply wells located on the Site. Five off-site water supply wells were identified and sampled in 1995 for inorganic constituents. No impacts above US EPA Maximum Contaminant Levels (MCLs) were identified in these wells. Because no drinking water wells exist near the groundwater impacts known to emanate at or from the SoGreen Site, the potential for exposure to such impacts through drinking water wells is regarded as very low.

4.3.2 Environmental Receptors

The Site is currently vacant and located in a mixed residential and industrial/commercial developed area. As such, the only human health soil exposure pathway of even theoretical relevance is a generic trespasser. Areas of undeveloped vegetated land are present to the north and east, and are potentially subject to further development. A creek is present in the northwest of the Site. The undeveloped vegetated areas and the creek are suitable for plant life.

The general topography and drainage patterns at the Site are presented on **Figure 1**. The topography of the Site generally slopes to the northwest toward a small creek located to the northwest of the Site. Some runoff from the Site may drain to the creek. The creek flows in a southwesterly direction and joins another tributary approximately ¾-mile downstream from the Site. The creek likely serves as the nearest discharge boundary for some shallow (Unit I) groundwater.

Based upon the existing analytical data, likely source locations, depth to groundwater, and the distance to potential groundwater and surface water receptors, exposure pathways to environmental receptors above applicable standards from impact known to emanate from the Site currently appear incomplete and are likely to remain so for the foreseeable future.

4.4 Environmental Cleanup Standards

Soil impacts were addressed in compliance with EPD's Consent Order EPD-HSR-003. Moving forward under the Act, it is expected that Type 3 or 4 RRS (non-residential) will apply to groundwater impacts emanating from the Site. Such impacts are not expected to cause surface water concentrations in excess of Georgia In-Stream Water Quality Criteria.

4.4.1 Soil Criteria

Approximately 125,000 tons of impacted soils were excavated in the 1990s at the SoGreen and Barren Area based upon the cleanup criteria in the EPD's Consent Order EPD-HSR-003. This included the removal of "visually identifiable" EAF dust and related material with confirmation sampling conducted on a grid basis utilizing TCLP standards.

The removal and capping of the SoGreen Parcel satisfies RRS for soil under Ga. Comp. R. & Regs. 391-3-19-.07(10)(a) and has been excavated to EPD-issued cleanup criteria indicated in Consent Order (EPD-HSR 003, Condition 3). At the Barren Area, data is not available to evaluate whether soils comply with applicable RRS using area averaging concepts available under the Act, because all reported data relates to TCLP information rather than totals. A work plan is referenced in Section 5.0 and **Appendix D** detailing the planned assessment of the Barren Area to collect

data to support this analysis. If necessary, cleanup standards will be determined following the completion of the assessment and evaluation of the data.

4.4.2 Groundwater Criteria

RRS will be calculated and used for groundwater impacts emanating from the Site. The RRS will be calculated after acceptance into the VRP and following a proposed groundwater assessment (discussed in Section 5.3.1). The higher of the Type 3 or 4 RRS is currently the presumptive standard, subject to considerations of practicability.

4.4.3 Surface Water Criteria

It is expected that neither soils nor groundwater impacts emanating from the Site will cause exceedances of Georgia In-Stream Water Quality Criteria.

5.0 PROPOSED VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

It is the Applicant's objective to remove the Site properties from the HSI through implementation of an efficient voluntary investigation and remediation plan that is protective of human health and the environment. This section outlines the proposed actions anticipated to satisfy the requirements set forth in the Georgia Voluntary Remediation Program Act.

5.1 Exposure Pathways

Five potential exposure routes generally exist at impacted facilities. These include:

- Inhalation
- Ingestion
- Contact with impacted soil
- Contact with impacted surface water
- Contact with impacted groundwater

Inhalation of VOCs by vapor intrusion is not currently considered a concern, as the Site is currently unoccupied and no structures or buildings exist on-site. Should future development of the property include the existence of structure(s), vapor intrusion evaluation and mitigation may need to be considered. However, the incomplete pathway for vapor intrusion may be maintained through the execution of a covenant restricting the use of the property in conformance with the Georgia Uniform Environmental Covenants Act.

Impacted soils at the Site have been excavated to standards set by EPD under HSRA, and available data indicates remaining soils are in compliance with RRS (except with respect to the Barren Area as noted above), thus contact with soil would not present unacceptable exposure. The past removal of the soils also reduces or eliminates potential inhalation and ingestion pathways from soil at the Site.

The surface water in the creek likely interacts with some shallow groundwater; however, based on the groundwater flow direction and the horizontal extent of impacted groundwater, any impacted groundwater emanating from the Site is not known to reach the creek. Regardless, a surface water monitoring point will be established, provided the creek has sufficient water and flow during monitoring periods, to serve as a Point of Demonstration (POD) to monitor remediation activities and further demonstrate protection of human health and the environment.

Groundwater data show that impacts have remained relatively stable and reductive dechlorination is occurring. Furthermore, no source of chlorinated VOCs has been identified on-site, and the impacts may emanate from off-site sources. Groundwater at the Site is not currently being utilized for any purpose other than monitoring. As discussed above, the groundwater exposure pathway on-site is currently incomplete. The incomplete pathway for groundwater is anticipated to be maintained through the execution of a covenant restricting the use of groundwater at the Site in conformance with the Georgia Uniform Environmental Covenants Act. Contaminant fate-and-transport modeling has not been completed, but will be conducted after acceptance into the VRP and completion of additional investigation and evaluation of remedial approaches. A POD well (or

wells) will be designated and subsequently monitored to check the predictions of the contaminant fate-and-transport modeling.

5.2 Soil Investigation

A soil investigation is proposed to gather sufficient data to support area averaging protocol available under the Act to be applied to the Barren Area.

A geostatistical analysis was completed to develop a sampling design scheme for the soil investigation. In general, the sampling design was based upon the following criteria:

- Variography-based sample spacing;
- Minimum sample sizes that allow for statistical significance; and,
- Sufficient spatial variability to support future geostatistical kriging.

The resulting sampling design scheme for the Barren Area includes a total of 36 soil samples. This includes 31 grid samples at a spacing of approximately 75 feet and 5 random samples (represented as systematic 75-ft square blocks). The samples will be collected and analyzed as follows:

- Each random and systematic block sample will be collected as a 4-quadrant aliquot composite
- The sample depth intervals will include 0 to 1-ft and 1 to 2-ft (two composite samples per block)
- The soil samples will be collected in accordance with the following USEPA guidance:
    - EPA SESDPROC-205-R3 – Field Equipment Cleaning and Decontamination
    - EPA SESDPROC-202-R3 – Management of Investigation Derived Waste
    - EPA SESDPROC-209-R3 – Packing, Marking, Labeling and Shipping of Environmental and Waste Samples
    - SESDPROC-300-R3 – Soil Sampling
    - SESDPROC-011-R4 0 Field Sampling Quality Control
- The soil samples will be analyzed using US EPA SW-846 Methods:
    - Method 6010 (COC metals)
    - Method 8081 (COC pesticides)

The complete proposed soil investigation plan, previously approved by EPD in their letter dated June 30, 2016, is included in **Appendix D**.

5.3 Hydrology Investigation

Elevated concentrations of chlorinated VOCs have been identified at locations on the SoGreen Parcel and vicinity that indicate possible off-site sources, as discussed above. As such, an investigation is proposed to further assess the hydrology to support a more definite determination of who may have responsibility for the VOC impacts. In certain locations groundwater quality related to these impacts will also be assessed. Specifically, the data proposed for collection during this investigation relates to the chlorinated VOC impacts (tetrachloroethylene being the most significant) in the northeast corner of the Site adjacent to the landfill and the off-site carbon tetrachloride impact between the Site and the creek (northwest of the Site).

The scope of the investigation includes installation of up to four piezometers and ten staff gauges in the landfill corner to better define groundwater flow direction and installation of two monitoring well couplets (a total of four wells), with one well screened in Unit I and the other screened in Unit III in each couplet, to evaluate the carbon tetrachloride concentrations beneath the SoGreen Parcel cap. Groundwater samples will be collected from the four new monitoring wells using low flow/low stress purging methodology (as described in Section 5.4.1) and analyzed for VOCs via Method 8260. Two existing monitoring wells, W7A and W7B, which have historically exhibited the highest concentrations, will be sampled at the same time for comparison.

The complete proposed investigation plan, previously reviewed and subsequently approved by EPD in their letter dated June 30, 2016, is included in **Appendix C**. It should be noted that EPD's approval letter also recommended sampling piezometers installed on the adjacent Tift County landfill property to the east. The landfill piezometers will be sampled if access for that activity is obtained.

5.4 Groundwater Assessment

Groundwater sampling performed between 2011 and 2015 indicated the presence of VOCs, primarily chlorinated VOCs above RRS. The data collected during this time indicate that reductive dechlorination may be occurring, particularly in the shallow groundwater zone at the Site. Therefore, Monitored Natural Attenuation (MNA), possibly with the additional use of an enhancement substrate (such as a supplemental carbon source), if necessary, may be an appropriate remedial approach in addressing groundwater impacts emanating from the Site. However, further groundwater remedial considerations will be made after acceptance into the VRP and evaluation of data from the supplemental groundwater sampling described herein. In order to facilitate a final remedial approach, current groundwater conditions should be evaluated and therefore, a groundwater sampling event is warranted to evaluate ongoing MNA.

5.4.1 Updated Groundwater Sampling Event

The most recent VOC data was collected in 2015 and another relatively broad groundwater sampling event is proposed to update current groundwater conditions at the Site. Once the data from this event is evaluated and compared with historical data, potential final remedial approaches will be evaluated for groundwater emanating from the Site. At minimum, a monitoring network will be established from certain existing wells and semi-annual groundwater sampling will be conducted to monitor VOC concentrations in groundwater for an appropriate period of time.

Accordingly, the Applicant proposes to collect groundwater samples from those monitoring wells that have exhibited elevated concentrations of VOCs in the past. The majority of these wells are in the northern portion of the site, and include wells screened in both the shallow (Unit I) and deeper (Unit III) aquifers.

The groundwater samples will be collected using low flow/low stress purging methodology employing a peristaltic pump to purge the monitoring wells in general accordance with USEPA Region 4 Science and Ecosystem Support Division (SESD) Groundwater Sampling Procedure SESDPROC-301-R3 (March 2013). The samples will be collected using a peristaltic pump by means of the "soda-straw" method as described in SESD 4.3.1.2.7, shipped overnight to an approved environmental laboratory under chain of custody protocols, and analyzed for VOCs using

USEPA Method 8260B. Prior to collecting groundwater samples, the depth to water will measured in all accessible site monitoring wells.

5.4.2 Monitored Natural Attenuation Evaluation

The USEPA Technical Protocol recommends a screening method be used to assign a score for potential MNA sites based on weighted values of indicator parameters that meet conditions conducive to MNA. These screening parameters include, but are not limited to: dissolved oxygen, nitrate, iron (II), sulfate, sulfide, oxidation reduction potential, pH, total organic carbon, temperature, carbon dioxide, alkalinity, and chloride.

Based on the groundwater data collected between 2011 and 2015, MNA may be a viable remedial strategy to address groundwater impacts at the Site. Therefore, in addition to collecting groundwater samples for VOC analysis, the Applicant proposes to collect groundwater samples from select wells for analysis of MNA screening parameters to further evaluate the potential effectiveness of MNA at the Site.

5.4.3 Fate and Transport Modeling

Contaminant fate-and-transport modeling has not been conducted at this time, but will be conducted to the extent provided for under the Consent Order after acceptance into the VRP and completion of the proposed investigations described above, which will provide additional data for model calibration, and evaluation of the current groundwater conditions. The objective will be to evaluate the extent to which impacted groundwater emanating from the Site may migrate. The modeling will also be used to designate POD wells that would be used to check the model predictions.

As chlorinated VOCs generally exhibit the highest concentrations in the plume, the BIOCHLOR model (USEPA, 2000) will be used as the tool to predict contaminant migration. BIOCHLOR input values will be based on site-specific characteristics, laboratory data, and referenced literature. The model will be calibrated to represent the site characteristics to predict future site conditions as closely as is possible. Upon completion of the fate and transport modeling, if necessary, the CSM will be updated.

6.0 CONTINUED MONITORING PLAN AND SCHEDULE

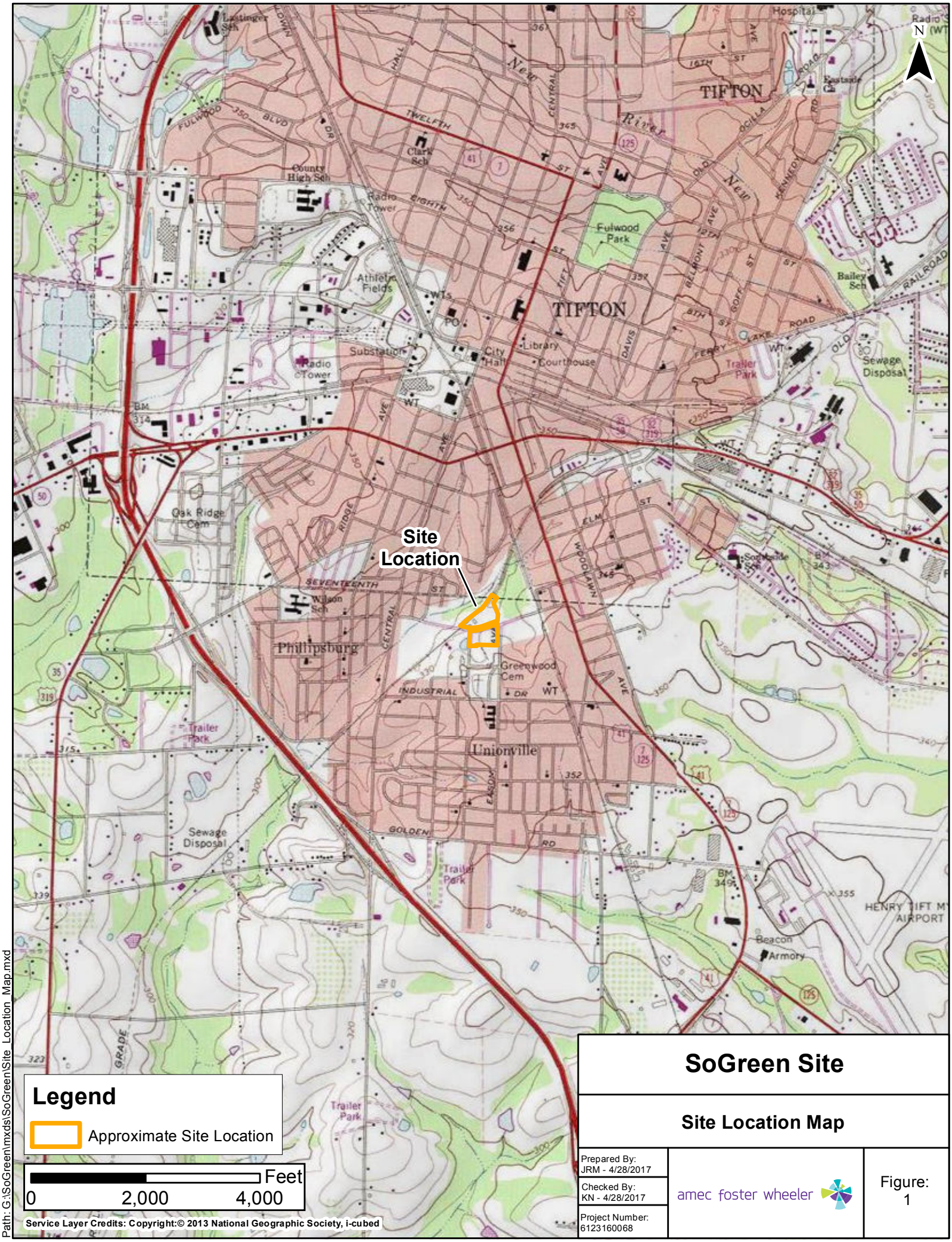
Following both the acceptance of this VRP application and agreement between the Applicant and EPD to a Consent Order setting forth a schedule for the Applicant's activities under the VRP, the Applicant will proceed with the proposed activities on a timeline consistent with the requirements of the Consent Order.

7.0 REFERENCES

Mowrey Meezan Coddington Cloud LLP, 2011. SoGreen-Related Sites Remediation History Overview, September 2.

Tetra Tech EC, Inc., 2011. Groundwater Investigation Compendium, SoGreen, Parramore Fertilizer and Barren Area Sites, Tift County, Tifton, Georgia, September.

FIGURES



SoGreen Site

Site Location Map

Prepared By: JRM - 4/28/2017	amec foster wheeler	Figure: 1
Checked By: KN - 4/28/2017		
Project Number: 6123160068		


N
SoGreen
Barren Area
Legend
Approximate Site Location
Feet
0
150
300
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
SoGreen Site
Subject Property Map
Prepared By: JRM - 4/28/2017
Checked By: KN - 4/28/2017
Project Number: 6123160068
amec foster wheeler
Figure: 2
Path: G:\SoGreen\mxds\SoGreenAerial_SoGreen.mxd

W2A-R	µg/L
cis-1,2-Dichloroethylene	6.4
1,2-Dichloroethylene	6.4
Tetrachloroethylene	410
Trichloroethylene	1.6 J

PZ-4	µg/L
Benzene	4.2 J
Chlorobenzene	3.1 J
cis-1,2-Dichloroethylene	1,100
1,1-Dichloroethane	1.6 J
1,1-Dichloroethylene	7.4
1,2-Dichloroethane	2.3 J
1,2-Dichloroethylene	1,100
Ethylbenzene	0.39 J
Tetrachloroethylene	300
Toluene	1.6 J
trans-1,2-Dichloroethylene	30
Trichloroethylene	53
Vinyl chloride	1,700
Xylenes	3 J

W39A-2	µg/L
1,1-Dichloroethylene	2,500
Tetrachloroethylene	150,000

W10A	µg/L
Chloroform	8.3
cis-1,2-Dichloroethylene	17
1,2-Dichloroethylene	17
Methylene chloride	1.6 J
Tetrachloroethylene	97
Trichloroethylene	6.6

W39A-1	µg/L
cis-1,2-Dichloroethylene	1,200
1,1-Dichloroethane	2.2 J
1,1-Dichloroethylene	6
1,2-Dichloroethylene	1,200
Ethylbenzene	1.2 J
Tetrachloroethylene	410
Toluene	4.6 J
trans-1,2-Dichloroethylene	9.4
1,1,1-Trichloroethane	2.3 J
Trichloroethylene	760
Vinyl chloride	200

W29A	µg/L
Carbon tetrachloride	15
Chloroform	6.3
Tetrachloroethylene	17

SoGreen

Barren Area

W30A	µg/L
cis-1,2-Dichloroethylene	12
1,2-Dichloroethylene	15
Tetrachloroethylene	2.5 J
Toluene	0.66 J
trans-1,2-Dichloroethylene	2.6 J
Trichloroethylene	2.4 J
Vinyl chloride	23

W7B	µg/L
Carbon tetrachloride	1,100
Chloroform	400
Methylene chloride	7.7

W7A	µg/L
Carbon tetrachloride	1,100
Chloroform	340
Tetrachloroethylene	1.7 J

N

Legend

- Groundwater Monitoring Well
- Approximate Site Location

Feet

0 200 400

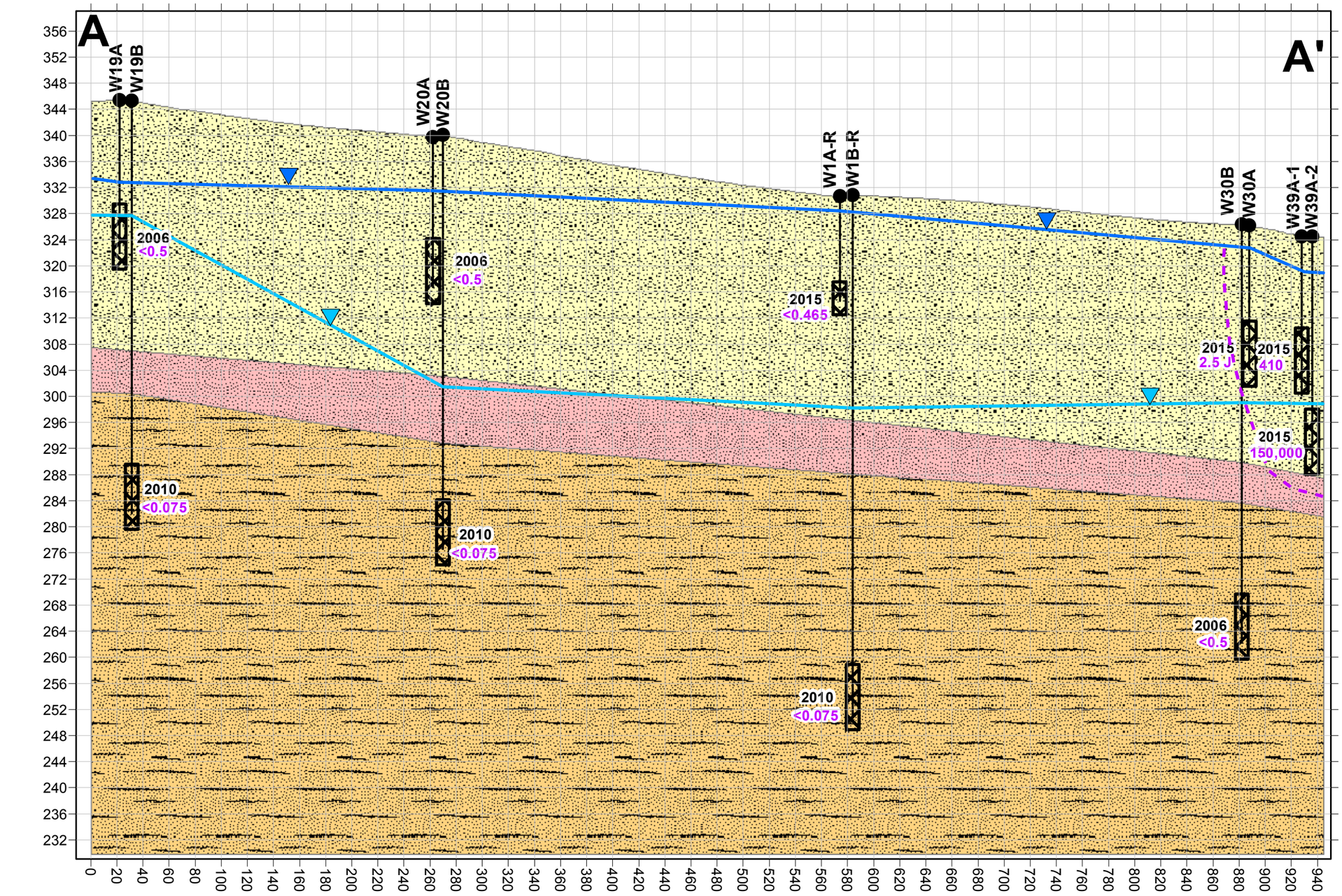
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

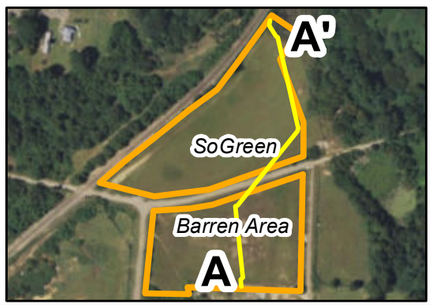
Path: G:\SoGreen\mxds\SoGreen\SoGreen_VOCs_in_GW_Chemboxes.mxd

SoGreen Site

VOCs in Groundwater - 2015

Prepared By: JRM - 4/28/2017	amec foster wheeler	Figure: 3
Checked By: KN - 4/28/2017		
Project Number: 6123160068		





Legend

Well

Screen

Unit I

Unit II

Unit III

Unit I Potentiometric Surface

Unit III Potentiometric Surface

Approximate extents of PCE concentrations from samples collected between 2006 and 2015

2006 The most recent data is noted by the year indicated.

<0.075 Concentrations are provided in micrograms per liter (ug/L).

SoGreen Site

Cross Section A-A'

Prepared By: THP - 4/28/2017	amec foster wheeler
Checked By: KN - 4/28/2017	Figure: 4A
Project Number: 6123160068	

Path: G:\SoGreen\mxds\SoGreen\SoGreen_sectAA.mxd

B

B'

W13A
W13B
W6A
W7B
W7A
W1A-R
W1B-R
W24B
W24A

2009
<0.075
<0.25

2015
1.7 J
1,100

2015
<0.465
<0.21

2010
<0.075
<0.25

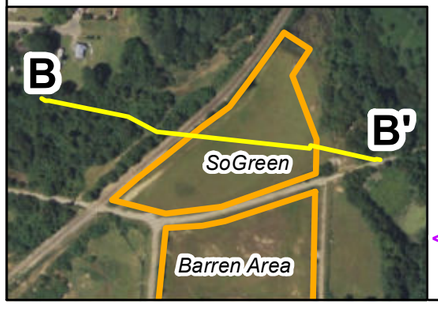
2013
<2.5
<2.5

2015
<0.465
1,100

2013
<2.5
<2.5

2010
<0.075
<0.25

2006
<0.5
<0.5



Legend

- Well
- Screen
- Unit I
- Unit II
- Unit III
- Unit I Potentiometric Surface
- Unit III Potentiometric Surface
- Approximate extents of tetrachloroethylene concentrations from samples collected between 2009 and 2015
- Approximate extents of carbon tetrachloride concentrations from samples collected between 2009 and 2015

2013 The most recent data is noted by the year indicated.

<0.075 Tetrachloroethylene concentrations are provided in micrograms per liter (ug/L).

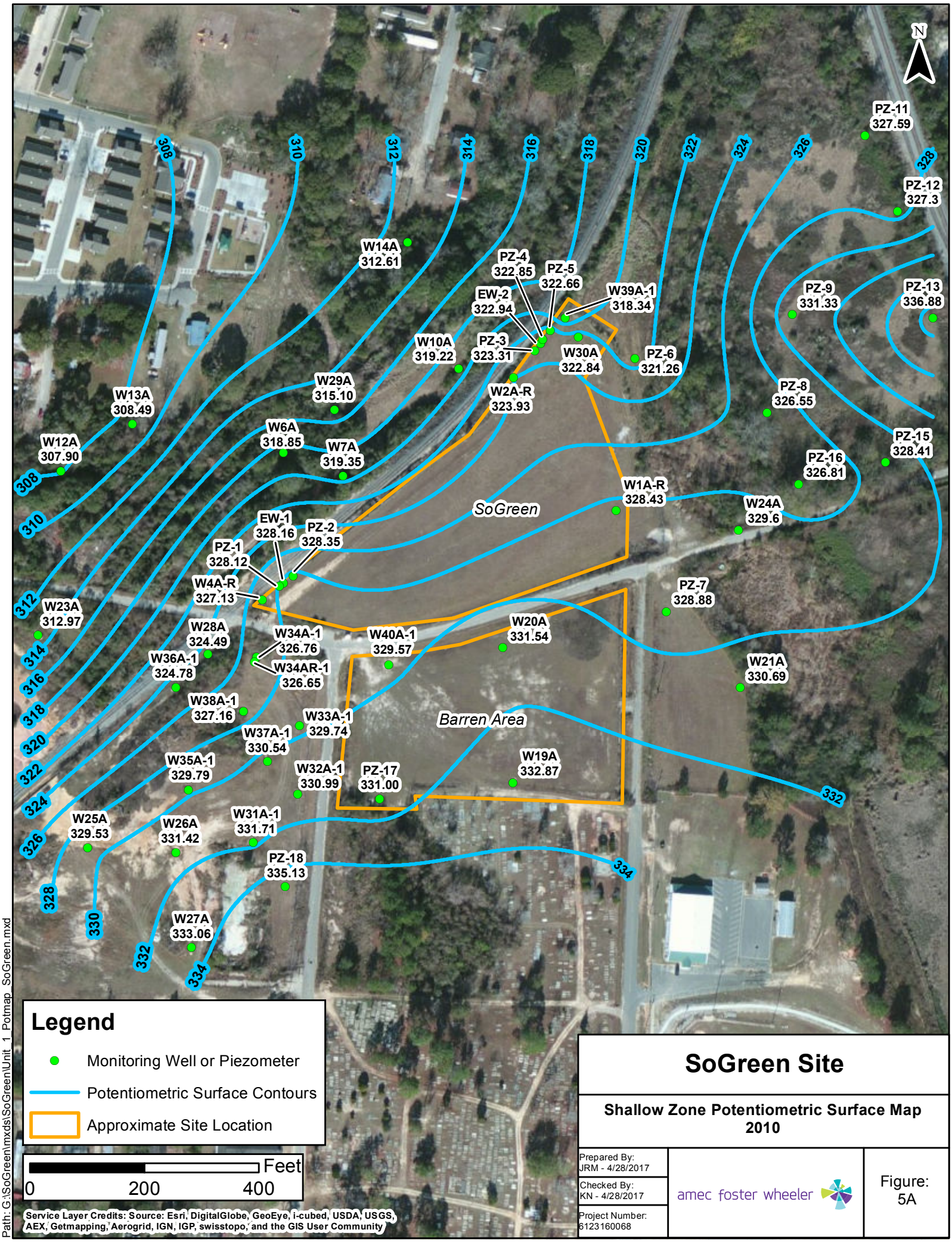
<0.5 Carbon tetrachloride concentrations are provided in micrograms per liter (ug/L).

SoGreen Site

Cross Section B-B'

Prepared By: THP - 4/28/2017	amec foster wheeler	Figure: 4B
Checked By: KN - 4/28/2017		
Project Number: 6123160068		

Path: G:\SoGreen\mxds\SoGreen\SoGreen_sectBB.mxd



Legend

- Monitoring Well or Piezometer
- Potentiometric Surface Contours
- Approximate Site Location

Feet
0 200 400

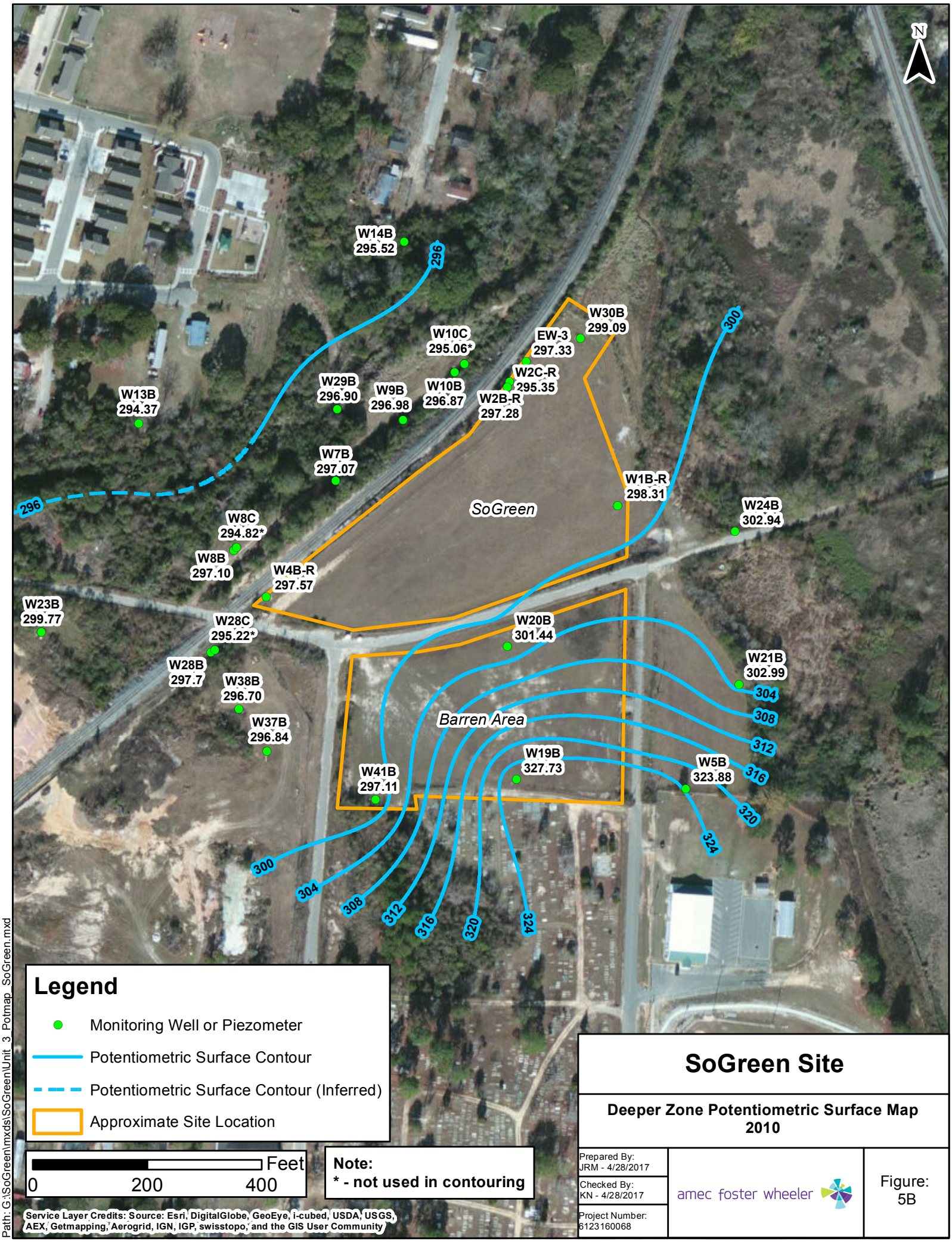
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

SoGreen Site

Shallow Zone Potentiometric Surface Map 2010

Prepared By: JRM - 4/28/2017	amec foster wheeler	Figure: 5A
Checked By: KN - 4/28/2017		
Project Number: 6123160068		

Path: G:\SoGreen\mxds\SoGreenUnit_1_Potmap_SoGreen.mxd



Legend

- Monitoring Well or Piezometer
- Potentiometric Surface Contour
- Potentiometric Surface Contour (Inferred)
- Approximate Site Location

Feet
0 200 400

Note:
*** - not used in contouring**

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

SoGreen Site

Deeper Zone Potentiometric Surface Map 2010

Prepared By: JRM - 4/28/2017	amec foster wheeler	Figure: 5B
Checked By: KN - 4/28/2017		
Project Number: 6123160068		

Path: G:\SoGreen\mxds\SoGreen\Unit_3_Potmap_SoGreen.mxd

APPENDIX A

PROPERTY LEGAL DESCRIPTIONS AND ACCESS AGREEMENTS

Legend

Approximate Parcel Boundary

Feet
0 150 300

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

SoGreen Site

Tax Parcel Identification Map

Prepared By: JRM - 4/28/2017	amec foster wheeler	Figure: A
Checked By: KN - 4/28/2017		
Project Number: 6123160068		

Path: G:\SoGreen\mxds\SoGreen\SoGreen_Tax_Map_Aerial.mxd

Filed 12-19 1977 Recorded 12-19 1977 John T. Lindsey, CSC 18340-RX

VOL. 176 PAGE 344

THIS DEED, Made this 11th day of November, A.D., 1977, between SEABOARD COAST LINE RAILROAD COMPANY, a Virginia corporation, hereinafter called "Grantor"; and ARIES ALPHA, INC., a Georgia corporation, hereinafter called "Grantee"; and UNITED STATES TRUST COMPANY OF NEW YORK, Corporate Trustee under the First (formerly General) Mortgage dated March 1, 1950, made by the former Atlantic Coast Line Railroad Company, to which Seaboard Coast Line Railroad Company is successor by merger, and CHEMICAL BANK, Corporate Trustee under the Consolidated Mortgage dated as of March 15, 1971, made by Seaboard Coast Line Railroad Company, hereinafter called "Trustees";

(Wherever used herein, the terms "Grantor" and "Grantee" shall be construed in the singular or plural as the context may require or admit and shall include the heirs, legal representatives and assigns of individuals and the successors and assigns of corporations.)

WITNESSETH: That Grantor, for and in consideration of the sum of Twenty Eight Thousand Seven Hundred Thirteen and 62/100 Dollars ($28,713.62) to it in hand paid by Grantee, the receipt of which is hereby acknowledged, has granted, bargained and sold, and by these presents does grant, bargain, sell and convey unto Grantee that certain tract or parcel of land situate, lying and being at Tifton, County of Tift, State of Georgia, and described as follows, to wit:

Beginning at an iron pin set in the southeasterly line of Booker Street located South 01° 00' 00" East 131.51 feet from an iron pin set in Grantor's southeasterly property line located 100 feet southeasterly, measured at right angles, from the center line of Grantor's old W.D. main line track; thence North 01° 00' 00" West 131.51 feet to said iron pin set in Grantor's southerly property line; thence South 48° 30' 00" West 78.91 feet to an iron pin; thence North 41° 30' 00" West 76.50 feet to an iron pin located 23.5 feet southeasterly, measured at right angles, from said center line; thence North 48° 30' 00" East 251.60 feet to an iron pin; thence northeastwardly along a curve to the left, chord bearing North 40° 27' 36" East and distance of 407.26 feet, an arc distance of 408.60 feet to an iron pin; thence South 57° 34' 48" East 101.50 feet to an iron pin; thence southwardly, along a curve to the right, chord bearing of South 34° 13' 22" West and distance of 97.98 feet, an arc distance of 98.0 feet to an iron pin; thence South 21° 57' 44" East 87.67 feet to an iron pin; thence southwestwardly along a curve to the right, chord bearing of South 43° 04' 42" West and distance of 308.47 feet, an arc distance of 308.93 feet to an iron pin; thence South 48° 30' 00" West 258.10 feet to the point of beginning; containing 2.50 acres, more or less, and being shown on print of survey prepared by Tommy R. Taylor, dated September 10, 1977, which print is attached hereto and made a part hereof.

TOGETHER with all and singular the rights, members, hereditaments and appurtenances to said premises belonging or in anywise incident or appertaining.

TO HAVE AND TO HOLD said premises unto Grantee in fee simple forever; SUBJECT, However, to reservations, conditions, restrictions and easements of record, including, but not limited to, an existing roadway located across the southeasterly portion of the above described property.

Except as to the matters referred to in the preceding paragraph, Grantor hereby binds itself that the premises are free from encumbrances, that it is seized of said premises in fee and that it will fully warrant and forever defend all and singular said premises unto Grantee against Grantor and all other persons lawfully claiming or to claim the same or any part thereof.

Paid $ 31.— Date 12-19-77 John T. Lindsey

This instrument prepared by ... 500 Water Street, Jacksonville, Fla.

RECEIVED TIFT COUNTY CLERK'S OFFICE 1977 DEC 19 ... JOHN T. LINDSEY CLERK

Grantee, by acceptance of this deed, hereby agrees to construct and maintain, in accordance with all applicable statutes, ordinances, building codes, subdivision covenants and restrictions, an adequate roof and surface drainage system from the land hereinabove conveyed to the nearest drainage or storm sewer system in order to prevent the discharging of roof, surface and other drainage waters upon the right of way or lands and other facilities or properties of Grantor. The covenant of Grantee to construct and maintain such a drainage system shall be construed as a perpetual covenant running with the land hereinabove conveyed, and shall be binding upon Grantee or anyone claiming title to or holding said property through Grantee.

The property hereinabove conveyed is subject to the lien of the First (formerly General) Mortgage made by the former Atlantic Coast Line Railroad Company, dated as of March 1, 1950, as supplemented and modified, under which mortgage United States Trust Company of New York is Corporate Trustee, and Trustee joins herein for the purpose of releasing and does hereby release the property hereinabove conveyed from the lien of said mortgage pursuant to the provisions of Section 6.01 of Article Six thereof.

The property hereinabove conveyed is subject also to the lien of the Consolidated Mortgage made by Seaboard Coast Line Railroad Company, dated as of March 15, 1971, as supplemented, under which mortgage Chemical Bank, a New York corporation, is Corporate Trustee and L. F. Sadler of Jacksonville, Florida, is Individual Trustee, and Corporate Trustee joins herein for the purpose of releasing and does hereby release the property hereinabove conveyed from the lien of said mortgage pursuant to the provisions of Section 5.17 of Article Five thereof; Individual Trustee being relieved of any obligation to join in such release by Section 10.06 of Article Ten of said mortgage.

The recitals of fact made herein are to be taken only as recitals made by Grantor and not by Trustees.

IN WITNESS WHEREOF Grantor and Trustees have caused these presents to be duly signed and sealed, the day and year first above written.

Signed, sealed and delivered
in the presence of:

E. C. Adams

J. A. Sutton
Notary Public

SEABOARD COAST LINE RAILROAD COMPANY

By J. W. Williams
Vice President

Attest: [illegible]
H. W. Martens Assistant Secretary

Notary Public, State of Florida at Large
My Commission Expires Oct. 2, 1979
Bonded by American Fire & Casualty Co.

Signed, sealed and delivered
in the presence of:

[illegible]

James E. Logan
Notary Public

JAMES E. LOGAN
Notary Public, State of New York
No. 24-7393229
Qualified in Kings County
Certificate filed in New York County
Commission Expires March 30, 1979

UNITED STATES TRUST COMPANY OF NEW YORK,
as Corporate Trustee as aforesaid.

By [illegible]
Vice President

Attest: [illegible]
Assistant Secretary

(Execution continued on Sheet 3)

Signed, sealed and delivered
in the presence of:

Notary Public

CHEMICAL BANK, as Corporate Trustee
as aforesaid.

By _____
Trust Officer

Attest: _____
C. G. ASSISTANT SECRETARY

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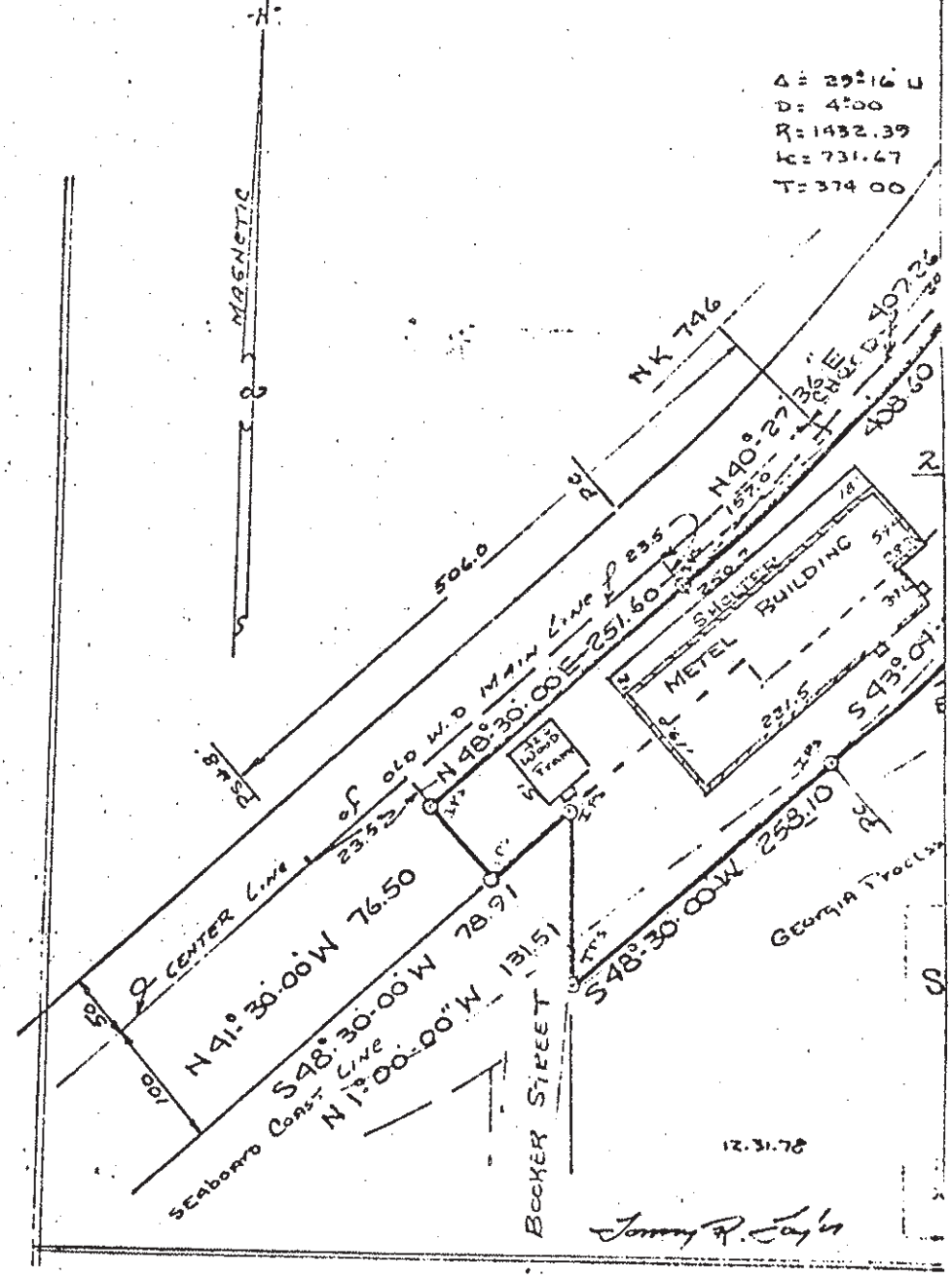

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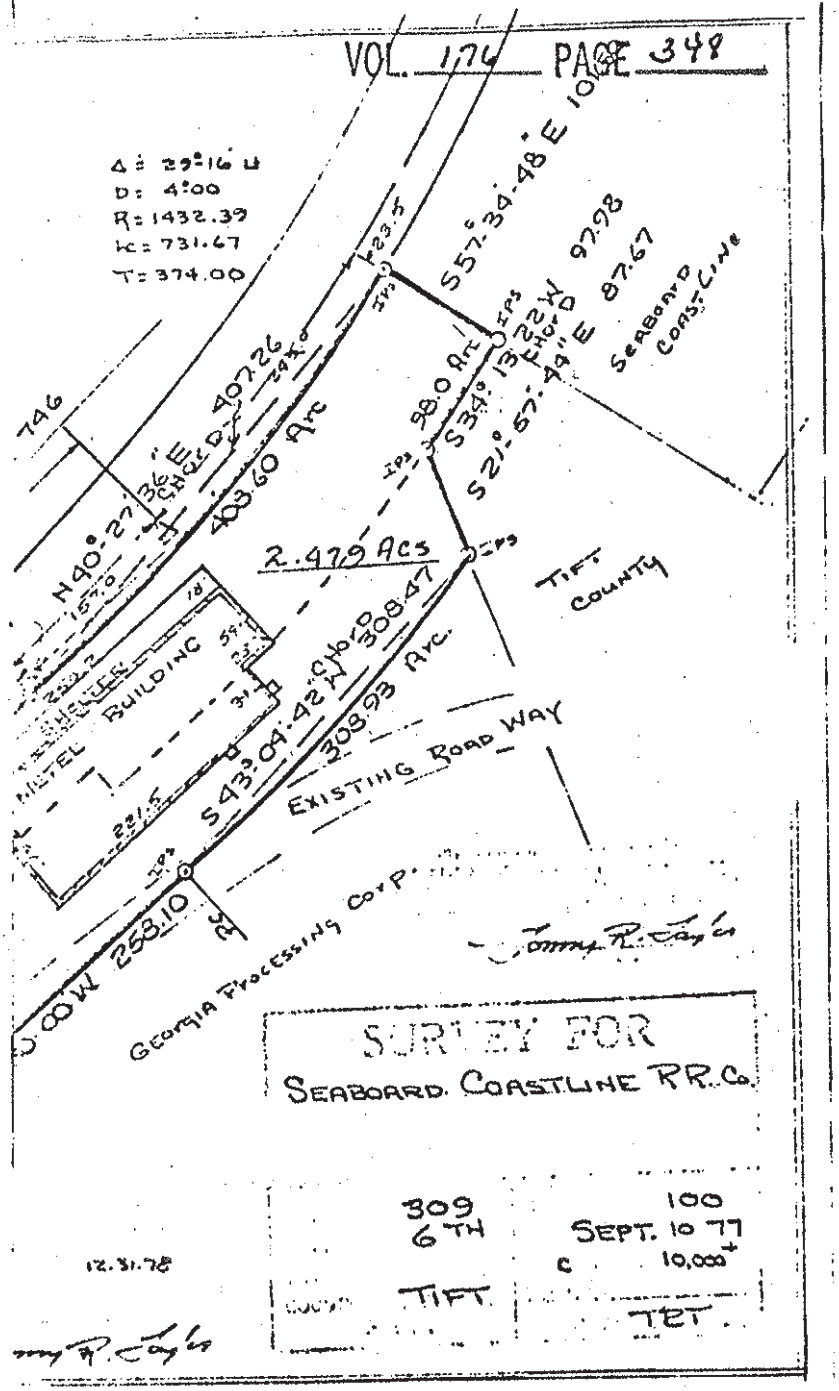

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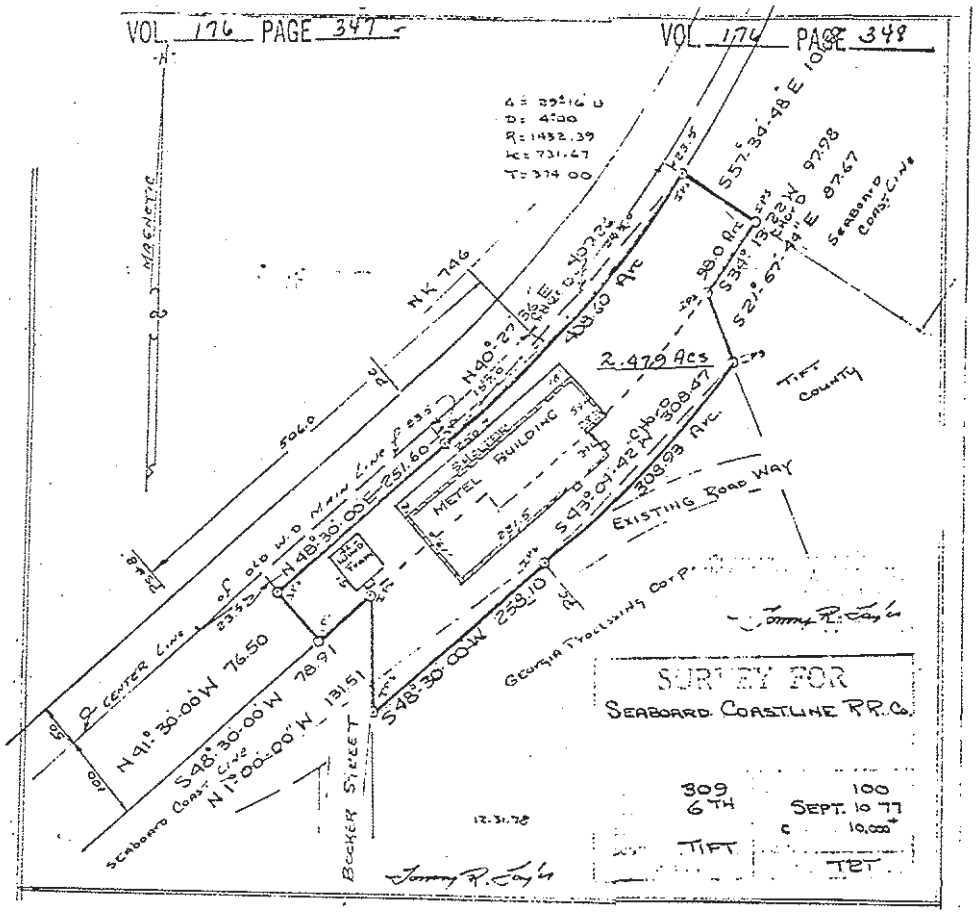


Filed 1-3 1984 Recorded 1-4 1984 John T. Lindsey, CSC VOL. 216 PAGE 825

REGULAR WARRANTY DEED

Prepared By SIMPSON & GRAY, Attorneys at Law

TIFTON, GEORGIA

State of Georgia, TIFT County

THIS INDENTURE, Made this day of November in the year One Thousand Nine Hundred and Eighty-Three between HERMAN W. PARRAMORE, JR. of the County of Tift and State of Georgia as grantor(s) and ALL SAINTS, INC., a Georgia Corporation of the County of Tift and State of Georgia as grantee(s):

WITNESSETH, That the said grantor(s) for and in consideration of the sum of $10.00 and other valuable consideration***DOLLARS, in hand paid at and before the sealing and delivery of these presents, the receipt and sufficiency of which is hereby acknowledged, by these presents grant(s), bargain(s), sell(s) and convey(s) unto the said grantee(s) and unto the heirs, successors and assigns of the grantee(s) the following described real property:

All that tract or parcel of land lying and being in Land 309 and 336 in the 6th Land District of Tift County, Georgia, being more particularly described as follows: BEGIN where the East right of way of Highland Avenue (formerly Booker Avenue) intersects with the South right of way of Maple Avenue; thence along the South right of way of Maple Avenue and in a Northeasterly direction along the arc of a curve 185.18 feet, said curve having a chord bearing of North 81° 43' 13" East 183.90 feet, with a radius of 454.66 feet; thence continuing along the South right of way of Maple Avenue North 70° 03' 08" East 304.53 feet to the West right of way of Eason Avenue; thence along the West right of way of Eason Avenue South 01° 19' 39" East 371.28 feet; thence South 89° 33' 58" West 359.92 feet; thence South 00° 26' 02" East 21.00 feet; thence South 89° 33' 58" West 129.73 feet to the East right of way of Highland Avenue (formerly Booker Avenue); thence along the East right of way of Highland Avenue North 02° 43' 24" East 265.81 feet to the point of beginning; all as shown on that plat of survey entitled "Survey for All Saints, Inc., dated 10/3/83, prepared by Hampton & Associates Surveying Co., and recorded in Deed Book 15, Page 122, office of the Clerk of Tift Superior Court.

FILED CLERK'S OFFICE 1984 JAN -3 PM 4:20 JOHN T. LINDSEY, CLERK

Tift County, Georgia
Real Estate Transfer Tax
Paid $ 7.00
Date 1-3-84
John T. Lindsey
Clerk of Superior Court

Together with all and singular the rights, members and appurtenances thereunto being, belonging and in any way appertaining.

TO HAVE AND TO HOLD the said premises to the grantee(s) and the heirs, successors and assigns of the grantee(s), absolutely and in fee simple forever.

And the said grantor(s), for the grantor(s) and the heirs, executor, administrators and successors of grantor(s), will warrant and forever defend the right and title to the premises unto the grantee(s) and the heirs, successors and assigns of the grantee(s), against the claims of all persons whomsoever and all entities whatsoever by virtue of these presents.

WITNESS the hand(s) and seal(s) of grantor(s), on this day and year first above written.

Signed, sealed and delivered in the presence of:

Ann W. Martin

Billie R. McDonald
Notary Public (SEAL) 11/14/85

Herman W. Parramore, Jr. (SEAL)
HERMAN W. PARRAMORE, JR.

(SEAL)

(SEAL)

FILE COPY

TAB 2

ALSTON&BIRD

One Atlantic Center
1201 West Peachtree Street
Atlanta, Georgia 30309-3424

404-881-7000
Fax: 404-881-7777 Telex 54-2996

Robert D. Mowrey
Direct Dial (404) 881-7242

April 21, 1994

VIA FEDERAL EXPRESS

Ralph F. Simpson, Esq.
Simpson & Gray
P. O. Drawer 1747
Tifton, Georgia 31793

Dear Rusty:

As we have discussed, the groundwater investigation required by EPD, and the work required by EPA, will take us to various locations around the SoGreen Site. I previously sent you an access agreement to formalize our various letters and telephone calls concerning access to the former Union Camp property. However, in an effort to simplify and clarify the status of access rights by the Steel Companies on all the various properties in that area owned by Mr. Parramore, Aries Alpha, SoGreen Corporation, All Saints, and any other entity owned or controlled by Mr. Parramore, I would like to amend the Access Agreement previously entered on March 29, 1994 by this simple letter agreement.

"In order to effectuate the obligations imposed upon the Steel Companies by the Georgia Environmental Protection Division and the U.S. Environmental Protection Agency, the parties agree that their certain agreement dated March 29, 1989 (attached) ("Agreement") is amended so that the access rights provided therein extend to any and all properties owned, operated or controlled by Herman Parramore, SoGreen Corporation, Aries Alpha, Inc., All Saints, and any other entity owned or controlled by Mr. Parramore, within a one mile radius of the property identified in the Agreement."

Please sign on behalf of, or have Herman sign below to acknowledge this amendment.

SOG0041064

SOG0041064

If you have any questions, please give me a call.

Sincerely,

Robert D. Mowrey
Counsel for SoGreen Generator Group

Acknowledged and Agreed:

Date:

cc: SoGreen Generator Group
Jim Stokes
Bill Humphreys

RDM:pc
[AE932630.007]

SOG0041065

TAB 1

SITE ACCESS AND USE AGREEMENT

THIS SITE ACCESS AND USE AGREEMENT, dated as of the 29th day of March, 1989, by and among SO GREEN CORPORATION (hereinafter "So Green"), ARIES ALPHA, INC. (hereinafter "Owner"), HERMAN W. PARRAMORE, individually and as an officer of So Green and the Owner (hereinafter "Parramore"), and GEORGETOWN STEEL CORPORATION, ATLANTIC STEEL CO., OWEN ELECTRIC STEEL COMPANY OF SOUTH CAROLINA, FLORIDA STEEL CORPORATION, and U. S. FOUNDRY AND MANUFACTURING CORP. (hereinafter collectively referred to as the "Generators").

W I T N E S S E T H :

WHEREAS, So Green has operated a fertilizer manufacturing and distribution facility (hereinafter the "Facility") located on certain real property situated in Tift County, Georgia, more particularly described in Exhibit "A" attached hereto and by this reference incorporated herein (hereinafter the "Site"); and

WHEREAS, the Owner has owned all or much of the Site throughout the period during which So Green engaged in the above-described operations; and

WHEREAS, each of the Generators has generated emission control dust, a listed hazardous waste, or wet scrubber fly ash, a characteristic hazardous waste (collectively "EC Dust"), and shipped it to So Green under manifests for recycling under the exemption provided by 40 CRF 261.3(c)(2) for commercial waste derived fertilizers (discussed at 50 Fed. Reg. 647); and

WHEREAS, So Green accepted EC Dust and thereupon became the owner thereof; and

WHEREAS, So Green has recycled EC Dust under the above exemption and, more recently, has allowed a large volume of EC Dust to accumulate on the Site; and

WHEREAS, So Green has ceased its fertilizer manufacturing and distribution activities at the Site; and

WHEREAS, The Environmental Protection Division of the Department of Natural Resources of the State of Georgia (hereinafter "EPD") has taken the position that So Green, as the operator of the Facility, is required to file an application for a Closure Permit under RCRA regulations issued by the United States Environmental Protection Agency (hereinafter "EPA") and subsequently adopted by reference by EPD; and

WHEREAS, So Green has advised the Generators that it lacks the resources necessary to apply for a Closure Permit and to conduct the closure and post-closure activities required of operators by the EPD-adopted RCRA regulations; and

WHEREAS, it is the position of the Generators that they are not, individually or collectively, subject to the closure or post-closure requirements of the EPD-adopted RCRA regulations or any of the sanctions applicable to any failure to comply with such closure and post-closure requirements (because those requirements are applicable to facility owners and operators, but not to generators), and that they will not agree to apply for a Closure Permit for the Site or Facility, or to conduct closure or post-closure activities under the EPD-adopted RCRA regulations; and

WHEREAS, the Generators are willing, without admission of any liability or any obligation to do so, to seek to agree upon a consent order with EPD, and, if necessary, with EPA, under which the Generators would be directed to conduct, if necessary, the agreed-upon Site investigation and evaluation of alternatives. After the completion of any directed Site investigation and evaluation of alternatives, the Generators are willing, without admission of any liability or any obligation to do so, to seek to agree upon a consent order with EPD, and, if necessary, with EPA, under which the Generators would, if appropriate and cost-effective remedial activities can be agreed upon, be directed to conduct the agreed-upon remedial activities and, thereafter, if necessary, any agreed-upon post-remedial activities; and through their contractors, consultants, agents, officers and employees, to conduct such Site investigation, evaluation of alternatives and, if necessary, remedial activities and post-remedial activities as may be agreed to by the Generators and EPD, EPA or both (the activities described in this paragraph and in Paragraph 2 are hereinafter referred to as "the activities contemplated by this Agreement"); and

WHEREAS, So Green, Parramore and the Owner have agreed to provide to the Generators, their contractors, consultants, agents, officers and employees, full access to and use of the Site for the purpose of conducting the activities contemplated by this Agreement; and

WHEREAS, each of the Generators hereto denies any and all legal or equitable responsibility for or duty to conduct any activities relating to closure, post-closure, Site investigation,

evaluation of alternatives, remedial activities or post-remedial care or any other activities whatsoever on or about or related to the Site; or any liability for any costs, expenses, damages or penalties of any nature whatsoever incurred or assessed, or to be incurred or assessed by EPD, EPA or any other person or entity arising out of or in connection with activities on or about the Site;

NOW, THEREFORE, in consideration of the premises and the covenants hereinafter contained, and to induce the Generators to undertake some or all of the activities contemplated by this Agreement, said parties agree as follows:

1. So Green, Parramore and the Owner hereby irrevocably grant permission to the Generators and their designated officers, employees, agents, consultants, contractors and subcontractors to enter the Site, including the building thereon (hereinafter "Building") for the purpose of performing activities contemplated by this Agreement.

2. So Green, Parramore and the Owner hereby irrevocably grant permission to the Generators and their designated officers, employees, agents, consultants, contractors and subcontractors to conduct, on and around the Site, any and all activities required or contemplated by any consent orders between the Generators and EPD, EPA or both; to sample and analyze the accumulation pile, the contents of the Building and any other materials on or about the Site; to drill and sample monitoring and test wells on or about the Site; to take soil borings on or about the Site; to rearrange, detain and contain EC Dust and other materials, soils, sediments, surface waters and/or groundwaters; to move materials

from outside the perimeter fences to the piles inside the fences; to construct slurry walls; to cap, fix, stabilize, contain, excavate, reclaim, remove and/or dispose of EC Dust and/or any contaminated soils, sediments, surface waters or groundwater on or from the Site; to secure the Site from unauthorized entry; to remove the fence; to penetrate or remove floors, walls and/or the roof of the Building; to demolish the Building; and to have continuing or permanent access to and use of the Site so long as the same may be necessary to carry out the terms of this Agreement.

3. In connection with the granting of this permission for site access and use, So Green, Parramore and the Owner shall supply the Generators with all available blueprints, surveys and building and site plans, and shall point out the existence and location of any overhead and underground utility lines on or about the Site and known to So Green, Parramore or the Owner or of any contaminants or hazardous materials (other than EC Dust, the location of which is known to the Generators), of any wells, underground tanks and lines, storm drains, similar facilities and any potential hazards known to So Green, Parramore or the Owner to be on or about the Site, and of any and all assets known to So Green, Parramore or the Owner to be owned or claimed by third parties.

4. The execution and acceptance of the rights conferred by this Site Access Agreement to the Generators and their exercise of those rights shall not be construed as an admission of any liability on the part of such Generators or their successors or assigns for or arising out of any hazardous materials or other contamination which may be indentified or or about the Site, nor

as an admission of any duty or obligation on the part of the Generators to conduct or complete any investigation, evaluation, cleanup or remediation on or about the Site, or any portion thereof, or to cap, fix, stabilize, contain, excavate, reclaim, remove or dispose of EC Dust and/or any contaminated soils or sediments, nor shall acceptance of the rights conferred by this Agreement or the exercise of them be construed in any way, manner or form to create any obligation on the part of the Generators to carry out any of the activities contemplated by this Agreement or to constitute a waiver or estoppel of the rights of said Generators to seek indemnity and/or contribution from other generators, transporters, past and present owners, operators or other persons or entities, or their officers, directors, control persons or employees who are or may be liable for having contributed to or participated in causing, suffering or permitting any contamination on or about the Site, or who may otherwise be liable for the cleanup of the Site.

5. Neither So Green, Parramore, the Owner nor any of their officers, employees or agents shall interfere with the conduct of the activities of the Generators, their officers, employees, agents, consultants, contractors or subcontractors; and So Green, Parramore, the Owner and their officers, employees and agents shall cooperate fully and in good faith with the Generators, their officers, employees, agents, consultants, contractors and subcontractors in connection therewith. The Generators shall not be liable to So Green, Parramore, the Owner or their officers, employees or agents for any rent, occupancy charge, restoration charge, fee or other compensation, or for damages for any loss of

use by or interference with the business of So Green, Parramore, the Owner or others having any interest in the Site or improvements or property thereon.

6. So Green, Parramore and the Owner hereby designate:

H. W. PARRAMORE
Name

Highland Ave — 919 386 8041
Business Address — Business Telephone No.

4102 Frazier Dr — 919 382 9747
Home Address — Home Telephone No.

and

Name

Business Address — Business Telephone No.

Home Address — Home Telephone No.

as their repesentative and alternate representative, respectively, for the purposes of implementing the obligations of So Green and the Owner hereunder. Such designated representative, and in his absence or unavailability, such alternate representative, shall be responsible for assuring that the access and use provided for by this Agreement is afforded to the Generators and their designated representatives.

7. So Green, Parramore and the Owner shall permit the use and storage of equipment and supplies in the Building and on the Site during the conduct of the activities contemplated by this

Agreement.

8. In the absence of gross negligence or willful misconduct, neither any of the Generators nor their officers, employees, agents, consultants, contractors or subcontractors shall be liable to So Green, Parramore, the Owner or any of their officers, employees, agents or invitees for claims arising from property damage in connection with or resulting directly or indirectly from the conduct of the activities contemplated by this Agreement or in the exercise of any of the rights conferred herein.

9. Upon request, the Generators will ask their consultants, contractors and subcontractors to give advance notice to So Green, Parramore or the Owner of the approximate time at which they plan to conduct sampling on or about the Site and shall afford So Green, Parramore or the Owner the opportunity to split samples and to observe the sampling; provided, however, any failure properly to notify So Green, Parramore or the Owner under the terms of this paragraph shall in no way invalidate or constitute a breach of the Agreement nor constitute a basis for denial of access to the Site or Facility.

10. Nothing contained in this Agreement shall be construed as requiring the Generators to perform any activities which would cause them, or any of them, to assume the status of a generator, transporter, storer, treater, disposal facility, reclamation facility, owner or operator as those terms appear in the Resource Conservation and Recovery Act, 42 USC, Section 6901, et seq., as amended, or with any state law governing the generation, transportation, treatment, storage, disposal or reclamation of haz-

ardous materials (including hazardous wastes and hazardous substances); and all manifests for the transportation of any hazardous materials which may be removed from on or about the Site shall be issued in So Green's name as generator and with So Green's U. S. EPA I.D. number and solely on its behalf; and the Generators and their representatives are hereby authorized to sign the Generator's Certificate on each such manifest on So Green's behalf. If So Green does not have a U. S. EPA I.D. number, it shall be So Green's duty promptly to apply for and secure a U. S. EPA I.D. number for use in transporting any hazadrous materials from or around the Site.

11. No provision hereof or any actions or submissions under or by reason of the provisions, terms and conditions hereof shall in any action, proceeding or litigation whatsoever operate as an admission that any of the Generators has violated any law or regulation or otherwise committed a breach of any duty at any time.

12. The Parties expressly reserve all rights and claims they may now or hereafter have against the other and nothing contained herein shall be construed as a release or waiver of any such rights or claims.

13. So Green, Parramore and the Owner hereby agree to grant to the Generators a lien and security interest in the Site to secure any and all advances that may be provided and costs that may be incurred by the Generators in conducting the activities contemplated by this Agreement; and to cooperate fully with the Generators, and use their best efforts, in obtaining, from other persons holding or claiming a lien or other security interest in the Site, the agreement of such persons to subordinate their

liens and security interests in the Site or claims against the Site to the lien or security interest to be granted to the Generators hereunder; and So Green, Parramore and the Owner agree to execute, deliver, file and/or record all documents necessary to create and perfect the lien or security interest to be granted to the Generators hereunder.

14. So Green, Parramore and the Owner agree to execute, deliver, file and/or record all documents necessary to facilitate the implementation of the activities contemplated by this Agreement.

15. This Agreement shall be construed under the laws of Georgia.

16. This Agreement may be executed in two or more counterparts, each of which together shall constitute one and the same instrument.

17. The Generators may assign, in whole or in part, any or all of their rights and interests provided for in this Agreement, and upon such assignment the Generator shall be released from all liabilities or obligations hereunder provided that the assignee of any Generator assumes the liabilities of the Generator and agrees to perform the obligations of the Generator under the terms of this Agreement.

18. This Agreement shall be binding on, and inure to the benefit of, the respective parties hereto and their successors and assigns. The terms and provisions of this Agreement cannot be terminated, modified or amended except in writing. The provisions of this Agreement are severable, and any invalidity, unenforceability or illegality in any provision or provisions

hereof shall not affect the remaining provisions of this Agreement. This Agreement may, at the option of the Generators, be filed for record with the Clerk of the Superior Court for Tift County, Georgia.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

SO GREEN CORPORATION

Witness

Witness

By: Herman W. Parramore
HERMAN W. PARRAMORE, President

Date: 3-29-89

ARIES ALPHA, INC.

Witness

Witness

By: Herman W. Parramore
HERMAN W. PARRAMORE

Its: Pres.

Date: 3-29-89

Witness

Witness

Herman W. Parramore
HERMAN W. PARRAMORE, Individually

Date: 3-29-89

GEORGETOWN STEEL CORPORATION

Witness

Witness

By: _____

Its: Executive Vice President and General Manag

Date: 4-14-89

ATLANTIC STEEL CO.

Witness

Witness

By: _____

Its: President

Date: April 30, 1989

OWEN ELECTRIC STEEL COMPANY OF SOUTH CAROLINA

Witness

Witness

By: _____

Its: Corporate Counsel

Date: April 3, 1989

FLORIDA STEEL CORPORATION

Witness

Witness

By: _____

Its: Vice President, Steel Mills

Date: April 25, 1989

U. S. FOUNDRY AND MANUFACTURING CORP.

Witness

Witness

By: _____

Its: GENERAL MANAGER

Date: MAY 2, 1989

STATE OF GA

COUNTY OF Tift

The foregoing instrument was acknowledged before me this 29th day of March, 1989, by HERMAN W. PARRAMORE, as President of SO GREEN CORPORATION, a GA corporation, on behalf of the corporation.

Notary Public

My Commission Expires: 4-29-90

STATE OF GA

COUNTY OF Tift

The foregoing instrument was acknowledged before me this 29th day of March, 1989, by HERMAN W. PARRAMORE, as President of ARIES ALPHA, INC., a GA corporation, on behalf of the corporation.

Notary Public

My Commission Expires: 4-29-90

STATE OF GA

COUNTY OF Dift

The foregoing instrument was acknowledged before me this 29th day of March, 1989, by HERMAN W. PARRAMORE, individually.

Vicki Driggers
Notary Public
My Commission Expires: 4-29-90

STATE OF South Carolina

COUNTY OF Georgetown

The foregoing instrument was acknowledged before me this 14th day of April, 1989, by Don B. Daily, as Executive V.P. & Gen. Mgr. of GEORGETOWN STEEL CORPORATION, a Deleware corporation, on behalf of the corporation.

Barbara J. Zobel
Notary Public
My Commission Expires:

My Commission Expires July 4, 1...

STATE OF Georgia

COUNTY OF Fulton

The foregoing instrument was acknowledged before me this 4th day of May, 1989, by Gene L. Wallace, as President of ATLANTIC STEEL CO., a Delaware corporation, on behalf of the corporation.

Diana D. Wallace
Notary Public
My Commission Expires:

Notary Public, DeKalb County, Georgia
My Commission Expires Aug. 19, 1990

AF 0003263

STATE OF SOUTH CAROLINA

COUNTY OF LEXINGTON

The foregoing instrument was acknowledged before me this 3rd day of April, 1989, by James M. Daniel, III, as Corporate Counsel of OWEN ELECTRIC STEEL COMPANY OF SOUTH CAROLINA, a South Carolina corporation, on behalf of the corporation.

Judith C. Miller
Notary Public
My Commission Expires: April 8, 1990

STATE OF FLORIDA

COUNTY OF HILLSBOROUGH

The foregoing instrument was acknowledged before me this 25th day of April, 1989, by Ralph R. Boswell, as Vice President, Steel Mills of FLORIDA STEEL CORPORATION, a Florida corporation, on behalf of the corporation.

Anne Thiele 4-25-89
Notary Public
My Commission Expires: Notary Public State of Florida at Large My Commission Expires Sept. 23, 1992.

STATE OF FLORIDA

COUNTY OF DADE

The foregoing instrument was acknowledged before me this 2ND day of MAY, 1989, by Alex L. DeBoisory, as GENERAL MANAGER of U. S. FOUNDRY AND MANUFACTURING, Corp. a FLORIDA corporation, on behalf of the corporation.

Frances E Hodge
Notary Public
My Commission Expires:

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. APR 29,1991
BONDED THRU GENERAL INS. UND.

AF 0003264

EXHIBIT "A"

LEGAL DESCRIPTION OF THE SITE

The Site shall mean the property owned by Aries Alpha Corporation and Herman W. Parramore and, until recently, operated by SoGreen Corporation in Tifton, Georgia containing 3.789 acres, more or less as shown on the attached survey prepared for the SoGreen Generators, dated December 2, 1988.

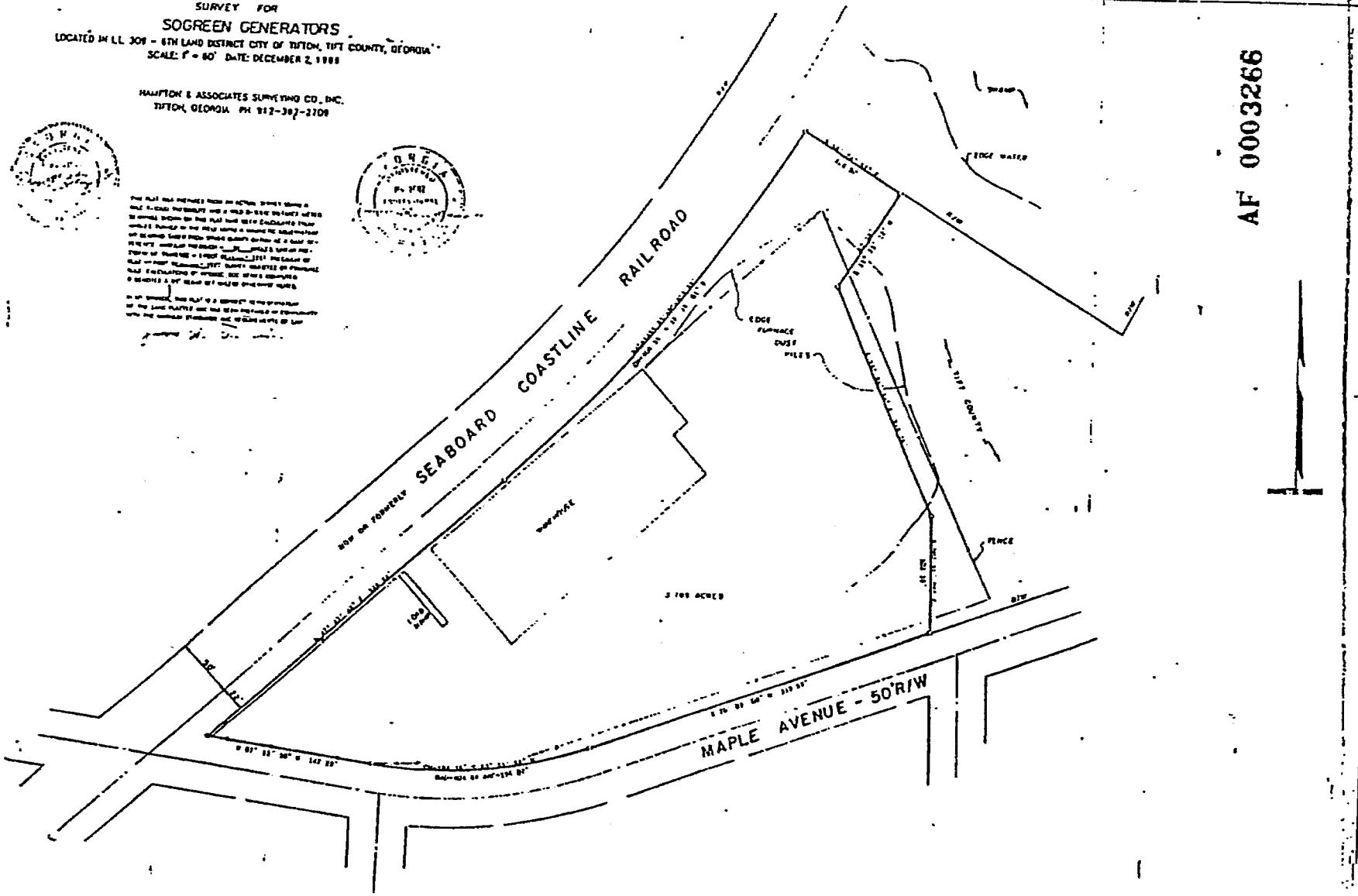
SURVEY FOR

SOGREEN GENERATORS

LOCATED IN L.L. 309 - 6TH LAND DISTRICT CITY OF TIFTON, TIFT COUNTY, GEORGIA

SCALE: 1" = 80' DATE: DECEMBER 2, 1988

HAMPTON & ASSOCIATES SURVEYING CO., INC.
TIFTON, GEORGIA PH 912-387-2709



AF 0003266

APPENDIX B

HISTORICAL GROUNDWATER SUMMARY DATA

SoGreen Site

Historical Groundwater Sampling Locations

Prepared By: JRM - 4/28/2017	amec foster wheeler
Checked By: KN - 4/28/2017	Figure: B
Project Number: 6123160068	

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		FIELD DATA		METALS													
	Constituent	pH	Turbidity	Arsenic (Dissolved)	Arsenic (Total)	Barium (Dissolved)	Barium (Total)	Cadmium (Dissolved)	Cadmium (Total)	Chromium (Dissolved)	Chromium (Total)	Copper (Dissolved)	Copper (Total)	Lead (Dissolved)	Lead (Total)	Mercury (Dissolved)	Mercury (Total)	Selenium (Dissolved)
	Units	SU	NTU	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
DP-01	6/1/2004	5.3	650	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	NA	NA	NA	NA	NA	NA	< 1.0	2.6	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-02	6/1/2004	NA	9.5	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	4.98	31	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	44.7	NA	NA	NA
DP-03	6/1/2004	4.98	50	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	9.41	400	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-04	6/1/2004	5.61	8.5	NA	NA	NA	NA	< 1.0	18.1	< 1.0	< 1.0	NA	NA	< 1.0	26.3	NA	NA	NA
	6/1/2004	NA	NA	NA	NA	NA	NA	62.2	66.4	40.4	176.5	NA	NA	162.4	559.4	NA	NA	NA
DP-05	6/1/2004	6.36	40	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	7.72	270	NA	NA	NA	NA	10.3	33.8	< 1.0	< 1.0	NA	NA	43.5	146.7	NA	NA	NA
DP-06	6/1/2004	8.35	< 1000	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	10.44	< 1000	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	238.6	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-07	6/1/2004	4.41	423	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-08	6/1/2004	6.18	170	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	NA	NA	NA	NA	NA	NA	< 1.0	82.2	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-09	6/1/2004	4.56	31	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	6.18	600	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-10	6/1/2004	NA	60	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-11	6/1/2004	6.48	120	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	NA	< 1000	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-12	6/1/2004	6.45	950	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	10.35	1000	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-13	6/1/2004	6.51	310	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	NA	350	NA	NA	NA	NA	82.2	141.9	< 1.0	103.4	NA	NA	507.1	698.6	NA	NA	NA
	6/1/2004	NA	350	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-14	6/1/2004	6.2	6.5	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

	Constituent	FIELD DATA		METALS													
		pH	Turbidity	Arsenic (Dissolved)	Arsenic (Total)	Barium (Dissolved)	Barium (Total)	Cadmium (Dissolved)	Cadmium (Total)	Chromium (Dissolved)	Chromium (Total)	Copper (Dissolved)	Copper (Total)	Lead (Dissolved)	Lead (Total)	Mercury (Dissolved)	Mercury (Total)	Selenium (Dissolved)
	Units	SU	NTU	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
DP-15	6/1/2004	5.61	750	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	5.75	< 1000	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-16	6/1/2004	3.32	360	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	7.87	< 1000	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-17	6/1/2004	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	4.82	< 1000	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-18	6/1/2004	6.25	310	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	6.16	476	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-19	6/1/2004	6.69	310	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	6.75	829	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-62	6/1/2004	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-63	6/1/2004	5.82	219	NA	NA	NA	NA	< 1.0	22.6	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	5.82	219	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
Dup	6/1/2004	5.82	219	NA	NA	NA	NA	42.5	62.4	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
DP-67	6/1/2004	5.6	220	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/1/2004	5.35	550	NA	NA	NA	NA	< 1.0	2.7	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
EW-1	6/16/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/24/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MIP-47	4/26/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ-1	6/16/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ-17	6/28/2010	5.93	2.21	< 1.3	7.0	210	240	< 0.095	< 0.13	< 2.5	< 2.5	< 1.1	< 1.1	< 0.2	< 0.5	< 0.091	< 0.091	< 1.0
	6/9/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/10/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ-2	5/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/1/2004	3.96	12	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/16/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		FIELD DATA		METALS													
	Constituent	pH	Turbidity	Arsenic (Dissolved)	Arsenic (Total)	Barium (Dissolved)	Barium (Total)	Cadmium (Dissolved)	Cadmium (Total)	Chromium (Dissolved)	Chromium (Total)	Copper (Dissolved)	Copper (Total)	Lead (Dissolved)	Lead (Total)	Mercury (Dissolved)	Mercury (Total)	Selenium (Dissolved)
	Units	SU	NTU	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
PZ-4	5/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	5/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/1/2004	4.02	14	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	98	NA	NA	NA
Dup	6/1/2004	4.02	14	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/8/2009	4.02	8.17	71	130	36	29	18	26	56	95	17	34	18	25	0.23	0.24	4.6
	7/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ-7	8/4/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W10A	5/1/2004	3.74	4.44	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W10B	5/1/2004	5.25	50	NA	NA	NA	NA	23.6	40.7	< 1.0	19.6	NA	NA	19.6	239.7	NA	NA	NA
	6/10/2009	5.47	7.46	< 1.3	< 1.3	23	25	< 0.095	< 0.13	< 2.5	< 2.5	< 1.1	< 1.1	< 0.2	< 0.5	< 0.091	< 0.091	< 1.0
Dup	6/10/2009	5.47	7.46	< 1.3	< 1.3	22	26	< 0.095	< 0.13	< 2.5	2.8	< 1.1	< 1.1	< 0.2	< 0.5	< 0.091	< 0.091	< 1.0
	7/8/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W10C	5/1/2004	5.07	95.2	NA	NA	NA	NA	10.8	18.4	< 1.0	< 1.0	NA	NA	< 1.0	172.8	NA	NA	NA
	6/9/2009	5.62	57.1	< 1.3	< 1.3	47	60	< 0.095	< 0.13	3.5	6.0	< 1.1	< 1.1	0.43	0.99	< 0.091	< 0.091	< 1.0
W11A	5/1/2004	4.86	4.46	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/14/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/22/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W12A	5/1/2004	3.93	90	NA	NA	NA	NA	< 1.0	17.9	< 1.0	< 1.0	NA	NA	< 1.0	62.6	NA	NA	NA
	5/15/2004	3.93	90	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/3/2009	3.97	0.6	< 1.3	< 1.3	170	190	0.75	0.69	< 2.5	< 2.5	1.2	1.4	0.95	1.4	< 0.091	< 0.091	< 1.0
	6/22/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/8/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/22/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W13A	5/1/2004	4.83	10.54	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/9/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/8/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W13B	5/1/2004	4.97	500	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/20/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/8/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Summary of Historical Groundwater Data
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	Constituent	FIELD DATA		METALS													
		pH	Turbidity	Arsenic (Dissolved)	Arsenic (Total)	Barium (Dissolved)	Barium (Total)	Cadmium (Dissolved)	Cadmium (Total)	Chromium (Dissolved)	Chromium (Total)	Copper (Dissolved)	Copper (Total)	Lead (Dissolved)	Lead (Total)	Mercury (Dissolved)	Mercury (Total)	Selenium (Dissolved)
	Units	SU	NTU	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W14A	5/1/2004	4.48	11	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
W14B	5/1/2004	5.12	< 1000	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
W19A	8/1/2006	4.4	2.2	1.4	1.4	142	120	1.5	1.4	5.7	16.4	105	80.5	1.8	6.2	< 0.2	< 0.2	3.7
W19B	8/1/2006	5.59	347	< 5.0	< 5.0	71.6	79.3	< 1.0	< 1.0	1.4	6.0	6.0	8.6	< 1.0	1.0	< 0.2	< 0.2	< 5.0
	7/1/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W1A-R	5/1/2004	4.13	3.4	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	5/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W1B-R	5/1/2004	5.9	< 1000	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/16/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W20A	8/1/2006	4.43	4.2	< 5.0	< 5.0	165	172	< 1.0	0.095	< 2.0	< 2.0	6.6	6.7	0.82	0.93	< 0.2	< 0.2	< 5.0
W20B	8/1/2006	6.41	880	< 5.0	3.1	89	90.6	0.11	0.16	< 2.0	2.9	17.7	21.1	< 1.0	2.0	< 0.2	< 0.2	< 5.0
	6/9/2009	5.65	14.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2010	5.6	11.5	< 1.3	< 1.3	220	270	< 0.095	< 0.13	3.7	6.9	1.3	1.1	0.5	0.63	< 0.091	< 0.091	< 1.0
Dup	7/27/2010	5.6	11.5	< 1.3	< 1.3	210	260	< 0.095	< 0.13	3.4	6.2	< 1.1	< 1.1	0.39	0.67	< 0.091	< 0.091	< 1.0
W21A	8/1/2006	4.86	5.0	< 5.0	0.47	73.7	91.2	0.31	0.39	< 2.0	10.7	22.2	76.7	< 1.0	3.5	< 0.2	< 0.2	< 5.0
	6/10/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/10/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W21B	8/1/2006	5.34	170	< 5.0	< 5.0	47.1	63	< 1.0	< 1.0	< 1.0	4.8	3.3	5.9	< 1.0	0.97	< 0.2	< 0.2	< 5.0
W24A	8/1/2006	6.52	8.7	4.9	13.4	189	204	< 1.0	< 1.0	< 2.0	< 2.0	0.57	4.2	< 1.0	3.4	< 0.2	0.099	12.7
Dup	8/1/2006	6.52	8.7	4.9	12.7	184	211	< 1.0	< 1.0	< 2.0	< 2.0	0.66	2.4	< 1.0	3.3	< 0.2	< 0.2	12.6
	6/23/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W24B	8/1/2006	6.0	10.1	0.9	0.72	267	294	0.13	0.18	< 2.0	2.6	16.7	18.6	< 1.0	< 1.0	< 0.2	< 0.2	0.61
W29A	8/1/2006	4.53	1.9	8.2	5.5	41	45	5.8	4.1	14500	648	374	51.9	6.8	5.7	< 0.2	< 0.2	28.1
	6/4/2009	3.98	3.4	< 1.3	1.7	31	34	3.6	3.6	68	860	40	44	5.3	13	< 0.091	< 0.091	1.5
	6/18/2010	3.14	5.8	1.6	1.5	29	31	3.6	3.8	130	230	45	49	6.8	8.8	< 0.091	< 0.091	1.9
	6/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W29B	8/1/2006	5.72	377	1.4	1.4	73.7	67.2	< 1.0	< 1.0	NA	NA	< 2.0	1.5	< 1.0	0.32	< 0.2	< 0.2	1.2

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		FIELD DATA		METALS													
	Constituent	pH	Turbidity	Arsenic (Dissolved)	Arsenic (Total)	Barium (Dissolved)	Barium (Total)	Cadmium (Dissolved)	Cadmium (Total)	Chromium (Dissolved)	Chromium (Total)	Copper (Dissolved)	Copper (Total)	Lead (Dissolved)	Lead (Total)	Mercury (Dissolved)	Mercury (Total)	Selenium (Dissolved)
	Units	SU	NTU	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W2A-R	5/1/2004	3.86	13	NA	NA	NA	NA	10.3	18.4	< 1.0	< 1.0	NA	NA	< 1.0	172.8	NA	NA	NA
	6/5/2009	3.56	0.73	1.5	1.5	130	130	1.2	1.1	5.6	9.5	23	24	15	16	< 0.091	< 0.091	< 1.0
Dup	6/5/2009	3.56	0.73	1.6	1.3	120	130	1.2	1.2	5.5	10	22	26	15	16	< 0.091	< 0.091	< 1.0
	7/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	7/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W2B-R	5/1/2004	5.88	< 1000	NA	NA	NA	NA	6.2	12	< 1.0	< 1.0	NA	NA	< 1.0	29.3	NA	NA	NA
	6/8/2009	5.64	126	< 1.3	1.6	100	110	< 0.095	< 0.13	10	21	3.7	4.6	3.1	3.8	0.3	< 0.091	< 1.0
W2C-R	5/1/2004	5.27	< 1000	NA	NA	NA	NA	14.2	21.6	< 1.0	4.7	NA	NA	4.7	163.2	NA	NA	NA
	6/9/2009	6.1	487	1.6	4.4	120	310	< 0.095	0.18	14	40	4.5	13	4.1	14	< 0.091	< 0.091	< 1.0
W30A	8/1/2006	3.58	21.6	27.9	28.7	32	26.7	85.9	143	647	755	29.2	74.9	184	224	< 0.2	< 0.2	< 5.0
Dup	8/1/2006	3.58	21.6	26.7	32.8	39.2	27	1.9	139	79.7	764	8.2	71.1	7.9	222	< 0.2	< 0.2	88.8
	6/4/2009	3.16	2.99	4.8	5.2	40	38	< 0.095	< 0.13	370	620	< 1.1	< 1.1	< 0.2	< 0.5	0.22	0.12	< 1.0
	6/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W30B	8/1/2006	6.62	500	0.53	1.2	55.6	266	< 1.0	0.11	< 2.0	16.8	0.78	7.3	< 1.0	5.7	< 0.2	< 0.2	< 5.0
Dup	8/1/2006	6.62	500	0.51	1.4	62.5	290	< 1.0	0.15	< 2.0	20.1	0.82	11	0.2	6.8	< 0.2	< 0.2	0.92
W39A-1	12/20/2009	4.3	3.9	5.6	5.4	70.4	55.5	< 1.0	33.4	5.2	5.6	< 3.0	2.0	< 2.0	< 2.0	< 2.0	< 2.0	24.8
Dup	12/20/2009	4.3	3.9	6.2	6.1	61.5	58.6	0.6	28.5	5.9	4.9	< 3.0	2.0	< 2.0	< 2.0	< 2.0	< 2.0	25.8
	4/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/8/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W39A-2	12/20/2009	3.3	1.3	6.3	5.3	102	102	29.9	30.2	40.4	39.5	187	186	92.2	92.1	< 2.0	< 2.0	38.9
	4/28/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/8/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W40A-1	7/9/2010	3.96	1.25	< 1.3	< 1.3	460	390	0.99	< 1.1	< 2.5	9.2	14	12	0.54	0.85	< 0.091	< 0.091	< 1.0
	6/8/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/11/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W40A-2	8/6/2010	5.3	39.5	< 1.3	< 1.3	48	52	< 0.095	< 0.13	4.4	6.2	7.7	8.7	0.68	1.1	< 0.091	< 0.091	< 1.0
	6/14/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/11/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SoGreen Former Waste Pile Site, HSI Site No. 10142
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		FIELD DATA		METALS													
	Constituent	pH	Turbidity	Arsenic (Dissolved)	Arsenic (Total)	Barium (Dissolved)	Barium (Total)	Cadmium (Dissolved)	Cadmium (Total)	Chromium (Dissolved)	Chromium (Total)	Copper (Dissolved)	Copper (Total)	Lead (Dissolved)	Lead (Total)	Mercury (Dissolved)	Mercury (Total)	Selenium (Dissolved)
	Units	SU	NTU	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W41A-2	7/19/2010	3.4	1.77	< 1.3	< 1.3	340	300	0.1	0.13	< 2.5	< 2.5	5.6	6.6	< 0.2	< 0.5	< 0.091	< 0.091	< 1.0
	6/14/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/10/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W41B	7/19/2010	4.7	9.65	< 1.3	< 1.3	140	140	< 0.095	< 0.13	3.4	4.3	1.9	2.8	0.35	< 0.5	< 0.091	< 0.091	< 1.0
Dup	7/19/2010	NA	NA	< 1.3	< 1.3	140	140	< 0.095	< 0.13	3.3	4.2	1.7	3.2	0.31	< 0.5	< 0.091	< 0.091	< 1.0
	6/14/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/11/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	7/11/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W42A	8/4/2010	4.6	5.75	< 1.3	< 1.3	1500	1200	1.1	1.6	< 2.5	< 2.5	3.6	3.8	0.58	3.0	< 0.091	< 0.091	< 1.0
	6/14/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/22/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W4A-2	7/22/2010	3.62	8.87	< 1.3	< 1.3	2400	2200	2.1	2.3	< 2.5	< 2.5	7.4	10	< 0.2	0.55	< 0.091	< 0.091	< 1.0
	6/16/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/24/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W4A-R	5/1/2004	3.96	5.7	NA	NA	NA	NA	3.2	8.8	< 1.0	< 1.0	NA	NA	< 1.0	19.7	NA	NA	NA
Dup	5/1/2004	3.96	5.7	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/15/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/24/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W4B-R	5/1/2004	7.91	< 1000	NA	NA	NA	NA	12.4	21.6	< 1.0	< 1.0	NA	NA	< 1.0	134.5	NA	NA	NA
	6/9/2009	7.24	26.4	< 1.3	< 1.3	310	310	< 0.095	0.19	13	140	1.2	4.3	0.32	0.9	< 0.091	< 0.091	< 1.0
	7/6/2010	5.76	4.6	< 1.3	< 1.3	76	73	< 0.095	< 0.13	2.6	4.0	< 1.1	< 1.1	< 0.2	< 0.5	< 0.091	< 0.091	< 1.0
Dup	7/6/2010	5.76	4.6	< 1.3	< 1.3	74	79	< 0.095	< 0.13	< 2.5	6.6	< 1.1	< 1.1	< 0.2	< 0.5	< 0.091	< 0.091	< 1.0
	6/22/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/27/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/24/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/8/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W5A	5/1/2004	5.05	1.9	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		FIELD DATA		METALS													
	Constituent	pH	Turbidity	Arsenic (Dissolved)	Arsenic (Total)	Barium (Dissolved)	Barium (Total)	Cadmium (Dissolved)	Cadmium (Total)	Chromium (Dissolved)	Chromium (Total)	Copper (Dissolved)	Copper (Total)	Lead (Dissolved)	Lead (Total)	Mercury (Dissolved)	Mercury (Total)	Selenium (Dissolved)
	Units	SU	NTU	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W5B	5/1/2004	4.68	2.1	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	6/17/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W6A	6/2/2009	5.88	550	6.3	12	42	110	0.17	0.45	36	130	26	44	47	110	0.19	< 0.091	< 1.0
W7A	5/1/2004	4.04	1.38	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	7/10/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W7B	5/1/2004	4.12	27	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	10/13/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W8A	5/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/1/2004	5.12	22	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
	7/24/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W8A-2	7/22/2010	5.03	9.7	< 1.3	< 1.3	850	710	1.1	0.84	< 2.5	3.5	4.4	19	< 0.2	< 0.5	< 0.091	< 0.091	< 1.0
	6/15/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/15/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W8B	8/1/2006	5.32	971	1.0	1.1	49	82.2	0.24	0.12	< 2.0	7.1	2.0	4.9	< 1.0	2.1	0.098	< 0.2	0.81
	6/21/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/15/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W8C	8/1/2006	6.09	1.0	1.5	1.6	155	151	< 1.0	< 1.0	< 2.0	NA	< 2.0	0.94	< 1.0	< 1.0	< 0.2	< 0.2	3.1
	6/21/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/16/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W9A	5/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/1/2004	3.59	6.9	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA
W9B	5/1/2004	5.6	700	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	NA	NA

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		METALS					ORGANIC COMPOUNDS											
	Constituent	Selenium (Total)	Silver (Dissolved)	Silver (Total)	Thallium (Dissolved)	Thallium (Total)	1,1,1-Trichloroethane	1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane (Ethylene dibromide)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene (Total)	1,2-Dichloropropane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
DP-01	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-02	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-03	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-04	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-05	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-06	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	6.5	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-07	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-08	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-09	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-10	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-11	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-12	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-13	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-14	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
Dup	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		METALS					ORGANIC COMPOUNDS											
	Constituent	Selenium (Total)	Silver (Dissolved)	Silver (Total)	Thallium (Dissolved)	Thallium (Total)	1,1,1-Trichloroethane	1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane (Ethylene dibromide)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene (Total)	1,2-Dichloropropane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
DP-15	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-16	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-17	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-18	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-19	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-62	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
DP-63	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-67	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
EW-1	6/16/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/24/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MIP-47	4/26/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
PZ-1	6/16/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
PZ-17	6/28/2010	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/9/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/10/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
PZ-2	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/16/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		METALS					ORGANIC COMPOUNDS											
	Constituent	Selenium (Total)	Silver (Dissolved)	Silver (Total)	Thallium (Dissolved)	Thallium (Total)	1,1,1-Trichloroethane	1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane (Ethylene dibromide)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene (Total)	1,2-Dichloropropane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
PZ-4	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
Dup	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/8/2009	7.5	< 0.25	0.27	0.96	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/10/2015	NA	NA	NA	NA	NA	< 0.67	NA	1.6 J	7.4	< 0.9	< 0.79	NA	NA	< 0.68	2.3 J	1100	< 0.84
PZ-7	8/4/2010	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
W10A	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/10/2015	NA	NA	NA	NA	NA	< 0.67	NA	< 0.91	< 1.5	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	17	< 0.84
W10B	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	13.8	< 1.0	NA	NA	5.6	< 1.0	NA	< 1.0
	6/10/2009	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/10/2009	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/8/2010	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
W10C	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/9/2009	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W11A	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/14/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	0.4	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/22/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	1.6 J	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W12A	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	17.6	< 1.0	NA	NA	5.3	< 1.0	NA	< 1.0
	5/15/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/3/2009	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2010	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/8/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/22/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W13A	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/9/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/8/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W13B	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/20/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/8/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		METALS					ORGANIC COMPOUNDS											
	Constituent	Selenium (Total)	Silver (Dissolved)	Silver (Total)	Thallium (Dissolved)	Thallium (Total)	1,1,1-Trichloroethane	1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane (Ethylene dibromide)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene (Total)	1,2-Dichloropropane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W14A	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
W14B	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
W19A	8/1/2006	2.8	< 1.0	< 1.0	0.18	0.18	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
W19B	8/1/2006	< 5.0	< 1.0	< 1.0	0.11	0.043	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	7/1/2010	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
W1A-R	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	5/10/2015	NA	NA	NA	NA	NA	< 0.67	NA	< 0.91	< 1.5	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	< 1.3	< 0.84
W1B-R	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	8.3	< 1.0	NA	< 1.0
	6/16/2010	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
W20A	8/1/2006	< 5.0	< 1.0	< 1.0	0.3	0.12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
W20B	8/1/2006	4.1	< 1.0	< 1.0	0.11	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/9/2009	NA	NA	NA	0.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2010	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
Dup	7/27/2010	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
W21A	8/1/2006	< 5.0	< 1.0	< 1.0	0.038	0.13	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/10/2010	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
Dup	6/10/2010	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
W21B	8/1/2006	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
W24A	8/1/2006	11.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
Dup	8/1/2006	10.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/23/2010	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
W24B	8/1/2006	< 5.0	< 1.0	< 1.0	0.052	0.079	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
W29A	8/1/2006	19.4	0.074	0.047	0.33	0.47	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/4/2009	1.6	< 0.25	< 0.18	< 0.5	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2010	2.0	< 0.25	< 0.18	< 0.5	0.29	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/10/2015	NA	NA	NA	NA	NA	< 0.67	NA	< 0.91	< 1.5	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	< 1.3	< 0.84
W29B	8/1/2006	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		METALS					ORGANIC COMPOUNDS											
	Constituent	Selenium (Total)	Silver (Dissolved)	Silver (Total)	Thallium (Dissolved)	Thallium (Total)	1,1,1-Trichloroethane	1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane (Ethylene dibromide)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene (Total)	1,2-Dichloropropane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W2A-R	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/5/2009	< 1.1	< 0.25	< 0.18	< 0.5	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/5/2009	< 1.1	< 0.25	< 0.18	< 0.5	0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/10/2015	NA	NA	NA	NA	NA	< 0.67	NA	< 0.91	< 1.5	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	6.0	< 0.84
Dup	7/10/2015	NA	NA	NA	NA	NA	< 0.67	NA	< 0.91	< 1.5	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	6.4	< 0.84
W2B-R	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/8/2009	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W2C-R	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/9/2009	< 1.1	< 0.25	< 0.18	< 0.5	0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W30A	8/1/2006	< 5.0	1.2	2.5	2.5	3.6	< 1.0	< 1.0	0.24	0.5	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
Dup	8/1/2006	< 5.0	0.11	1.4	0.13	3.4	< 1.0	< 1.0	< 1.0	0.44	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/4/2009	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/10/2015	NA	NA	NA	NA	NA	< 0.67	NA	< 0.91	< 1.5	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	15	< 0.84
W30B	8/1/2006	< 5.0	< 1.0	< 1.0	< 1.0	0.084	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
Dup	8/1/2006	< 5.0	< 1.0	< 1.0	< 1.0	0.12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
W39A-1	12/20/2009	20.8	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	< 50	< 50	NA	< 50
Dup	12/20/2009	23.4	< 2.0	< 2.0	< 3.0	< 3.0	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	< 50	< 50	NA	< 50
	4/28/2011	NA	NA	NA	NA	NA	< 50	< 50	< 25	20	< 35	< 33	NA	NA	< 21	< 10	NA	< 13
	8/8/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	610	< 5.0
	1/10/2015	NA	NA	NA	NA	NA	2.3 J	NA	2.2 J	6.0	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	1200	< 0.84
W39A-2	12/20/2009	36.3	< 2.0	< 2.0	< 3.0	< 3.0	768	244	< 50	2440	< 50	< 50	NA	NA	NA	NA	NA	< 50
	4/28/2011	NA	NA	NA	NA	NA	< 1000	< 1000	< 500	2800	< 700	< 660	NA	NA	< 420	< 200	NA	< 260
	8/8/2013	NA	NA	NA	NA	NA	410	280 J	< 5.0	2600	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	7/10/2015	NA	NA	NA	NA	NA	< 670	NA	< 910	2500 J	< 900	< 790	NA	NA	< 680	< 790	< 1300	< 840
W40A-1	7/9/2010	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/8/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/11/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W40A-2	8/6/2010	< 1.1	< 0.25	< 0.18	< 0.5	0.31	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/14/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/11/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		METALS					ORGANIC COMPOUNDS											
	Constituent	Selenium (Total)	Silver (Dissolved)	Silver (Total)	Thallium (Dissolved)	Thallium (Total)	1,1,1-Trichloroethane	1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane (Ethylene dibromide)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene (Total)	1,2-Dichloropropane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W41A-2	7/19/2010	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/14/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/10/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W41B	7/19/2010	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
Dup	7/19/2010	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/14/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/11/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dup	7/11/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W42A	8/4/2010	< 1.1	< 0.25	< 0.18	< 0.5	0.43	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/14/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/22/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W4A-2	7/22/2010	< 1.1	< 0.25	< 0.18	< 0.5	0.31	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/16/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	0.24	NA	< 0.13
	7/24/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W4A-R	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	1.4	NA	NA	< 1.0	20.2	NA	< 1.0
Dup	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/15/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	2.2	NA	0.18
	7/24/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	20	1.8 J	< 5.0	1.8 J	< 5.0	< 5.0
W4B-R	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/9/2009	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/6/2010	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
Dup	7/6/2010	< 1.1	< 0.25	< 0.18	< 0.5	< 0.25	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/22/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	6/27/2012	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	12/10/2012	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	7/24/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	4/8/2014	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	8/10/2015	NA	NA	NA	NA	NA	< 0.67	NA	< 0.91	< 1.5	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	< 1.3	< 0.84
W5A	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		METALS					ORGANIC COMPOUNDS											
	Constituent	Selenium (Total)	Silver (Dissolved)	Silver (Total)	Thallium (Dissolved)	Thallium (Total)	1,1,1-Trichloroethane	1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane (Ethylene dibromide)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene (Total)	1,2-Dichloropropane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W5B	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	3.1	< 1.0	NA	< 1.0
	6/17/2010	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
W6A	6/2/2009	1.6	2.8	45	< 0.5	0.38	< 0.5	< 0.5	< 0.25	< 0.11	NA	< 0.25	NA	NA	< 0.21	< 0.1	NA	< 0.13
W7A	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	7/10/2015	NA	NA	NA	NA	NA	< 0.67	NA	< 0.91	< 1.5	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	< 1.3	< 0.84
W7B	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	10/13/2015	NA	NA	NA	NA	NA	< 0.67	NA	< 0.91	< 1.5	< 0.9	< 0.79	NA	NA	< 0.68	< 0.79	< 1.3	< 0.84
W8A	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/24/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W8A-2	7/22/2010	< 1.1	< 0.25	< 0.18	< 0.5	0.43	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	0.65	NA	< 0.13
	6/15/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	0.38	NA	< 0.13
	7/15/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W8B	8/1/2006	< 5.0	< 1.0	< 1.0	< 1.0	0.044	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/21/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/15/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W8C	8/1/2006	3.7	< 1.0	< 1.0	0.053	0.023	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/21/2011	NA	NA	NA	NA	NA	< 0.5	< 0.5	< 0.25	< 0.11	< 0.35	< 0.33	NA	NA	< 0.21	< 0.1	NA	< 0.13
	7/16/2013	NA	NA	NA	NA	NA	< 5.0	< 10	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W9A	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W9B	5/1/2004	NA	NA	NA	NA	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	NA	< 1.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS															
	Constituent	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (Methyl ethyl ketone)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	m+p-Xylenes	Methyl isobutyl ketone (4-Methyl-2-pentanone)	Methylene chloride (Dichloromethane)	Naphthalene
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
DP-01	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-02	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-03	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	10.4	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-04	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-05	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-06	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-07	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	40.7	< 1.0	59.6	< 1.0	< 1.0	< 2.0	< 5.0	5.9	< 1.0
DP-08	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-09	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	2.3	< 1.0	1.9	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-10	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-11	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	3.9	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-12	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-13	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-14	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	6.1	< 1.0
Dup	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS															
	Constituent	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (Methyl ethyl ketone)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	m+p-Xylenes	Methyl isobutyl ketone (4-Methyl-2-pentanone)	Methylene chloride (Dichloromethane)	Naphthalene
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
DP-15	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	2310	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	2.0	< 1.0	< 1.0	< 2.0	< 5.0	3.8	< 1.0
DP-16	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-17	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-18	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-19	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	2.6	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-62	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
DP-63	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	2.2	< 1.0
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-67	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
EW-1	6/16/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/24/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
MIP-47	4/26/2011	< 0.25	< 0.28	< 1.0	20	< 0.25	< 0.6	< 0.5	< 0.25	0.2	0.51	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
PZ-1	6/16/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
PZ-17	6/28/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	NA	< 1.0	< 1.0
	6/9/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/10/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
PZ-2	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/16/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS															
	Constituent	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (Methyl ethyl ketone)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	m+p-Xylenes	Methyl isobutyl ketone (4-Methyl-2-pentanone)	Methylene chloride (Dichloromethane)	Naphthalene
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
PZ-4	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	1640	< 1.0	< 1.0	< 2.0	< 5.0	525	< 1.0
Dup	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	1740	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/8/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	4.2 J	< 1.9	< 0.42	3.1 J	< 0.79	< 1.3	1100	0.39 J	< 0.72	1.5 J	< 1.9	< 0.94	< 0.97
PZ-7	8/4/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	NA	< 1.0	< 1.0
W10A	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	5.2	< 1.0	13.3	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	< 0.42	< 0.35	8.3	< 1.3	17	< 0.29	< 0.72	< 0.42	< 1.9	1.6 J	< 0.97
W10B	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	5.2	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/10/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/10/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/8/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
W10C	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W11A	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/14/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	1.6	< 0.11	< 0.1	< 0.2	< 1.0	3.0	< 1.0
	7/22/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	12 J
W12A	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	5/15/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	5.5	< 1.0
	6/3/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/8/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/22/2013	< 5.0	< 5.0	< 50	17 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W13A	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/9/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/8/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W13B	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/20/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	3.2	< 1.0
	7/8/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS															
	Constituent	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (Methyl ethyl ketone)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	m+p-Xylenes	Methyl isobutyl ketone (4-Methyl-2-pentanone)	Methylene chloride (Dichloromethane)	Naphthalene
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W14A	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
W14B	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
W19A	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
W19B	8/1/2006	< 1.0	< 1.0	< 10	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
	7/1/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
W1A-R	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	5/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	< 0.42	< 0.35	< 0.79	< 1.3	< 0.8	< 0.29	< 0.72	< 0.42	< 1.9	< 0.94	< 0.97
W1B-R	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/16/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
W20A	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
W20B	8/1/2006	< 1.0	< 1.0	< 10	0.96	< 1.0	< 1.0	< 1.0	< 1.0	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
	6/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
Dup	7/27/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
W21A	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	0.44	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
	6/10/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	0.2	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
Dup	6/10/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	0.18	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
W21B	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
W24A	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
Dup	8/1/2006	< 1.0	< 1.0	< 10	2.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
	6/23/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
W24B	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
W29A	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	11	< 1.0	10	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
	6/4/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	5.5	< 0.25	2.5	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	15	< 0.35	6.3	< 1.3	< 0.8	< 0.29	< 0.72	< 0.42	< 1.9	< 0.94	< 0.97
W29B	8/1/2006	< 1.0	< 1.0	< 10	3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS															
	Constituent	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (Methyl ethyl ketone)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	m+p-Xylenes	Methyl isobutyl ketone (4-Methyl-2-pentanone)	Methylene chloride (Dichloromethane)	Naphthalene
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W2A-R	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	< 0.42	< 0.35	< 0.79	< 1.3	6.0	< 0.29	< 0.72	< 0.42	< 1.9	< 0.94	< 0.97
Dup	7/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	< 0.42	< 0.35	< 0.79	< 1.3	6.4	< 0.29	< 0.72	< 0.42	< 1.9	< 0.94	< 0.97
W2B-R	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/8/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W2C-R	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W30A	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	18	< 1.0	< 1.0	< 1.0	< 1.0	110	0.33	0.54	< 2.0	0.41	< 1.0	< 1.0
Dup	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	14	< 1.0	< 1.0	< 1.0	< 1.0	130	0.36	0.54	< 2.0	0.36	< 1.0	< 1.0
	6/4/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	< 0.42	< 0.35	< 0.79	< 1.3	12	< 0.29	< 0.72	< 0.42	< 1.9	< 0.94	< 0.97
W30B	8/1/2006	< 1.0	< 1.0	< 10	3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
Dup	8/1/2006	< 1.0	< 1.0	< 10	3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
W39A-1	12/20/2009	< 50	< 50	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	4060	4260	264	650	< 100	< 50	118
Dup	12/20/2009	< 50	< 50	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	3980	4160	250	640	< 100	< 50	117
	4/28/2011	< 25	< 28	< 100	< 500	< 25	< 60	< 50	< 25	< 14	< 33	4300	33	< 10	< 20	< 100	< 100	< 100
	8/8/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	610	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
	1/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	< 0.42	< 0.35	< 0.79	< 1.3	1200	1.2 J	< 0.72	< 0.42	< 1.9	< 0.94	< 0.97
W39A-2	12/20/2009	NA	NA	< 100	< 100	< 50	< 50	< 50	80	< 50	< 50	154	< 50	< 50	< 100	< 100	203	< 50
	4/28/2011	< 500	< 560	< 2000	< 10000	< 500	< 1200	< 1000	< 500	< 280	< 660	360	< 220	< 200	< 400	< 2000	< 2000	< 2000
	8/8/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	80 J	< 5.0	< 10	100 J	< 5.0	< 5.0	< 5.0	< 10	250 J	< 5.0
	7/10/2015	< 610	< 830	< 8100	< 3200	< 610	< 1900	< 420	< 350	< 790	< 1300	< 800	< 290	< 720	< 420	< 1900	< 940	< 970
W40A-1	7/9/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/8/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/11/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W40A-2	8/6/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/14/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/11/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS															
	Constituent	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (Methyl ethyl ketone)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	m+p-Xylenes	Methyl isobutyl ketone (4-Methyl-2-pentanone)	Methylene chloride (Dichloromethane)	Naphthalene
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W41A-2	7/19/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/14/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/10/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W41B	7/19/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
Dup	7/19/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/14/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/11/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Dup	7/11/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W42A	8/4/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	0.21	< 0.33	2.0	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/14/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	0.63	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/22/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W4A-2	7/22/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/16/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	1.8	< 0.33	0.23	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/24/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	1.5 J	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W4A-R	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	23.2	< 1.0	< 1.0	9.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
Dup	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	23.7	< 1.0	< 1.0	7.6	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/15/2011	< 0.25	< 0.28	< 1.0	< 5.0	0.51	< 0.6	< 0.5	< 0.25	17	< 0.33	0.16	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/24/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	9.7	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	2.0 J
W4B-R	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/6/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
Dup	7/6/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/22/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	0.46	< 0.11	< 0.1	< 0.2	< 1.0	3.1	< 1.0
	6/27/2012	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
	12/10/2012	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
	7/24/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
	4/8/2014	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	0.69 J
	8/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	< 0.42	< 0.35	< 0.79	< 1.3	< 0.8	< 0.29	< 0.72	< 0.42	< 1.9	< 0.94	< 0.97
W5A	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS															
	Constituent	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (Methyl ethyl ketone)	Acetone	Benzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	m+p-Xylenes	Methyl isobutyl ketone (4-Methyl-2-pentanone)	Methylene chloride (Dichloromethane)	Naphthalene
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date																	
W5B	5/1/2004	3.3	3.8	3.3	NA	< 1.0	NA	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/17/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	1.6	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
W6A	6/2/2009	< 0.25	< 0.28	2.0	6.0	< 0.25	< 0.6	< 0.5	< 0.25	0.52	< 0.33	< 0.15	< 0.11	< 0.1	NA	< 1.0	< 1.0	NA
W7A	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	414	< 1.0	128	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	300	< 1.0
	7/10/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	1100	< 0.35	340	< 1.3	< 0.8	< 0.29	< 0.72	< 0.42	< 1.9	< 0.94	< 0.97
W7B	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	73	< 1.0	21.5	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	10/13/2015	< 0.61	< 0.83	< 8.1	< 3.2	< 0.61	< 1.9	1100	< 0.35	400	< 1.3	< 0.8	< 0.29	< 0.72	< 0.42	< 1.9	7.7	< 0.97
W8A	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/24/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W8A-2	7/22/2010	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	4.1	< 0.33	0.18	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	6/15/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	2.8	< 0.33	1.3	< 0.11	< 0.1	< 0.2	< 1.0	< 1.0	< 1.0
	7/15/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	3.8 J	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W8B	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
	6/21/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	3.0	< 1.0
	7/15/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W8C	8/1/2006	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 10	< 1.0	< 1.0
	6/21/2011	< 0.25	< 0.28	< 1.0	< 5.0	< 0.25	< 0.6	< 0.5	< 0.25	< 0.14	< 0.33	< 0.15	< 0.11	< 0.1	< 0.2	< 1.0	3.1	< 1.0
	7/16/2013	< 5.0	< 5.0	< 50	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
W9A	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W9B	5/1/2004	< 1.0	< 1.0	< 1.0	NA	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 5.0	< 2.0	< 1.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS								
	Constituent	n-Propylbenzene	o-Xylene	Styrene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethene (TCE)	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date									
DP-01	6/1/2004	< 1.0	< 1.0	1.8	2.4	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-02	6/1/2004	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-03	6/1/2004	< 1.0	< 1.0	< 1.0	22.4	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-04	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-05	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	8.6	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-06	6/1/2004	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-07	6/1/2004	< 1.0	< 1.0	< 1.0	244	< 1.0	< 1.0	17.1	< 1.0	NA
DP-08	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-09	6/1/2004	< 1.0	< 1.0	< 1.0	18.3	< 1.0	< 1.0	1.5	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-10	6/1/2004	< 1.0	< 1.0	< 1.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-11	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	1310	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-12	6/1/2004	< 1.0	< 1.0	< 1.0	4.1	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-13	6/1/2004	< 1.0	< 1.0	< 1.0	3.7	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-14	6/1/2004	< 1.0	< 1.0	< 1.0	5.2	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	2.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
Dup	6/1/2004	< 1.0	< 1.0	< 1.0	5.4	< 1.0	< 1.0	< 1.0	< 1.0	NA
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS								
	Constituent	n-Propylbenzene	o-Xylene	Styrene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethene (TCE)	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date									
DP-15	6/1/2004	< 1.0	< 1.0	< 1.0	8.3	5.1	330	39	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	207.9	< 1.0	< 1.0	< 1.0	107.7	NA
DP-16	6/1/2004	< 1.0	< 1.0	< 1.0	26000	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	85950	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-17	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-18	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-19	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-62	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
DP-63	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-67	6/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	< 1.0	< 1.0	< 1.0	5.9	< 1.0	< 1.0	< 1.0	< 1.0	NA
EW-1	6/16/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/24/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
MIP-47	4/26/2011	< 0.15	< 0.25	< 0.11	< 0.15	0.39	< 0.2	< 0.13	< 0.18	< 0.2
PZ-1	6/16/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
PZ-17	6/28/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/9/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/10/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
PZ-2	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/16/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS								
	Constituent	**n-Propylbenzene**	**o-Xylene**	**Styrene**	**Tetrachloroethene (PCE)**	**Toluene**	**trans-1,2-Dichloroethene**	**Trichloroethene (TCE)**	**Vinyl Chloride**	**Xylenes, Total**
	Units	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
Location ID	**Sample Date**									
PZ-4	5/1/2004	< 1.0	< 1.0	< 1.0	2980	< 1.0	< 1.0	700	< 1.0	NA
Dup	5/1/2004	< 1.0	< 1.0	< 1.0	4410	< 1.0	< 1.0	810	< 1.0	NA
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/8/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/10/2015	< 0.54	1.5 J	< 0.57	300	1.6 J	30	53	1700	3.0 J
PZ-7	8/4/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
W10A	5/1/2004	< 1.0	< 1.0	< 1.0	76.3	< 1.0	< 1.0	7.6	< 1.0	NA
	6/10/2015	< 0.54	< 0.24	< 0.57	97	< 0.49	< 0.89	6.6	< 0.74	< 0.57
W10B	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/10/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/10/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/8/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
W10C	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
W11A	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/14/2011	< 0.15	< 0.25	< 0.11	0.22	< 0.33	< 0.2	< 0.13	0.48	< 0.2
	7/22/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W12A	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	5/15/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/3/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/8/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/22/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W13A	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/9/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/8/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W13B	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/20/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/8/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS								
	Constituent	n-Propylbenzene	o-Xylene	Styrene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethene (TCE)	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date									
W14A	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
W14B	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
W19A	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
W19B	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	7/1/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
W1A-R	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	5/10/2015	< 0.54	< 0.24	< 0.57	< 0.93	< 0.49	< 0.89	< 0.8	< 0.74	< 0.57
W1B-R	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/16/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
W20A	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
W20B	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	6/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
Dup	7/27/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
W21A	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	6/10/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
Dup	6/10/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
W21B	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
W24A	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
Dup	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	6/23/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
W24B	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
W29A	8/1/2006	< 1.0	< 1.0	< 1.0	12	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	6/4/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2010	< 0.15	< 0.25	< 0.11	1.6	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/10/2015	< 0.54	< 0.24	< 0.57	17	< 0.49	< 0.89	< 0.8	< 0.74	< 0.57
W29B	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS								
	Constituent	**n-Propylbenzene**	**o-Xylene**	**Styrene**	**Tetrachloroethene (PCE)**	**Toluene**	**trans-1,2-Dichloroethene**	**Trichloroethene (TCE)**	**Vinyl Chloride**	**Xylenes, Total**
	Units	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
Location ID	**Sample Date**									
W2A-R	5/1/2004	< 1.0	< 1.0	< 1.0	516.4	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dup	6/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/10/2015	< 0.54	< 0.24	< 0.57	220	< 0.49	< 0.89	1.3 J	< 0.74	< 0.57
Dup	7/10/2015	< 0.54	< 0.24	< 0.57	410	< 0.49	< 0.89	1.6 J	< 0.74	< 0.57
W2B-R	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/8/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
W2C-R	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
W30A	8/1/2006	< 1.0	< 1.0	< 1.0	15	1.1	8.7	12	200	< 2.0
Dup	8/1/2006	< 1.0	< 1.0	< 1.0	13	1.1	8.8	11	200	< 2.0
	6/4/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/10/2015	< 0.54	< 0.24	< 0.57	2.5 J	0.66 J	2.6 J	2.4 J	23	< 0.57
W30B	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
Dup	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
W39A-1	12/20/2009	335	422	< 50	9450	122	< 50	664	459	1072
Dup	12/20/2009	321	415	< 50	8000	121	< 50	632	467	1055
	4/28/2011	< 15	< 25	21	13000	< 33	38	610	360	< 20
	8/8/2013	< 5.0	< 5.0	< 5.0	10000	< 5.0	< 5.0	830	110	< 5.0
	1/10/2015	< 0.54	< 0.24	< 0.57	410	4.6 J	9.4	760	200	< 0.57
W39A-2	12/20/2009	< 50	< 50	< 50	131000	65.5	NA	51.5	< 50	< 50
	4/28/2011	< 300	< 500	< 220	170000	< 660	< 400	780	< 360	< 400
	8/8/2013	< 5.0	< 5.0	< 5.0	170000	60 J	< 5.0	< 5.0	< 2.0	< 5.0
	7/10/2015	< 540	< 240	< 570	150000	< 490	< 890	< 800	< 740	< 570
W40A-1	7/9/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/8/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/11/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W40A-2	8/6/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/14/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/11/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS								
	Constituent	n-Propylbenzene	o-Xylene	Styrene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethene (TCE)	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date									
W41A-2	7/19/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/14/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/10/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W41B	7/19/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
Dup	7/19/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/14/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/11/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
Dup	7/11/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W42A	8/4/2010	< 0.15	< 0.25	< 0.11	0.27	< 0.33	< 0.2	0.16	0.99	< 0.2
	6/14/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/22/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W4A-2	7/22/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/16/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/24/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W4A-R	5/1/2004	< 1.0	17.5	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	NA
Dup	5/1/2004	< 1.0	16.6	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	NA
	6/15/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/24/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W4B-R	5/1/2004	< 1.0	< 1.0	< 1.0	3.6	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/6/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
Dup	7/6/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/22/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/27/2012	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
	12/10/2012	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
	7/24/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
	4/8/2014	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
	8/10/2015	< 0.54	< 0.24	< 0.57	< 0.93	< 0.49	< 0.89	< 0.8	< 0.74	< 0.57
W5A	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA

Summary of Historical Groundwater Data
SoGreen Former Waste Pile Site, HSI Site No. 10142
Tifton, Tift County, Georgia

		ORGANIC COMPOUNDS								
	Constituent	n-Propylbenzene	o-Xylene	Styrene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethene (TCE)	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location ID	Sample Date									
W5B	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/17/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
W6A	6/2/2009	NA	NA	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
W7A	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	7/10/2015	< 0.54	< 0.24	< 0.57	1.7 J	< 0.49	< 0.89	< 0.8	< 0.74	< 0.57
W7B	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	10/13/2015	< 0.54	< 0.24	< 0.57	< 0.93	< 0.49	< 0.89	< 0.8	< 0.74	< 0.57
W8A	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/24/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W8A-2	7/22/2010	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	6/15/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	48	< 0.13	< 0.18	< 0.2
	7/15/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W8B	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	6/21/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/15/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W8C	8/1/2006	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	6/21/2011	< 0.15	< 0.25	< 0.11	< 0.15	< 0.33	< 0.2	< 0.13	< 0.18	< 0.2
	7/16/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	< 5.0
W9A	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
	6/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA
W9B	5/1/2004	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA

Notes:

SU - Standard Units

NTU - Nephelometric Turbidity Units

µg/L - micrograms per liter (a.k.a., parts per billion)

NA - Not Analyzed

Dup - indicates a duplicate sample

DP designated samples with the same date represent varying depths (listed shallow to deep)

Data Qualifier Definitions:

J - The analyte was detected, estimated due to QC criteria

< - Not detected at or above the RL

APPENDIX C

PROPOSED GROUNDWATER INVESTIGATION PLAN

April 18, 2016

Mr. C. Max Zygmont, Partner
Kazmarek Mowrey Cloud Laseter LLP
1230 Peachtree Street, NE, Suite 3600
Atlanta, Georgia 30309

Subject: SoGreen Groundwater Scope of Work
Amec Foster Wheeler Project Number 6123160068

Objectives

An initial groundwater investigation scope of work has been developed for the SoGreen Site to further assess hydrology and groundwater quality. Specifically, the data proposed for collection relate to:

- Surface water elevations in the Unnamed Creek and the tributary between the former municipal landfill and SoGreen Site;
- Groundwater flow directions in the northeast corner of the SoGreen Site (the "landfill corner"); and
- Carbon tetrachloride concentrations, if any, in groundwater up gradient of monitoring wells W7A and W7B.

This data will allow further assessment of where the tetrachloroethene (PCE) in the landfill corner and carbon tetrachloride at W7A and W7B are emanating from, i.e., the SoGreen Site or other properties such as the former municipal landfill and/or railroad property.

Staff Gauge, Piezometer & Monitoring Well Installation

Up to four (4) piezometers and ten (10) staff gauges will be installed within and near surface water features around the landfill corner to better define groundwater flow directions (see **Figure 1**). Piezometers will be advanced using direct push technology (Geoprobe™) or hand tools and will be installed with a five-foot, 1.25-inch PVC well screen. Staff gauges will be mounted to fence posts and installed within the stream bank using a slide hammer.

Two monitoring well couplets will be installed up gradient of W7A and W7B to evaluate groundwater elevations and carbon tetrachloride concentrations beneath the SoGreen Site cap. Boreholes will be advanced using Sonic drilling techniques, and each well couplet will have a ten-foot, 2-inch PVC well screen within Unit I and Unit III. Monitoring wells shall be developed after installation to establish a connection to surrounding groundwater. A boot seal shall be placed around each well to connect to the existing cap.

Environment & Infrastructure
Big Shanty Road, NW, Suite 100
Kennesaw, Georgia, USA 30144
Tel (770) 421-3400
Fax (770) 421-3486
www.amecfw.com

Continued…

Survey, Gauging & Sampling

All accessible new or existing piezometers, staff gauges, and monitoring wells will be surveyed for ground elevation (or surface water elevation) and for top of measuring point elevations by a GA licensed surveyor. Coincident with the survey, all such monitoring wells and piezometers within and around the SoGreen Site (shown on Figure 1) will be gauged for depth to water. All existing piezometers on the former municipal landfill property will also be gauged and surveyed (if necessary).

The two new well couplets up gradient of W7A and W7B (four wells total) will be sampled for VOCs via USEPA 8260B using low-flow sampling techniques. Wells W7A and W7B will be sampled at the same time to evaluate down gradient conditions at the time of sampling.

Data Analysis & Interpretation

Following completion of the gauging and surveying event, a revised potentiometric surface map will be prepared for the SoGreen Site with emphasis on flow directions in the landfill corner, and any need for additional hydrogeologic data will be identified. The potentiometric surface map is a key data quality objective regarding whether the former landfill is a potential source of PCE detections on the SoGreen Site. This potentiometric surface map will also cover the W7A and W7B area, where local flow gradients will be improved by the addition of the two new couplets. If carbon tetrachloride concentrations, if any, at the new couplets are significantly lower than those of W7A and W7B, it is likely that there is a source down gradient influencing local groundwater conditions.

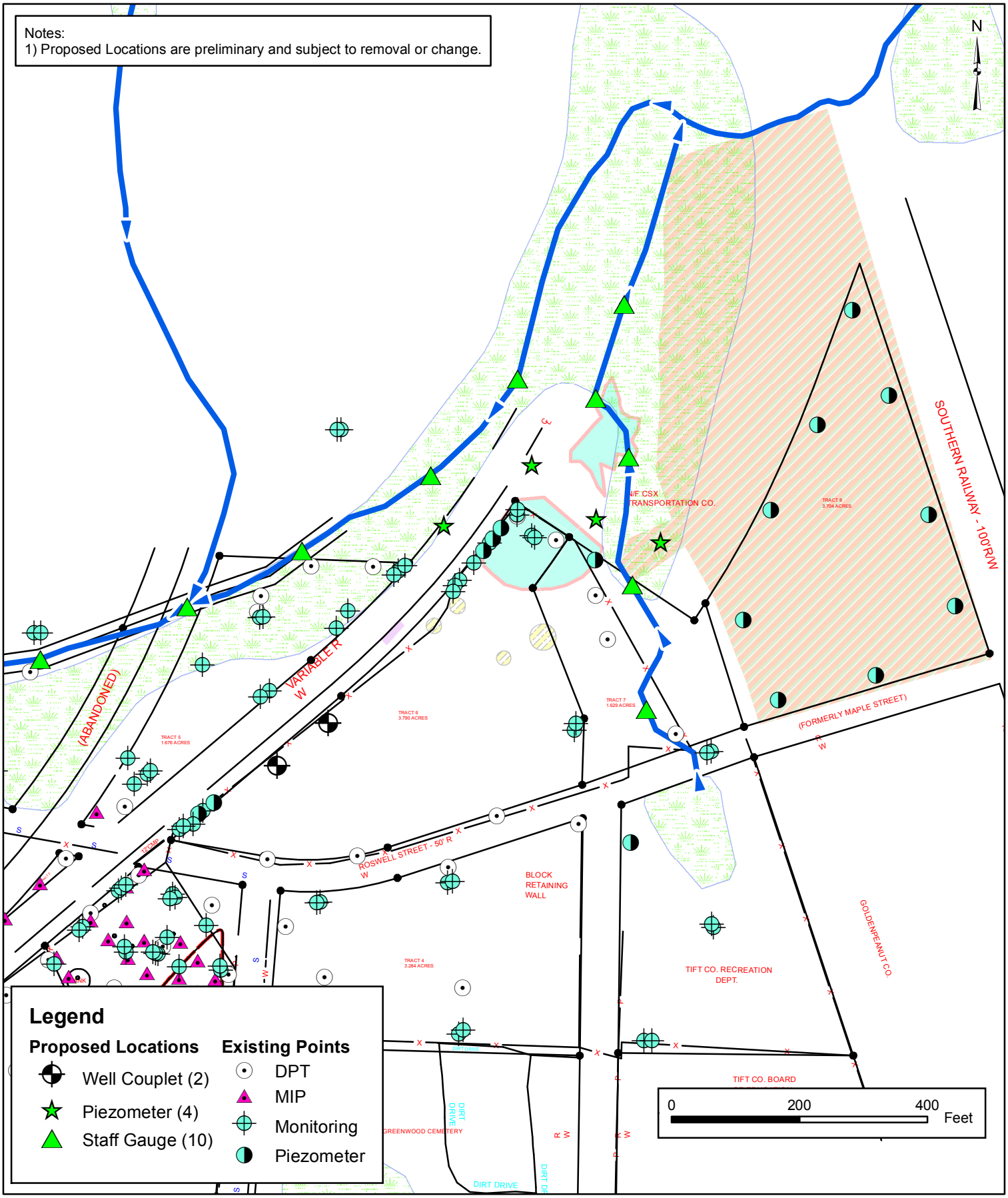
Sincerely,

Amec Foster Wheeler Environment & Infrastructure, Inc.

Alex Mikszewski, PE
Project Manager

Larry A. Neal PE
Principal Environmental Engineer

Attachment



amec foster wheeler
Amec Foster Wheeler Environment & Infrastructure
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Kennesaw, GA
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REPORT: PRELIMINARY SCOPE OF WORK FOR GROUNDWATER DATA GAPS	TITLE: POTENTIAL GROUNDWATER INVESTIGATION LOCATIONS
SITE: SOGREEN SITE TIFTON, GA	SCALE: 1 " = 200 feet; DATE: APRIL 2016; PROJECT: 6123160068
	DRAWN BY: Alex Mikszewski; CHECKED BY: Larry Neal

Figure 1

APPENDIX D

PROPOSED SOIL INVESTIGATION PLAN

truGround Environmental, LLC
90 Fairlie St NW |Suite 303 |Atlanta, GA |30303

TECHNICAL MEMORANDUM

TO: **Luis Nieves – Gerdau**
Max Zygmont – KMCL
Bob Mowrey – KMCL

FROM: James R. Henderson, P.E.

PROJECT: Parramore Fertilizer & SoGreen Site – Tifton, GA

SUBJECT: Proposed Soil Sampling Investigation

DATE: 19 April 2016

This technical memorandum provides the basis and specifications of a soil sampling investigation plan for the contaminants of concern (COCs)[1] at the above referenced Parramore Fertilizer Site & SoGreen Site (*the Sites*)[2].

Soil Sampling Objectives

As described below, statistical analysis of soil sampling associated with the Sites shows that soil sampling datasets for COCs on two parcels associated with the Sites—the Railroad Parcel and the Barren Area—are insufficiently robust to fully support the domain averaging analysis required to show compliance with risk reduction standards (RRS) within the Voluntary Remediation Program (VRP). The purpose of this soils sampling plan is to produce a dataset sufficiently robust to support domain averaging analyses on the Railroad Parcel and the Barren Area.

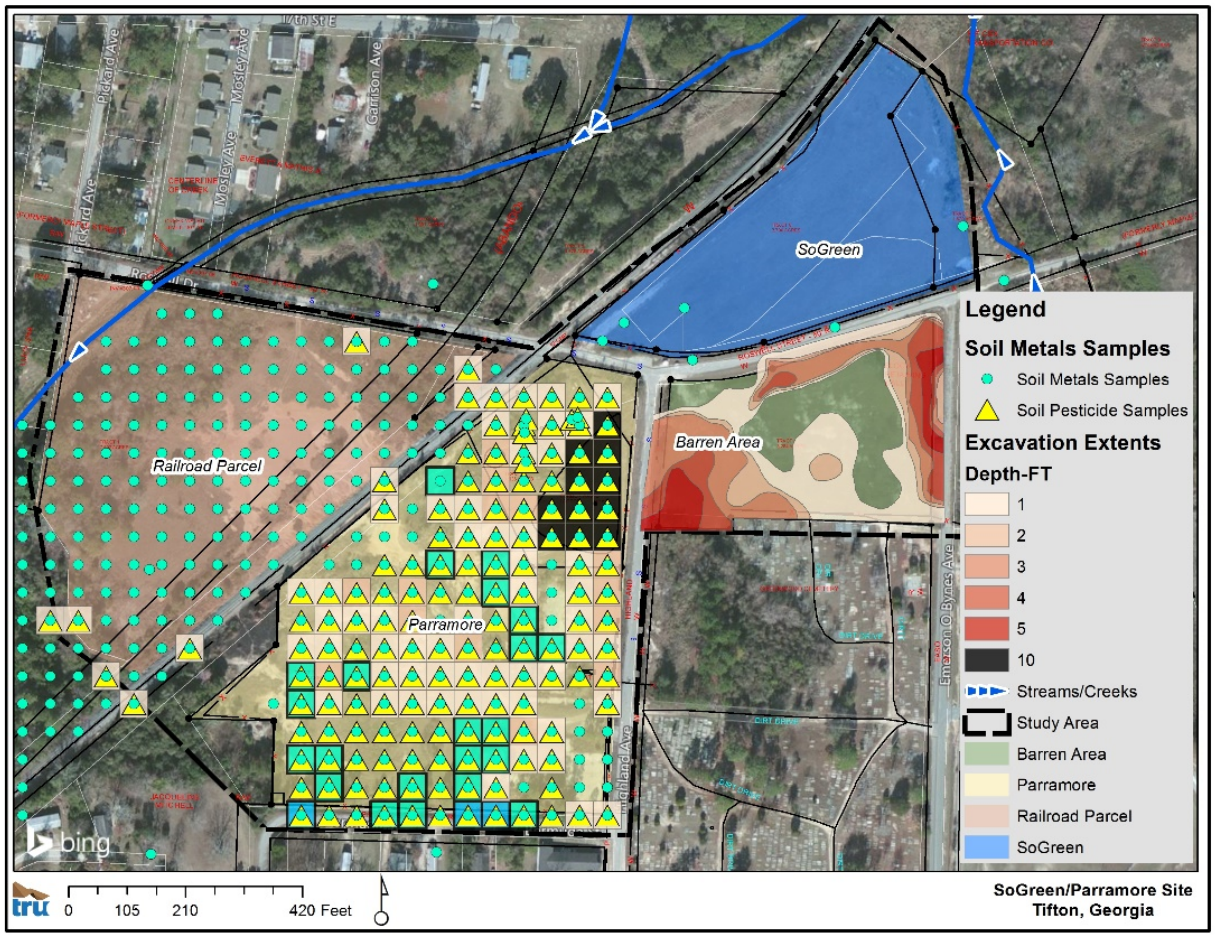
Geostatistical Development of Sampling Approach

At the Sites, various soil investigations and remediation/excavation activity since 1993 has culminated in the collection of approximately 1,000 soil samples with over 23,000 analytical results. The figure below illustrates the spatial coverage of both the historical, pre-remediation soils data and the extents of past remedial activity. Currently, the Site is unoccupied/vacant.

[1] Contaminants of Concern (COCs) include Metals (cadmium, chromium, copper, lead, zinc) and Pesticides (a-BHC, b-BHC, DDD, DDE, DDT, Dieldrin, Heptachlor, Heptachlor Epoxide, Lindane, Toxaphene)

[2] SoGreen Site is defined as HSI No. 10142 and Parramore Fertilizer Site is defined as HSI No. 10143.

Figure 1 – Historical Samples and Remedial Activity



As part of evaluating whether to enroll the Sites in the VRP, a review of the existing surficial (0-2 FT) soils was completed. To this end, a geostatistical analysis was employed to assist in the identification potential data needs for soil domain averaging under the VRP, and development of optimal future sampling strategies to address any such needs.

The scope of this geostatistical analysis included the following step-wise methodology:

1. Perform exploratory review of existing soil data at the Site to assess general coverage; and
2. Perform necessary geostatistical analyses of COCs in soil specifically variography to assess and quantify data worth and/or data needs for domain averaging.

Step 1: Exploratory Data Analysis

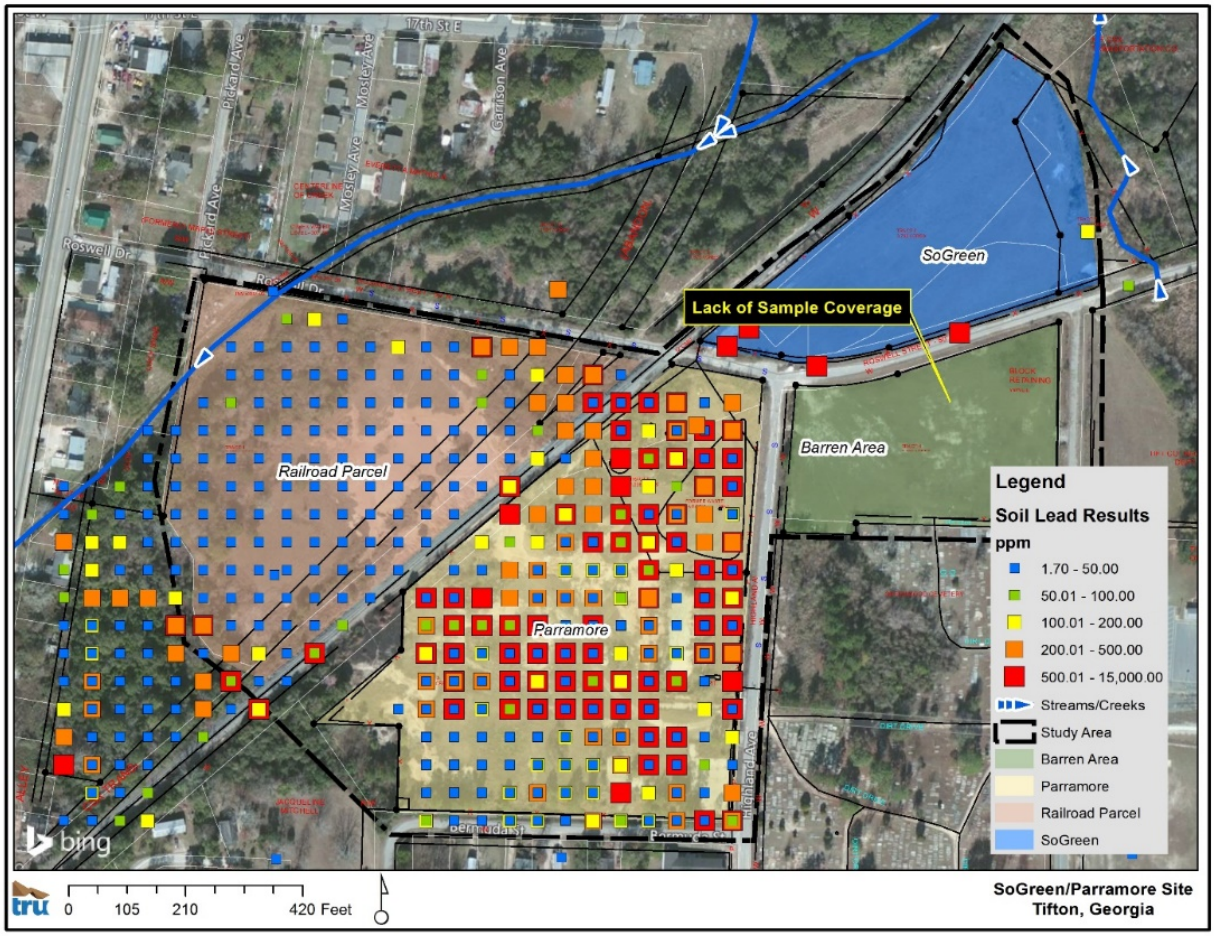
Using the GIS database for the Sites recently completed by Gerdau, the Site soils data were visually assessed to evaluate general spatial distribution of samples and relative COC concentrations as a function of historical operations and remedial activities. The spatial coverage was evaluated for all the COCs and the corresponding figures for each can be found in Appendix A. The discussion below focuses on the figures below for lead and copper (metals) and DDT (pesticides) as representative.

Spatial Distribution of Lead

The soil lead distribution and concentration gradients under pre-remedial/excavation conditions are illustrated on Figure 1 below. It is important to note that this represents the soil lead impacts prior to the 1995 excavation/backfill

remedial activities[3]. The remedial activities were designed to address (remove/excavate) soils with concentrations greater than a pre-defined criteria for metals COCs[4]. The remedial/excavation cutline boundaries are illustrated in the previous Figure (1).

Figure 2 – Spatial Distribution of Soil Lead Results



Visually there is uniform sample coverage on a 50-ft grid pattern throughout the Parramore and Railroad parcels. It's important to note that all historical sampling was based on composite 50'x50' block sampling, where the sample points on the Figure represent the centroid of the block. However, there is an obvious lack of soil sample coverage within the Barren Area parcel. Clearly, data is needed from the Barren Area if domain averaging is to be performed. Based on review of the GIS data and project documents, the Barren Parcel was subject to excavation remediation that removed impacted soil based upon soil TCLP results only and consequently total metals data appears not to have been obtained either prior to or after remedial activity. As shown on Figure 1, the majority of Barren Area parcel was excavated and backfilled, so it's expected that any future sampling of surface soils on this parcel would reflect clean fill results with little evidence of historical impacts.

[3] While post remedial conditions that take into account the removal of impacted soils with clean backfill will be recognized for the final evaluation of compliance with RRS, the understanding of how COC contamination patterns existed prior to removal/backfill is necessary to assist in the recognition of data needs and the design of future optimized sampling strategies to address these needs.

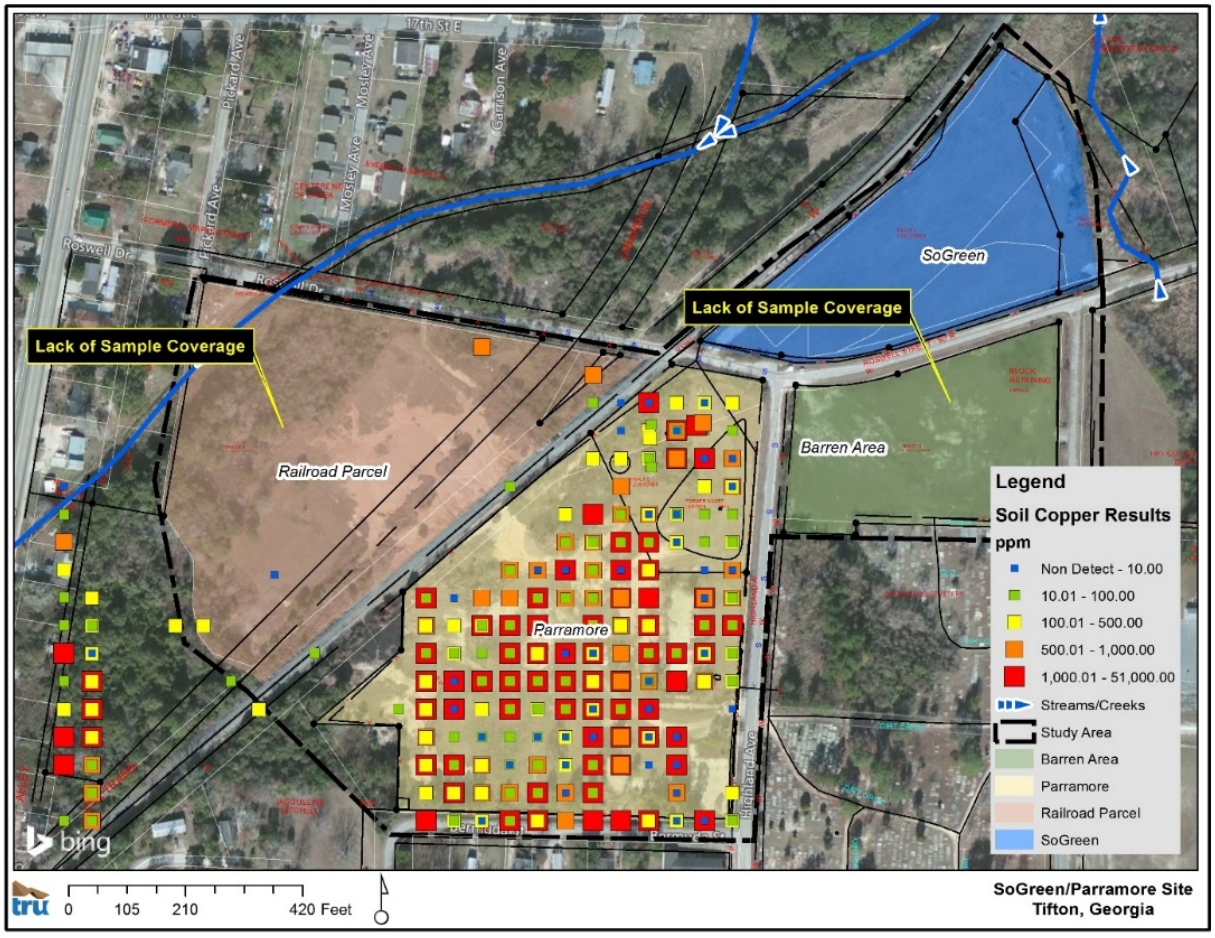
[4] The COC cleanup levels were: 500 ppm for lead, 39 ppm for cadmium, 400 ppm for chromium, 23,000 ppm for zinc, and 1,000 ppm for copper.

The remaining metal COCs displayed similar patterns to lead (see Appendix A) with the exception of copper, which is described next.

Spatial Distribution of Copper

The soil copper distribution and concentration gradients under pre-remedial/excavation conditions are illustrated on Figure 3 below. The distribution is relatively similar to the above described lead data with one exception, there is an additional obvious lack of copper soil data in the Railroad parcel. Based upon the review of historical project documents, it's unclear why copper was excluded from the analyte list during the historical investigations. Nevertheless, copper soils data is presently insufficient for domain averaging purposes on both the Barren Area and Railroad parcels.

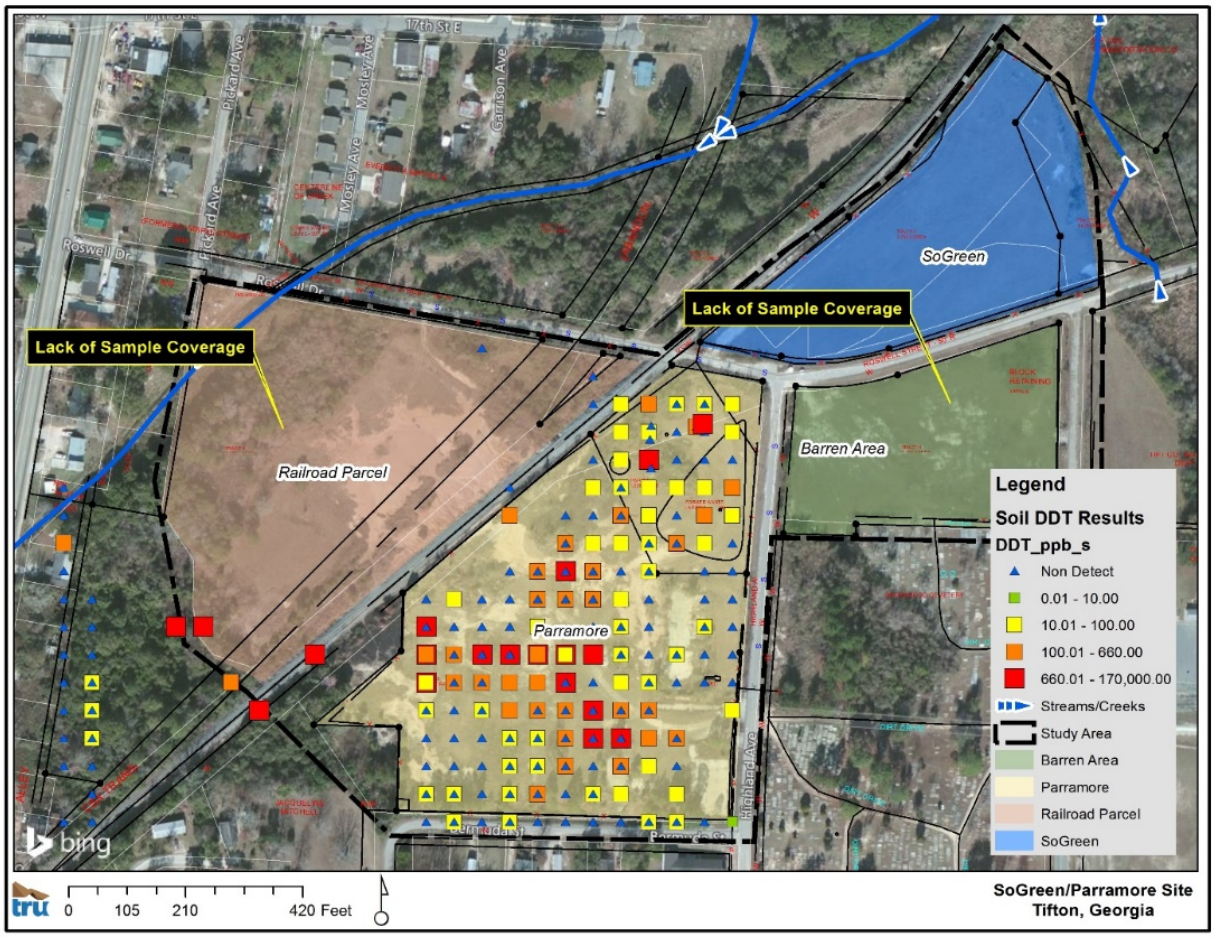
Figure 3 – Spatial Distribution of Soil Copper Results



Spatial Distribution of DDT

The soil DDT distribution and concentration gradients under pre-remedial/excavation conditions are illustrated on Figure 4 below. Visually there is uniform sample coverage on a 50-ft grid pattern throughout the Parramore parcel. However, there is an obvious lack of soil sample coverage within the Barren Area and Railroad parcel. The soil sample coverage for the remaining pesticide COCs is similar (see Appendix A).

Figure 4 – Spatial Distribution of Soil DDT Results



Step 2: Variography

With the data needs for domain averaging of soils concentrations identified in Step 1, the next step addressed how these data needs should be filled. Specifically, it addressed the question, "*How much additional data is needed to ensure that data is statistically adequate for performance of domain averaging?*" 'Additional data' refers to sample count or size (i.e. number of samples) and sample spacing (i.e. how far apart should the samples be collected). To answer this question, the original impact pattern from the historical pre-remedial data can be used to guide future sampling in the data gap area. Because the COC impact patterns observed at the Parramore parcel are reasonably expected to be similar to or more significant than potential impacts on the Railroad and Barren Area parcels, the geostatistical tool of variography can be used in the specification of sample size and spacing. And following the collection of additional data, variography can again be used to confirm the adequacy of that data for domain averaging purposes.

Variography forms the basis of geostatistics and it allows for the measure of spatial correlation within environmental datasets, which tend to exhibit spatial correlation (Isaaks, 1989; ASTM, 1996). Technically, it models differences between measured concentration values and their separation distance and orientation. Put simply, variography answers the question: "Are samples closer together more similar than samples further apart? And if so, how are they related mathematically where one can interpolate/estimate concentrations between actual measured/collected samples?"

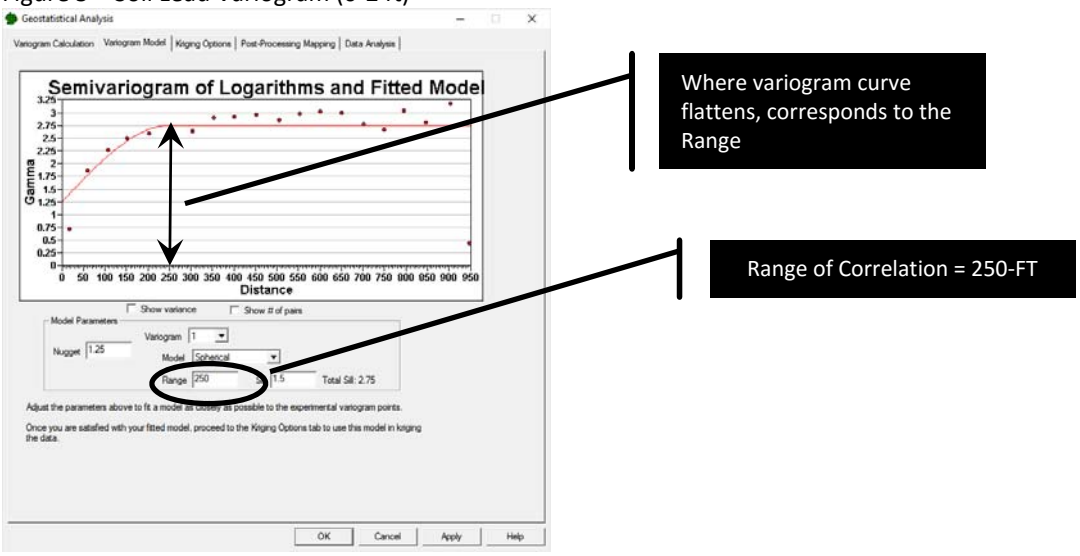
A full technical discussion of the fundamentals of variography is not presented here, however the following references provide the mathematical theory and application of variography to environmental datasets[5]:

- ASTM, Standard Guide for Analysis of Spatial Variation in Geostatistical Site Investigations, D5922, 1996.
- Englund, E., and A. Sparks, GEO-EAS (Geostatistical Environmental Assessment Software) User's Guide, EPA600/4-88/033, ENMSL, USEPA, Las Vegas, 1988.
- USEPA. 1996. Geostatistical Sampling and Evaluation Guidance for Soils and Solid Media., U.S. Environmental Protection Agency, Office of Environmental Information, Washington DC.

One key product of the plotted variogram is what is termed the 'Range' or the 'Range of correlation'. The Range represents the maximum distance (e.g. feet) between actual sampled points where concentrations can be estimated or interpolated with an acceptable level of statistical confidence (Englund, 1988). Stated differently, if a sample spacing were greater than this range, then the ability to interpolate concentrations between the sample locations would be significantly diminished. Thus, this Range of correlation is used as a guide for new or future sampling spacing to minimize redundant samples (samples spaced at distances much lower than the Range) or avoid divergent samples that are too far apart (samples much greater than the Range). (USEPA, 1996; Flatman, 1983)

Using the surficial soil data (0-2 ft) a variogram was generated for all the COCs associated with the Parramore parcel and the resulting Range of correlation was calculated for each COC. The variogram for the lead soil data is illustrated in Figure 5 below, and the calculated Range of correlation is 250 ft. Thus the soil lead data are correlated in such a way that concentrations can be interpolated (e.g. kriged) between samples that are no greater than 250-ft apart.

Figure 5 – Soil Lead Variogram (0-2 ft)



1 US DOE Visual Site Plan (VSP) Software Version 7.5 was used to generate variograms

The variograms for all the remaining COCs can be found in Appendix B and the table below summarizes the Ranges for each COC.

[5] It should be noted that geostatistics (variography) has been successfully applied and accepted by USEPA on numerous sites across the country. (USEPA, 1996)

Table 1 – Range of Correlation per COC

Analyte (COC)	Range of Correlation (ft)
Cadmium	250
Chromium	**125**
Copper	150
Lead	250
Zinc	150
a-BHC	150
b-BHC	150
DDD	175
DDE	325
DDT	160
Dieldrin	No correlation
Heptachlor	**125**
Heptachlor Epoxide	No correlation
Lindane	150
Toxaphene	160

As shown in the Table, the lowest (shortest) Range is 125-ft and the highest (longest) is 325-ft. There are also two COCs that demonstrated no correlation, which means that the soil data displayed a completely random pattern devoid of any spatial correlation and is often an indication that no release has occurred. This was observed in the dieldrin and heptachlor epoxide data sets where it was visually apparent (Figures A-11, and A-13) that the overwhelming majority of the samples were non-detect with just a few scattered/random low-level detections. Thus the variography confirms that there is no structured spatial release pattern and certainly suggests that both dieldrin and heptachlor epoxide show no evidence of an event release at the Site.

Therefore, based upon the above variography analyses, future sampling to address the above identified domain averaging data needs should have samples spaced are no farther apart than 125-ft.

Sampling Design

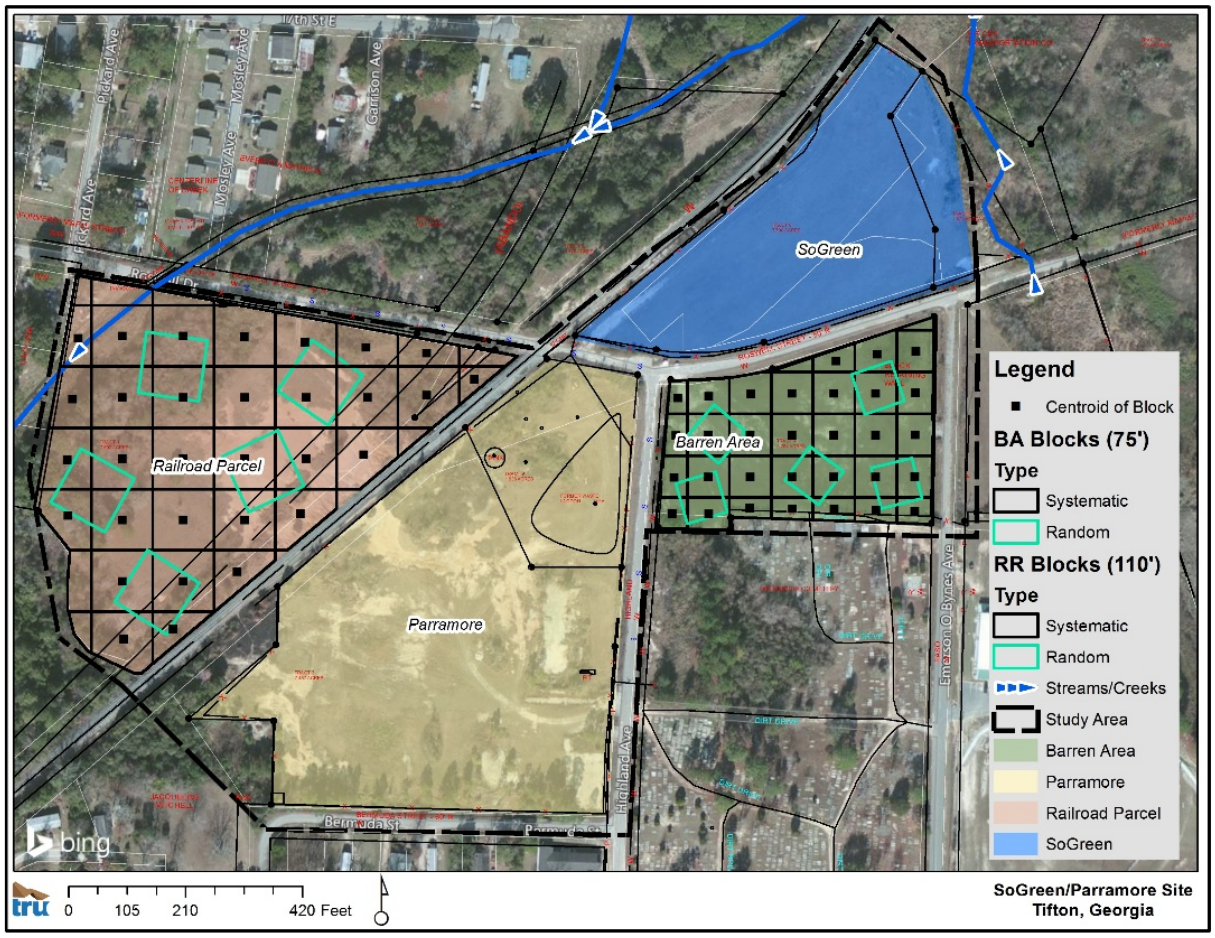
With the geostatistical analysis completed, a sampling design was developed to address the previously described domain averaging data needs on the Railroad and Barren Area parcels based upon the following criteria:

- Variography based sample spacing (i.e. samples spaced no greater than 125-ft)
- Minimum sample sizes that allow for statistical significance per parcel (30 samples)[6]
- Sufficient spatial variability to support future geostatistical kriging (USEPA, 1996)

To address the above criteria, VSP software was used, specifically the VSP *Sample Design Tool* function was first used to generate a minimum of 30 sample locations at a separation distance no greater than 125-ft on the Railroad and Barren Area parcels. Then, the VSP Sampling Design Tool was again used to located five (5) randomly placed samples for each data gap area to allow for additional sample spacing variability to augment the statistical robustness of future geostatistical kriging as needed. (USEPA, 1996) The figure below illustrates the sampling design for these parcels.

[6] USEPA statistical guidance typically recommends sample sizes of 30 or greater as rule-of-thumb to ensure statistical significance (USEPA, 2004; USEPA, 2006; Singh, 2003)

Figure 5 – Proposed Sampling Design



In sum, this sampling design provides:

Railroad (RR) Parcel

- 32 grid samples at 110-ft spacing, represented as systematic 110-ft square blocks
- 5 random samples, represented as systematic 110-ft square blocks
- Total sample size = 37

Barren Area (BA) Parcel

- 31 grid samples at 75-ft spacing, represented as systematic 75-ft square blocks
- 5 random samples, represented as systematic 75-ft square blocks
- Total sample size = 36

Within each grid, soils samples will be collected and analyzed as follows:

- Samples will be collected as a 4-quadrant aliquot composite. This method will maintain continuity with all historical data collected at the site which had been collected using a 4-quadrant composting pattern.
- The sample depth intervals will 0-1-ft and 1-2-ft, thus two composite samples per grid.
- Soil samples will be collected in accordance with the following USEPA guidance:
  - EPA SESDPROC-205-R3 – Field Equipment Cleaning and Decontamination
  - EPA SESDPROC-202-R3 – Management of Investigation Derived Waste
  - EPA SESDPROC-209-R3 – Packing, Marking, Labeling and Shipping of Environmental and Waste Samples

  - SESDPROC-300-R3 – Soil Sampling
  - SESDPROC-011-R4 0 Field Sampling Quality Control
- Soil samples from the Railroad parcel will be analyzed using EPA SW-846 Method 6010 (copper only) and EPA SW-846 Method 8081 (COC pesticides).
- Soil samples from the Barren Area parcel will be analyzed using EPA SW-846 Method 6010 (COC metals) and EPA SW-846 Method 8081 (COC pesticides).

References

ASTM, Standard Guide for Analysis of Spatial Variation in Geostatistical Site Investigations, D5922, 1996.

Englund, E., and A. Sparks, GEO-EAS (Geostatistical Environmental Assessment Software) User's Guide, EPA600/4-88/033, ENMSL, USEPA, Las Vegas, 1988.

Flatman, G.T., and A.A. Yfantis. 1983. Geostatistical Strategy for Soil Sampling: The Survey and the Census in Environmental Monitoring and Assessment. 4, 335-349.

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Singh, A. and Singh, A.K. (2003). Estimation of the Exposure Point Concentration Term (95% UCL) Using Bias-Corrected Accelerated (BCA) Bootstrap Method and Several other methods for Normal, Lognormal, and Gamma Distributions. Draft EPA Internal Report.

USEPA. 1996. Geostatistical Sampling and Evaluation Guidance for Soils and Solid Media., U.S. Environmental Protection Agency, Office of Environmental Information, Washington DC.

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USEPA. 2006. Data Quality Assessment: Statistical Methods for Practitioners. EPA QA/G-9S, EPA/240/B-06/003, U.S. Environmental Protection Agency, Office of Environmental Information, Washington DC.

Yates, S.R. and M.W. Yates, 1990 Geostatistics for Waste Management: A Users's Manual for the GEO PACK (Version1.0) Geostatistical Software System. EPA/600/8-90/004 (NTIS PB90-186420/AS).

APPENDIX E

REGISTERED PROFESSIONAL SUPPORTING DOCUMENTATION

TABLE E-1: SUMMARY OF HOURS INVOICED AND DESCRIPTION OF SERVICES

	Hours Invoiced	Billing Period	Invoice # & Date	Description of Services
Gregory J. Wrenn, P.E.	1	1/21/2017-2/17/2017	H09100033	Review existing data and site history; Kickoff meeting with KMCL
Total Project Hours for Billing Period	12.4		2/28/2017	
Gregory J. Wrenn, P.E.	4.00	2/18/2017-3/24/2017	H09100076	Preparation of VRP Application
Total Project Hours for Billing Period	105.4		3/24/2017	
Gregory J. Wrenn, P.E.	11.00	3/25/2017-4/21/2017	H09100125	Preparation of VRP Application; Meeting with KMCL
Total Project Hours for Billing Period	45.3		4/27/2017	
Total Hours for PE Gregory J. Wrenn	**16.00**			
Total Project Hours	**163.1**			