

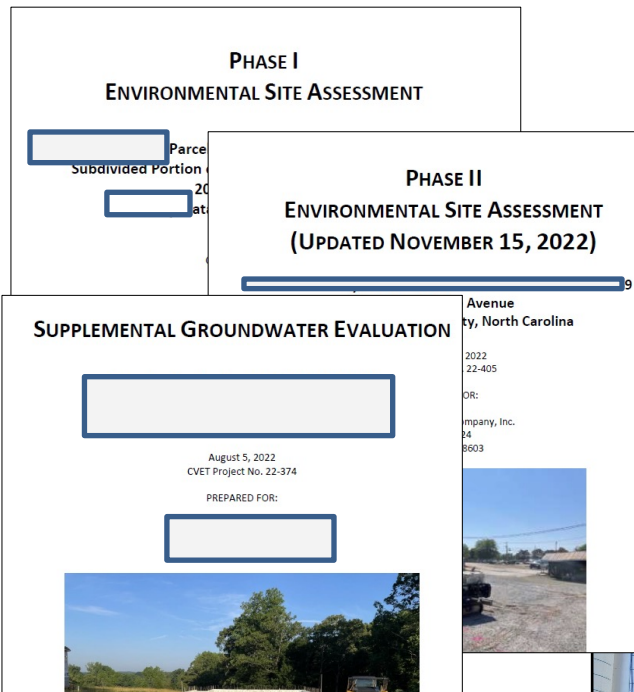
# Project Administration

## Environmental

One of the first steps in evaluating environmental problems is having a simple conversation. An initial discussion helps us determine what the problem is, potential implications of the issue, and how to go about resolving the concern. We believe that open communication through email messages, video conferencing, and on-site meetings can go a long way in making sure that our ideas are in line with our clients needs.

Additionally, environmental problems often come with a high volume of data and require careful tracking and management. We make use of the ArcGIS platform to store, edit, and visualize much of our data and believe this to be critical for evaluating complex problems.

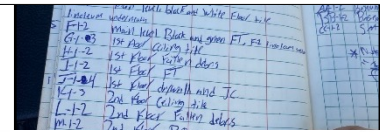
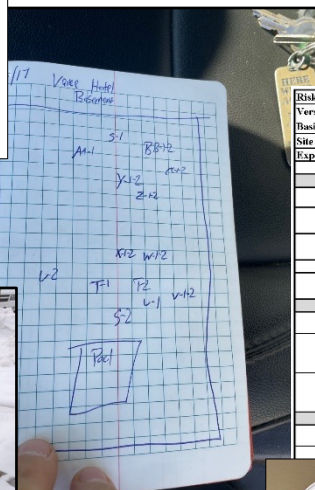
Scheduling and issuance of reports is managed through organized electronic calendars and a detailed internal review process.



**Table 1 - Soil Analytical Results for Detected Constituents**  
**Phase II ESA**

Detected Constituent	CAS No.	Protection of Groundwater PSRG (mg/kg)	Residential PSRG (mg/kg)	Commercial/Industrial PSRG (mg/kg)	Sample ID					
					4-15'	5-12'	6-12'	7-12'	8-15'	5-10'
Chloroform	67-66-3	0.39	0.34	1.5	0.0442	—	—	—	0.0371	—
Ethylbenzene	100-41-4	13	6.1	27	< 0.00370	—	—	—	0.00380 J	—
Methylene Chloride*	75-09-2	0.025	58	650	0.0360*	—	—	—	< 0.0188	—
Total Xylenes	1330-20-7	9.9	120	530	< 0.00460	—	—	—	0.014	—
Pentachlorophenol	87-86-5	0.0083	1	4	< 0.453	—	—	—	0.582 J	< 0.00997

Notes:  
mg/kg - milligrams per kilogram.  
VOCs - Volatile Organic Compounds  
SVOCs - Semi Volatile Organic Compounds  
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.  
\* Denotes that methylene is a common laboratory contaminant and is not considered to represent soil conditions  
-- No standard available/Not



**Risk for Individual Pathways**  
Version Date: July 2022  
Basic: May 2022 EPA RST Table  
Site ID: Incident # 44767  
Exposure Unit ID:

**DIRECT CONTACT SOIL AND WATER CALCULATORS**

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

**VAPOR INTRUSION CALCULATORS**

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	7.0E-06	1.6E-00	YES
	Soil Gas to Indoor Air	NC	NC	NC
Non-Residential Worker	Indoor Air	NC	NC	NC
	Groundwater to Indoor Air	1.6E-06	3.7E-01	NO
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

**CONTAMINANT MIGRATION CALCULATORS**

Pathway	Source	Target Receptor Concentrations Exceeded?
Groundwater	Source Soil	Exceedence of 2L at Receptor? NC
	Source Groundwater	Exceedence of 2L at Receptor? NC
	Source Soil	Exceedence of 2B at Receptor? NC
Surface Water	Source Soil	Exceedence of 2B at Receptor? NC
	Source Groundwater	Exceedence of 2B at Receptor? NC

...were entered in the exposure point concentration tables, see the individual calculator sheets for lead prior to screening levels. Note that lead is not included in cumulative risk calculations.  
...in groundwater exceed the SNC 2L Standards or DdAC, or concentrations in surface water exceed the SNC remediation and/or institutional control measures will be necessary to be eligible for a risk-based calculated