

PHASE I ENVIRONMENTAL SITE ASSESSMENT

City of Clearwater

1250 Cleveland Street Parcel ID: 15E-29S-15-65286-000-0190,

1264 Cleveland Street Parcel ID: 15E-29S-15-65286-000-0191

1274 Cleveland Street Parcel ID: 15E-29S-15-65286-000-0180

1273 Grove Street Parcel ID: 15E-29S-15-58788-000-0280

1277 Grove Street Parcel ID: 15E-29S-15-58788-000-0290

20 South Betty Lane Parcel ID: 15E-29S-15-58788-000-0130

Clearwater, Pinellas County, Florida

Shaw Project No.: 140338

September 17, 2010

Prepared for:

Ms. Diane Hufford
Economic Development Coordinator
City of Clearwater
112 South Osceola Avenue
Clearwater, FL 33756

Submitted by:


Shaw™ Shaw Environmental, Inc.
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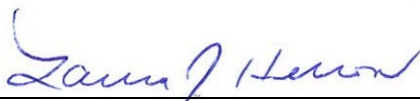
Clearwater, Pinellas County, Florida

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September 17, 2010

I declare that, to the best of my professional knowledge and belief, I meet the definition of *environmental professional*, or have worked under the supervision or responsible charge of a person meeting the definition of *environmental professional*, as defined in Section 312.10 of 40 CFR.

Prepared by:

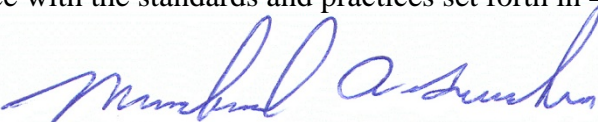


Laura J. Herron, CHMM, REM
Project Scientist

Date: _____

I declare that to the best of my professional knowledge and belief, I meet the definition of *environmental professional* as defined in Section 312.10 of 40 CFR, and I have the specific qualifications based on education, training, and experience to assess a *Property* of the nature, history, and setting of the *Property*. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Section 312.

Reviewed by:



Michael A. Gonsalves, P.G.
Senior Geologist

Date: _____

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1.0 Executive Summary

Shaw Environmental, Inc. (Shaw) is pleased to present this Phase I Environmental Site Assessment (Phase I ESA) report. Below is an overview of the project, including a summary of our significant findings:

Property name:	City of Clearwater
Property address (or other legal or physical Property location description):	1250/1254 Cleveland Street Parcel ID: 15-29-65286-000-0190 1264 Cleveland Street Parcel ID: 15-29-15-65286-000-0191 1274 Cleveland Street Parcel ID: 15-29-15-65286-000-0180 1271 and 1273 Grove Street Parcel ID: 15-29-15-58788-000-0280 1275 and 1277 Grove Street Parcel ID: 15-29-15-58788-000-0290 20 South Betty Lane: Parcel ID: 15-29-15-58788-000-0310. It should be noted this address is associated with the Pinellas County Property Appraiser's records. However, during the on-site reconnaissance, the property address as noted on the residence is 120 North Betty Lane. In this report, the parcel will be referred to as 20 South Betty Lane/120 North Betty Lane. Clearwater, Pinellas County, Florida
User of this report:	City of Clearwater
Reason for requesting the Phase I ESA:	Pre-Acquisition Due Diligence
Date of site reconnaissance:	August 27, 2010
Property description:	The Property consists of six parcels located in the East Gateway District of the City of Clearwater. The six parcels are located within a city block bounded by Cleveland Street to the north, Grove Street to the south, North Betty Lane to the east and South Lincoln Avenue to the west. Access to the parcels is by the aforementioned roads.
Property operations:	The Properties are developed as follows: 1250 Cleveland Street is the vacant Royal Palm Motel and 1254 Cleveland Street is the vacant Conti's Restaurant. These two facilities are attached to each other and are considered two buildings. 1264 Cleveland Street is the Viva Mexico Restaurant. 1274 Cleveland Street is the operating Economy Inn. 1271 and 1273 Grove Street is a rental duplex. 1275 and 1277 Grove Street is a rental duplex. 20 South Betty Lane/120 North Betty Lane is the Economy Innkeepers residence. This is an attached structure to the Economy Inn.

Summary of Property History

The parcel located at 1250 Cleveland Street has been the Congress Royal Palm Motel from 1963 to 1975 and was then known as the Royal Palm Motel since 1963 and is currently

defunct. The attached restaurant located at 1254 Cleveland Street has been known as “Le Petit Gourmet”, “Le Gourmet”, “Battensters Restaurant”, “Royal Palm Coffee House” and “Conti’s Restaurant” and is also currently defunct. The parcel located at 1264 Cleveland Street was known as Dobbs House Inc. Restaurant from 1963 to 1975, La Chaumiere Restaruant from 1975 to 1985, the Phone Booth Restaurant from 1985 to 1991, the Clearwater Coney Island Restaurant from 1991 to 1999, FESTA from 1999 to 2006 and the Viva Mexico Restaurant from 2006 to present. The parcel located at 1274 Cleveland Street was known as Quality Courts Motel from 1963 to 1971, Phillips Motor Inn from 1971 to 1975, Continental Motor Inn Downtown from 1975 to 1991, Seaway Continental Motor Inn from 1991 to 1999 and the Economy Inn from 1999 to the present. The parcels known as 1273 Grove Street (which includes 1271 Grove Street) and 1277 Grove Street (which includes 1275 Grove Street) have been rental duplexes since constructed in 1954 and have housed various tenants. The parcel located at 20 South Betty Lane (as identified in the Pinellas County Property Appraiser’s records) has a street address of 120 North Betty Lane and is a single family home attached to the Economy Inn located at 1274 Cleveland Street and was constructed in 1951.

Conclusions and Recommendations

Conclusions: Shaw performed a Phase 1 ESA in conformance with the scope and limitations of ASTM E1527 of six parcels located in the East Gateway District of the City of Clearwater identified as follows:

1250/1254 Cleveland Street Parcel ID: 15-29-65286-000-0190, Page 30 of Book 13988, Clearwater, Pinellas County, Florida.

1264 Cleveland Street Parcel ID: 15-29-15-65286-000-0191; 1274 Cleveland Street Parcel ID: 15-29-15-65286-000-0180; 1271 and 1273 Grove Street Parcel ID: 15-29-15-58788-000-0280; 1275 and 1277 Grove Street Parcel ID: 15-29-15-58788-000-0290; 20 Betty Lane: Parcel ID: 15-29-15-58788-000-0310, Page 821 of Book 13030, Clearwater, Pinellas County, Florida.

Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment did reveal the presence of recognized environmental conditions associated with this Property.

Recommendations for Additional Investigation: Based on the findings of this Phase 1 ESA, Shaw does recommend additional investigation of the Property as follows:

- 1250 Cleveland Street – possible soil and groundwater contamination resulting from discarded gasoline containers, pool chemicals, antifreeze and oily stormwater in the structure that housed the pool equipment. The possibility exists a clogged drain may be located in the floor of the structure or the concrete is continuous and preventing the

Conclusions and Recommendations

infiltration of this ponded water into the subsurface soils.

- 1250 Cleveland Street – possible presence of asbestos containing materials ACM due to the age of the buildings (constructed in 1949 and 1963). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1250 Cleveland Street – possible presence of soil and groundwater contamination from a former gasoline station located to the southeast of the parcel at 1261 Cleveland Street.
- 1254 Cleveland Street – possible soil and groundwater contamination from a 540 gallon in ground grease trap located on the facility building plans.
- 1254 Cleveland Street – possible presence of lead paint located on the exterior and interior woodwork and the interior walls as noted on the facility building plans.
- 1254 Cleveland Street - possible presence of ACM and lead paint due to the age of the building (constructed in 1949). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1254 Cleveland Street – possible presence of soil and groundwater contamination from a former gasoline station located to the southeast of the parcel at 1261 Cleveland Street.
- 1264 Cleveland Street - - possible presence of ACM and lead paint due to the age of the building (constructed in 1963). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1264 Cleveland Street – possible presence of soil and groundwater contamination from a former gasoline station located to the south/southeast of the parcel at 1261 Cleveland Street.
- 1274 Cleveland Street – abandonment of on-site potable well.
- 1274 Cleveland Street - possible presence of ACM and lead paint due to the age of the building (constructed in 1949). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1274 Cleveland Street -possible presence of soil and groundwater contamination from a former gasoline station located to the south of the parcel at 1261 Cleveland Street.
- 20 South Betty Lane/120 North Betty Lane – possible presence of soil and groundwater contamination due to the removal of a 200 gallon underground storage tank (UST) in August 2003. Information provided by the City of Clearwater regarding the UST removal did not provide information if the associated piping was removed and/or if soil samples were collected from the area surrounding the piping or if groundwater samples

Conclusions and Recommendations

were collected.

- 20 South Betty Lane/120 North Betty Lane - possible presence of ACM and lead paint due to the age of the building (constructed in 1951). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1271 and 1273 Grove Street - possible presence of ACM and lead paint due to the age of the building (constructed in 1954). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1275 and 1277 Grove Street - possible presence of ACM and lead paint due to the age of the building (constructed in 1954). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.

The following are considered *de minimus* conditions or are areas that should be noted as requiring attention by City of Clearwater:

- 1250 Cleveland Street – possible soil and groundwater contamination resulting from oily staining on asphalt located throughout the parking lot area.
 - 1264 Cleveland Street – removal of the two 55 gallon drums of spent cooking oil found in the parking lot area to the north of the facility.
 - 1274 Cleveland Street – access to the office area of the motel and the western room of the pool house. This area was off limits to the environmental professional conducting the Phase I ESA activities.
 - 1274 Cleveland Street – removal of the unknown volume above ground propane storage tank associated with the pool's heating equipment.
-

2.0 Introduction

Project Environmental Professionals

Environmental Professional:	Laura J. Herron, CHMM ,REM
Person(s) conducting site reconnaissance and interviews (if different from the Environmental Professional)	Same
Senior Report Reviewer:	Michael A. Gonsalves, PG

Résumés or other biographical sketch of the Environmental Professional(s) involved in the preparation of this report are included in Appendix A.

Scope of Services

Shaw conducted the work in accordance with the following specifications (hereinafter collectively referred to as the "Scope":

ASTM International (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-05 (ASTM E1527).

Additional services requested outside the ASTM E1527: None.

Limitations to this assessment are presented in Appendix B of this report.

Objective of this Phase I ESA:

The objective of this Phase I ESA was to identify, to the extent feasible, recognized environmental conditions (REC) as defined by ASTM E1527.

Exceptions to, or deletions from, the above referenced Scope of Work, including significant data gaps:	None, please refer to Section 8.0, "Other Environmental Considerations" for a list of non-scope considerations.
Weather-related Property restrictions:	None
Facility access restrictions:	Access was restricted to the Economy Inn office and the western room of the pool house at 1274 Cleveland Street.

3.0 *Property Description*

3.1 *Property Location*

Property name:	City of Clearwater
Property address (or other legal or physical Property location description):	1250/1254 Cleveland Street Parcel ID: 15-29-65286-000-0190 1264 Cleveland Street Parcel ID: 15-29-15-65286-000-0191 1274 Cleveland Street Parcel ID: 15-29-15-65286-000-0180 1271 and 1273 Grove Street Parcel ID: 15-29-15-58788-000-0280 1275 and 1277 Grove Street Parcel ID: 15-29-15-58788-000-0290 20 South Betty Lane/120 North Betty Lane: Parcel ID: 15-29-15-58788-000-0310 Clearwater, Pinellas County, Florida

Figure 1 in Appendix C presents a Site Location Map, (USGS 7.5-minute Quadrangle or similar) showing the location of the Property. Figure 2 in Appendix C presents a Site Map depicting the parcels that comprise the Property.

3.2 *Property Description*

Property description (acreage, structures, roads, and other improvements):	<p>The Property consists of six parcels located in the East Gateway District of the City of Clearwater as depicted on Figure 2. The six parcels are located within a city block bounded by Cleveland Street to the north, Grove Street to the south, North Betty Lane to the east and South Lincoln Avenue to the west. Access to the parcels is by the aforementioned roads.</p> <p>1250/1254 Cleveland Street is a 0.5 acre parcel with three buildings: Building 1 comprises 2,602 square feet, Building 2 comprises 5,396 square feet and Building 3 comprises 3,318 square feet. Building 1 and Building 2 have two floors. A driveway and associated parking lot provides access to the three buildings. The parcel is improved with a pool and associated patio/deck. A pool house is located to the north of the pool.</p> <p>1264 Cleveland Street is a 0.1 acre parcel with one building that comprises 1,449 square feet. A driveway and associated parking lot provides access to the building.</p> <p>1274 Cleveland Street is a 1.3 acre parcel with one building that comprises 17,287 square feet. The property is improved with a pool and associated patio/deck. A pool house is also located in the eastern portion of the property. A driveway and associated parking lot provides access to the building.</p> <p>1271 and 1273 Grove Street is a 0.1 acre parcel with one building that comprises 1,610 square feet and is improved with two driveways.</p> <p>1275 and 1277 Grove Street is a 0.1 acre parcel with one building that comprises 1,730 square feet and is improved with two driveways.</p> <p>20 South Betty Lane/120 North Betty Lane is a 0.14 acre parcel with one building that comprises 1,116 square feet and is improved with an attached garage and driveway.</p>
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Estimated percentage of Property covered by buildings and/or pavement:	<p>1250/1254 Cleveland Street: 95% of the property is covered by buildings, pool/patio and/or pavement.</p> <p>1264 Cleveland Street: 100% of the property is covered by the building and pavement.</p> <p>1274 Cleveland Street: 90% of the property is covered by buildings, pool/patio and pavement</p> <p>1271/1273 Grove Street: 85% of the property is covered by buildings and pavement.</p> <p>1275/1277 Grove Street: 85% of the property is covered by buildings and pavement.</p> <p>20 South Betty Lane/120 North Betty Lane: 75% of the property is covered by buildings and pavement.</p>
Property operations:	<p>1250/1254 Cleveland Street is a defunct motel and associated restaurant.</p> <p>1264 Cleveland Street is operating as a restaurant.</p> <p>1274 Cleveland Street is operating as a motel.</p> <p>20 South Betty Lane/120 North Betty Lane is a residence.</p> <p>1271 and 1273 Grove Street is a duplex rental property with both units occupied.</p> <p>1275 and 1277 Grove Street is a duplex rental property with the unit at 1275 vacant and 1277 occupied.</p>
Type of sewage disposal system (and age):	The Property is connected to sewer services per Ms. Carmen Pagan of the City of Clearwater Utilities Department. The parcel located at 1274 Cleveland Street was connected to City sewer services on April 7, 1949 per a review of files at the City of Clearwater Building Department. It is unknown when the other parcels were connected to City sewer services.
Potable water source:	The Property is connected to City water services per Ms. Carmen Pagan of the City of Clearwater Utilities Department. However, the rental property located at 1273 Grove Street had the water turned off on June 17, 2010. Per a conversation with Ms. Maria Dedrick, Property owner, an on-site potable well was used previously for water on the 1274 Cleveland Street and 20 South Betty Lane/120 North Betty Lane parcels.
Electric utility:	The Property is connected to Progress Energy.
Natural gas:	The parcels located at 1250/1254, 1264 and 1274 Cleveland Street are connected to natural gas through Clearwater Gas. The parcels located at 1271/1273 and 1275/1277 Grove Street do not have access to natural gas.
Energy source(s) for heating:	The pool heater associated with the former Royal Palm Hotel located at 1250 Cleveland Street was connected to natural gas. The pool located at the Economy Inn, 1274 Cleveland Street was heated using propane. The residence located at 20 South Betty Lane/120 North Betty Lane previously used a 200 gallon UST containing fuel oil for heating purposes.
Current uses of adjoining properties, North:	To the north of 1250/1254 Cleveland Street are single family homes located at 1237 and 1241 Grove Street, to the north of 1264 Cleveland Street is the parking lot of the Economy Inn at 1274 Cleveland Street, to the north of 1274 Cleveland Street are the residences located at 1247, 1271/1273 and 1275/1277 Grove Street, to the north of 20 South Betty Lane/120 North Betty Lane is a multi-family home located at 1254 Grove Street, to the north of 1275/1277 Grove Street is a single family home located at 1250 Grove Street, to the north of 1271/1273 Grove Street is a single family home located at 1244 Grove Street.

South:	To the south of 1250/1254 Cleveland Street is the Ultimate Medical Academy located at 1255 Cleveland Street, to the south of 1264 Cleveland Street is the business, "Cash Register Auto Insurance" located at 1261 Cleveland Street, to the south of 1274 Cleveland Street is the business "Maxa Enterprises Court Reporting" located at 1275 Cleveland Street, to the southeast of 1274 Cleveland Street is an Exxon Gas Station located at 1285 Cleveland Street, to the south of 20 South Betty Lane/120 North Betty Lane, 1275/1277 and 1271/1273 Grove Street is the Economy Inn located at 1274 Cleveland Street.
East:	To the east of 1250/1254 Cleveland Street is the "Viva Mexico" restaurant located at 1264 Cleveland Street and the Economy Inn located at 1274 Cleveland Street, to the east of 1264 Cleveland Street is the front driveway and associated parking areas for the Economy Inn at 1274 Cleveland Street, to the east of 1274 Cleveland Street is "Verizon" located at 1285 Cleveland Street, to the east of 20 South Betty Lane/120 North Betty Lane is the parking lot associated with the Verizon building located at 1285 Cleveland Street, to the east of 1275/1277 Grove Street is the single family residence located at 20 South Betty Lane/120 North Betty Lane, to the east of 1271/1273 Grove Street is the duplex located at 1275/1277 Grove Street.
West:	To the west of 1250/1254 Cleveland Street is the business "A Very Important Pet" located at 1242 Cleveland Street and a parking lot, to the west of 1264 is the former Royal Palm Motel/Conti's Restaurant located at 1250/1254 Cleveland Street, to the west of 1274 Cleveland Street are the properties located at 1264 Cleveland Street, Viva Mexico Restaurant and the former Royal Palm Motel/Conti's Restaurant located at 1250/1254 Cleveland Street, to the west of 20 South Betty Lane/120 North Betty Lane is the duplex located at 1275/1277 Grove Street, to the west of 1275/1277 Grove Street is the duplex located at 1271/1273 Grove Street, to the west of 1271/1273 Grove Street is the single family home located at 1247 Grove Street.

Site photographs are provided in Appendix D. All site photographs taken during the site reconnaissance are included on the attached CD.

3.3 *Physical Setting of Property*

Topography:	Based upon the site inspection and the review of the applicable USGS topographic quadrangle, the Property slopes to the northwest beginning at an elevation of approximately 40 feet above mean sea level sloping to approximately 35 feet above mean sea level. The surrounding area varies in elevation from 30 to 50 feet above mean sea level.
Geology	According to the EDR Geocheck Report, the Property is located in an area developed during the Cenozoic era, of Tertiary System and Miocene Jackson Group Series in a Stratified Sequence. The primary soil component is urban land.
Hydrogeology:	The Property has a quick infiltration rate, with well to excessively drained soils.
Flood plain:	The Property lies outside both the 100-year and 500-year flood zone according to the FEMA flood map #12103C0108H.

Depth to groundwater:/ gradient:	Regional data presented in the EDR Report suggests groundwater flow direction is often consistent with topographical conditions in the absence of pumping wells. Since review of the topographic map indicates that the general topographic gradient is to the northwest, groundwater flow is also believed to be mainly to the northwest. This direction of ground water flow is supported by a review of environmental reports for facilities identified in the EDR Report. The EDR does not provide data that indicates the depth to groundwater at the site, however a review of environmental reports for facilities identified in the EDR report indicate a groundwater depth of 5 feet below land surface in this area.
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Unless otherwise stated, groundwater gradient was estimated based on Property and regional topography and surface features such as streams, lakes, and wetlands. Supporting information is found in Appendix E

Sources of the above information include:

- Environmental Data Resources
- Soil Survey
- USGS Topographic Maps
- FEMA Flood Insurance Rate Map
- Various Environmental Reports reviewed for facilities identified within a 0.25 mile radius of the Property.

4.0 User-Provided Information

Before initiating the Phase I ESA, Shaw discussed the project with representatives of the User of this report as described in Section 1.0. Additionally a Project Initiation Sheet and ASTM User Questionnaire was completed and are included in Appendix E. The table below presents a summary of the information provided by the User that was considered by the User as material to RECs in connection with the Property.

Title records:	A 50-year Chain of Title was provided by the user of this report found in Appendix E.
Environmental liens:	None provided.
Activity and use limitations (deed restrictions, etc.):	None provided.
Knowledge of Property price reductions (devaluation) below fair market value due to environmental considerations:	None provided.
Are you aware of any pending, threatened or past litigation relevant to hazardous substances or petroleum products in, on, or from the Property; administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Property; or notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	No.
Property plans and/or descriptions:	Pinellas County Property Appraiser information provided in Appendix E. .
Previous environmental reports:	A " Fuel Oil UST Closure Assessment, 1274 Cleveland Street, Clearwater, Florida" dated August 20, 2003, authored by Envirochek, Inc., signed by Steven D. Stratton, provided by the City of Clearwater. According to current property owner, Ms. Maria Dedrick, the UST was not removed from the property located at 1274 Cleveland Street, but rather it was removed from the residence located at 20 South Betty Lane/120 North Betty Lane. This report can be found in Appendix E.
Actual, commonly known, or reasonably ascertainable information or other knowledge that may be material to RECs (describe):	According to Ms. Maria Dedrick, a potable well was previously used a source of water for the property located at 1274 Cleveland Street. Evidence of this well was not encountered during the Property reconnaissance nor was information regarding this well provided in the EDR Report, Southwest Florida Water Management District (SWFWMD) or Department of Health databases.

5.0 Records Review

5.1 Standard Environmental Records Sources

The regulatory agency database was obtained from Environmental Data Resources, Inc. (EDR), Report ID No. 2850801.2s. A complete copy of the database report as provided by EDR, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix F.

The Property was not identified in any of the environmental databases accessed. In addition, twenty-three (23) facilities were identified in the databases within a one quarter mile ASTM search radii, eighteen (18) facilities were identified in the databases within a one half mile ASTM search radii, and one facility was identified in the databases with a mile ASTM search radii. Ten (10) orphan sites were identified, one site was listed in the Manufactured Gas Plant Database and it was listed twice (Clearwater Coal Gasification Plant) on the orphan list. Another site was identified in the Brownfield's database. All ten orphan sites are more than 1 mile from the Property.

Based on the database assessment criteria presented in Appendix B, none of the sites within a quarter, half-mile or mile radius and the orphan sites were considered a REC. Supporting documentation for information regarding these facilities identified in the table below is provided in Appendix E. Please see the table below for a summary of information found on the facilities identified in the EDR database report:

Facility	Address	FAC ID	Type of Site	Information Found
Community Health Center	1108 N. Greenwood Avenue	BF529701001	Brownfield's	*SRCO – 7/28/2000
1315 Cleveland Street	1315 Cleveland Street	None	Brownfield's	None
Car Pro	1359 Cleveland Street	None	Brownfield's	*SRCO 1/10/2009
Washington Street Properties	312 Washington Avenue	None	Brownfield's	None
1170 Court Street	1170 Court Street	None	Brownfield's	None
19 City Owned Lots	Court Street & S. Madison Avenue	None	Brownfield's	None
Clearwater Automotive Site	205 S. Martin Luther King Jr. Avenue	BF529701004	Brownfield's	*SRCO 6/12/2009
Dimmit Parcel B	901-927 Cleveland Street	BF529701002	Brownfield's	*SRCO12/18/2009
Former Clearwater Sun	301 South Myrtle	BF529701003	Brownfield's	*SRCO 1/16/200

Facility	Address	FAC ID	Type of Site	Information Found
Preferred Auto Lease	1165 Cleveland Street	8515495	Petroleum	**NFRAP 5/26/1995
Dodges Store Savings Station	1194 NE Cleveland Street	8515525	Petroleum	None
Clearwater Nash/Goodyear Auto Service Center	1196 Cleveland Street	8630867	Petroleum	None
Clearwater Nash/Goodyear Auto Service Center	1196 Cleveland Street	FLD981857436	RCRA	None
Plaza 66 Service	1241 Cleveland Street	None	None	None
GTE Credit Union/Ed Lowe Gulf Service	1261 Cleveland Street	9400721	Petroleum	None
Verizon	1280 Cleveland	8630910	Petroleum	In compliance - 6/22/2010
Lee's Sinclair Service/Suncoast #22/FINS Suncoast Oil Co.	1285 Cleveland Street	8515574	Petroleum	*SRCO 3/5/2009
Manal Oil Inc./Highway Oil Co.	1310 Cleveland Street	8515315	Petroleum	Assessment, ground water flow to the east away from Property
FDOT	SW Corner HWY 590 & NE Cleveland Street	9800302	Petroleum	None
Fashion Cleaners & Shirt Laundry	1152 Court Street	8630879	Petroleum	None
Fashion Cleaners & Shirt Laundry	1152 Court Street	FLD032206807	Dry Cleaners	Violations – Corrective Action Taken, 9/3/2010
Sunshine Car Wash	1175 Court Street	8515582	Petroleum	None
Infinity Mobil Co.	10 N. Missouri Avenue	None	Petroleum	None
City of Clearwater, City Hall Annex	10 S. Missouri Avenue	8624543	Petroleum	None
U-Haul Center	201 S. Missouri Avenue	8515618	Petroleum	None
Discount Auto Air	Court Street & Missouri Avenue	8624534	Petroleum	None
Discount Auto Service	501 S. Missouri Avenue	8515237	Petroleum	None
City of Clearwater/Former Montgomery Wards	SW corner Missouri Avenue & Cleveland Street	9401089	Petroleum	*SRCO 1/04

Facility	Address	FAC ID	Type of Site	Information Found
Clearwater Country Club	525 N. Betty Lane	8733519	Petroleum	*SRCO 10/4/02
AAMCO Transmission	201 S. Greenwood Avenue	8630822	Petroleum	Assessment, groundwater flow to the west.
Aneco Co.	400 S. Greenwood Avenue	8735150	Petroleum	Assessment, groundwater flow to the west/northwest.
Spic N Span Laundry Cleaners Inc.	1249 Cleveland Street	None	Dry Cleaners	None
Peacock Cleaners Launderers	1220 Cleveland Street	None	Dry Cleaners	None
Econ o wash	203 S. Lincoln Avenue	None	Dry Cleaners	None
The Laundrytorium	16 N. Missouri Avenue	None	Dry Cleaners	None
Friendlys Drycleaning Laundry/Cleveland Plaza Shopping Center	11S. Missouri Avenue	9800310	Dry Cleaners	None
One Hour Martinizing	1162 Cleveland	None	Dry Cleaners	None
Gulf Bay Laundromat	1166 Cleveland Street	None	Dry Cleaners	None
American Eagle Cleaners/Spotlite Cleaners	1350 Cleveland Street	982096927	Dry Cleaners	None
Clearwater Gasification Plant	400 Myrtle Avenue	None	Ground Water Cleanup	Assessment, ground water flow to the northwest, facility located greater than 1 mile west of Property.

*SRCO = Site Rehabilitation Completion Order

**NFRAP = No Further Remedial Action Planned

5.1.1 Local Fire Department Records

Agency Contacted (Name, Address, Phone Number)	Description of records
Pinellas County Fire and Rescue 610 Franklin Street Clearwater, FL 33756-5414 Bobbie Eigenmann 727-562-4334	<p>There were two fires reported for the parcel 1274 Cleveland Street on the following dates:</p> <ul style="list-style-type: none"> December 3, 1989 – Three alarm fire, \$125,000 in damages caused. Cause was multiple ignition sources in carport. January 10, 1993 – Unknown amount of damages. Cause was electrical short circuit in bedroom. <p>Records do not exist for the parcels 1250/1254 and 1264 Cleveland Street, 1277/1275 and 1273/1271 Grove Street, and 20 South Betty Lane/120 North Betty Lane. According to Ms. Bobbie Eigenmann, records for the Fire Department are available back to 1999.</p>

Supporting documentation regarding the above information can be found in Appendix E.

5.1.2 Local Health Department/ State Environmental Agency Records

Agency Contacted (Name, Address, Phone Number)	Description of records
Pinellas County Health Dept. 4175 East Bay Drive Clearwater, FL 33764 Will Christian 727-507-4336	Records were not found for the Property.

5.2 History

The table below presents a summary of the operational history of the Property. The summary is an integration of the findings of the individual historical record sources presented in subsequent sections.

Summary of Property History	
Dates	Property Use
1942	Undeveloped, wooded.
1957	1250/1254 Cleveland Street Hotel/Restaurant and pool present, 1264 Cleveland Street, cleared/undeveloped, 1274 Cleveland Street Hotel and pool present, 20 South Betty Lane/120 North Betty Lane residence is present. 1277/1275 Grove Street cleared/undeveloped, 1273/1271 Grove Street, small structure present, does not appear to be the duplex currently located on the parcel.
1970	The Property is the same as in 1957 with the exception that 1277/1275 Grove Street and 1271/1273 Grove Street are developed with the duplexes that currently exist on the parcels.
1997	Same as in 1970.

Summary of History of Properties in Surrounding Area	
Direction	Past Surrounding Property Use(s)
North	Undeveloped, wooded in 1942 residential from 1957 to present.
East	Undeveloped, wooded in 1942, commercial from 1957 to present.
South	Undeveloped, wooded in 1942, commercial from 1957 to present.
West	Undeveloped wooded in 1942, commercial/residential from 1957 to present.

Facilities of potential environmental concern on the Property or in the vicinity are further discussed in Sections 5.2.1 through 5.2.8, below and supporting information is provided in Appendix F.

5.2.1 Aerial Photographs

Property / Vicinity	Observations
Property	1942– Property is wooded and undeveloped, Cleveland Street, Betty Lane and Grove Street are present. 1957 – Motel/restaurant is visible at 1250/1254 Cleveland Street, parcel is cleared and appears to be paved at 1264 Cleveland Street, motel is visible at 1274 Cleveland Street, attached residence to motel is present at 20 South Betty Lane/120 North Betty Lane, parcel is cleared at 1277/1275 Grove Street, the duplex is present at 1273/1271 Grove Street. 1970 – Property appears to be the same, however there is a duplex located at 1275/1277 Grove Street. 1986 – Property has a separate building located to the south of the motel, appears to be the location of the motel office. 1997 – Property appears to be the same as in the 1986 aerial photograph.
North	1942– Grove Street is present to the north of the Property and further north it is wooded and undeveloped. 1957 – Parcel located at 1254 Grove Street (to the north of 20 South Betty Lane/120 North Betty Lane) is present. Remaining parcels to the north of the Property are undeveloped. 1970 – Parcels to the north of 1277/1275 and 1273/1271 Grove Street are developed into single family homes located at 1250 and 1244 Grove Street. 1986 and 1997 – Parcels to the north of Property appear to be the same as in the 1970 aerial photograph.
East	1942– North Betty Lane is present directly east of the property and further east is what appears to be a home site with driveway is located due east of the 1274 Cleveland Street parcel, east of the 20 South Betty Lane/120 North Betty Lane parcel is wooded and undeveloped land. 1957 – the home site to the east of 1274 Cleveland Street is gone and is replaced by the office building and associated parking lot, 1970, 1986, and 1997 – parcel to the east appears the same as in the 1957 aerial photograph.
South	1942 – Undeveloped, wooded land is located to the south of the Property, 1957- numerous buildings are located to the south of the Property, three small buildings are located to the southwest of the Property, a building is located directly to the south of the Property (Ed Lowe Gulf Service) and a cleared area exists to the southeast of the Property. Further southeast of the property is the filling station located at the corner of South Betty Lane and Cleveland Street. 1970 – the three small building are no longer present to the southwest of the Property and are replaced with a larger building which is now the Ultimate Medical Academy, the cleared area previously located to the southeast is now occupied with a building. The footprint of the filling station at the corner of South Betty lane and Cleveland Street appears smaller 1986 – the parcel known as Ed Lowe Gulf Service appears to have expanded their parking lot and the building located to the southeast of the Property appears longer and narrower than in the 1970 aerial photograph. 1997 – The parcels to the south appear the same as in the 1986 aerial photograph.
West	1942 – North Lincoln Avenue is present to the west of the Property and further west is undeveloped, wooded land. 1957 – a building is located to the west of the Property which is now currently known as "A Very Important Pet" grooming and boarding business. 1970 – footprint of the building located to the west appears larger than in the 1957 aerial photograph. 1986 - footprint of the building located to the west appears smaller than in the 1970 aerial photograph. 1997 –The parcels to the west appear the same as in the 1986 aerial photograph.

Historical aerial photographs were obtained from, or viewed at, the following sources:

- EDR Aerial Photo Decade Package, 2850801.5, Appendix F

5.2.2 City Directories

Property / Vicinity	Address/Listings from Historical City Directories
Property	<p>1250/1254 Cleveland Street:</p> <ul style="list-style-type: none"> • 1966 –1971 - Congress Royal Palm Motel/Frank Carelli • 1975- 1991 - Royal Palm Motel/Frank Carelli • 1999 -Royal Palm Motel & Coffee Shop • 2006 – No Current Listing <p>1264 Cleveland Street:</p> <ul style="list-style-type: none"> • 1966 –1971 - Dobbs House Inc., Restaurant • 1975 – La Chaumiere Restaurant • 1985 – Phone Booth Restaurant • 1991 – Clearwater Coney Island Restaurant • 1999 – FESTA • 2006 – Viva Mexico Restaurant <p>1274 Cleveland Street:</p> <ul style="list-style-type: none"> • 1966 – Phillips Quality Courts Motel • 1971 – Phillips Motor Inn/Lyle E. Nichols • 1975 - Continental Motor Inn Downtown/Lyle E. Nichols • 1985 – Continental Motor Inn Downtown/Dan Palumbo • 1991 – Seaway Continental Motor Inn/ Jay Bakriwala, Mgr. • 1999 – 2006 - Economy Inn <p>20 Betty Lane South/120 Betty Lane North:</p> <ul style="list-style-type: none"> • 1958 William H. and Hattie M. Phillips • 1962 Edw. C. Dowdy • 1966 – Mrs. Elsie J. Dowdy <p>1271/1273 Grove Street:</p> <ul style="list-style-type: none"> • 1966 – Transients • 2006 – No Current Listing <p>1275/1277 Grove Street:</p> <ul style="list-style-type: none"> • 1966 – Transients • 2006 – 1275 – Jimmy D. Carroll/1277-No Current Listing
North	1966-2006 - Residential.
East	1966 – 2006 – Commercial, Offices.
South	1966-2006 – Commercial, Gas Stations, Motels, Banks.
West	1966 – 2006 – Commercial, Restaurants.

5.2.3 Property Tax Files

For 1264, 1274 Cleveland Street, 20 South Betty Lane/120 North Betty Lane, 1277/1275 Grove Street and 1273/1271 Grove Street:

Year	Owner
02/28/1950 to 03/01/1961	W.H. Phillips and Hattie M. Phillips
03/01/1961 to -7/23/1973	Elsie J. Dowdy
7/23/1973-01/17/1990	Continental Inn, Inc.
01/17/1990 – 8/29/2003	Jashwanthlal H. Bakriwala and Jyotsna J. Bakriwala
08/29/2003– Present	M.N.E.K., Inc.

For 1250/1254 Cleveland Street:

Year	Owner
05/14/1949 to 10/14/1997	Royal Palm Motel-Coffee Shop, Inc.
10/14/1997 to -03/24/1999	Witold and Ewa Dabkowski
03/24/1999-04/12/2001	Kazimierz and Mary Sowa Sochocki
04/12/2001 – 12/08/2004	Mary Sowa Sochocki
12/08/2004– Present	M.N.E.K., Inc.

Source of ownership information:

- 50-year chain of title search, Appendix E

5.2.4 Building Department Records

Building permit applications were obtained from the City of Clearwater Building Department for the following parcels:

1264 Cleveland Street

- July 1991 – for driveway paving.

1274 Cleveland Street

- July 16, 1973 – for unspecified additions.
- July 1991 – for driveway paving.
- January 1992 – for parking lot resurfacing

- January 3, 1995 for a sign permit
- February 15, 2000 for fire marshal violation repairs (plumbing)
- April 24, 2000 for electrical upgrade to air handler and air handler change out.

Building permits and/or permit applications were not found for properties associated with 1250/1254 Cleveland Street, 20 South Betty Lane/120 North Betty Lane, 1271/1273 and 1275/1277 Grove Street.

5.2.5 Zoning/Land Use Records

Property / Vicinity	Description of Zoning / Land Use Records
Property	Property is zoned as D (Downtown District) for parcels 1250/1254, 1264 and 1274 Cleveland Street and for parcels 1275/1277, 1271/1273 Grove Street and 20 South Betty Lane/120 North Betty Lane; parcels are zoned as MHDR (Medium High Density Residential District).
North	Property is zoned as MHDR (Medium High Density Residential District).
East	Property is zoned as D (Downtown District).
South	Property is zoned as D (Downtown District).
West	Property is zoned as D (Downtown District) and MHDR (Medium High Density Residential District).

Source of zoning / land use records:

- City of Clearwater Planning Department, Appendix E
- EDR Certified Property Tax Map Report, 2850801.8, Appendix F

5.2.6 Historical Fire Insurance Maps

Property / Vicinity	Observations
Property	The Property is covered on the 1965 Sanborn Fire Insurance Map. 1250/1254 Cleveland Street is identified as a 19 unit concrete block motel with pool and attached restaurant, 1264 Cleveland Street is identified as a concrete block restaurant, 1274 Cleveland Street is listed as the Phillips Motel, concrete block with 28 units with pool and a concrete block pool house, 22 South Betty Lane/120 North Betty Lane is listed as a concrete block dwelling attached to the Phillips Motel at 1274 Cleveland Street, 1277/1275 and 1273/1271 Grove Street have the addresses 1255/1253 and 1251/1249 respectively and are listed as concrete block duplex dwellings present
North	Properties to the north are identified as dwellings
East	Properties to the east are identified as the Dial Exchange Building located at 1280 Cleveland Street; facility is steel frame, concrete floors and roof on steel joists.

Property / Vicinity	Observations
South	Properties to the south is a Bank with a detached drive in facility, no address given, a filling station located at 1261 Cleveland Street, a Synagogue at 1275 Cleveland, an unknown store located at 1277 and a paint store located at 1279 Cleveland Street. To the southeast of the Property is a filling station located at 1285 Cleveland Street
West	Properties to the west include a restaurant and stores.

Name and year of historical fire insurance maps and source:

- EDR Certified Sanborn Map Report, 2850801.3, Appendix F

5.2.7 Historical Topographic Maps

Property / Vicinity	Observations
Property	Property slopes to the southwest and is undeveloped.
North	Property slopes northeast towards Stevenson Creek and undeveloped. Cleveland Street, Betty Lane and Grove Streets are present.
East	Property slopes east and some home sites are present.
South	Mostly flat and one building is present.
West	Mostly flat, some buildings are present. .

Name and year of historical topographic maps and source:

- Clearwater Quadrangle; 1954, 1974, 1987, 1995
- EDR Historical Topographic Map Report, 2850801.4, Appendix F

5.2.8 Other Historical Sources

There were no other sources of historical information reviewed during this assessment.

6.0 *Site Reconnaissance*

Shaw's representative, Laura J. Herron, conducted a site reconnaissance of the Property and surrounding area on August 27, 2010. The objective of the site reconnaissance was to obtain information indicating the presence of RECs in connection with the Property.

6.1 *Methodology*

Shaw used the following methodology to observe the Property:

- Confirmed the definition of the Property boundaries with the provided site location maps,
- Traversed the outer Property boundary
- Traversed transects across the Property

The following is a summary of the buildings present and their current uses:

- 1250/1254 Cleveland Street – Three buildings present, with two of the three having a second floor. Two buildings are associated with the vacant Royal Palm Motel with one building having a second floor. Approximately twenty-one (21) rental units are located within the former Royal Palm Motel. The third building attached to the Royal Palm Motel is a vacant restaurant. This building had a second floor.
- 1264 Cleveland Street – One story building present currently operating as Viva Mexico Restaurant.
- 1274 Cleveland Street – One story building present currently operating as the Economy Inn. This building contains thirty-three (33) rental units. A one story building was present associated with the abandoned pool.
- 20 South Betty Lane/120 North Betty Lane – One story building present with attached two car garage used as a residence. This building is attached to the Economy Inn at its northeast corner.
- 1275/1277 Grove Street – One story building with two rental units. Both units were occupied with tenants.
- 1273/1271 Grove Street – One story building with two rental units. One unit was vacant (1273) and the other unit (1271) was occupied.

Photographs of the Property and adjacent properties are included as Appendix D to this report and a complete set of all photographs taken during the site reconnaissance are on the attached CD.

6.2 Site Reconnaissance Observations

6.2.1 Property Representative Escorting Site Assessor

Name of Property Representative and relationship to the Property	Company	Title	Years of Experience with Property and Other Site Qualifications
Ms. Nelly Gomes and Ms. Maria Dedrick	M.N.E.K., Inc.	N/A	Owners since December 2004

N/A = Not available

6.2.2 Interior Observations

The following are interior observations made during the August 27, 2010 site reconnaissance:

1250/1254 Cleveland Street 1250 Cleveland Street is the address for the vacant former Royal Palm Motel. 1254 Cleveland Street is the address for vacant attached restaurant. The property is vacant and unkempt. Electricity and water were not available during the time of the inspection. The 21 rental units of the Royal Palm Motel are being used for storage of various materials such as paints, pavement sealer, oils, furniture and mattresses. Each rental unit has a bathroom equipped with a toilet, sink and tub/shower. Some units also have kitchens including the rental unit used for the innkeeper. The rental unit associated with the inn keeper had roof leaks and water was ponding in by the glass slider in the former office of the motel. The pool has putrid, dark green water collecting in the deep end. An attached pool house structure to the pool deck had various materials discarded inside it including gasoline cans, pool chemicals, pipes, vents, shelving. There was approximately 3 inches of standing oily water located inside this structure. A drain was not observed at this location.

A dining area occupying two floors and a kitchen occupying the bottom floor was observed at the former restaurant located at 1254 Cleveland Street. Electricity and water were not available during the time of the inspection. Bathrooms were located on both floors for men and women. The men's bathrooms contained a toilet, urinal and sink, and the women's bathrooms contained two toilets and a sink. Floor drains existed in all bathrooms. What appeared to be a bar was located on the second floor. This area appeared to have access to water as PVC plumbing fixture was observed in this area. The kitchen located in the rear of the first floor had numerous drains and pipes observed throughout. Also located in the rear of the first floor was access to the electrical supplies (circuit breakers).

The bottom floor of the restaurant had tables, a pile of clothes, paint cans, spray oil cans, and a supply closet that contained, sealers, fire extinguishers, caulk tape. The top floor had debris strewn about (papers and cans), fire extinguishers, plywood and remnant decorations.

1264 Cleveland Street is the location of the Viva Mexico Restaurant. This restaurant is open for evening dining only, six days/week. During the site reconnaissance, a worker was in the kitchen preparing the food for the evening opening. The front of the restaurant is the dining area with a bar and in the rear is the kitchen. Underneath the bar was a carbon dioxide cylinder assumed to be used for carbonated beverage dispensing. A bathroom for men and women was observed consisting of a toilet and sink in each. Floor drains were not observed in either bathroom. A floor drain was observed in the kitchen along with two stainless steel sinks (one had two partitions located within). In addition a drain was observed in the concrete pad, near the air compressor, located outside of the restaurant to the north of the facility.

1274 Cleveland Street is the location of the Economy Inn motel. The motel was operating during site reconnaissance and has 33 rental units. A typical rental unit consists of a bedroom with bathroom, compact refrigerator, microwave, television with cable, and air conditioner/heater. Telephones were not observed in the rooms. The bathroom has a tub/shower, toilet and sink. No other floor drains were observed in the bathrooms. The electrical supply room had numerous circuit breakers, many with rusty casings. A storage closet located near the electrical supply room was the location for tools, bed frames, discarded sinks and extension cords. A can of the pesticide "Sevin" was located here. The motel utilized a gas water heater which was contained in its own closet with a stack vented to the outside.

A pool house was located to the north of the vacant pool. The facility had two rooms. The east room was accessible and was the location of the hotel's washer and dryer for laundry purposes. This area also stored clothes, paints, cleaners, carpet adhesives and laundry supplies (detergents). Floor drains were not observed in the area of the pool house. The west room was not accessible as the Shaw representative was denied access.

20 South Betty Lane/120 North Betty Lane are the location of a three bedroom, 2 bathroom home with attached 2 car garage. This building is attached to the Economy Inn motel located at 1274 Cleveland Street and was most likely to be used as the innkeeper's residence. Both bathrooms have a sink and toilet, one bathroom has a walk in shower and the other has a combination tub/shower. Located throughout the garage were de minimus quantities of herbicides, oven cleaners, fertilizers, cleaners spray paint, paint cans and car maintenance chemicals (antifreeze).

1277/1275 Grove Street and 1273/1271 Grove Street is the location of two rental duplexes. Tenants occupy all but 1273 Grove Street. Each rental unit has a driveway. The rental unit consists of two bedrooms, a bathroom with sink, toilet and tub/shower combination and a kitchen. Access was granted to the vacant rental located at 1273 Grove Street. A can of oven cleaner and a bottle of cable pulling lubricant were observed at this location.

6.2.3 Exterior Observations

Shaw made the following exterior observations during outside site reconnaissance:

Issue	Comments
Hazardous materials or petroleum products	<p>1250/1254 Cleveland Street – numerous discarded gasoline cans in pool house area.</p> <p>1264 Cleveland Street – two 55 gallon drums of cooking oil to the north of Viva Mexico Restaurant.</p> <p>1274 Cleveland Street – An unknown size above ground propane tank located directly east of the pool house within a wooden fenced in enclosure. De minimus quantities of paints to the north of the Economy Inn Motel.</p> <p>20 South Betty Lane/120 North Betty Lane – None observed.</p> <p>1277/1275 and 1273/1271 Grove Street – None observed.</p>
Hazardous waste	None observed.
Solid waste	None observed except behind the Economy Inn at 1274 Cleveland Street and the properties located at 1277/1275 and 1273/1271 Grove Street in which discarded wood, building supplies, pipes, lawn chairs were observed.
Wells	None observed. However, per a conversation with Ms. Maria Dedrick, an on-site potable well was located and used for the properties at 1274 Cleveland Street and 20 South Betty Lane/120 North Betty Lane. Research into potable well records with the Pinellas County Health Department, Super Act Database of the State of Florida Health Department and Southwest Florida Water Management District did not provide information regarding this well.
Process wastewater	None observed.
Storm water	None observed.
Drains, sumps, and drywells	<p>1250/1254 Cleveland Street – a grated drain was noted in the parking area in the west central portion of the property with what appeared to be a pipe cleanout and a square manhole.</p> <p>1274 Cleveland Street – had numerous pipe/drains and cleanouts that were observed exiting the building.</p>
Odors	None.
PCB-containing equipment	None observed.
Pits, ponds, or lagoons; Property	None observed.
Pits ponds, lagoons - adjoining properties	None observed.
North	None observed.
South	None observed.
East	None observed.
West	None observed.
Stained soil or pavement	<p>1250/1254 Cleveland Street – parking area and driveway pavement was oil stained</p> <p>1274 Cleveland Street – driveway pavement was stained particularly near the front office.</p>

Issue	Comments
Stressed vegetation	None observed.
General exterior yardkeeping	Debris located in areas noted above in the solid waste discussion.

6.2.4 Underground Storage Tanks/Structures

Existing underground storage tanks (UST):	There were no existing on-site USTs reported or observed.
Former USTs:	According to the August 20, 1993 Fuel Oil Closure Assessment Report, a 200 gallon UST was removed from the 1274 Cleveland Street Property. According to Ms. Maria Dedrick, the 200 gallon UST was removed from the northeast corner of the 20 South Betty Lane/120 North Betty Lane property. A site location map was not included in the report to determine the former UST location.

NOTE: Shaw's assessment of USTs included interviews with the Property Owner/Operator and visually apparent observations including repairs to pavement, vent pipes, ancillary equipment, and fill ports; as well as a review of readily ascertainable records relating to current and historical heating fuel sources and local and state records.

6.2.5 Aboveground Storage Tanks

Existing aboveground storage tanks (AST):	An unknown volume propane tank was observed at 1274 Cleveland Street due east of the pool house. It is thought this supplied propane to previously heat the pool
Former ASTs:	There were no former on-site ASTs reported or observed.

NOTE: Shaw's assessment of ASTs included interviews with the Property Owner/Operator and visually apparent observations including repairs to pavement, tank pads and ancillary equipment, and spill containment berms; as well as a review of readily ascertainable records relating to current and historical heating fuel sources and local and state records.

6.2.6 De minimis Conditions

ASTM defines de minimis conditions as those that “generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies,” i.e., minor soil staining. De minimis conditions identified include the small, scattered piles of trash found throughout the Property consisting of wooden stakes, yard waste, bottles, bags and wrappers.

7.0 Interviews with Owners/Operators, and State/Local Representatives

During the course of this assessment, Shaw interviewed or attempted to interview the following individuals.

7.1 Current Owner Interview

The ASTM E1527-05 questionnaire is provided in Appendix E and was completed via on site discussions with Ms. Maria Dedrick and Ms. Nelly Gomes, the current property owners.

7.2 Current Operator Interview(s)

Name	Title and Relationship to Property (former owner or operator)	Company Name	Telephone	Knowledge of litigation, administrative proceedings, or environmental regulatory violations/liabilities (Y/N)	Comments, including year(s) involved with the Property
Maria Dedrick/Nelly Gomes	Owner	NA		None	~6 years involved with Property.

NOTE: To ascertain Operator knowledge of environmental issues, Shaw asked each person interviewed the following question: Are you aware of any pending, threatened or past litigation relevant to hazardous substances or petroleum products in, on, or from the Property; administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Property; or notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

7.3 Past Property Owner and Operators Interviews

No past Property owners or operators were interviewed.

7.4 Local Government Officials

Mr. Will Christian of Pinellas County Health Department was interviewed regarding the possibility of septic systems located on the Property and the presence of the on-site potable well for parcels 1274 Cleveland Street and 20 South Betty Lane/120 North Betty Lane. Mr. Christian indicated there are no current records of septic systems at the six parcels that comprise the Property. Mr. Christian also did not have information regarding the existence of an on-site potable well at 1274 Cleveland Street and 20 South Betty Lane/120 North Betty Lane.

Mr. John Warner of the Development & Neighborhood Services Department of the City of Clearwater was contacted regarding the possibility code violations exist at the Property. Mr. Warner state there are no open code violations reported for the Property.

7.5 State Government Officials

No additional state government officials were interviewed.

7.6 Others

No additional persons were interviewed.

8.0 Other Environmental Considerations

Shaw was not asked to investigate other non-scope considerations, as defined by ASTM E 1527.

8.1 Lead-Based Paint

An inspection for lead-based paint was not included in this assessment.

8.2 Asbestos

An inspection for potential asbestos containing materials (ACM) was not included in this assessment.

8.3 Mold/Microbial Growth

An inspection for potential presence of water intrusion and/or visual microbial growth was not included in this assessment.

8.4 Potable Water Quality

Shaw's assessment of potable water quality was limited to historical research into the age of any structure(s) and major tenant improvements on the Property, building department renovation permits, published information, and agency interviews.

8.5 Wetlands, Floodplains and Waters

An inspection for wetlands, floodplains and an investigation into the surface and subsurface hydrology for the Property was not included in this assessment.

8.6 Radon

Shaw's assessment of radon was limited to research of published information specific to the general area of the Property location. Radon is a colorless, tasteless, radioactive gas with an EPA-specified action level of 4.0 picocuries per liter (pCi/L) of air. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is associated with its rate of accumulation within confined areas, particularly confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The Property contains no structures and is generally in an area of low radon potential.

8.7 Air Emissions

Shaw's assessment of air emissions was limited to observations made during the site reconnaissance.

8.8 Pesticides

Shaw's assessment of the use of pesticides on the Property was limited to research of published information and observations made during the site reconnaissance.

9.0 Historical Recognized Environmental Conditions and de Minimis Conditions

This assessment has revealed no evidence of historical RECs in connection with the Property.

10.0 Conclusions and Recommendations

10.1 Conclusions

Shaw has performed a Phase I ESA in conformance with the scope and limitations of ASTM E1527 of, Parcel ID: 15-29-65286-000-0190, Clearwater, Pinellas County, Florida Page 30 of Book 13988, and Parcel IDs 15-29-15-65286-000-0191, 15-29-15-65286-000-0180, 15-29-15-58788-000-0280, 15-29-15-58788-000-0290 and 15-29-15-58788-000-0310, Page 821, Book 13030 Clearwater, Pinellas County, Florida (the Property). Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report.

10.2 Recommendations for Additional Investigation

Based on the findings of this Phase I ESA, Shaw recommends the following additional investigation.

Based on the findings of this Phase 1 ESA, Shaw recommends additional investigation of the Property as follows:

- 1250 Cleveland Street – possible soil and groundwater contamination resulting from discarded gasoline containers, pool chemicals, antifreeze and oily stormwater in the structure that housed the pool equipment. The possibility exists a clogged drain may be located in the floor of the structure or the concrete is continuous and preventing the infiltration of this ponded water into the subsurface soils.
- 1250 Cleveland Street – possible presence of asbestos containing materials ACM due to the age of the buildings (constructed in 1949 and 1963). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1250 Cleveland Street – possible presence of soil and groundwater contamination from a former gasoline station located to the southeast of the parcel at 1261 Cleveland Street.
- 1254 Cleveland Street – possible soil and groundwater contamination from a 540 gallon in ground grease trap located on the facility building plans.
- 1254 Cleveland Street – possible presence of lead paint located on the exterior and interior woodwork and the interior walls as noted on the facility building plans.
- 1254 Cleveland Street - possible presence of ACM and lead paint due to the age of the building (constructed in 1949). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1254 Cleveland Street – possible presence of soil and groundwater contamination from a former gasoline station located to the southeast of the parcel at 1261 Cleveland Street.

- 1264 Cleveland Street - - possible presence of ACM and lead paint due to the age of the building (constructed in 1963). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1264 Cleveland Street – possible presence of soil and groundwater contamination from a former gasoline station located to the south/southeast of the parcel at 1261 Cleveland Street.
- 1274 Cleveland Street – abandonment of on-site potable well.
- 1274 Cleveland Street - possible presence of ACM and lead paint due to the age of the building (constructed in 1949). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1274 Cleveland Street -possible presence of soil and groundwater contamination from a former gasoline station located to the south of the parcel at 1261 Cleveland Street.
- 20 South Betty Lane/120 North Betty Lane – possible presence of soil and groundwater contamination due to the removal of a 200 gallon underground storage tank (UST) in August 2003. Information provided by the City of Clearwater regarding the UST removal did not provide information if the associated piping was removed and/or if soil samples were collected from the area surrounding the piping or if groundwater samples were collected.
- 20 South Betty Lane/120 North Betty Lane - possible presence of ACM and lead paint due to the age of the building (constructed in 1951). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1271 and 1273 Grove Street - possible presence of ACM and lead paint due to the age of the building (constructed in 1954). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.
- 1275 and 1277 Grove Street - possible presence of ACM and lead paint due to the age of the building (constructed in 1954). It should be noted that information regarding renovation was not found during a file review at the City of Clearwater Building Department.

The following are considered de minimus conditions or are areas that should be noted as requiring attention by City of Clearwater:

- 1250 Cleveland Street – possible soil and groundwater contamination resulting from oily staining on asphalt located throughout the parking lot area.
- 1264 Cleveland Street – removal of the two 55 gallon drums of spent cooking oil found in the parking lot area to the north of the facility.

- 1274 Cleveland Street – access to the office area of the motel and the western room of the pool house. This area was off limits to the environmental professional conducting the Phase I ESA activities.
- 1274 Cleveland Street – removal of the unknown volume above ground propane storage tank associated with the pool's heating equipment.

Appendix A

Qualifications of Environmental Professionals

Last Updated: 18 Jan 2010

Michael A. Gonsalves

Professional Qualifications

Mr. Gonsalves has 15 years experience as a hydro geologist. Having previously worked for both the Florida Department of Protection (FDEP) and the Florida Department of Transportation (FDOT), he has a thorough knowledge of regulatory agency rules and procedures as well as the administrative processes within FDOT.

Education

Bachelor of Science, Hydrogeology/Water Resources, SUNY, Oneonta, New York, 1992

Additional Training/Continuing Education

OSHA 40-hour Health & Safety Training with annual updates,

Registrations/Certifications/Licenses

Professional Geologist, 1999, PG 2012 , Active, Florida, 01/1999

Experience and Background

09/2005 - Present

Project Manager, Shaw Environmental & Infrastructure, Inc., Division, Tampa, Florida

Duties include management of active assessment and remediation projects for FDOT at sites impacted by petroleum hydrocarbons, chlorinated solvents, and toxic metals. Prepare scopes of work, cost estimates and reports for various FDOT projects. Tracks labor utilization, contract compliance, and project budgets in light of profitability goals.

01/2004 - 09/2005

Project Geologist, Gannett Fleming, Inc., Division, Tampa, Florida

Duties included management of active assessment and remediation projects at sites impacted by petroleum hydrocarbons, chlorinated solvents, and toxic metals. Performs hydrogeological investigations, evaluates hydrological data, and develops hydrological models. Tracks labor utilization and project budgets in light of profitability goals.

01/2000 - 01/2004

Supervisor, Florida Department of Environmental Protection, Waste Cleanup Section, Tampa, Florida

Duties included oversight and direction of five professional staff and three temporary staff. Supervisory duties included delegating tasks and work assignments, preparing reviews for all personnel, as well as scheduling of those tasks and monitoring progress on sites. The position included a large and varied caseload that included review of Contamination Assessment Plans

and Reports, review of Interim Remedial Action Plans and Reports, review of Remedial Action Plans and Reports, and assessment documents prepared by both the FDEP and EPA Contractors under the Superfund Program. Extensive experience in dealing with landfills, leaking storage tanks at non-petroleum facilities, dry-cleaning facilities and abandoned industrial properties. Duties included, on a limited basis, groundwater and soil sampling of contaminated sites within the District. The position required a thorough knowledge of the State of Florida environmental regulations and applicable regulations of USEPA. Participation in public meetings and providing presentations to management and public was an integral part of the positions duties. Interaction and coordination with all levels of local and state government, as well as coordination with federal agencies including the USEPA and law enforcement agencies. Gained a good knowledge of the State of Florida and USEPA Brownfields programs and how they provide benefits to development of potentially impacted properties. Computer skills included use of word processor software (Word and WordPerfect), spreadsheet programs (Lotus 1-2-3 and Excel), database applications (FoxPro and Access) and other applications included ModFlow and ModPath groundwater and air modeling programs.

01/1997 - 01/2000

District Environmental Engineer, Florida Department of Transportation, Division, Tampa, Florida

Served as District Environmental Engineer, Hazardous Materials Engineer, and Project Manager. Duties included monitoring and administering both the Emergency Response and Contamination Construction Services contracts for FDOT, including scope development, cost and man-hour negotiations. During time spent as acting supervisor, new scopes for upcoming contracts were developed in preparation for the next contract letting. Supervisory duties included delegating tasks, and preparing reviews for all personnel, as well as scheduling tasks and monitoring progress during the Plans Preparation process. This position required an in-depth knowledge of current laws and regulations on a wide variety of contamination issues and how they affect the Right-of-Way Acquisition, Design and Construction phases of each project. Also required was the ability to interpret environmental policies and procedures related to ongoing work assignments and dealing with hostile and friendly property owners, regulatory agencies and developers. This position required knowledge of the Project Development & Environment (PD&E) manual and process, focused on the Contamination Impacts in Chapter 22. Project work included managing the hazardous materials and petroleum cleanup contractors work assignments, communicating technical requirements to these contractors, and providing both verbal and written instructions as well as final report review of each work assignment. Computer skills included use of word processor software (Word and WordPerfect), spreadsheet programs (Lotus 1-2-3 and Excel), database applications (FoxPro and Access) and other applications included ModFlow and ModPath groundwater and air modeling programs.

01/1995 - 01/1997

Staff Scientist/Scientist, Westinghouse Remediation Services, Inc., Division, Tampa, Florida

Duties included groundwater and soil sampling of petroleum and hazardous waste sites, UST removal oversight and sampling, soil and groundwater treatment system installations, deep recovery/monitor well installation at hazardous waste site, detailed report writing and client contact on a regular basis. Increased use of budgetary cost tracking and project management skills. Conducted Emergency Response activities in support of the Florida Department of Transportation. Supervised cleanup crews and site assessment crews in completion of all phases of remediation work.

01/1992 - 01/1995

Hydrogeologist, Leggette, Brashears & Graham, Inc., Division, Ramsey, New Jersey

Duties included groundwater and soil sampling of petroleum and waste sites, monitor/recovery well installation, water production well installation, UST removal oversight and sampling, treatment system operation & maintenance, database upkeep for sampling results. Conducted short and long-term duration pumping tests to determine well yields and other information for public water supply wells. Supervised treatment system installation and operation. Some experience with mobile analytical laboratory equipment. Limited report writing, budgetary tracking and client interaction.

01/1983 - 01/1987

Radar/Electronics Warfare Specialist, United States Army, City, Florida

Security Clearance Issued, Honorable Discharge

Michael A. Gonsalves

Title: Business Line Manager 2
Employee Number: 1048813
Location: Tampa, FL
Location2: US Hwy 30
Business Unit: Tampa Consulting & Engr
Company: Shaw Environmental, Inc

Contact Information

Work Phone: 813-612-3644
Cell Phone: 813-545-8596

Skills

Group: BUSINESS ADMINISTRATION SPECIALTIES

Category: BUSINESS DEVELOPMENT

Skill/Experience Level: Calling on Executive-Level Customers : Fundamental Knowledge

Skill/Experience Level: Lead Generation : Fundamental Knowledge

Category: HUMAN RESOURCES

Skill/Experience Level: 401K : Fundamental Knowledge

Skill/Experience Level: Ad Copy Development : Fundamental Knowledge

Skill/Experience Level: Benefits Administration : Fundamental Knowledge

Skill/Experience Level: Employee Relations : Fundamental Knowledge

Skill/Experience Level: Executive Coaching : Fundamental Knowledge

Skill/Experience Level: Human Resource Policy Development : Fundamental Knowledge

Skill/Experience Level: Internet Usage : Fundamental Knowledge

Skill/Experience Level: Interviewing Skills : Fundamental Knowledge

Skill/Experience Level: Job Description Preparation : Fundamental Knowledge

Skill/Experience Level: Recruiting : Fundamental Knowledge

Skill/Experience Level: Sourcing : Fundamental Knowledge

Skill/Experience Level: Staffing : Fundamental Knowledge

Skill/Experience Level: Training & Development : Fundamental Knowledge

Category: LEGAL

Skill/Experience Level: Environmental Law : Fundamental Knowledge

Skill/Experience Level: Government Contracting : Fundamental Knowledge

Category: PROPOSALS

Skill/Experience Level: Business Development : Fundamental Knowledge

Skill/Experience Level: Electronic Deliverables : Fundamental Knowledge

Skill/Experience Level: Estimating : Fundamental Knowledge

Skill/Experience Level: Interviewing : Fundamental Knowledge

Skill/Experience Level: Letter Proposals : Fundamental Knowledge

Skill/Experience Level: Prequalification Packages : Fundamental Knowledge

Skill/Experience Level: Presentation Management : Fundamental Knowledge

Skill/Experience Level: Project Descriptions : Fundamental Knowledge

Skill/Experience Level: Proofreading/Editing : Fundamental Knowledge

Skill/Experience Level: Proposal Coordinator : Fundamental Knowledge

Skill/Experience Level: Proposal Development/Preparation : Fundamental Knowledge

Skill/Experience Level: Proposal Management : Fundamental Knowledge

Skill/Experience Level: Resumes : Fundamental Knowledge

Skill/Experience Level: Technical Writing : Fundamental Knowledge

Group: COMPUTER/INFORMATION TECHNOLOGY SPECIALTIES

Category: COMPUTER APPLICATIONS (Programmer)

Skill/Experience Level: ArcView : Fundamental Knowledge

Skill/Experience Level: dBASE IV : Fundamental Knowledge

Skill/Experience Level: Excel : Fundamental Knowledge

Skill/Experience Level: GIS : Fundamental Knowledge

Skill/Experience Level: Graphics : Fundamental Knowledge

Skill/Experience Level: HTML : Fundamental Knowledge

Skill/Experience Level: Lotus 1-2-3 : Fundamental Knowledge

Skill/Experience Level: Lotus Notes : Fundamental Knowledge

Skill/Experience Level: Microsoft Access : Fundamental Knowledge

Skill/Experience Level: Microsoft Word : Fundamental Knowledge

Skill/Experience Level: Shaw Vision : Fundamental Knowledge

Category: COMPUTER APPLICATIONS (User)

Skill/Experience Level: Adobe Acrobat : Fundamental Knowledge

Skill/Experience Level: Adobe Illustrator : Fundamental Knowledge

Skill/Experience Level: Adobe Photoshop : Fundamental Knowledge

Skill/Experience Level: CADD-AutoCAD : Fundamental Knowledge

Skill/Experience Level: CADD-Microstation : Fundamental Knowledge

Skill/Experience Level: DOS : Fundamental Knowledge

Skill/Experience Level: Front Page : Fundamental Knowledge

Skill/Experience Level: GIS : Fundamental Knowledge

Skill/Experience Level: Global Positioning System : Fundamental Knowledge

Skill/Experience Level: Harvard Graphics : Fundamental Knowledge

Skill/Experience Level: Internet : Fundamental Knowledge

Skill/Experience Level: Lotus 1-2-3 : Fundamental Knowledge

Skill/Experience Level: Lotus Notes : Fundamental Knowledge

Skill/Experience Level: Microsoft Access : Fundamental Knowledge

Skill/Experience Level: Microsoft Excel : Fundamental Knowledge

Skill/Experience Level: Microsoft Power Point : Fundamental Knowledge

Skill/Experience Level: Microsoft Project : Fundamental Knowledge

Skill/Experience Level: Microsoft Word : Fundamental Knowledge

Skill/Experience Level: Shaw Vision : Fundamental Knowledge

Skill/Experience Level: Surfer : Fundamental Knowledge

Skill/Experience Level: Windows 3.x : Fundamental Knowledge

Skill/Experience Level: Windows 98 : Fundamental Knowledge

Skill/Experience Level: Windows NT : Fundamental Knowledge

Skill/Experience Level: Windows XP : Fundamental Knowledge

Skill/Experience Level: WordPerfect for DOS : Fundamental Knowledge

Skill/Experience Level: WordPerfect for Windows : Fundamental Knowledge

Category: COMPUTER/GENERAL

Skill/Experience Level: Computers (desktops/laptops) : Fundamental Knowledge

Skill/Experience Level: Local Area Networks : Fundamental Knowledge

Skill/Experience Level: Peripherals : Working Knowledge

Group: CONSTRUCTION/REMEDIATION SPECIALTIES

Category: CONSTRUCTION/REMEDIATION

Skill/Experience Level: Backfilling : Working Knowledge

Skill/Experience Level: Caps/Cover Systems/Liners : Working Knowledge

Skill/Experience Level: Chemical Recovery : Working Knowledge
Skill/Experience Level: Civil Construction : Fundamental Knowledge
Skill/Experience Level: Clean Construction : Working Knowledge
Skill/Experience Level: Compaction : Working Knowledge
Skill/Experience Level: Concrete : Fundamental Knowledge
Skill/Experience Level: Construction Management : Working Knowledge
Skill/Experience Level: Contaminated Sediments Management : Senior
Skill/Experience Level: Demolition : Fundamental Knowledge
Skill/Experience Level: Dredging : Fundamental Knowledge
Skill/Experience Level: Estimating : Fundamental Knowledge
Skill/Experience Level: Ethanol : Fundamental Knowledge
Skill/Experience Level: Excavation : Working Knowledge
Skill/Experience Level: Field Inspection : Senior
Skill/Experience Level: Fixation/Stabilization : Working Knowledge
Skill/Experience Level: General Construction : Working Knowledge
Skill/Experience Level: HDPE Pipe Welding/Installation : Fundamental Knowledge
Skill/Experience Level: Hydraulic Barrier : Fundamental Knowledge
Skill/Experience Level: Infrastructure : Working Knowledge
Skill/Experience Level: Landfill Closure (Hazardous Waste) : Working Knowledge
Skill/Experience Level: Lead-Based Paint Abatement : Fundamental Knowledge
Skill/Experience Level: Marine and Harbor Facilities : Fundamental Knowledge
Skill/Experience Level: Mining Restoration : Fundamental Knowledge
Skill/Experience Level: MTBE : Working Knowledge
Skill/Experience Level: Munitions & Explosives of Concern (MEC) Disposal: Fundamental Knowledge
Skill/Experience Level: Operation/Maintenance : Working Knowledge
Skill/Experience Level: Oversight : Working Knowledge
Skill/Experience Level: Pipeline Jack & Bore : Fundamental Knowledge
Skill/Experience Level: Piping : Fundamental Knowledge
Skill/Experience Level: Retrofit/Removal/Closure : Working Knowledge
Skill/Experience Level: Sheet Piling : Working Knowledge
Skill/Experience Level: Shoring : Working Knowledge
Skill/Experience Level: Site Remediation : Senior
Skill/Experience Level: Sludge Stabilization/Dewatering : Working Knowledge
Skill/Experience Level: Slurry Wall/Cut Offs : Working Knowledge
Skill/Experience Level: Soil Handling/Testing : Senior
Skill/Experience Level: Soil Washing : Fundamental Knowledge
Skill/Experience Level: Stabilization : Working Knowledge
Skill/Experience Level: Steel Erection : Fundamental Knowledge
Skill/Experience Level: Subsurface Barrier : Working Knowledge
Skill/Experience Level: System Dismantling : Working Knowledge
Skill/Experience Level: System Installation : Working Knowledge
Skill/Experience Level: Thermal Treatment : Working Knowledge
Skill/Experience Level: Transportation and Disposal : Senior
Skill/Experience Level: Trenching : Working Knowledge
Skill/Experience Level: Tunneling : Fundamental Knowledge
Skill/Experience Level: Vitrification: Fundamental Knowledge
Skill/Experience Level: Wastewater Treatment Plant Construction : Fundamental Knowledge
Category: GENERAL/SKILLED LABOR
Skill/Experience Level: Auto Mechanics : Fundamental Knowledge
Skill/Experience Level: Pipe Fitting : Fundamental Knowledge

Skill/Experience Level: Pump Operation/Maintenance : Fundamental Knowledge

Skill/Experience Level: Trenching : Working Knowledge

Group: CONSULTING SPECIALTIES

Category: ASSESSMENT/EVALUATION

Skill/Experience Level: Assessment : Working Knowledge

Skill/Experience Level: Biological Assessment : Fundamental Knowledge

Skill/Experience Level: Brownfield : Working Knowledge

Skill/Experience Level: Contaminant Migration : Working Knowledge

Skill/Experience Level: Contaminated Sediments : Working Knowledge

Skill/Experience Level: Corrective Measures Study : Working Knowledge

Skill/Experience Level: Environmental Impact Statement : Fundamental Knowledge

Skill/Experience Level: Environmental/Ecological Assessment : Fundamental Knowledge

Skill/Experience Level: Landfill Siting : Fundamental Knowledge

Skill/Experience Level: Phase I Assessment : Working Knowledge

Skill/Experience Level: Phase II Assessment : Working Knowledge

Skill/Experience Level: Phase III Assessment : Working Knowledge

Skill/Experience Level: Radiological Surveys : Fundamental Knowledge

Skill/Experience Level: RCRA Facility Assessment : Fundamental Knowledge

Skill/Experience Level: Risk Assessment - Ecological: Fundamental Knowledge

Skill/Experience Level: Treatability/Compatibility Studies : Fundamental Knowledge

Skill/Experience Level: Waste Characterization : Working Knowledge

Category: AUDITS

Skill/Experience Level: Audits : Fundamental Knowledge

Skill/Experience Level: Compliance : Fundamental Knowledge

Skill/Experience Level: Environmental : Fundamental Knowledge

Skill/Experience Level: Health & Safety : Fundamental Knowledge

Category: CONSULTING

Skill/Experience Level: Brownfields Services : Fundamental Knowledge

Skill/Experience Level: Due Diligence : Working Knowledge

Skill/Experience Level: Economic Impact : Fundamental Knowledge

Skill/Experience Level: Information Systems Support : Fundamental Knowledge

Skill/Experience Level: Technology Development/Evaluation : Fundamental Knowledge

Category: LAND PLANNING

Skill/Experience Level: Environmental Assessment : Working Knowledge

Skill/Experience Level: Environmental Impact Statement : Fundamental Knowledge

Group: ENVIRONMENTAL SPECIALTIES

Category: ANALYTICAL

Skill/Experience Level: Field Analytical Methods : Fundamental Knowledge

Skill/Experience Level: Geotechnical Testing : Fundamental Knowledge

Skill/Experience Level: Laboratory Analytical Methods : Fundamental Knowledge

Category: COMMUNITY INVOLVEMENT

Skill/Experience Level: Public Interaction : Fundamental Knowledge

Skill/Experience Level: Questionnaire/Interview Form Development : Fundamental Knowledge

Skill/Experience Level: Workshops : Fundamental Knowledge

Category: REGULATORY

Skill/Experience Level: Analysis : Fundamental Knowledge

Skill/Experience Level: AST/UST Regulations : Working Knowledge

Skill/Experience Level: CERCLA : Working Knowledge

Skill/Experience Level: Clean Air Act : Working Knowledge

Skill/Experience Level: Clean Water Act : Working Knowledge
Skill/Experience Level: Code of Federal Regulations : Working Knowledge
Skill/Experience Level: Compliance : Working Knowledge
Skill/Experience Level: Emergency Response: Working Knowledge
Skill/Experience Level: Hazardous Waste Evaluation : Working Knowledge
Skill/Experience Level: Litigation Support : Working Knowledge
Skill/Experience Level: MACT/NESHAP : Fundamental Knowledge
Skill/Experience Level: Negotiation : Working Knowledge
Skill/Experience Level: NEPA Compliance : Fundamental Knowledge
Skill/Experience Level: Nuclear Regulatory Commission : Fundamental Knowledge
Skill/Experience Level: Permitting : Working Knowledge
Skill/Experience Level: RCRA Closure Plans : Fundamental Knowledge
Skill/Experience Level: RCRA Compliance : Fundamental Knowledge
Skill/Experience Level: RCRA Part A Applications/Permits : Fundamental Knowledge
Skill/Experience Level: RCRA Part B Applications/Permits : Fundamental Knowledge
Skill/Experience Level: SARA Titles I, II, III : Fundamental Knowledge
Skill/Experience Level: Spill Plans : Fundamental Knowledge
Skill/Experience Level: Title V : Fundamental Knowledge
Skill/Experience Level: TSCA : Fundamental Knowledge
Category: RISK ASSESSMENT
Skill/Experience Level: Ecological: Fundamental Knowledge
Skill/Experience Level: Human Health: Fundamental Knowledge

Group: FACILITY MANAGEMENT-SRM/MISSION SUPPORT SERVICES

Category: BUSINESS OPERATIONS

Skill/Experience Level: Administration : Fundamental Knowledge
Skill/Experience Level: Financial Accounting and Reporting : Fundamental Knowledge
Skill/Experience Level: Quality Control : Fundamental Knowledge
Skill/Experience Level: Safety Management : Fundamental Knowledge
Skill/Experience Level: ShawVision : Fundamental Knowledge

Category: ENVIRONMENTAL SERVICES

Skill/Experience Level: Hazardous Waste Handling, Storage & Disposal : Fundamental Knowledge
Skill/Experience Level: Industrial Waste Treatment Plant O&M : Fundamental Knowledge
Skill/Experience Level: Laboratory Services : Fundamental Knowledge

Group: FIELD SERVICES SPECIALTIES

Category: ABOVEGROUND STORAGE TANKS

Skill/Experience Level: Aboveground Storage Tanks : Working Knowledge
Skill/Experience Level: Cleaning : Working Knowledge
Skill/Experience Level: Closure : Working Knowledge
Skill/Experience Level: Installation : Fundamental Knowledge
Skill/Experience Level: Removal : Working Knowledge
Skill/Experience Level: Testing : Working Knowledge

Category: ASBESTOS

Skill/Experience Level: Asbestos : Fundamental Knowledge
Skill/Experience Level: Assessment : Fundamental Knowledge
Skill/Experience Level: Testing : Fundamental Knowledge

Category: DRILLING

Skill/Experience Level: Borings : Working Knowledge
Skill/Experience Level: Drilling : Working Knowledge

Skill/Experience Level: Geoprobe : Working Knowledge

Skill/Experience Level: Horizontal Drilling : Fundamental Knowledge

Skill/Experience Level: Monitoring Well Installation : Working Knowledge

Skill/Experience Level: Recovery Well Installation : Working Knowledge

Category: DRUMS

Skill/Experience Level: Cleaning : Fundamental Knowledge

Skill/Experience Level: Closure : Fundamental Knowledge

Skill/Experience Level: Crushing/Disposal : Fundamental Knowledge

Skill/Experience Level: Drums : Fundamental Knowledge

Skill/Experience Level: Removal : Fundamental Knowledge

Skill/Experience Level: Testing : Fundamental Knowledge

Skill/Experience Level: Waste Characterization : Fundamental Knowledge

Skill/Experience Level: Waste Disposal & Shipping : Fundamental Knowledge

Category: OPERATIONS AND MAINTENANCE

Skill/Experience Level: Bioremediation Systems : Fundamental Knowledge

Skill/Experience Level: Full-Scale Process Operation : Fundamental Knowledge

Skill/Experience Level: Groundwater Treatment Plant Operations : Fundamental Knowledge

Skill/Experience Level: Soil Vapor Extraction Systems : Working Knowledge

Skill/Experience Level: Start-up : Working Knowledge

Skill/Experience Level: Thermal Treatment/Incineration Systems : Working Knowledge

Skill/Experience Level: Wastewater Treatment Plant Operations : Fundamental Knowledge

Category: SAMPLING

Skill/Experience Level: Aboveground Storage Tanks : Fundamental Knowledge

Skill/Experience Level: Air : Fundamental Knowledge

Skill/Experience Level: Asbestos : Fundamental Knowledge

Skill/Experience Level: Drilling : Working Knowledge

Skill/Experience Level: Drums : Working Knowledge

Skill/Experience Level: Fixed Laboratory Analysis : Working Knowledge

Skill/Experience Level: Mobile Laboratory Analysis : Working Knowledge

Skill/Experience Level: Sampling : Working Knowledge

Skill/Experience Level: Soil : Working Knowledge

Skill/Experience Level: Underground Storage Tanks : Working Knowledge

Category: SURVEY

Skill/Experience Level: GIS : Fundamental Knowledge

Skill/Experience Level: Hazardous Waste Survey : Fundamental Knowledge

Skill/Experience Level: Rights of Way : Fundamental Knowledge

Skill/Experience Level: Well Monitoring : Fundamental Knowledge

Category: UNDERGROUND STORAGE TANKS

Skill/Experience Level: Cleaning : Working Knowledge

Skill/Experience Level: Closure : Working Knowledge

Skill/Experience Level: Installation : Fundamental Knowledge

Skill/Experience Level: Location : Working Knowledge

Skill/Experience Level: Removal : Working Knowledge

Skill/Experience Level: Testing : Working Knowledge

Skill/Experience Level: Underground Storage Tanks : Working Knowledge

Group: PROJECT MANAGEMENT SPECIALTIES

Category: ENGINEERING PROJECT CONTROLS

Skill/Experience Level: Conceptual Planning & Scheduling : Fundamental Knowledge

Skill/Experience Level: Construction Management Planning & Scheduling : Fundamental Knowledge

Skill/Experience Level: Cost & Scheduling Analysis : Fundamental Knowledge

Skill/Experience Level: Cost Forecasting : Fundamental Knowledge

Skill/Experience Level: Cost Risk Analysis : Fundamental Knowledge

Skill/Experience Level: Financial Risk Assessment : Fundamental Knowledge

Skill/Experience Level: Schedule Forecasting : Fundamental Knowledge

Skill/Experience Level: Scheduling Risk Analysis : Fundamental Knowledge

Category: PROJECT ACCOUNTING

Skill/Experience Level: Accounts Payable : Fundamental Knowledge

Skill/Experience Level: Cost Accounting : Fundamental Knowledge

Skill/Experience Level: Low Value Equipment/Shaw Equipment : Fundamental Knowledge

Skill/Experience Level: Payroll/Human Resources : Fundamental Knowledge

Skill/Experience Level: Procurement/Sourcing : Fundamental Knowledge

Skill/Experience Level: Project Closeout : Fundamental Knowledge

Skill/Experience Level: Project Mobilization : Fundamental Knowledge

Skill/Experience Level: Shaw Policies/Procedures : Fundamental Knowledge

Skill/Experience Level: Vendor Relations : Fundamental Knowledge

Category: PROJECT CONTROLS

Skill/Experience Level: Conceptual Planning & Scheduling : Fundamental Knowledge

Skill/Experience Level: Construction Management Planning & Scheduling : Fundamental Knowledge

Skill/Experience Level: Cost & Scheduling Analysis : Fundamental Knowledge

Skill/Experience Level: Cost Forecasting : Fundamental Knowledge

Category: PROJECT CONTROLS - MASTER LIST

Skill/Experience Level: Conceptual Planning & Scheduling : Fundamental Knowledge

Skill/Experience Level: Construction Management Planning & Scheduling : Fundamental Knowledge

Skill/Experience Level: Cost & Scheduling Analysis : Fundamental Knowledge

Skill/Experience Level: Cost Forecasting : Fundamental Knowledge

Category: PROJECT MANAGEMENT

Skill/Experience Level: Budgets : Fundamental Knowledge

Skill/Experience Level: Construction Management : Fundamental Knowledge

Skill/Experience Level: Contract Administration : Fundamental Knowledge

Skill/Experience Level: Contract Management - Cost Reimbursable: Fundamental Knowledge

Skill/Experience Level: Contract Management - Firm Fixed Price: Fundamental Knowledge

Skill/Experience Level: Contract Management - T&M : Fundamental Knowledge

Skill/Experience Level: Cost/Scheduling : Fundamental Knowledge

Skill/Experience Level: Laboratory Management : Fundamental Knowledge

Skill/Experience Level: Metrics : Fundamental Knowledge

Skill/Experience Level: Plan Development : Fundamental Knowledge

Skill/Experience Level: Program Development/Management : Fundamental Knowledge

Skill/Experience Level: Project Management : Working Knowledge

Skill/Experience Level: Site Management : Working Knowledge

Skill/Experience Level: Technical/Report Writing : Senior

Group: TECHNICAL SPECIALTIES

Category: CONTAMINANT REMEDIATION

Skill/Experience Level: Arsenic : Working Knowledge

Skill/Experience Level: Barium : Working Knowledge

Skill/Experience Level: Benzene : Working Knowledge

Skill/Experience Level: BTEX : Working Knowledge

Skill/Experience Level: Cadmium : Working Knowledge

Skill/Experience Level: Carcinogens : Working Knowledge
Skill/Experience Level: Chemical Process Waste : Fundamental Knowledge
Skill/Experience Level: Chemical/Biological Warfare : Fundamental Knowledge
Skill/Experience Level: Chromium : Working Knowledge
Skill/Experience Level: Corrosives : Fundamental Knowledge
Skill/Experience Level: Cyanide : Fundamental Knowledge
Skill/Experience Level: DCA : Working Knowledge
Skill/Experience Level: DCE : Working Knowledge
Skill/Experience Level: DNAPL : Working Knowledge
Skill/Experience Level: Flammable : Fundamental Knowledge
Skill/Experience Level: Heavy Metals : Working Knowledge
Skill/Experience Level: Herbicides : Working Knowledge
Skill/Experience Level: Lead : Working Knowledge
Skill/Experience Level: Lead-Based Paint : Fundamental Knowledge
Skill/Experience Level: LNAPL : Fundamental Knowledge
Skill/Experience Level: Mercury : Fundamental Knowledge
Skill/Experience Level: NAPL : Working Knowledge
Skill/Experience Level: Oil Refinery Waste : Fundamental Knowledge
Skill/Experience Level: Oily Sludge : Fundamental Knowledge
Skill/Experience Level: Ordnance/UXO/EOD : Fundamental Knowledge
Skill/Experience Level: Oxidizers : Fundamental Knowledge
Skill/Experience Level: PAH : Working Knowledge
Skill/Experience Level: PCA : Fundamental Knowledge
Skill/Experience Level: PCBs : Fundamental Knowledge
Skill/Experience Level: PCE : Working Knowledge
Skill/Experience Level: Pesticides : Working Knowledge
Skill/Experience Level: Petrochemical Refinery Waste : Fundamental Knowledge
Skill/Experience Level: Petroleum/Oil : Working Knowledge
Skill/Experience Level: Phosphates/Fertilizers : Working Knowledge
Skill/Experience Level: Radon : Fundamental Knowledge
Skill/Experience Level: Reactives (Air, Water) : Fundamental Knowledge
Skill/Experience Level: Solvents : Working Knowledge
Skill/Experience Level: TCA : Working Knowledge
Skill/Experience Level: TCE : Working Knowledge
Skill/Experience Level: TPH : Working Knowledge
Skill/Experience Level: TSCA Managed Waste : Fundamental Knowledge

Other Information

Years of Experience

Previous Employers: 12.60
Shaw: 5
Total of 17.60 year(s) experience

Experience in EPA Regions

Region 2 (NJ NY Puerto Rico Virgin Islands)
Region 4 (AL FL GA KY MS NC SC TN)

Military Experience

US Army, Specialist Four, 1983- 1987

Laura J. Herron

Professional Qualifications

Ms. Herron has twenty years of experience assisting various municipal and industrial clients with environmental regulatory compliance. She has experience from project initiation to project closure for petroleum, solvent and metal contaminated sites. This experience has come from her involvement with the preparation of Phase I and Phase II ESAs, PA and SSI reports, RI/FS documents, RCRA part B permits, RCRA closure and post-closure plans, to remedial action plans and NFA requests. In addition to her assessment and remediation experience, she also has hands on experience with the application of environmental legislation within a manufacturing environment. In her previous position she was responsible for the transportation and disposal of hazardous waste, compliance with NPDES permits, air permits, wastewater permits, preparation of TRI reports, OSHA compliance and worker health and safety.

Ms. Herron also has prepared risk assessments both human health and ecological for assessment purposes. She has worked in State government reviewing and approving wetland permits, performing wetland delineations and natural resource assessments. Her diverse experience provides for her utilization on a variety of projects in different capacities.

Education

Bachelor of Science, Geology, University of South Florida, Tampa, Florida, 2007

Master of Science, Environmental Science, University of New Haven, West Haven, Connecticut, 1991

Bachelor of Science, Marine Science, Long Island University - Southampton College, Southampton, New York, 1986

Additional Training/Continuing Education

40 hour OSHA HAZWOPER, Tampa, Florida, 2010

Registrations/Certifications/Licenses

Certified Hazardous Materials Manager (CHMM), 1991, 3086, Active, Florida, 03/2010

Registered Environmental Manager (REM), 1995, 8108, Active, Florida, 03/2010

Experience and Background

10/2009 - Present

Scientist IV, Shaw Environmental & Infrastructure, Inc., Tampa, Florida

- * Brownfields Site Assessment
- * Phase I ESA's
- * Wetland delineations and Ecological Surveys
- * Hazardous and Non-hazardous waste manifest management
- * Project manager for lead and paint based bridge surveys.

* Client compliance with DOT hazardous materials packaging regulations

03/2009 - 07/2009

Environmental Engineer, Catalent Pharma Solutions, Oral Technologies, St. Petersburg, Florida

? Ensured compliance with RCRA hazardous waste regulations per 40 CFR 260 ? 265 and DOT regulations per 49 CFR to include weekly inspections of hazardous waste storage areas, labeling requirements to of waste storage containers were adhered, timely return of signed manifests, containers were maintained in an appropriate manner and waste handling personnel were appropriately trained.

? Prepared, labeled and manifested hazardous and non-hazardous waste containers for shipment off-site to TSDF.

? Responsible for documentation and shipment of DEA waste for shipment off-site to TSDF.

? Ensured spill procedures were updated and posted in appropriate locations throughout the facility.

? Prepared the Toxic Release Inventory (TRI) report for calendar year 2008 for submittal to USEPA.

? Responsible for updating and maintaining the air compliance database, procuring air information and preparation of monthly air reports for compliance with the local and state air operating permit requirements.

? Authored an air construction permit for an additional emission source for submittal to state regulatory authority.

? Responsible for updating and maintaining the wastewater compliance database, procuring water usage information from throughout the facility, coordinating bimonthly wastewater sampling, and preparation of monthly industrial wastewater reports to the local regulatory agency.

? Prepared and submitted quarterly Discharge Monitoring Reports for the NPDES permit to the state regulatory agency.

? Performed quarterly storm water inspections for adherence to requirements of the SWFWMD storm water and NPDES permit.

? Provided oversight for two ground water remediation systems to ensure operational status, sampling requirements were met, review and submittal of quarterly and annual ground water sampling reports to the state regulatory agency.

? Assisted in meeting NAM requirements for the on-site ground water remediation system (under consent order) after a seven year operational history.

? Reviewed and approved subcontractor invoices including waste disposal (hazardous and non-hazardous, biomedical, solid waste and recycling companies), and consultants (air, environmental, industrial hygiene and laboratories).

? Performed cost analysis of subcontractors and made recommendations for procuring cost effective services.

? Maintained databases for receipt and use of new process chemicals and provided the MSDS sheets to the appropriate regulatory authorities for adherence to permit requirements.

? Coded MSDS sheets in accordance with the Hazardous Management Information System (HMIS).

? Updated and maintained the hazardous and non-hazardous waste database.

? Updated and maintained the waste handling programs and health and safety programs for the facility.

? Responsible for training of production, laboratory, facilities, engineering and technical staff in the waste handling programs and health and safety programs.

? On call 24 hours for emergency spill response, responsible for coordinating spill cleanup, and

ensuring spill reports were submitted in a timely manner and appropriately documented.
? Maintained and replenished spill kit containers throughout the facility.

02/2006 - 03/2007

Senior Project Manager, Shaw Environmental & Infrastructure, Inc., Tampa, Florida

? Managed the installation of six petroleum remediation systems utilizing air sparge and soil vapor extraction remedial technology at active retail gasoline stations from bid procurement to operational status.
? Responsible for managing and maintaining operational status of six remedial systems through the use of remote computer assisted programs and routine field visits.
? Supervised and managed emergency response incidents involving leaking gasoline dispensers, removal of petroleum contaminated soil and regulatory clean closure.
? Managed and supervised contamination assessment activities at forty active retail gasoline stations from initial investigation to submittal of SARs for regulatory review.
? Obtained SAR approval.
? Responsible for budget projections, client database maintenance, and adherence to project budgets.
? Supervised and managed six technical field staff on a full-time basis.
? Prepared yearly project presentations on progress of site activities for client review and input

03/1997 - 01/2006

Environmental Specialist III, Florida Department of Environmental Protection, Southwest District, Tampa, Florida

? Knowledge of Department regulations, policies and procedures relating to permitting, compliance, enforcement and ground water cleanup.
? Ability to review SAPs, SARs, RAPs, ground water monitoring plans and reports for compliance with applicable Department regulations and recommend appropriate actions.
? Initiated and pursued enforcement actions by drafting warning notices, notices of violations, consent orders and case reports.
? Conducted meetings with engineers, geologists, developers, attorneys, municipal officials and property owners to negotiate initiation of the corrective action process and the settlement of violations through consent orders and/or remediation agreements.
? Managed the progress of assessment and cleanup activities for approximately sixty-five ground water and soil contaminated sites.
? Provided technical assistance to the Department staff and the public.

07/1993 - 10/1996

Project Scientist, O'Brien & Gere Engineers, Inc., Tampa, Florida

? Responsible for procuring projects totaling \$600,000 and increasing municipal and industrial client base.
? Responsible for interfacing with governmental agencies, maintaining client-consultant relations, and budget commitments.
? Conducted five compliance audits for beer, membrane, semi-conductor, medical valve, and archery manufacturers.
? Responsible for the coordination and documentation of OSHA training, FIT tests, CPR and First Aid training for twenty professionals and maintaining health and safety supplies

Professional Affiliations

National Registry of Environmental Professionals, REM, 1995
Institute of Hazardous Materials Management, Master, 1991

Laura J. Herron

Title: Scientist 4

Employee Number: 1064738

Location: Tampa, FL

Location2: US Hwy 30

Business Unit: Tampa Consulting & Engr

Company: Shaw Environmental, Inc

Contact Information

Work Phone: 727.743.2329

Skills

Group: BUSINESS ADMINISTRATION SPECIALTIES

Category: BUSINESS DEVELOPMENT

Skill/Experience Level: Calling on Executive-Level Customers : Senior

Skill/Experience Level: Lead Generation : Working Knowledge

Skill/Experience Level: Market Research : Working Knowledge

Skill/Experience Level: Negotiating : Working Knowledge

Skill/Experience Level: Presentations : Senior

Skill/Experience Level: Proposal Strategy and Development : Senior

Skill/Experience Level: Qualifying Opportunities : Senior

Category: EXECUTIVE MANAGEMENT

Skill/Experience Level: Construction Management Oversight: Working Knowledge

Skill/Experience Level: Contract Management: Working Knowledge

Skill/Experience Level: Contract Negotiations: Working Knowledge

Skill/Experience Level: Salary Administration: Working Knowledge

Skill/Experience Level: Sarbanes Oxley: Fundamental Knowledge

Skill/Experience Level: Vendor Contract Administration: Working Knowledge

Skill/Experience Level: Vendor Contract Negotiations: Working Knowledge

Category: LEGAL

Skill/Experience Level: Environmental Law : Working Knowledge

Category: MARKETING AND COMMUNICATIONS

Skill/Experience Level: Collateral Development (brochures, SOQs, newsletters, flysheets, press kits) : Working Knowledge

Category: PROPOSALS

Skill/Experience Level: Business Development : Working Knowledge

Skill/Experience Level: Electronic Deliverables : Working Knowledge

Skill/Experience Level: Estimating : Working Knowledge

Skill/Experience Level: Letter Proposals : Working Knowledge

Skill/Experience Level: Project Descriptions : Working Knowledge

Skill/Experience Level: Proofreading/Editing : Working Knowledge

Skill/Experience Level: Proposal Coordinator : Working Knowledge

Skill/Experience Level: Proposal Development/Preparation : Working Knowledge

Skill/Experience Level: Proposal Management : Working Knowledge

Skill/Experience Level: Technical Writing : Senior

Group: CONSTRUCTION/REMEDIATION SPECIALTIES

Category: CONSTRUCTION/REMEDIATION

Skill/Experience Level: Contaminated Sediments Management : Working Knowledge

Skill/Experience Level: Site Remediation : Working Knowledge

Group: CONSULTING SPECIALTIES

Category: ASSESSMENT/EVALUATION

Skill/Experience Level: Aquatic/Survey Impacts : Working Knowledge

Skill/Experience Level: Assessment : Senior

Skill/Experience Level: Biological Assessment : Working Knowledge

Skill/Experience Level: Brownfield : Working Knowledge

Skill/Experience Level: Contaminant Migration : Senior

Skill/Experience Level: Contaminated Sediments : Senior

Skill/Experience Level: Corrective Measures Study : Working Knowledge

Skill/Experience Level: Endangerment Assessment : Working Knowledge

Skill/Experience Level: Environmental Impact Statement : Working Knowledge

Skill/Experience Level: Environmental/Ecological Assessment : Working Knowledge

Skill/Experience Level: Ground Positioning System : Working Knowledge

Skill/Experience Level: Hazard Evaluation : Working Knowledge

Skill/Experience Level: Natural Resource Damage : Fundamental Knowledge

Skill/Experience Level: Phase I Assessment : Senior

Skill/Experience Level: Phase II Assessment : Senior

Skill/Experience Level: Phase III Assessment : Senior

Skill/Experience Level: Property Transfer: Senior

Skill/Experience Level: RCRA Facility Assessment : Senior

Skill/Experience Level: Risk Assessment - Ecological: Working Knowledge

Skill/Experience Level: Risk Assessment - Human Health: Working Knowledge

Skill/Experience Level: Waste Characterization : Senior

Skill/Experience Level: Wetlands: Senior

Category: AUDITS

Skill/Experience Level: Audits : Senior

Skill/Experience Level: Compliance : Senior

Skill/Experience Level: Environmental : Senior

Skill/Experience Level: Fire and Explosives : Senior

Skill/Experience Level: Quality Assurance : Senior

Category: CONSULTING

Skill/Experience Level: Brownfields Services : Working Knowledge

Skill/Experience Level: Due Diligence : Senior

Skill/Experience Level: EH&S Management : Senior

Skill/Experience Level: Property Transfer : Senior

Category: HOMELAND SECURITY

Skill/Experience Level: Emergency Response & Recovery Planning : Fundamental Knowledge

Skill/Experience Level: Emergency Response & Recovery Training : Fundamental Knowledge

Skill/Experience Level: Risk Assessments : Working Knowledge

Category: LAND DEVELOPMENT SERVICES

Skill/Experience Level: Erosion Control : Working Knowledge

Skill/Experience Level: Lake/Pond Design : Fundamental Knowledge

Skill/Experience Level: Preliminary Site Plans : Working Knowledge

Skill/Experience Level: Site Civil Design : Working Knowledge

Skill/Experience Level: Site Drainage : Working Knowledge

Skill/Experience Level: Site Grading : Working Knowledge

Skill/Experience Level: Site Planning : Working Knowledge

Skill/Experience Level: Slope Analysis : Working Knowledge

Category: LAND PLANNING

Skill/Experience Level: Environmental Assessment : Working Knowledge

Skill/Experience Level: Environmental Impact Statement : Working Knowledge

Category: TRAINING (Provided to Client)

Skill/Experience Level: Hazardous Waste Operations : Fundamental Knowledge

Skill/Experience Level: Health and Safety Courses and Seminars : Fundamental Knowledge

Skill/Experience Level: Quality Assurance/Quality Control : Fundamental Knowledge

Skill/Experience Level: Regulatory : Fundamental Knowledge

Group: ENVIRONMENTAL SPECIALTIES

Category: AIR

Skill/Experience Level: Air Quality : Fundamental Knowledge

Skill/Experience Level: Analysis : Fundamental Knowledge

Skill/Experience Level: Emissions Testing/Control/Measurement : Fundamental Knowledge

Skill/Experience Level: Indoor Air : Fundamental Knowledge

Skill/Experience Level: Industrial Ventilation : Fundamental Knowledge

Skill/Experience Level: MACT/NESHAP : Fundamental Knowledge

Skill/Experience Level: Permitting : Fundamental Knowledge

Skill/Experience Level: Pollution Control : Fundamental Knowledge

Skill/Experience Level: Regulatory Compliance : Fundamental Knowledge

Skill/Experience Level: Testing : Fundamental Knowledge

Category: ANALYTICAL

Skill/Experience Level: Data Management : Senior

Skill/Experience Level: Data Validation : Fundamental Knowledge

Skill/Experience Level: Field Analytical Methods : Working Knowledge

Skill/Experience Level: Field Immunoassay Testing: Working Knowledge

Skill/Experience Level: Laboratory Analytical Methods : Working Knowledge

Skill/Experience Level: Statistical Analysis : Fundamental Knowledge

Category: COMMUNITY RELATIONS

Skill/Experience Level: Advertising/Brochures : Working Knowledge

Skill/Experience Level: Community Relations : Fundamental Knowledge

Skill/Experience Level: Community Right-to-Know : Working Knowledge

Skill/Experience Level: Media Interaction : Fundamental Knowledge

Skill/Experience Level: Presentations : Senior

Skill/Experience Level: Public Meetings/Involvement : Senior

Category: REGULATORY

Skill/Experience Level: Analysis : Senior

Skill/Experience Level: AST/UST Regulations : Working Knowledge

Skill/Experience Level: CERCLA : Senior

Skill/Experience Level: Clean Air Act : Working Knowledge

Skill/Experience Level: Clean Water Act : Senior

Skill/Experience Level: Code of Federal Regulations : Senior

Skill/Experience Level: Community Right-to-Know: Senior

Skill/Experience Level: Compliance : Senior

Skill/Experience Level: Emergency Response: Working Knowledge

Skill/Experience Level: Hazardous Waste Evaluation : Senior

Skill/Experience Level: Litigation Support : Working Knowledge

Skill/Experience Level: MACT/NESHAP : Fundamental Knowledge

Skill/Experience Level: Negotiation : Senior

Skill/Experience Level: NEPA Compliance : Fundamental Knowledge

Skill/Experience Level: Permitting : Senior

Skill/Experience Level: RCRA Closure Plans : Senior
Skill/Experience Level: RCRA Compliance : Senior
Skill/Experience Level: RCRA Part B Applications/Permits : Senior
Skill/Experience Level: SARA Titles I, II, III : Working Knowledge
Skill/Experience Level: Spill Plans : Senior
Skill/Experience Level: Title V : Working Knowledge
Skill/Experience Level: TSCA : Working Knowledge
Category: RISK ASSESSMENT
Skill/Experience Level: Chemical/Petroleum Facilities: Working Knowledge
Skill/Experience Level: Ecological: Working Knowledge
Skill/Experience Level: Human Health: Working Knowledge
Skill/Experience Level: Water: Working Knowledge
Category: WASTE MINIMIZATION/POLLUTION PREVENTION
Skill/Experience Level: Recycling : Working Knowledge
Skill/Experience Level: Waste Minimization/Pollution Control : Working Knowledge
Category: WETLANDS
Skill/Experience Level: Assessment : Working Knowledge
Skill/Experience Level: Creation/Mitigation : Working Knowledge
Skill/Experience Level: Delineation : Working Knowledge
Skill/Experience Level: Dredging : Working Knowledge
Skill/Experience Level: Freshwater : Working Knowledge
Skill/Experience Level: Hydrology : Fundamental Knowledge
Skill/Experience Level: Restoration : Working Knowledge
Skill/Experience Level: Tidal Wetland : Senior
Skill/Experience Level: Waterfront Development : Working Knowledge

Group: FACILITY MANAGEMENT-SRM/MISSION SUPPORT SERVICES
Category: BUSINESS OPERATIONS
Skill/Experience Level: Administration : Fundamental Knowledge
Skill/Experience Level: Financial Accounting and Reporting : Fundamental Knowledge
Skill/Experience Level: Quality Control : Fundamental Knowledge
Skill/Experience Level: Safety Management : Fundamental Knowledge
Category: ENVIRONMENTAL SERVICES
Skill/Experience Level: Hazardous Waste Handling, Storage & Disposal : Senior
Skill/Experience Level: Laboratory Services : Working Knowledge
Skill/Experience Level: Wastewater Treatment Plant O&M: Fundamental Knowledge
Category: ROADS & GROUNDS SERVICES
Skill/Experience Level: Erosion Control : Fundamental Knowledge

Group: FIELD SERVICES SPECIALTIES
Category: ABOVEGROUND STORAGE TANKS
Skill/Experience Level: Aboveground Storage Tanks : Fundamental Knowledge
Skill/Experience Level: Cleaning : Fundamental Knowledge
Skill/Experience Level: Closure : Working Knowledge
Skill/Experience Level: Removal : Working Knowledge
Skill/Experience Level: Testing : Fundamental Knowledge
Category: ASBESTOS
Skill/Experience Level: Abatement : Fundamental Knowledge
Skill/Experience Level: Asbestos : Fundamental Knowledge
Skill/Experience Level: Assessment : Fundamental Knowledge
Skill/Experience Level: Survey : Working Knowledge

Skill/Experience Level: Testing : Fundamental Knowledge

Category: DRILLING

Skill/Experience Level: Borings : Working Knowledge

Skill/Experience Level: Drilling : Working Knowledge

Skill/Experience Level: Geoprobe : Working Knowledge

Skill/Experience Level: Monitoring Well Installation : Working Knowledge

Skill/Experience Level: Recovery Well Installation : Fundamental Knowledge

Category: DRUMS

Skill/Experience Level: Cleaning : Fundamental Knowledge

Skill/Experience Level: Closure : Fundamental Knowledge

Skill/Experience Level: Crushing/Disposal : Working Knowledge

Skill/Experience Level: Drums : Senior

Skill/Experience Level: Location : Senior

Skill/Experience Level: Removal : Senior

Skill/Experience Level: Selection of Drum Type: Working Knowledge

Skill/Experience Level: Testing : Working Knowledge

Skill/Experience Level: Waste Characterization : Senior

Skill/Experience Level: Waste Disposal & Shipping : Senior

Category: OPERATIONS AND MAINTENANCE

Skill/Experience Level: Bioremediation Systems : Working Knowledge

Skill/Experience Level: Groundwater Treatment Plant Operations : Working Knowledge

Skill/Experience Level: Soil Vapor Extraction Systems : Working Knowledge

Skill/Experience Level: Start-up : Working Knowledge

Category: SAMPLING

Skill/Experience Level: Aboveground Storage Tanks : Working Knowledge

Skill/Experience Level: Air : Working Knowledge

Skill/Experience Level: Drilling : Senior

Skill/Experience Level: Drums : Senior

Skill/Experience Level: Fixed Laboratory Analysis : Senior

Skill/Experience Level: Mobile Laboratory Analysis : Senior

Skill/Experience Level: Sampling : Senior

Skill/Experience Level: Soil : Senior

Skill/Experience Level: Underground Storage Tanks : Senior

Skill/Experience Level: Wipe : Working Knowledge

Category: SURVEY

Skill/Experience Level: Aerial Surveys : Working Knowledge

Skill/Experience Level: Hazardous Waste Survey : Working Knowledge

Skill/Experience Level: Utility Locates : Working Knowledge

Skill/Experience Level: Well Monitoring : Working Knowledge

Category: UNDERGROUND STORAGE TANKS

Skill/Experience Level: Closure : Working Knowledge

Skill/Experience Level: Installation : Working Knowledge

Skill/Experience Level: Location : Working Knowledge

Skill/Experience Level: Removal : Working Knowledge

Skill/Experience Level: Testing : Working Knowledge

Skill/Experience Level: Underground Storage Tanks : Working Knowledge

Group: PROJECT MANAGEMENT SPECIALTIES

Category: CONSTRUCTION MANAGEMENT - SUBCONTRACTS ADMINISTRATION

Skill/Experience Level: Invitation to Bid Formation: Working Knowledge

Skill/Experience Level: Spreadsheet Development: Working Knowledge

Skill/Experience Level: Subcontract Bid Evaluation: Working Knowledge
Skill/Experience Level: Subcontract Conformance: Working Knowledge
Skill/Experience Level: Subcontract Negotiations: Working Knowledge
Skill/Experience Level: Subcontract Pricing and Costing: Working Knowledge
Skill/Experience Level: Subcontractor Prequalification Review: Working Knowledge
Skill/Experience Level: Time and Materials Cost Control: Working Knowledge
Category: ENGINEERING PROJECT CONTROLS
Skill/Experience Level: Conceptual Planning & Scheduling : Working Knowledge
Skill/Experience Level: Construction Management Planning & Scheduling : Working Knowledge
Skill/Experience Level: Cost & Scheduling Analysis : Working Knowledge
Skill/Experience Level: Cost Forecasting : Working Knowledge
Category: PROJECT ACCOUNTING
Skill/Experience Level: Accounts Payable : Working Knowledge
Skill/Experience Level: Billing Support : Fundamental Knowledge
Skill/Experience Level: Cost Accounting : Fundamental Knowledge
Skill/Experience Level: Procurement/Sourcing : Fundamental Knowledge
Skill/Experience Level: Project Closeout : Fundamental Knowledge
Skill/Experience Level: Project Control Logs : Fundamental Knowledge
Skill/Experience Level: Project Mobilization : Fundamental Knowledge
Skill/Experience Level: Shaw Policies/Procedures : Fundamental Knowledge
Skill/Experience Level: Vendor Relations : Fundamental Knowledge
Category: PROJECT CONTROLS
Skill/Experience Level: Basic Accounting: Fundamental Knowledge
Skill/Experience Level: Conceptual Planning & Scheduling : Working Knowledge
Skill/Experience Level: Construction Management Planning & Scheduling : Working Knowledge
Skill/Experience Level: Cost & Scheduling Analysis : Working Knowledge
Skill/Experience Level: Cost Forecasting : Working Knowledge
Skill/Experience Level: Schedule Forecasting : Working Knowledge
Skill/Experience Level: Scheduling - Overall: Working Knowledge
Category: PROJECT CONTROLS - MASTER LIST
Skill/Experience Level: Basic Accounting: Fundamental Knowledge
Skill/Experience Level: Change Control/Contracts: Fundamental Knowledge
Skill/Experience Level: Conceptual Planning & Scheduling : Working Knowledge
Skill/Experience Level: Construction Management Planning & Scheduling : Working Knowledge
Skill/Experience Level: Cost - Overall: Working Knowledge
Skill/Experience Level: Cost & Scheduling Analysis : Working Knowledge
Skill/Experience Level: Cost Forecasting : Working Knowledge
Skill/Experience Level: Estimating: Fundamental Knowledge
Skill/Experience Level: Schedule Forecasting : Working Knowledge
Skill/Experience Level: Scheduling - Overall: Working Knowledge
Category: PROJECT MANAGEMENT
Skill/Experience Level: Budgets : Working Knowledge
Skill/Experience Level: Contract Administration : Working Knowledge
Skill/Experience Level: Contract Management - Cost Reimbursable: Working Knowledge
Skill/Experience Level: Contract Management - Firm Fixed Price: Working Knowledge
Skill/Experience Level: Contract Management - T&M : Working Knowledge
Skill/Experience Level: Cost/Scheduling : Working Knowledge
Skill/Experience Level: Emergency Planning : Working Knowledge

Skill/Experience Level: Laboratory Management : Working Knowledge
Skill/Experience Level: Program Development/Management : Working Knowledge
Skill/Experience Level: Project Management : Working Knowledge
Skill/Experience Level: Site Management : Working Knowledge
Skill/Experience Level: Technical/Report Writing : Senior

Group: TECHNICAL SPECIALTIES

Category: CONTAMINANT REMEDIATION

Skill/Experience Level: Arsenic : Working Knowledge
Skill/Experience Level: Benzene : Working Knowledge
Skill/Experience Level: BTEX : Working Knowledge
Skill/Experience Level: Cadmium : Working Knowledge
Skill/Experience Level: Chromium : Working Knowledge
Skill/Experience Level: Corrosives : Working Knowledge
Skill/Experience Level: Cyanide : Working Knowledge
Skill/Experience Level: DCA : Working Knowledge
Skill/Experience Level: DCE : Working Knowledge
Skill/Experience Level: DNAPL : Working Knowledge
Skill/Experience Level: Flammable : Working Knowledge
Skill/Experience Level: Heavy Metals : Working Knowledge
Skill/Experience Level: Herbicides : Working Knowledge
Skill/Experience Level: Lead : Working Knowledge
Skill/Experience Level: Lead-Based Paint : Fundamental Knowledge
Skill/Experience Level: LNAPL : Working Knowledge
Skill/Experience Level: Mercury : Working Knowledge
Skill/Experience Level: Methane: Fundamental Knowledge
Skill/Experience Level: NAPL : Working Knowledge
Skill/Experience Level: Oxidizers : Working Knowledge
Skill/Experience Level: PAH : Working Knowledge
Skill/Experience Level: PCBs : Working Knowledge
Skill/Experience Level: PCE : Working Knowledge
Skill/Experience Level: Pesticides : Working Knowledge
Skill/Experience Level: Phosphates/Fertilizers : Working Knowledge
Skill/Experience Level: Radon : Working Knowledge
Skill/Experience Level: Solvents : Working Knowledge
Skill/Experience Level: TCA : Working Knowledge
Skill/Experience Level: TCDD : Working Knowledge
Skill/Experience Level: TCE : Working Knowledge
Skill/Experience Level: TPH : Working Knowledge
Skill/Experience Level: TSCA Managed Waste : Fundamental Knowledge

Category: ENERGY AND COMMUNICATIONS

Skill/Experience Level: Land Use Permitting : Working Knowledge
Skill/Experience Level: Site Acquisition : Fundamental Knowledge
Skill/Experience Level: Site Evaluation : Working Knowledge
Skill/Experience Level: Underground Utilities : Working Knowledge

Category: ENGINEERING DESIGN - OVERALL

Skill/Experience Level: Remedial Design : Fundamental Knowledge

Category: GEOLOGY

Skill/Experience Level: Erosion and Sediment Control : Working Knowledge
Skill/Experience Level: Geophysical Survey : Fundamental Knowledge
Skill/Experience Level: Hydrogeological Subsurface Studies : Senior

Skill/Experience Level: Hydrogeological Surface Studies : Senior
Skill/Experience Level: Slope Analysis: Fundamental Knowledge
Skill/Experience Level: Slope Protection : Fundamental Knowledge
Skill/Experience Level: Stratigraphy : Working Knowledge
Skill/Experience Level: Structural Geology : Fundamental Knowledge
Skill/Experience Level: Structural Mapping : Fundamental Knowledge
Skill/Experience Level: Surface Water Hydrology : Senior
Skill/Experience Level: Surface/Borehole Physics : Fundamental Knowledge
Category: GEOTECHNICAL ENGINEERING
Skill/Experience Level: Earthwork - Erosion and Sediment Control : Working Knowledge
Skill/Experience Level: Earthwork - Preparation of Specifications : Fundamental Knowledge
Skill/Experience Level: Earthwork - Site Preparation : Fundamental Knowledge
Skill/Experience Level: Earthwork - Slope Protection : Fundamental Knowledge
Skill/Experience Level: Field Coordination : Fundamental Knowledge
Skill/Experience Level: Groundwater - Dewatering : Fundamental Knowledge
Skill/Experience Level: Groundwater - Water Wells : Fundamental Knowledge
Skill/Experience Level: Site Investigations - Borings : Working Knowledge
Skill/Experience Level: Site Investigations - Field Support : Working Knowledge
Skill/Experience Level: Site Investigations - Surveying : Fundamental Knowledge
Skill/Experience Level: Site Investigations - Trenching/Test Pits: Fundamental Knowledge
Skill/Experience Level: Testing & Monitoring - Chemical Testing : Working Knowledge
Skill/Experience Level: Testing & Monitoring - Instrumentation : Working Knowledge
Skill/Experience Level: Testing & Monitoring - Laboratory Testing : Working Knowledge
Category: HEALTH AND SAFETY
Skill/Experience Level: Accident Investigation : Fundamental Knowledge
Skill/Experience Level: Construction : Fundamental Knowledge
Skill/Experience Level: Industrial Hygiene : Working Knowledge
Skill/Experience Level: Manuals/Procedures : Working Knowledge
Skill/Experience Level: Noise : Working Knowledge
Skill/Experience Level: OSHA Reportables : Fundamental Knowledge
Skill/Experience Level: Personnel Monitoring : Fundamental Knowledge
Skill/Experience Level: Program Development : Fundamental Knowledge
Skill/Experience Level: Site Safety/Health Officer : Working Knowledge
Category: INFRASTRUCTURE/TRANSPORTATION DESIGN
Skill/Experience Level: Hazardous Waste Disposal/Management: Working Knowledge
Skill/Experience Level: Preliminary Roadway Design : Fundamental Knowledge
Skill/Experience Level: Road Design : Fundamental Knowledge
Skill/Experience Level: Road Drainage : Fundamental Knowledge
Skill/Experience Level: Road Extension : Fundamental Knowledge
Skill/Experience Level: Road Grading : Fundamental Knowledge
Skill/Experience Level: Road Storm Sewer Systems : Fundamental Knowledge
Skill/Experience Level: Solid Waste Landfill Design: Fundamental Knowledge
Skill/Experience Level: Surveying: Fundamental Knowledge
Category: MIXED WASTE
Skill/Experience Level: Characterization : Fundamental Knowledge
Skill/Experience Level: Management : Fundamental Knowledge
Skill/Experience Level: Mixed Waste : Fundamental Knowledge
Skill/Experience Level: Treatment/Disposal : Fundamental Knowledge
Category: QUALITY ASSURANCE
Skill/Experience Level: Analytical/Chemical Quality : Working Knowledge
Skill/Experience Level: Auditing : Working Knowledge

Skill/Experience Level: Manuals/Procedures : Working Knowledge

Skill/Experience Level: Plan Preparation : Working Knowledge

Skill/Experience Level: Quality Control : Working Knowledge

Category: RENEWABLE ENERGY

Skill/Experience Level: Solar Power: Fundamental Knowledge

Skill/Experience Level: Wind Power: Fundamental Knowledge

Category: SITE INVESTIGATION

Skill/Experience Level: Aerial Photography Interpretation : Working Knowledge

Skill/Experience Level: Aerial Survey : Working Knowledge

Skill/Experience Level: Aquatic Bioassay Testing/Bioassembly : Fundamental Knowledge

Skill/Experience Level: Aquifer Testing : Working Knowledge

Skill/Experience Level: Borehole Television : Fundamental Knowledge

Skill/Experience Level: Excavation of Test Pits/Trenches : Working Knowledge

Skill/Experience Level: Ground Penetrating Radar : Working Knowledge

Skill/Experience Level: Groundwater Monitoring/Recovery Well Installation: Working Knowledge

Skill/Experience Level: Permeability Testing : Working Knowledge

Skill/Experience Level: RCRA Facility Investigation : Working Knowledge

Skill/Experience Level: Remedial Action Plan : Working Knowledge

Skill/Experience Level: Remedial Investigation : Working Knowledge

Skill/Experience Level: RI/FS : Working Knowledge

Skill/Experience Level: Risk Assessment : Working Knowledge

Skill/Experience Level: Risk Management : Working Knowledge

Skill/Experience Level: Site Investigation : Working Knowledge

Skill/Experience Level: Soil-Gas Survey : Working Knowledge

Skill/Experience Level: Subsurface Investigation : Working Knowledge

Skill/Experience Level: Surveying : Fundamental Knowledge

Skill/Experience Level: Test Pits : Fundamental Knowledge

Skill/Experience Level: Vadose Zone Characterization : Working Knowledge

Category: SOLID WASTE SERVICES

Skill/Experience Level: Cell Construction : Fundamental Knowledge

Skill/Experience Level: Composting : Fundamental Knowledge

Skill/Experience Level: Design/Build : Fundamental Knowledge

Skill/Experience Level: Household Hazardous Waste Facilities : Fundamental Knowledge

Skill/Experience Level: Landfill Closure: Fundamental Knowledge

Skill/Experience Level: Landfill Engineering Design : Fundamental Knowledge

Skill/Experience Level: Landfill Gas System : Fundamental Knowledge

Skill/Experience Level: Landfill Liner/Cover : Fundamental Knowledge

Skill/Experience Level: Landfill Permitting : Fundamental Knowledge

Skill/Experience Level: Landfill Siting : Fundamental Knowledge

Skill/Experience Level: Leachate Collection/Removal/Treatment/Design : Fundamental Knowledge

Skill/Experience Level: Post Closure Monitoring/Reporting/O&M : Fundamental Knowledge

Category: TREATMENT/REMEDIATION

Skill/Experience Level: Air Sparging : Working Knowledge

Skill/Experience Level: Air Stripping : Working Knowledge

Skill/Experience Level: Bioremediation : Working Knowledge

Skill/Experience Level: Chemical Oxidation : Working Knowledge

Skill/Experience Level: Chemical Reduction : Fundamental Knowledge

Skill/Experience Level: Contaminated Sediments : Working Knowledge

Skill/Experience Level: Decontamination : Working Knowledge

Skill/Experience Level: Deep Well Injection : Fundamental Knowledge
Skill/Experience Level: Demolition : Fundamental Knowledge
Skill/Experience Level: Dewatering : Fundamental Knowledge
Skill/Experience Level: Dredging : Fundamental Knowledge
Skill/Experience Level: Emergency Response : Fundamental Knowledge
Skill/Experience Level: Excavation : Working Knowledge
Skill/Experience Level: Groundwater Treatment : Working Knowledge
Skill/Experience Level: Hazardous Materials Cleanup : Working Knowledge
Skill/Experience Level: Hazardous Waste Transportation : Senior
Skill/Experience Level: Landfarming : Fundamental Knowledge
Skill/Experience Level: Mitigation Measures : Working Knowledge
Skill/Experience Level: Natural Attenuation : Working Knowledge
Skill/Experience Level: Soil Remediation : Working Knowledge
Skill/Experience Level: Soil Vapor Extraction : Working Knowledge
Skill/Experience Level: Source Control : Working Knowledge
Skill/Experience Level: Thermal Treatment/Incineration Systems : Fundamental Knowledge
Skill/Experience Level: Vadose Zone : Working Knowledge
Skill/Experience Level: Wastewater Treatment : Fundamental Knowledge
Category: WATER RESOURCES
Skill/Experience Level: Drinking Water : Working Knowledge
Skill/Experience Level: Groundwater Flow in Bedrock : Working Knowledge
Skill/Experience Level: Groundwater Hydraulics : Working Knowledge
Skill/Experience Level: Hydrogeology : Working Knowledge
Skill/Experience Level: Limnology : Fundamental Knowledge
Skill/Experience Level: Oceanography : Senior
Skill/Experience Level: Piping : Working Knowledge
Skill/Experience Level: Sanitary Sewer System : Fundamental Knowledge
Skill/Experience Level: Storm Drainage : Fundamental Knowledge
Skill/Experience Level: Storm Sewer : Fundamental Knowledge
Skill/Experience Level: Storm Treatment/Biofilter : Working Knowledge
Skill/Experience Level: Storm Water Detention : Working Knowledge
Skill/Experience Level: Storm Water Management : Working Knowledge
Skill/Experience Level: Surface Water Hydrology : Working Knowledge
Skill/Experience Level: Vegetation Studies : Working Knowledge
Skill/Experience Level: Waste Treatment : Fundamental Knowledge
Skill/Experience Level: Water Quality : Working Knowledge
Skill/Experience Level: Water Supply and Distribution Systems : Fundamental Knowledge
Skill/Experience Level: Watershed Assessment : Working Knowledge
Skill/Experience Level: Wells : Working Knowledge

Other Information

Languages

Language: Speak Read Write

French: Moderate, Moderate, Moderate

Years of Experience

Previous Employers: 0.00

Shaw: 0

Total of 0.00 year(s) experience

Experience in EPA Regions

Region 1 (CT MA ME NH RI VT)

Region 2 (NJ NY Puerto Rico Virgin Islands)

Region 3 (DC DE MD PA VA WV)

Region 4 (AL FL GA KY MS NC SC TN)

Industry Experience

Academic

Aviation

Chemicals - Organic

Coal Tar

Environmental

Food

Fuels

Insurance

Laboratory

Manufacturing

Pharmaceutical

Ports and Harbors

Railroad

Real Estate Restoration

Solid Waste

Transportation

Utilities

Warehouse/Distribution

Passport Information

Do you have a valid Passport? Yes

Country: United States

Expiration Date: 08/2012

Appendix B

Database Assessment Criteria and Statement of Limitations

Regulatory Database Assessment Criteria

The purpose of the regulatory agency environmental database review was to identify reported environmental issues for the Property and other properties in the vicinity. The database search criteria included the approximate minimum search distances specified in the Scope of Work described in Section 2.0. The descriptions of the databases searched and the associated search distances from the Property are identified in the regulatory agency database search report presented in Appendix D.

The database search report lists a number of sites identified as “unmappable.” The database search firm was unable to confirm the physical locations of these sites relative to the Property or to assess whether they were located within the designated search radii. Shaw Environmental, Inc. (Shaw) independently reviewed the locations of these “unmappable” sites, to the extent possible, using various maps and our knowledge of the Property area. Any of the “unmappable” sites determined to be within the designated search radii were included in our evaluation of the various listed sites potential to result in a recognized environmental condition relative to the Property.

Shaw evaluated each reported site identified in the regulatory agency database search report with respect to the nature and extent of the release, the distance of the site from the Property, the stratigraphy of soils, the expected soil permeability, and the topographic position of a reported release site with respect to known or expected local and/or regional groundwater flow direction. Reported release sites located within ¼-mile upgradient or ⅛-mile cross-gradient or adjacent downgradient are considered to have a potential to have impacted the Property and were further assessed by reviewing agency records and/or interviewing agency personnel.

Statement of Limitations

The conclusions presented in this report are professional opinions based on data described in this report. These opinions have been arrived at in accordance with currently accepted environmental industry standards and practices applicable to the work described in this report. The opinions presented are subject to the following inherent limitations:

1. This report was prepared for the exclusive use of the entity referenced in Section 1.0, the User. No other entity may rely on the information presented in the report without the expressed written consent of Shaw. Any use of the Phase I ESA report constitutes acceptance of the limits of Shaw's liability. Shaw's liability extends only to its client and not to any other parties who may obtain the Phase I ESA report.
2. Shaw derived the data in this report primarily from visual inspections, examination of records in the public domain, and interviews with individuals having information about the Property. The passage of time, manifestation of latent conditions, or occurrence of future events may require further study at the Property; analysis of the data; and reevaluation of the findings, observations, and conclusions in the report.
3. The data reported and the findings, observations, and conclusions expressed in the report are limited by the scope of work that was performed within the approved time and budgetary requirements. The scope of work is presented in Section 2.0 and was agreed to by the client.
4. Shaw's Phase I ESA report presents professional opinions and findings of a scientific and technical nature. The report shall not be construed to offer legal opinion or representations as to the requirements of, or compliance with, environmental laws, rules, regulations, or policies of federal, state, or local governmental agencies.
5. This report is not a definitive study of contamination at the Property and should not be interpreted as such. Unless indicated to the contrary in Section 2.0, an intrusive assessment of subsurface soil, groundwater, or other environmental media was not performed as part of this investigation,
6. This report is based, in part, on unverified information supplied to Shaw by third-party sources. While efforts have been made to substantiate this third-party information, Shaw cannot guarantee its completeness or accuracy.