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Phase I and II Environmental Site Assessment

TANGLEWOOD CROSSING

5273 Highway 158
Advance, Davie County, North Carolina

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I certify that this report and all attachments were prepared under my direction in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

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1.0 EXECUTIVE SUMMARY

EnviroAssessments (EA) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527-05, and a Phase II ESA in conformance with the scope and limitations of the ASTM Practice E 1903-97, of the Tanglewood Crossing property (the "Project") located at 5273, 5275, 5277, 5279, 5281, 5283, 5285, 5287 and 5289 Highway 158 in Advance, Davie County, North Carolina.

The Project consists of one irregular-shaped parcel of land totaling approximately 8.27 acres recorded as Parcel Identification Number 5872336902 according to the Davie County Tax Assessor's Office. The Project currently operates as a commercial retail shopping center. The Project is improved with two single-story structures consisting of concrete slab-on-grade foundations, concrete block walls with brick veneer exterior and flat roofs. Building 1 was constructed in 1997 and Building 2 was constructed in 2004. Building 1 contains approximately 59,143 square feet and contains the following six tenant spaces: Town & Country, Radio Shack, Jimmy the Greek Restaurant, Food Lion, ABC Store and one vacant tenant space (former K&R Cleaners Inc.). Building 2 contains approximately 9,775 square feet and contains the following three tenant spaces: Venezia Italian Family restaurant, King Buffet Chinese Restaurant and one vacant tenant space (former Movie Gallery). Interior finishes consist of concrete floors, vinyl tile flooring, ceramic tile flooring and carpet, painted CMU walls, painted drywall, and acoustic ceiling tiles. The remainder of the Project exists as asphalt parking/drive areas and landscaped areas. The Project is accessible via NC Highway 801 to the northeast and US Highway 158 to the southeast. EA personnel did not observe any water supply wells or groundwater monitoring wells on the Project. Historical information researched during this ESA indicates that the Building 1 current improvements at the Project were constructed in 1997, prior to which the Project appears to have existed as undeveloped or agricultural land since at least 1936.

The ASTM E-1527-05 Practice defines "recognized environmental conditions" (RECs) as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property." RECs pose a potential to adversely-affect environmental conditions at a site, and RECs may represent a potential financial liability to property owners, purchasers and lenders in that local, state and/or federal requirements to address the RECs may be expensive and time-consuming. Additionally, the presence of RECs may adversely affect the "marketability" and "financeability" of the property.

The collective findings of the Phase I and II ESA revealed no evidence of recognized environmental conditions in connection with the Project; except for the following:

- The Project's 5289 Highway 158 address (referenced as K & R Cleaners, Inc., a dry cleaning facility) is identified in the EDR report on the RCRA-NonGen database. The RCRA database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste. Information in the RCRA database indicates that the Project (EPA ID Number NC0991302781) is a non-generator (NonGen) of hazardous waste is presently a non-generator of hazardous waste but is identified as a historic Small Quantity Generator. The EDR Report revealed no documented violations or release incidents associated with the facility operations. However, dry cleaners use substantial amounts of dry-cleaning solvents, including perchloroethylene, in the dry-cleaning process. Perchloroethylene and other similar chlorinated

organic dry-cleaning chemicals are classified by the U.S. EPA as hazardous substances and their use and disposal are highly regulated by federal and state laws. However, use and disposal of the chemicals were not regulated in the past, and leaks and spills of the chlorinated compounds associated with storage and disposal of chemical filters and waste solvents (into trash receptacles and septic systems), as well as discharges from leaking equipment and pipes have resulted in significant ground water contamination incidents at many properties occupied by dry-cleaning establishments. The specific chemical properties of chlorinated solvents facilitate their rapid transport through soils and their prolific migration in groundwater. The highly toxic nature of the solvents has prompted federal and state regulatory agencies to establish stringent cleanup levels for the compounds. Due to its prior operation as a dry cleaner, a potential exists that undocumented release(s) from the dry cleaning operations have impacted the environmental quality of the Project.

On November 16, 2010, as part of Phase II Environmental Site Assessment activities, EA and its subcontractor utilized a Geoprobe sampling device to advance 4 soil samples (S-1-16, S-2-16, S-3-4 and S-4-3) and 3 groundwater samples (WS-3, WS-4 and WS-5) in the vicinity of and below the former dry-cleaning tenant space. All of the samples were submitted for Volatile Organic Compounds by EPA Method 8260B and PAH by EPA Method 8270C. Laboratory analysis of soil sample S-4-3 revealed a Tetrachloroethene concentration of 0.0963 mg/kg, exceeding the soil-to-groundwater MSCC of 0.0074 mg/kg for Tetrachloroethene and the Inactive Hazardous Sites Branch (IHSB) Soil Remediation Goals (SRG) of 0.005 mg/kg for Tetrachloroethene. Groundwater sample WS-5, collected from boring S-4 located within the dry-cleaning tenant space, also revealed a Tetrachloroethene concentration of 21.2 ug/L, exceeding its respective 2L Standard of 0.7 ug/L. The assessment and remediation of solvent contamination is a state-regulated activity that is often expensive and time-consuming. Additionally, the presence of contamination may adversely-affect the “financeability” and “marketability” of the Project.

- The 4 Brothers Food Store 310, an active BP gasoline filling station located at 117 NC Highway 801 North, is identified on the registered UST database. The EDR report listed this site in the Orphan Summary. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists one 10,000-gallon gasoline and one 12,000-gallon gasoline USTs currently in operation at this site (Facility ID # 0-035925). The USTs were reportedly installed on January 20, 1999. According to the State’s UST registration database, the USTs appear to have been constructed in compliance with current federal and state regulations regarding corrosion protection, spill/overfill prevention and leak detection. State regulatory files revealed no documented petroleum releases associated with the current USTs. EA personnel inquired with Ms. Linda Estkowski at the North Carolina Department of Environment and Natural Resources (NC DENR) Winston-Salem Regional Office (WSRO) regarding the site. According to Ms. Estkowski no releases are on file for the gasoline filling station. Based on its proximity to the Project, topographic relation, and the estimated groundwater flow direction; a potential exists that undocumented releases from this site have impacted the Project.

  On November 16, 2010, as part of the Phase II Environmental Site Assessment activities, EA and its subcontractor utilized a Geoprobe sampling device to advance 2 groundwater samples (WS-1 and WS-2) along the east and northeastern property boundaries closest to the off-site concerns. The groundwater samples were submitted for Volatile Organic Compounds by EPA Method

8260B and PAH by EPA Method 8270C. Laboratory analysis of groundwater sample WS-1 revealed a Benzene concentration of 9.5 micrograms per liter (ug/L), exceeding the NCAC 2L Groundwater Standard of 1 ug/L for Benzene. Methyl tert-Butyl Ether (MTBE) was also detected in WS-1 at a concentration of 1,420 ug/L, exceeding the NCAC 2L Groundwater Standard of 20 ug/L for MTBE. In addition, tert-Butyl Alcohol was detected at 1,660 ug/L and Diisopropyl Ether (DIPE) was detected at 12.6 ug/L, which is below the 2L Standard of 70 ug/L for DIPE. Currently there is not a 2L Standard established for tert-Butyl Alcohol. No target analytes were detected in groundwater sample WS-2. The assessment and remediation of petroleum contamination is a state-regulated activity that is often expensive and time-consuming. Additionally, the presence of contamination may adversely-affect the "financeability" and "marketability" of the Project.

- 801 Shell Service, a former gasoline filling station (currently undeveloped land) located at 136 NC Highway 801 North, is identified on the registered UST database, IMD database, LUST database and LUST TRUST database (Incident # 30557). The EDR report incorrectly identified this site as located 672 feet to the east-northeast of the Project. This site is located on the adjacent property to the east-northeast beyond NC Highway 801 approximately 70 feet and topographically upgradient relative to the Project. The NCDENR UST registration database lists seven USTs which were formerly in operation at this site (Facility ID # 0-012847). According to the report two 10,000-gallon gasoline USTs were reportedly installed on June 5, 1967 and removed on January 7, 1989; one 550-gallon oil UST was reportedly installed on May 5, 1968 and removed on January 10, 1988; and one 6,000-gallon gasoline UST was reportedly installed on May 5, 1970 and removed on January 10, 1988. In addition, one 8,000-gallon gasoline UST and two 10,000-gallon gasoline USTs were installed on September 22, 1989 and removed on August 16, 2007. A petroleum release incident reportedly occurred at the site on February 28, 2005 during a DOT investigation. Groundwater and soil contamination were reported.

  As part of EA's previous Phase I ESA dated December 29, 2009 (text portion included as **Appendix 2**), EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office. EA personnel reviewed an Initial Abatement Action Report for the site, prepared by Terraquest and dated September 26, 2008. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by General Engineering and Environmental of NC, Inc. (GEL) on February 25, 2005. The investigation was performed due to NC Department of Transportation (NCDOT) construction plans in the right of way which encroached onto the 801 Shell Service site. Information was reported to NCDENR-UST section who subsequently issued a Notice of Regulatory Requirements (NORR) directing a *Site Check* be completed to assess the petroleum release from the UST systems. In July and August of 2005, Terraquest initiated the *Site Check* by collecting soil samples in the area of the former and current UST systems and installing three monitoring wells (MW-1 through MW-3) in the area of the current UST system and dispenser islands. The *Site Check Report* was submitted to NCDENR on August 5, 2005. The report identified several petroleum constituents at levels exceeding the NC 2L standards in MW-1 and MW-2 at the site, therefore Terraquest conducted a *Limited Site Assessment (LSA)* to determine the risk classification of the site. Three additional groundwater monitoring wells (MW-4 through MW-6) were installed at the site. The *LSA Report* was submitted to NCDENR on January 26, 2006. The report indicated the presence of one potable water supply well located approximately 360 feet from the site and identified several petroleum constituents at levels exceeding the NC 2L

standards in MW-4 and MW-5 at the site, therefore NCDENR assigned the site a priority rank of high risk. The NCDOT purchased the right of way to part of the property which included the UST system, as part of the road improvement project. On August 16, 2007, GEL supervised the removal of the UST system, piping and dispensers. The UST Closure Report dated October 22, 2007 indicated the presence of petroleum constituents in excess of Soil to Groundwater MSCCs in two soil samples collected from beneath one of the dispenser islands. Terraquest supervised the excavation of contaminated soil in the vicinity of the former dispenser island on September 4, 2008 following a Notice of Violation from NCDENR dated August 1, 2008. Approximately 10.95 tons of contaminated soil was excavated and properly disposed of offsite. Confirmation soil samples from the excavation pit did not reveal petroleum constituents in excess of the state standards. The Initial Abatement Action Report concluded that the primary source of contamination at the site is believed to be the former UST system (one 8,000-gallon and two 10,000-gallon gasoline USTs). Terraquest recommended abandoning the nearby potable water supply well or connecting the property to the municipal water supply to reduce the risk ranking for the site, allowing the site to be closed using a Notice of Residual Petroleum (NRP).

EA personnel reviewed a Well Abandonment Record letter for the site, prepared by Terraquest and dated December 9, 2009. The well abandonment record was attached with the letter indicating that the well located at 136 Highway 801 North was abandoned on November 23, 2009. As part of the current Phase I ESA Update EA personnel contacted Ms. Linda Estkowski at the NC DENR WSRO regarding the site. According to Ms. Estkowski, the NCDENR issued a Notice of No Further Action (NFA) on March 1, 2010 after reviewing the Notice of Residual Petroleum (NRP), received on February 24, 2010. The review of the NRP indicated that groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination may have impacted the Project's groundwater quality. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities. Refer to **Section 9.4** for EA's recommendations.

- Mac's Foods, a former gasoline filling station (current location of 4 Brother's Food Store/BP station) located at 117 Highway 801, is identified on the registered UST database, IMD database and LUST database (Incident # 13698). The EDR report incorrectly identified this site as located 918 feet to the east of the Project. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists three USTs were formerly in operation at this site (Facility ID # 0-011552). According to the report one 10,000-gallon and two 6,000-gallon gasoline USTs were reportedly installed on January 8, 1973 and removed on October 19, 1994. A petroleum release incident was reported at the site on October 27, 1994 following the UST removals. Groundwater and soil contamination was reported.

  As part of the original Phase I ESA (dated December 29, 2009) EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office. EA personnel reviewed a Geophysical Survey and Preliminary Site Assessment Report for the site, prepared by General Engineering and Environmental of NC, Inc. (GEL) and dated March 28, 2005. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by Geotechnologies, Inc. in 1995. The

investigation was performed due to NCDOT construction plans to reconstruct the bridge and interchange area near the intersection of Interstate 40 and NC 801 North. The NCDOT wanted to assess the property to evaluate the extent (if any) of soil and/or groundwater contamination related to the operation of the former gas station previously located onsite and the current gas station located onsite within the proposed NCDOT right-of-way, and the impact (if any) of this operation on the proposed road improvements. In 1998, SEI Environmental, Inc. performed a Phase I Limited Site Assessment (*LSA*) at the site. The results of the LSA indicated onsite soil and groundwater contamination from petroleum hydrocarbons at levels exceeding the state standards. At that time SEI indicated that the site was a high priority based on the LSA analytical results and the presence of three potable water supply wells in the area. The three water supply wells were reportedly abandoned by 2004. On February 23, 2005, GEL collected soil samples in the area of the proposed NCDOT right-of-way and the area of former USTs. GEL returned to the site on February 25, 2005 to collect groundwater samples from two existing groundwater monitoring wells and one temporary monitoring well. GEL concluded that the composite soil samples collected did not contain petroleum constituents which exceeded their respective action levels. Petroleum constituents were detected at concentrations exceeding the NCDENR 2L Groundwater Quality Standards in the groundwater samples collected. The analytical results indicate that groundwater contamination currently exists at the site, which is most likely due to a release of petroleum from the former USTs that were removed in 1994.

The NCDENR issued a Notice of No Further Action (NFA) on June 9, 2009 after reviewing the Notice of Residual Petroleum (NRP), received on June 8, 2009. The review of the NRP indicated that soil contamination at the site exceeds the residential MSCCs and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination may have impacted the Project's soil and groundwater quality. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities.

In addition, the following item of note was identified:

- Data gaps were identified in the historical research for the Project. Historical information regarding the Project's use was not available between 1936 and 1955, between 1955 and 1966, between 1966 and 1981, and between 1981 and 1998. In accordance with ASTM 1527-05 guidelines, these constitute data gaps, as historical research was unavailable for more than ten year time periods. These gaps were caused by a lack of readily ascertainable historical re sources. Available historical resources indicate the current improvements were constructed in 1997, prior to which the Project existed as undeveloped or agricultural land since at least 1936. Based on the undeveloped or agricultural nature of the Project from at least 1936 to 1997 and the use of the Project from 1997 to the present as a commercial retail shopping center, these data gaps are not anticipated to impact the findings of this report.

Based on the findings of this ESA, EA recommends the following:

The solvent constituents that were detected in soil sample S-4-3 and groundwater sample WS-5 below the former dry-cleaner building exceed (IHSB) Soil Remediation Goals and NCAC 2L Groundwater Standards and appear to be a result of historical dry-cleaning activities at the Project.

- EA recommends reporting the findings of this investigation to the North Carolina Department of Environment and Natural Resources (NCDENR), Winston-Salem Regional Office, Inactive Hazardous Sites Branch (IHSB) in accordance with the technical and administrative requirements for site assessments and site cleanups pursuant to the Inactive Hazardous Sites Response Act of 1987 (N.C.G.S. 130A-310 et.seq.). The IHSB will determine specific additional assessment and/or remediation required of the owner of the on-site dry-cleaner or responsible party. In the interim, EA also recommends collecting additional soil and/or groundwater samples at the Project in an attempt to further delineate the extent of Tetrachloroethene (PCE) contamination detected in on-site soil and groundwater.

- EA also recommends conducting an indoor air quality/vapor intrusion study of the Project building(s) in order to determine if harmful vapors are migrating into the Project building(s) from the solvents detected in contaminated soil and groundwater below the former dry-cleaner building.

Considering the proximity of our sample point and the off-site UST basin, several petroleum constituents that were detected in groundwater sample WS-1 at the Project exceed NCAC 2L Standards and appear to be a result of off-site release(s) (leaks, spills and/or overfills) from the UST system located at the eastern adjacent 4 Brother's Food Store/BP station.

- EA recommends reporting the findings of this investigation to the North Carolina Department of Environment and Natural Resources (NCDENR), UST Section, Winston-Salem Regional Office, to report the off-site petroleum release and determine current regulatory status of the incident. Additional assessment and/or corrective action may be required by the responsible party of the off-site release (4 Brother's Food Store) regarding the on-site groundwater concentrations identified in sample WS-1 at the Project. In the interim, EA also recommends collecting additional soil and/or groundwater samples at the Project in an attempt to further delineate the downgradient extent of petroleum contamination detected in on-site groundwater.

EA's conclusions and recommendations are summarized in the following table.

Issue	Future or Potential Issue Identified? (Y/N)	REC/ Further Action Required? (Y/N)	Recommendation	Estimated Cost
Facility Operations	N	N		
USTs/ASTs	N	N		
Septic System	N	N		
Drains/Drywells	N	N		
Stains	N	N		
PCBs	N	N		
Asbestos	N	N		
Radon	N	N		
Lead-based paint	N	N		
Lead in drinking water	N	N		
Wetlands	N	N		
Adjoining Properties	Y	Y	Report petroleum contamination results to NCDENR, UST Section.	Pending UST Section determination of off-site release incident
Historical Use	Y	Y	Report chlorinated solvent contamination results to NCDENR IHSB. Evaluate indoor air quality/vapor intrusion potential.	Pending IHSB determination/ guidance
Regulatory Review	N	N		
Other (specify)	N/A	N/A		

2.0 INTRODUCTION

2.1 Purpose and Scope of Services

The purpose of this Phase I Environmental Site Assessment (ESA) is to evaluate the property with respect to the range of contaminants within the scope of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and petroleum products. The ESA was conducted in substantial compliance with ASTM Designation: E 1527-05 - *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* The intention of the ASTM E 1527-05 practice is "to permit a user to satisfy one of the requirements to qualify for the *innocent landowner defense* to CERCLA liability: that is, the practices that constitute 'all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice' as defined in 42 USC 9601(35) (B)." Specifically, this Phase I ESA included the following scope of services:

> *(A) Site and Vicinity Reconnaissance* - EA conducted a site and vicinity reconnaissance, the objective of which was to obtain information indicating the likelihood of the existence of "recognized environmental conditions" in connection with the subject property, as defined in ASTM E-1527-05. EA's site and vicinity reconnaissance included an evaluation of the site and nearby properties with respect to existing conditions and with respect to obvious indications and evidence of past conditions.
>
> *(B) Records Review* - EA conducted a records review, the objective of which was to obtain and review records (of both current and historical significance) in order to help identify "recognized environmental conditions" in connection with the subject property. Those specific records reviewed, including those records which were sought and were not readily available or reasonably ascertainable, are identified in the report.
>
> *(C) Interviews* – EA conducted interviews with persons associated with the subject property and with appropriate local government officials in order to identify "recognized environmental conditions" in connection with the subject property.

EA also conducted a Phase II ESA to evaluate potential concerns related to a former active on-site dry-cleaning facility and potential releases from adjacent and upgradient former filling stations, the specifics of which are included in this report.

2.2 Limitations and Exceptions of Assessment

This investigation is site-specific in that it relates to assessment of environmental conditions on the specific subject parcel of commercial real estate. This assessment does not address many additional issues raised in transactions such as purchases of business entities, or interests therein, or of their assets, that may well involve environmental liabilities pertaining to properties previously owned or operated or other off-site environmental liabilities.

As stipulated by the ASTM E-1527 Process, this ESA does not formally address certain non-scope issues including, but not limited to the following:

Asbestos-containing Materials
Mold Growth in Structures
Radon
Lead-based Paint
Lead in Drinking Water
Wetlands
Cultural and Historic Resources
Industrial Hygiene
Health and Safety
Ecological Resources
Endangered Species
Indoor Air Quality
High Voltage Power Lines
Underground Mine Shafts.

However, several of these issues are considered common to this particular type of property. Therefore, as part of this screen, at the request of the Client, EA has performed cursory visual inspections for the suspected presence of the following potential concerns, the findings of which are addressed in this report.

Asbestos-containing Materials (**Section 6.1.3.2**)
Mold Growth Issues (**Section 6.1.3.3**)
Lead-based Paint (**Section 6.1.3.4**)
Radon (**Section 6.1.4.9**)
Lead in Drinking Water (**6.1.4.10**)
Wetlands (**Section 6.1.4.11**)

2.3 Reliance

Hackney Real Estate Partners (the Client) and Hackney Real Estate Partners customer (the "Relying Party") may rely on the contents of the ESA subject to the limitations placed on the scope, nature and type of EA's services as stated in the ESA and subject to those Terms and Conditions as stated in EA's contract with the Client. The Relying Party is the only party to whom EA grants the right to rely upon the ESA. No other third party may rely on the ESA unless the express written consent of EA is first obtained.

3.0 SITE SETTING

3.1 Site Location and General Description

The Project consists of one irregular-shaped parcel of land totaling approximately 8.27 acres recorded as Parcel Identification Number 5872336902 according to the Davie County Tax Assessor's Office. The Project currently operates as a commercial retail shopping center. The Project is improved with two single-story structures consisting of concrete slab-on-grade foundations, concrete block walls with brick veneer exterior and flat roofs. Building 1 was constructed in 1997 and Building 2 was constructed in

2004. Building 1 contains approximately 59,143 square feet and contains the following six tenant spaces: Town & Country, Radio Shack, Jimmy the Greek Restaurant, Food Lion, ABC Store and one vacant tenant space (former K&R Cleaners Inc.). Building 2 contains approximately 9,775 square feet and contains the following three tenant spaces: Venezia Italian Family restaurant, King Buffet Chinese Restaurant and one vacant tenant space (former Movie Gallery). Interior finishes consist of concrete floors, vinyl tile flooring, ceramic tile flooring and carpet, painted CMU walls, painted drywall, and acoustic ceiling tiles. The remainder of the Project exists as asphalt parking/drive areas and landscaped areas. The Project is accessible via NC Highway 801 to the northeast and US Highway 158 to the southeast. EA personnel did not observe any water supply wells or groundwater monitoring wells on the Project. Historical information researched during this ESA indicates that the Building 1 current improvements at the Project were constructed in 1997, prior to which the Project appears to have existed as undeveloped or agricultural land since at least 1936. A Site Location Map is attached as **Figure 1** and a Site Plan is attached as **Figure 2A.**

3.2 Geologic and Hydrogeologic Setting

The geologic and hydrogeologic settings of a site are considered of interest since they may provide information related to the direction and physical mechanisms of contaminant migration, if present, from on-site and off-site sources. EA personnel have reviewed information from the following sources with regard to the geology and hydrogeology of the site and surrounding area:

- United States Geological Survey (USGS) Topographic Quadrangle Map of *Clemmons, North Carolina*, dated 1968 (Photorevised 1994) **(Figure 1)**;
- USDA *Web Soil Survey*, http://websoilsurvey.nrcs.usda.gov/app/, dated 2009;
- *Geologic Map of North Carolina*, North Carolina Geological Survey, 1985;
- *The EDR Radius Map Report*, Environmental Data Resources, Inc.; November 15, 2010 (**Appendix 1)**.

3.2.1 Geologic Setting

The Project is located in the Charlotte Belt of the Piedmont Physiographic Province of North Carolina, and is underlain primarily by metamorphosed granitic rock that is megacrystic, well-foliated and locally contains hornblende.

The general soil profile at the site consists primarily of two soil types: 1) Fairview sandy clay loam, with 2 to 8 percent slopes, moderately eroded; and 2) Tomlin clay loam, with 2 to 8 percent slopes, moderately eroded.

The Fairview sandy clay loam is a well-drained soil typically found on convex interfluves. The soil has a depth of 80 inches, a moderate permeability and a mild acidic soil reaction.

The Tomlin clay loam is a well-drained soil typically found on convex interfluves. The soil has a depth of 80 inches, a moderate permeability and a slightly acid soil reaction.

3.2.2 Surface Drainage

According to the USGS Topographic Quadrangle Map of *Clemmons, North Carolina* (**Figure 1)**, the Project is located approximately 800 feet above mean sea level (MSL). The topographic map indicates that the Project slopes generally to the west-southwest. In the absence of any other obvious significant structural or geomorphic drainage features, surface drainage is suspected to be influenced primarily by the surface topography.

3.2.3 Groundwater

Groundwater generally occurs as a result of infiltration of both meteoric and surface water through the relatively permeable overburden. Fractures, joints, bedding planes and other discontinuities in the underlying rock can affect the groundwater conditions. Site-specific groundwater flow may also be influenced by the proximity of nearby drainage features, sinkholes, creeks, swamps, and pumped groundwater wells. Groundwater levels and flow directions are typically site specific. Based on the topographic map of the Project, the general groundwater flow direction at the Project is to the west-southwest towards Smith Creek. The topography and hydrology in the site vicinity are variable and several local components of groundwater flow may exist.

4.0 USER PROVIDED INFORMATION

Pursuant to ASTM E 1527-05, EA requested the following site information from the Client. The site contact assigned by the Client was Mr. Ashby Hackney, with Hackney Real Estate Partners. Mr. Hackney informed EA personnel that Mr. Jeffrey Harrison, with J.B. Harrison Properties, LLC is the current owner and Mr. Mark Weaver, with JeffCo had the keys to the vacant tenant spaces. EA was unaccompanied during the site visit. Mr. Harrison provided some of the user provided information discussed in this report.

4.1 Title Records

No Title Records were provided to EA by the Client or the Project contact. Refer to **Section 5.3** for a discussion of deed research performed by EA personnel.

4.2 Environmental Liens or Activity and Use Limitations

No information regarding knowledge of environmental liens or activity and use limitations for the Project was provided to EA by the Client or the Project contact. In accordance with ASTM 1527-05 guidelines, this constitutes a data gap, as the User did not conduct a search for environmental liens or activity and use limitations for the Project; however, EA conducted a search for environmental liens and use limitations in conjunction with deed research. Refer to **Section 5.3** for a discussion of deed, environmental lien and use limitation research performed by EA personnel.

4.3 Specialized Knowledge

EA was not provided with any specialized knowledge of commonly known environmental conditions associated with the Project by the Client or the Project contacts.

4.4 Commonly Known or Reasonably Ascertainable Information

EA was not provided with any specialized knowledge of commonly known environmental conditions associated with the Project by the Client or the Project contacts.

4.5 Valuation Reduction for Environmental Issues

EA was not provided with any knowledge of valuation reduction for environmental issues associated with the Project by the Client. EA inquired of the Project contact regarding any knowledge of reductions in property value due to environmental issues. The Project contact was not aware of any property valuation reductions associated with the Project.

4.6 Owner, Property Manager, and Occupant Information

The current owners of record of the Project are J.B. Harrison Properties, LLC. The Project currently operates as a commercial retail shopping center. Building 1 contains the following six tenant spaces: Town & Country, Radio Shack, Jimmy the Greek Restaurant, Food Lion, ABC Store and one vacant tenant space (former K&R Cleaners Inc.). Building 2 contains the following three tenant spaces: Venezia Italian Family restaurant, King Buffet Chinese Restaurant and one vacant tenant space (former Movie Gallery).

4.7 Reason for Performing Phase I and II ESA

EA understands that the findings of this Phase I and II ESA will be used by the Client to evaluate the Project with respect to a pending financial transaction in connection with the Project. The purpose of a Phase I ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E-1527-05) in connection with the Project. This ESA was also performed to permit a user to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability. The Phase II ESA was conducted to evaluate potential concerns related to previously and currently identified potential areas of concern, the specifics of which are included in this report.

5.0 RECORDS REVIEW

5.1 Environmental Regulatory Records

EA contracted Environmental Data Resources, Inc. (EDR) to conduct a computerized regulatory database search in accordance with ASTM E 1527-05 standards. The purpose of the search is to identify certain properties and facilities in the vicinity of the Project (including the Project, as applicable) which are regulated by the United States Environmental Protection Agency (EPA) and various state and local environmental regulatory agencies. Detailed information pertaining to each database researched is presented in the EDR report, dated November 15, 2010, a copy of which is included in **Appendix 1**.

5.1.1 On-site Regulatory Issues

The Project is identified in the EDR report Orphan Summary on the Resource Conservation and Recovery Act (RCRA) database. The Project listings are summarized as follows:

- The Project's 5289 Highway 158 address (referenced as K & R Cleaners, Inc., a dry cleaning facility) is identified in the EDR report on the RCRA-NonGen database. The RCRA database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste. Information in the RCRA database indicates that the Project (EPA ID Number NC0991302781) is a non-generator (NonGen) of hazardous waste is presently a non-generator of hazardous waste but is identified as a historic Small Quantity Generator. The EDR Report revealed no documented violations or release incidents associated with the facility operations. However, dry cleaners use substantial amounts of dry-cleaning solvents, including perchloroethylene, in the dry-cleaning process. Perchloroethylene and other similar chlorinated organic dry-cleaning chemicals are classified by the U.S. EPA as hazardous substances and their use and disposal are highly regulated by federal and state laws. However, use and disposal of the chemicals were not regulated in the past, and leaks and spills of the chlorinated compounds associated with storage and disposal of chemical filters and waste solvents (into trash receptacles and septic systems), as well as discharges from leaking equipment and pipes have resulted in significant ground water contamination incidents at many properties occupied by dry-cleaning establishments. The specific chemical properties of chlorinated solvents facilitate their rapid transport through soils and their prolific migration in groundwater. The highly toxic nature of the solvents has prompted federal and state regulatory agencies to establish stringent cleanup levels for the compounds. Due to its prior operation as a dry cleaner, a potential exists that undocumented release(s) from the dry cleaning operations have impacted the environmental quality of the Project. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities. Refer to **Section 9.4** for EA's recommendations.

5.1.2 Off-site Regulatory Issues

The following sites were identified within 500 feet of the Project in the EDR Report:

- 4 Brothers Food Store 310, an active gasoline filling station located at 117 NC Highway 801 North, is identified on the registered UST database. The EDR report listed this site in the Orphan Summary. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists one 10,000-gallon gasoline and one 12,000-gallon gasoline USTs currently in operation at this site (Facility ID # 0-035925). The USTs were reportedly installed on January 20, 1999. According to the State's UST registration database, the USTs appear to have been constructed in compliance with current federal and state regulations regarding corrosion protection, spill/overfill prevention and leak detection. State regulatory files revealed no documented petroleum releases associated with the current USTs. EA personnel inquired with Ms. Linda Estkowski at the North Carolina Department of Environment and Natural Resources (NC DENR) Winston-Salem Regional Office (WSRO) regarding the site. According to Ms. Estkowski no releases are on file for the gasoline filling station. Based on its proximity to the Project, topographic relation, and the estimated groundwater flow direction; a potential exists that undocumented releases from this site may have

impacted the Project. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities. Refer to **Section 9.4** for EA's recommendations.

- Quik-Pik Food Mart III, a former gasoline filling station (currently Wendy's) located at 147 NC Highway 801 North, is identified on the registered UST database. The EDR report incorrectly identified this site as located 856 feet to the north of the Project. This site is located on the adjacent property to the east-northeast and topographically upgradient relative to the Project. The NCDENR UST registration database lists ten USTs were formerly in operation at this site (Facility ID # 0-011990). According to the report four 6,000-gallon gasoline USTs and one 550-gallon oil UST were reportedly installed on October 5, 1970 and removed on December 31, 1988. In addition, one 2,000-gallon kerosene UST, one 6,000-gallon diesel UST and three 10,000-gallon gasoline USTs were installed on September 1, 1989 and removed on October 9, 2002. No documented petroleum releases associated with the former USTs were reported. EA personnel inquired with Ms. Linda Estkowski at the North Carolina Department of Environment and Natural Resources (NC DENR) Winston-Salem Regional Office (WSRO) regarding the site. According to Ms. Estkowski no releases are on file for the gasoline filling station. Ms. Estkowski informed EA that a closure report dated September 17, 2002 was submitted to their office and the site was closed out on September 18, 2002. According to Ms. Estkowski the file for this site has been archived. No further information was provided. Based on its current regulatory status and the removal of the potential contamination source, this site is not anticipated to have impacted the Project.

- 801 Shell Service, a former gasoline filling station (currently undeveloped land) located at 136 NC Highway 801 North, is identified on the registered UST database, IMD database, LUST database and LUST TRUST database (Incident # 30557). The EDR report incorrectly identified this site as located 672 feet to the east-northeast of the Project. This site is located on the adjacent property to the east-northeast beyond NC Highway 801 approximately 70 feet and topographically upgradient relative to the Project. The NCDENR UST registration database lists seven USTs which were formerly in operation at this site (Facility ID # 0-012847). According to the report two 10,000-gallon gasoline USTs were reportedly installed on June 5, 1967 and removed on January 7, 1989; one 550-gallon oil UST was reportedly installed on May 5, 1968 and removed on January 10, 1988; and one 6,000-gallon gasoline UST was reportedly installed on May 5, 1970 and removed on January 10, 1988. In addition, one 8,000-gallon gasoline UST and two 10,000-gallon gasoline USTs were installed on September 22, 1989 and removed on August 16, 2007. A petroleum release incident reportedly occurred at the site on February 28, 2005 during a DOT investigation. Groundwater and soil contamination were reported.

  As part of EA's previous Phase I ESA dated December 29, 2009 (text portion included as **Appendix 2**), EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office. EA personnel reviewed an Initial Abatement Action Report for the site, prepared by Terraquest and dated September 26, 2008. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by General Engineering and Environmental of NC, Inc. (GEL) on February 25, 2005. The investigation was performed due to NC Department of Transportation (NCDOT) construction plans in the right of way which encroached onto the 801 Shell Service site. Information was reported to NCDENR-UST section who subsequently issued a Notice of Regulatory Requirements (NORR) directing a *Site Check* be completed to assess the petroleum

release from the UST systems. In July and August of 2005, Terraquest initiated the *Site Check* by collecting soil samples in the area of the former and current UST systems and installing three monitoring wells (MW-1 through MW-3) in the area of the current UST system and dispenser islands. The *Site Check Report* was submitted to NCDENR on August 5, 2005. The report identified several petroleum constituents at levels exceeding the NC 2L standards in MW-1 and MW-2 at the site, therefore Terraquest conducted a *Limited Site Assessment (LSA)* to determine the risk classification of the site. Three additional groundwater monitoring wells (MW-4 through MW-6) were installed at the site. The *LSA Report* was submitted to NCDENR on January 26, 2006. The report indicated the presence of one potable water supply well located approximately 360 feet from the site and identified several petroleum constituents at levels exceeding the NC 2L standards in MW-4 and MW-5 at the site, therefore NCDENR assigned the site a priority rank of high risk. The NCDOT purchased the right of way to part of the property which included the UST system, as part of the road improvement project. On August 16, 2007, GEL supervised the removal of the UST system, piping and dispensers. The UST Closure Report dated October 22, 2007 indicated the presence of petroleum constituents in excess of Soil to Groundwater MSCCs in two soil samples collected from beneath one of the dispenser islands. Terraquest supervised the excavation of contaminated soil in the vicinity of the former dispenser island on September 4, 2008 following a Notice of Violation from NCDENR dated August 1, 2008. Approximately 10.95 tons of contaminated soil was excavated and properly disposed of offsite. Confirmation soil samples from the excavation pit did not reveal petroleum constituents in excess of the state standards. The Initial Abatement Action Report concluded that the primary source of contamination at the site is believed to be the former UST system (one 8,000-gallon and two 10,000-gallon gasoline USTs). Terraquest recommended abandoning the nearby potable water supply well or connecting the property to the municipal water supply to reduce the risk ranking for the site, allowing the site to be closed using a Notice of Residual Petroleum (NRP).

EA personnel reviewed a Well Abandonment Record letter for the site, prepared by Terraquest and dated December 9, 2009. The well abandonment record was attached with the letter indicating that the well located at 136 Highway 801 North was abandoned on November 23, 2009. As part of the current Phase I ESA Update EA personnel contacted Ms. Linda Estkowski at the NC DENR WSRO regarding the site. According to Ms. Estkowski, the NCDENR issued a Notice of No Further Action (NFA) on March 1, 2010 after reviewing the Notice of Residual Petroleum (NRP), received on February 24, 2010. The review of the NRP indicated that groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination may have impacted the Project's groundwater quality. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities. Refer to **Section 9.4** for EA's recommendations.

- Mac's Foods, a former gasoline filling station (current location of 4 Brother's Food Store) located at Highway 158 / 801, is identified on the registered UST database, IMD database and LUST database (Incident # 13698). The EDR report incorrectly identified this site as located 918 feet to the east of the Project. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists three USTs were formerly in operation at this site (Facility ID # 0-011552). According to the report one 10,000-gallon and two 6,000-gallon gasoline USTs were reportedly installed on

January 8, 1973 and removed on October 19, 1994. A petroleum release incident was reported at the site on October 27, 1994 following the UST removals. Groundwater and soil contamination was reported.

As part of EA's previous Phase I ESA dated December 29, 2009 (text portion included as **Appendix 2**), EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office. EA personnel reviewed a Geophysical Survey and Preliminary Site Assessment Report for the site, prepared by General Engineering and Environmental of NC, Inc. (GEL) and dated March 28, 2005. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by Geotechnologies, Inc. in 1995. The investigation was performed due to NCDOT construction plans to reconstruct the bridge and interchange area near the intersection of Interstate 40 and NC 801 North. The NCDOT wanted to assess the property to evaluate the extent (if any) of soil and/or groundwater contamination related to the operation of the former gas station previously located onsite and the current gas station located onsite within the proposed NCDOT right-of-way, and the impact (if any) of this operation on the proposed road improvements. In 1998, SEI Environmental, Inc. performed a Phase I Limited Site Assessment (*LSA*) at the site. The results of the LSA indicated onsite soil and groundwater contamination from petroleum hydrocarbons at levels exceeding the state standards. At that time SEI indicated that the site was a high priority based on the LSA analytical results and the presence of three potable water supply wells in the area. The three water supply wells were reportedly abandoned by 2004. On February 23, 2005, GEL collected soil samples in the area of the proposed NCDOT right-of-way and the area of former USTs. GEL returned to the site on February 25, 2005 to collect groundwater samples from two existing groundwater monitoring wells and one temporary monitoring well. GEL concluded that the composite soil samples collected did not contain petroleum constituents which exceeded their respective action levels. Petroleum constituents were detected at concentrations exceeding the NCDENR 2L Groundwater Quality Standards in the groundwater samples collected. The analytical results indicate that groundwater contamination currently exists at the site, which is most likely due to a release of petroleum from the former USTs that were removed in 1994.

The NCDENR issued a Notice of No Further Action (NFA) on June 9, 2009 after reviewing the Notice of Residual Petroleum (NRP), received on June 8, 2009. The review of the NRP indicated that soil contamination at the site exceeds the residential MSCCs and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination may have impacted the Project's soil and groundwater quality. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities. Refer to **Section 9.4** for EA's recommendations.

- By-Lo #1, a former gasoline filling station (current location of Walgreen's) located at 5322 US Highway 158, is identified on the IMD database, LUST database and LUST TRUST database (Incident # 30771). The EDR report incorrectly identified this site as located 978 feet to the east of the Project. This site is located approximately 470 feet to the east and topographically upgradient relative to the Project. A petroleum release incident was reported at the site on April 11, 2006. Groundwater and soil contamination were reported.

As part of the December 29, 2009 Phase I ESA, EA personnel reviewed an *Active Remediation Monitoring Report (Post- MMPE #4)* for the site, prepared by ECS Carolinas, LLP and dated July 3, 2007. Information from this report indicates that a petroleum release was reported at this site following a Phase II ESA conducted by ECS as part of a real estate transaction. Subsequent to the findings from the Phase II ESA, ECS provided UST closure services and submitted the UST Closure Report (dated September 27, 2006) which detailed the closure by removal from the ground of three 10,000-gallon gasoline USTs, one 8,000-gallon diesel UST, one 4,000-gallon kerosene UST and one 2,000-gallon No. 2 fuel oil UST. Based on the findings of the UST Closure Report, ECS proceeded with a Phase II LSA and several mobile multi-phase extraction (MMPE) events. The field activities consisting of the fourth MMPE event followed by the collection of groundwater samples from six existing monitoring wells were performed on May 21 through June 4 and 7, 2007. Laboratory analytical results indicated that target analytes were detected in groundwater samples MW-4 and MW-5 at concentrations that exceed the NC 2L Standards and target analytes were detected in groundwater samples MW-1, MW-2, MW-3 and MW-6 at concentrations that exceed the GCLs. Based on the abandonment of four off-site water supply wells within 1,000 feet of the source area, but the groundwater contamination at the site exceeds the GCLs, ECS recommended the risk classification be lowered to intermediate. According to a letter dated August 8, 2007 NCDENR assigned the site a priority rank of intermediate risk. EA personnel inquired with Ms. Linda Estkowski at the NC DENR WSRO regarding the site.

According to Ms. Estkowski, since the site is ranked as an Intermediate risk no further work is required for the time being. Based on its distance from the Project, relative topography, the determined groundwater flow direction, and its current regulatory status, this site is not anticipated to have impacted the Project.

The EDR report did not identify any other sites within 500 feet of the Project. The remaining sites identified in the EDR report are not anticipated to have impacted the Project, based on factors such as distance, relative topography, and estimated groundwater flow direction. No other sites listed in the EDR report's Orphan Summary were identified within one half mile of the Project. No other off-site regulatory issues with the potential to impact the Project were identified.

5.2 Review of Prior Environmental Investigative Reports

EA previously conducted a *Phase I Environmental Site Assessment* for the Project dated December 29, 2009 (EA Project No. 09-8176.1). The Phase I was conducted for the entire Project, and was completed for BB&T. At the time of the assessment, the Project improvements and operations were similar to current improvements and operations. During the assessment, EA was provided with a prior environmental report for the Project, which is discussed below. EA recommended soil and/or groundwater investigation to determine whether the off-site current (4 Brothers Food Store 310) and former (801 Shell Sell Service and Mac's Foods) gasoline filling stations had impacted the Project.

Mr. Jeff Harrison, Project owner, previously provided EA (in 2009) with the following prior environmental investigative report pertaining to the Project:

- *Phase I Environmental Site Assessment* by Boyle Consulting Engineers, PLLC (BCE) dated November 1995

On November 20, 1995 BCE personnel performed a visual reconnaissance of the property. At the time of the site visit the Project was undeveloped agricultural land. No potential environmental concerns were noted regarding the Project. BCE noted in the surrounding property section that there was currently a Chevron gasoline station and a former Mac Food's gasoline filling station adjacent to the east. BCE stated that the adjacent UST basins (existing and former) are not a part of the same drainage basin as the Project and is not considered upgradient of the Project. No further investigation of the Project was recommended by BCE.

EA personnel did not receive or review any other prior environmental investigative reports. Copies of the prior reports were included in EA's December 29, 2009 Phase I ESA.

5.3 Site Historical Use Records and Sources

EA reviewed information provided by the following historical sources to evaluate past uses of the Project site and surrounding properties: historical aerial photographs, topographic maps, and property deeds. Copies of documents corresponding to the historical sources are included in **Appendix 3**.

5.3.1 Aerial Photographs

Aerial photographs for 1936, 1955, 1966 and 1981 were reviewed at the Davie County Soil and Water Conservation District (SWCD) Office in Mocksville, North Carolina. Aerial photograph dated 1998 was obtained from the Microsoft Terraserver website. Aerial photograph dated 2007 was obtained from the Davie County Geographic Information Systems (GIS) website.

Review of the 1936 aerial photograph indicated the following:

- Project: The Project is depicted as undeveloped or agricultural land.
- Off-site: The areas to the north, south and west of the Project are depicted as undeveloped or agricultural land. Limited residential or commercial development is depicted adjacent to the east. A road currently known as US Highway 158 is depicted adjacent to the southeast of the Project, beyond which is agricultural land with limited residential improvements. A road currently known as NC Highway 801 is depicted adjacent to the northeast of the Project, beyond which is agricultural land.

The 1955 aerial photograph does not appear to differ significantly from the 1936 aerial photograph.

The 1966 aerial photograph appears to differ from the 1955 aerial photograph as follows:

- Off-site: Interstate 40 is depicted adjacent to the north of the Project. Commercial properties are depicted adjacent to the northeast, east, south and beyond US Highway 158.

The 1981 aerial photograph appears to differ from the 1966 aerial photograph as follows:

- Off-site: The former 801 Shell Station building is depicted beyond NC Highway 801 to the northeast.

The 1998 aerial photograph appears to differ from the 1981 aerial photograph as follows:

- Project: The Project is depicted as developed with the current improvements consisting of one structure and surface-level parking/drive areas.
- Off-site: An undeveloped lot is depicted adjacent to the east and beyond US Highway 158 to the southeast. The current Wendy's building is depicted adjacent to the northeast.

The 2007 aerial photograph appears to differ from the 1998 aerial photograph as follows:

- Project: The Project is depicted as developed with the current improvements consisting of two structures and surface-level parking/drive areas.
- Off-site: A gasoline filling station currently known as Four Brothers BP Gasoline (117 NC Highway 801) is depicted adjacent to the east. A commercial building which currently contains Quest Coffee is depicted southeast beyond US Highway 158.

No other aerial photographs were readily ascertainable for the Project area.

5.3.2 Sanborn Maps

Sanborn Map coverage was not readily ascertainable for the Project area.

5.3.3 City Directories

City directory coverage was not readily ascertainable for the area of the Project.

5.3.4 Tax and Deed Information

Property record and appraisal information obtained from the Davie County Register of Deeds Office identified the current Project owners are listed as follows.

J.B. Harrison Properties, LLC
125 East Valley View Drive
Advance, North Carolina 27006

Title and deed information for the Project is summarized in the following tables.

Tract I (0.01 acre) and Tract II (0.02 acre):

Grantee	Grantor	Date	Book/Page
J.B. Harrison, LLC	Harrison Family Properties, LLC	10/05/1998	206/338
Harrison Family Properties, LLC	William P. Harrison & wife, Mary Ruth Harrison	01/31/1996	185/334
William P. Harrison & wife, Mary Ruth Harrison	Hope Bros. Builders, Inc.	05/09/1978	104/64

7.571 acre tract:

Grantee	Grantor	Date	Book/Page
J.B. Harrison, LLC	Jeffrey Brian Harrison & wife, Peggy C. Harrison	06/18/1996	188/55
Jeffrey Brian Harrison	W.P. Harrison & wife, Mary Ruth Harrison	05/08/1981	113/764
W.P. Harrison & wife, Mary Ruth Harrison	Thad Bingham & wife, Mary D. Bingham Max C. Bingham & wife, Ruth P. Bingham	08/09/1968	80/48

1.165 acre tract:

Grantee	Grantor	Date	Book/Page
J.B. Harrison, LLC	Jeffson, Inc.	06/18/1996	188/58
Jeffson, Inc.	William P. Harrison & wife, Mary Ruth Harrison	04/01/1969	81/195
W.P. Harrison & wife, Mary Ruth Harrison	Thad Bingham & wife, Mary D. Bingham Max C. Bingham & wife, Ruth P. Bingham	08/09/1968	80/48

No evidence of environmental liens or use limitations were identified within the deed reviewed. No environmentally suspect owners were identified during historical deed research. Copies of the property record card and deeds are included in **Appendix 4**.

5.3.5 Historical Document Summary

Data gaps were identified in the historical research for the Project. Historical information regarding the Project's use was not available between 1936 and 1955, between 1955 and 1966, between 1966 and 1981, and between 1981 and 1998. In accordance with ASTM 1527-05 guidelines, these constitute data gaps, as historical research was unavailable for more than ten year time periods. These gaps were caused by a lack of readily ascertainable historical resources. Available historical resources indicate the current improvements were constructed in 1997, prior to which the Project existed as undeveloped or agricultural land since at least 1936. Based on the undeveloped or agricultural nature of the Project from at least 1936 to 1997 and the use of the Project from 1997 to the present as a commercial retail shopping center, these data gaps are not anticipated to impact the findings of this report.

6.0 SITE AND VICINITY DESCRIPTION

6.1 Site Description/Site Reconnaissance

On November 16, 2010, EA personnel conducted a physical/visual reconnaissance of the site and surrounding area. Site photographs are included in **Appendix 5**. A Phase I Audit Environmental Screening Inspection Form was completed during the site visit and is included in **Appendix 6**.

6.1.1 Site Improvements and Current Site Uses

The Project consists of one irregular-shaped parcel of land totaling approximately 8.27 acres recorded as Parcel Identification Number 5872336902 according to the Davie County Tax Assessor's Office. The Project currently operates as a commercial retail shopping center. The Project is improved with two single-story structures consisting of concrete slab-on-grade foundations, concrete block walls with brick veneer exterior and flat roofs. Building 1 was constructed in 1997 and Building 2 was constructed in 2004. Building 1 contains approximately 59,143 square feet and contains the following six tenant spaces: Town & Country, Radio Shack, Jimmy the Greek Restaurant, Food Lion, ABC Store and one vacant tenant space (former K & R Cleaners Inc.). Building 2 contains approximately 9,775 square feet and contains the following three tenant spaces: Venezia Italian Family restaurant, King Buffet Chinese Restaurant and one vacant tenant space (former Movie Gallery). Interior finishes consist of concrete floors, vinyl tile flooring, ceramic tile flooring and carpet, painted CMU walls, painted drywall, and acoustic ceiling tiles. The remainder of the Project exists as asphalt parking/drive areas and landscaped areas. The Project is accessible via NC Highway 801 to the northeast and US Highway 158 to the southeast. EA personnel did not observe any water supply wells or groundwater monitoring wells on the Project. Historical information researched during this ESA indicates that the Building 1 current improvements at the Project were constructed in 1997, prior to which the Project appears to have existed as undeveloped or agricultural land since at least 1936. A Site Location Map is attached as **Figure 1** and a Site Plan is attached as **Figure 2A.**

6.1.2 Site Utilities

The Project is provided electricity by Duke Energy, natural gas by Piedmont Natural Gas and water and sewer services by the Davie County Utilities Department.

6.1.3 Structural Observations

6.1.3.1 Staining and Chemical Storage and Use Issues

EA noted several areas within the former dry-cleaning facility tenant space where the concrete floor slab was corroded. These areas are most likely where the former dry-cleaning equipment was stored. Dry cleaners use substantial amounts of dry-cleaning solvents, including perchloroethylene, in the dry-cleaning process. Perchloroethylene and other similar chlorinated organic dry-cleaning chemicals are classified by the U.S. EPA as hazardous substances and their use and disposal are highly regulated by federal and state laws. However, use and disposal of the chemicals were not regulated in the past, and leaks and spills of the chlorinated compounds associated with storage and disposal of chemical filters and waste solvents (into trash receptacles and septic systems), as well as discharges from leaking equipment and pipes have resulted in significant ground water contamination incidents at many properties occupied by dry-cleaning establishments. The specific chemical properties of chlorinated solvents facilitate their

rapid transport through soils and their prolific migration in groundwater. The highly toxic nature of the solvents has prompted federal and state regulatory agencies to establish stringent cleanup levels for the compounds. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities. Refer to **Section 9.4** for EA's recommendations.

EA personnel noted no other evidence of stained soil or pavement, or chemically stressed vegetation at the Project. Minor oil discharges were observed on the parking areas; however, the discharges are incidental in nature and corrective action is neither practical nor warranted.

6.1.3.2 Asbestos-Containing Building Materials Issues

As noted by the ASTM E 1527-05 Process, an asbestos-containing building materials (ACMs) survey is beyond the scope of this ESA. However, EA personnel conducted a cursory visual inspection for suspect ACMs. The basis for "suspect" determination is taken from the materials listed in the EPA publication *Managing Asbestos in Place* (the "Green Book"). All materials listed in the Green Book which were installed prior to 1981 are considered suspect, with the exception of resilient floor tile, asbestos-cement board (transite), and roofing felt, which are considered suspect regardless of installation date (these materials continue to be manufactured and installed in the United States). ACMs are considered potentially hazardous when in a friable condition (easily crumbled and rendered airborne). Local, state and federal regulations require that certain friable ACMs in commercial structures be properly removed or contained prior to renovation or demolition activities that may disturb the ACMs. Therefore, significant amounts of ACMs are a potential financial liability to property owners and lenders regarding ACM removal/abatement costs.

Considering the age of the structures (constructed in 1997 and 2004), a low potential exists that ACMs are present in the buildings' construction materials. EA noted no substantial amounts of damaged suspect friable ACMs. However, in order to confirm the presence or absence of ACMs in any structure, a formal ACM survey would be required.

6.1.3.3 Mold Growth Issues

EA personnel noted no evidence of substantial suspect mold growth, or excessive moisture conditions likely to promote mold growth, on observed surfaces in the building. In order to confirm the presence or absence of mold or excessive moisture conditions, particularly in areas which are not readily accessible or visible (i.e.; attics, ventilation systems, etc.), a formal mold and moisture inspection would be required.

6.1.3.4 Lead-based Paint Issues

As noted by the ASTM E 1527-05 Process, a lead-based paint (LBP) survey is beyond the scope of this ESA. However, EA personnel conducted a cursory visual inspection for suspect LBP. The basis for this "suspect" determination is taken from the Lead Paint Poisoning Act passed by the Congress of the United States which banned the use of lead paint starting January 1, 1978. Therefore, all paint applied prior to 1978 is considered suspect.

Considering the age of the structures (constructed in 1997 and 2004), a low potential exists that lead-based paint is present on of the buildings' painted surfaces. EA noted no areas with excessively damaged or peeling painted surfaces. However, in order to confirm the presence or absence of lead-based paint in any structure, a formal lead-based paint survey would be required.

6.1.3.5 Drains and Sumps

Floor drains are located in some of the restrooms, restaurant kitchen areas and storage room areas within the tenant spaces in the Project buildings. The floor drains reportedly discharge to the municipal sanitary sewer system.

EA personnel observed a grease trap/sump behind Jimmy the Greek Restaurant tenant space (Building 1) and a grease trap/sump behind Project Building 2 for the Venezia Italian Family Restaurant and King Buffet Chinese Restaurant tenant spaces. The traps/sumps are reportedly used to collect food grease from the dish washing operations prior to discharging to the municipal sanitary sewer system. The traps/sumps are not anticipated to have impacted the environmental quality of the Project.

EA personnel noted no evidence of any other drains or sumps on the Project.

6.1.4 Exterior Observations

6.1.4.1 Pits, Ponds, or Lagoons

EA personnel noted no evidence of industrial pits, ponds, or lagoons in association with the Project.

6.1.4.2 Stained Soil or Pavement/Stressed Vegetation

EA personnel noted no evidence of stained soil or pavement, or chemically stressed vegetation at the Project. Minor oil discharges were observed on the parking areas; however, the discharges are incidental in nature and corrective action is neither practical nor warranted.

6.1.4.3 Solid Waste

EA personnel noted no evidence of any substantial amounts of solid waste located at the Project. EA noted non-hazardous solid waste stored in six dumpsters and non-hazardous food grease stored in three bins located at the rear of the Project buildings.

6.1.4.4 Waste Water

The Project does not discharge waste water, other than sanitary sewage to the city sewer system.

6.1.4.5 Wells

EA noted no evidence of any on-site water supply wells or groundwater monitoring wells on the Project.

6.1.4.6 Septic Systems

EA personnel noted no evidence of any on-site septic systems and none were reported to be in operation at the Project.

6.1.4.7 Storage Tanks

EA personnel noted no evidence of the past or present existence any aboveground or underground storage tanks at the Project.

6.1.4.8 PCB Issues

Older transformers and other electrical equipment could contain polychlorinated biphenyls (PCBs) at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. At the time of the inspection, EA observed three pad-mounted transformers on the western portion of the Project and four pole-mounted transformers along the southern Project boundary. The transformers are labeled as owned and operated by Duke Energy and appeared to be in good condition. In addition the Food Lion tenant space maintains and operates one cardboard compactor in the shipping and receiving area. No indication of staining, leaks or fire damage was observed on or around the units. No other potential PCB-containing equipment was observed on the Project.

6.1.4.9 Radon Issues

According to the attached EDR report, the Project is located in an area designated as Zone 3, characterized by indoor average radon levels less than 2 pCi/L. EPA Zone 3 radon levels are expected to pose a low health risk to building occupants; however, the levels of radon in air can be variable over a region and in order to confirm accurate levels in building a formal radon screening would be required.

6.1.4.10 Lead in Drinking Water

The Project is provided municipal water service for potable water purposes, and lead is not a suspected concern from the municipal water supply.

6.1.4.11 Wetlands Issues

According to the EDR report (**Appendix 1**), the Project is not located in a designated federal wetlands area. However, in order to confirm the boundaries and extent of wetlands on any property, a formal wetlands survey would be required.

6.1.4.12Erosion/Stormwater Compliance Issues

EA personnel noted no areas of the Project which appear to be out of compliance with present federal or state erosion control or stormwater laws and regulations.

6.2 Surrounding Land Use

In some situations, past and current uses of surrounding properties may pose a potential environmental concern to a subject site. EA personnel visually inspected, to the extent practical, surrounding properties for current site uses and evidence of past site uses. EA personnel also utilized readily available historical sources such as aerial photographs and interviews to evaluate past uses of nearby properties.

6.2.1 North

The Project is fronted to the north by Interstate 40, beyond which are commercial properties. These areas were observed to be topographically cross gradient relative to the Project. Historical aerial photographs revealed that prior to construction of the current improvements in the 1960s; this area existed as agricultural land since at least 1936.

6.2.2 East

The Project is fronted to the east by Wendy's (former Quik-Pik Food Mart III), 4 Brother's BP Gasoline Station (former Mac Food's) and McDonald's (117 NC Highway 801 N), NC Highway 801 N, beyond which is the former Shell Service Station (136 NC Highway 801 N). These areas were observed to be topographically upgradient relative to the Project. Historical aerial photographs revealed that prior to construction of the current improvements in 1960's and 1990's; these areas existed as undeveloped or agricultural land with limited residential and commercial development since at least 1936. The former Quik-Pik Food Mart III, Four Brother's BP Gasoline Station, former Mac Food's and 801 Shell Service Station are located on the adjacent properties to the east and are detailed in **Section 5.1.2**.

6.2.3 South

The Project is fronted to the south by JeffCo (salon equipment manufacturer), US Highway 158, beyond which is Bojangles, Quest Coffee and BB&T. These properties were observed to be topographically cross-gradient relative to the Project. Historical aerial photographs revealed that prior to construction of the current improvements in the 1960's; this area existed as undeveloped or agricultural land with limited residential since at least 1936.

6.2.4 West

The Project is fronted to the west by undeveloped and wooded land. This area was observed to be topographically downgradient relative to the Project. Historical aerial photographs and tax records revealed no development of this area since at least 1936.

None of the remaining adjacent or nearby properties, aside from those noted above and detailed in **Section 5.1.2**, appear to pose a significant environmental risk to the Project.

7.0 INTERVIEWS

7.1 Interviews with Project Owner/Operators/Site Manager

The site contact assigned by the Client was Mr. Ashby Hackney, with Hackney Real Estate Partners. Mr. Hackney informed EA personnel that Mr. Jeffrey Harrison, with J.B. Harrison Properties, LLC is the current owner and Mr. Mark Weaver, with JeffCo had the keys to the vacant tenant spaces. EA was unaccompanied during the site assessment. Mr. Harrison was provided an updated environmental questionnaire. A completed questionnaire has not been received at the time of this report; a copy of the questionnaire submitted is included in **Appendix 7**.

7.2 Interviews with Local Government Officials

EA inquired with NCDENR personnel regarding the former off-site 801 Shell Service Station and the current 4 Brother's Food Store 310 gasoline filling station. Refer to **Section 5.1.2** for a discussion of NCDENR personnel interviews.

EA contacted Mr. Adam Howard with the Smith Grove Fire Department regarding any spills, leaks, or other environmental responses to the Project. According to Mr. Howard, the fire department has not had any environmental related calls out to the Project since it was constructed.

Records of Communication are included in **Appendix 8**.

8.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT

In order to determine the current impact to the Project from the former active on-site dry-cleaning facility and potential release from adjacent and upgradient current and former filling stations, EA completed a Phase II Environmental Site Assessment (ESA). Specifically, the purpose of the Phase II ESA was to evaluate soil and/or groundwater at the Project from the identified areas of potential concern.

8.1 Subsurface Utility Locating

EA personnel contacted the North Carolina One Call Center and requested that the local utility services conduct an Electromagnetic (EM) Survey in the area of concern at the Project to determine the orientation and location of underground utility lines for optimal sampling locations. At the time of the assessment, all underground utility lines appeared to be marked up to the Project boundaries. However, public utilities are not authorized to locate underground lines on private property.

On November 15, 2010, EA subcontracted Probe Utility Locating, LLC to locate underground utility lines at the Project utilizing a RD-4000 utility locator. All items were marked directly on the surface with paint. Gas was marked in yellow, electric in red, water in blue and unknown in white.

8.2 Soil Assessment

On November 16, 2010, EA and its subcontractor utilized a Geoprobe sampling device to advance soil sample points in 4 locations (S-1, S-2, S-3 and S-4) of the Project in the vicinity of and below the former dry-cleaning tenant space. A total of 4 soil samples (S-1-16, S-2-16, S-3-4 and S-4-3) were collected

from the 4 soil sample point locations depicted on the attached **Figure 2B.**

Soil boring S-1 was advanced near the front (east elevation) of the former dry-cleaning tenant space along the northern portion of the Project to a depth of 16 feet below grade (BG). Soils encountered consisted of reddish-brown and tan micaceous silt at depths of 0-12 feet BG and orange-cream silt at depths of 12-16 feet BG. One soil sample (S-1-16) was collected at 16 feet BG.

Soil boring S-2 was advanced adjacent to the exterior side wall (North elevation of Building 1) of the former dry-cleaning tenant space, located on the northern portion of the Project, to a depth of 16 feet below grade (BG). Soils encountered consisted of dark reddish-brown stiff clay and silt at depths of 0-12 feet BG and orange-tan silt at depths of 12-16 feet BG. One soil sample (S-2-16) was collected at 16 feet BG.

Soil boring S-3 was advanced adjacent to the rear (west elevation) of the former dry-cleaning tenant space along the northern portion of the Project to a depth of 4 feet below grade (BG). Soils encountered consisted of dark reddish-brown stiff clay and silt at depths of 0-4 feet BG. One soil sample (S-3-4) was collected at 4 feet BG.

Soil boring S-4 was advanced inside the former dry-cleaning facility tenant space through the concrete floor slab, near the southern sidewall, to a depth of 4 feet below grade (BG). This area is where dry cleaning equipment was reportedly used and where corroded concrete is evident. Soils encountered consisted of dark brown silty clay at depths of 0-4 feet BG. One soil sample (S-4-3) was collected at 3 feet BG.

The soil samples were placed into appropriate sample containers and labeled with the project name, time and date of collection, and analysis to be performed. The filled sample containers were placed in a cooler containing ice and transported to PACE Analytical in Huntersville, North Carolina (a North Carolina-certified laboratory). A chain-of-custody form was maintained with the samples. All soil samples were submitted and analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 and Polynuclear Aromatic Hydrocarbons (PAH) by EPA Method 8270. A copy of the laboratory analytical report is attached as **Appendix 9**. The laboratory results are discussed in **Section 8.4** of this report.

8.3 Groundwater Assessment

On November 16, 2010, EA used the Geoprobe to advance five (5) groundwater sample points to the water table in order to collect groundwater samples in the locations of the Project depicted on the attached **Figure 2B.** At each sample point location, a stainless steel sampling rod was advanced to a depth below the groundwater table or until probe refusal conditions were encountered. At the end of the sampling rod, a four (4) foot slotted stainless steel screen was exposed to groundwater. Each sample point was purged of at least three (3) rod volumes and a groundwater sample was then collected for laboratory analyses.

Two of the groundwater sample points were located near Project boundaries closest to the off-site current and/or former filling stations located upgradient of the Project. Sample location WS-1 was extended to a depth of 35 feet BG to collect groundwater sample WS-1 near the eastern Project boundary and current 4 Brothers Food Store 310/BP station. Sample location WS-2 was extended to a depth of 35 feet BG to collect groundwater sample WS-2 near the northeastern Project boundary and current Wendy's (former Quik-Pik Food Mart III).

Three of the groundwater sample points were located in the vicinity of and below the former dry-cleaning tenant space of the Project. Original soil sample point S-1-16 was extended to a depth of 35 feet to collect groundwater sample WS-3. Soil sample point S-3-4 was extended to a depth of 35 feet to collect groundwater sample WS-4. Soil sample point S-4-3 (advanced inside the former dry-cleaning facility tenant space with the Geoprobe) was extended to a depth of 35 feet to collect groundwater sample WS-5.

The groundwater samples were placed into appropriate sample containers and labeled with the project name, time and date of collection, and analysis to be performed. The filled sample containers were placed in a cooler containing ice and transported to PACE Analytical in Huntersville, North Carolina (a North Carolina-certified laboratory). A chain-of-custody form was maintained with the samples. The groundwater sample was submitted and analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 and Polynuclear Aromatic Hydrocarbons (PAH) by EPA Method 8270. A copy of the laboratory analytical report is attached as **Appendix 9**. The laboratory results are discussed in **Section 8.4** of this report.

8.4 Phase II ESA Findings and Conclusions

A copy of the laboratory analytical report is attached as **Appendix 9.** A summary of the soil sampling results is presented in **Table 1** and a summary of the groundwater sampling results is presented in **Table 2**.

In Summary, one (1) of the soil samples (S-4-3) and two (2) of the groundwater samples (WS-1 and WS-5) revealed detectable concentrations of target analytes.

No target analytes were detected in soil samples S-1-16, S-2-16 and S-3-4 or in groundwater samples WS-2, WS-3 and WS-4.

Laboratory analysis of soil sample S-4-3 (below concrete slab of former dry-cleaning tenant space) revealed a Tetrachloroethene concentration of 0.0963 milligrams per kilogram (mg/kg), exceeding the soil-to-groundwater MSCC of 0.0074 mg/kg for Tetrachloroethene and the Inactive Hazardous Sites Branch (IHSB) Soil Remediation Goals (SRG) of 0.005 mg/kg for Tetrachloroethene. Acetone was also detected in S-4-3 at a concentration of 0.105 mg/kg, which is below the state standards.

Laboratory analysis of groundwater sample WS-1 (near 4 Brothers Food Store 310) revealed a Benzene concentration of 9.5 micrograms per liter (ug/L), exceeding the NCAC 2L Groundwater Standard of 1 ug/L for Benzene. Methyl tert-Butyl Ether (MTBE) was also detected in WS-1 at a concentration of 1,420 ug/L, exceeding the NCAC 2L Groundwater Standard of 20 ug/L for MTBE. In addition, tert-Butyl Alcohol was detected at 1,660 ug/L and Diisopropyl Ether (DIPE) was detected at 12.6 ug/L, which is below the 2L Standard of 70 ug/L for DIPE. Currently there is not a 2L Standard established for tert-Butyl Alcohol.

Laboratory analysis of groundwater sample WS-5(below concrete slab of former dry-cleaning tenant space) revealed a Tetrachloroethene concentration of 21.2 ug/L, exceeding its respective 2L Standard of 0.7 ug/L. No other target analytes were detected in groundwater sample WS-5.

Refer to **Section 9.4** for EA's recommendations.

9.0 FINDINGS AND CONCLUSIONS

9.1 Findings

9.1.1 On-site Environmental Conditions

The following on-site environmental conditions were identified during the course of this ESA:

- The Project's 5289 Highway 158 address (referenced as K & R Cleaners, Inc., a dry cleaning facility) is identified in the EDR report on the RCRA-NonGen database. The RCRA database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste. Information in the RCRA database indicates that the Project (EPA ID Number NC0991302781) is a non-generator (NonGen) of hazardous waste is presently a non-generator of hazardous waste but is identified as a historic Small Quantity Generator. The EDR Report revealed no documented violations or release incidents associated with the facility operations. However, dry cleaners use substantial amounts of dry-cleaning solvents, including perchloroethylene, in the dry-cleaning process. Perchloroethylene and other similar chlorinated organic dry-cleaning chemicals are classified by the U.S. EPA as hazardous substances and their use and disposal are highly regulated by federal and state laws. However, use and disposal of the chemicals were not regulated in the past, and leaks and spills of the chlorinated compounds associated with storage and disposal of chemical filters and waste solvents (into trash receptacles and septic systems), as well as discharges from leaking equipment and pipes have resulted in significant ground water contamination incidents at many properties occupied by dry-cleaning establishments. The specific chemical properties of chlorinated solvents facilitate their rapid transport through soils and their prolific migration in groundwater. The highly toxic nature of the solvents has prompted federal and state regulatory agencies to establish stringent cleanup levels for the compounds. Due to its prior operation as a dry cleaner, a potential exists that undocumented release(s) from the dry cleaning operations have impacted the environmental quality of the Project.

  On November 16, 2010, as part of Phase II Environmental Site Assessment activities, EA and its subcontractor utilized a Geoprobe sampling device to advance 4 soil samples (S-1-16, S-2-16, S-3-4 and S-4-3) and 3 groundwater samples (WS-3, WS-4 and WS-5) in the vicinity of and below the former dry-cleaning tenant space. All of the samples were submitted for Volatile Organic Compounds by EPA Method 8260B and PAH by EPA Method 8270C. Laboratory analysis of soil sample S-4-3 revealed a Tetrachloroethene concentration of 0.0963 mg/kg, exceeding the soil-to-groundwater MSCC of 0.0074 mg/kg for Tetrachloroethene and the Inactive Hazardous Sites Branch (IHSB) Soil Remediation Goals (SRG) of 0.005 mg/kg for Tetrachloroethene. Groundwater sample WS-5, collected from boring S-4 located within the dry-cleaning tenant space, also revealed a Tetrachloroethene concentration of 21.2 ug/L, exceeding its respective 2L Standard of 0.7 ug/L. The assessment and remediation of solvent contamination is a state-regulated activity that is often expensive and time-consuming. Additionally, the presence of contamination may adversely-affect the "financeability" and "marketability" of the Project.

9.1.2 Off-site Environmental Conditions

The following off-site environmental conditions were identified during the course of this ESA:

- 4 Brothers Food Store 310, an active gasoline filling station located at 117 NC Highway 801 North, is identified on the registered UST database. The EDR report listed this site in the Orphan Summary. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists one 10,000-gallon gasoline and one 12,000-gallon gasoline USTs currently in operation at this site (Facility ID # 0-035925). The USTs were reportedly installed on January 20, 1999. According to the State's UST registration database, the USTs appear to have been constructed in compliance with current federal and state regulations regarding corrosion protection, spill/overfill prevention and leak detection. State regulatory files revealed no documented petroleum releases associated with the current USTs. EA personnel inquired with Ms. Linda Estkowski at the North Carolina Department of Environment and Natural Resources (NC DENR) Winston-Salem Regional Office (WSRO) regarding the site. According to Ms. Estkowski no releases are on file for the gasoline filling station. Based on its proximity to the Project, topographic relation, and the estimated groundwater flow direction; a potential exists that undocumented releases from this site have impacted the Project.

  On November 16, 2010, as part of the Phase II Environmental Site Assessment activities, EA and its subcontractor utilized a Geoprobe sampling device to advance 2 groundwater samples (WS-1 and WS-2) along the east and northeastern property boundaries closest to the off-site concerns. The groundwater samples were submitted for Volatile Organic Compounds by EPA Method 8260B and PAH by EPA Method 8270C. Laboratory analysis of groundwater sample WS-1 revealed a Benzene concentration of 9.5 micrograms per liter (ug/L), exceeding the NCAC 2L Groundwater Standard of 1 ug/L for Benzene. Methyl tert-Butyl Ether (MTBE) was also detected in WS-1 at a concentration of 1,420 ug/L, exceeding the NCAC 2L Groundwater Standard of 20 ug/L for MTBE. In addition, tert-Butyl Alcohol was detected at 1,660 ug/L and Diisopropyl Ether (DIPE) was detected at 12.6 ug/L, which is below the 2L Standard of 70 ug/L for DIPE. Currently there is not a 2L Standard established for tert-Butyl Alcohol. No target analytes were detected in groundwater sample WS-2. The assessment and remediation of petroleum contamination is a state-regulated activity that is often expensive and time-consuming. Additionally, the presence of contamination may adversely-affect the "financeability" and "marketability" of the Project.

- 801 Shell Service, a former gasoline filling station (currently undeveloped land) located at 136 NC Highway 801 North, is identified on the registered UST database, IMD database, LUST database and LUST TRUST database (Incident # 30557). The EDR report incorrectly identified this site as located 672 feet to the east-northeast of the Project. This site is located on the adjacent property to the east-northeast beyond NC Highway 801 approximately 70 feet and topographically upgradient relative to the Project. The NCDENR UST registration database lists seven USTs which were formerly in operation at this site (Facility ID # 0-012847). According to the report two 10,000-gallon gasoline USTs were reportedly installed on June 5, 1967 and removed on January 7, 1989; one 550-gallon oil UST was reportedly installed on May 5, 1968 and removed on January 10, 1988; and one 6,000-gallon gasoline UST was reportedly installed on May 5, 1970 and removed on January 10, 1988. In addition, one 8,000-gallon gasoline UST and two 10,000-gallon gasoline USTs were installed on September 22, 1989 and removed on

August 16, 2007. A petroleum release incident reportedly occurred at the site on February 28, 2005 during a DOT investigation. Groundwater and soil contamination were reported.

As part of EA's previous Phase I ESA dated December 29, 2009 (text portion included as **Appendix 2**), EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office. EA personnel reviewed an Initial Abatement Action Report for the site, prepared by Terraquest and dated September 26, 2008. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by General Engineering and Environmental of NC, Inc. (GEL) on February 25, 2005. The investigation was performed due to NC Department of Transportation (NCDOT) construction plans in the right of way which encroached onto the 801 Shell Service site. Information was reported to NCDENR-UST section who subsequently issued a Notice of Regulatory Requirements (NORR) directing a *Site Check* be completed to assess the petroleum release from the UST systems. In July and August of 2005, Terraquest initiated the *Site Check* by collecting soil samples in the area of the former and current UST systems and installing three monitoring wells (MW-1 through MW-3) in the area of the current UST system and dispenser islands. The *Site Check Report* was submitted to NCDENR on August 5, 2005. The report identified several petroleum constituents at levels exceeding the NC 2L standards in MW-1 and MW-2 at the site, therefore Terraquest conducted a *Limited Site Assessment (LSA)* to determine the risk classification of the site. Three additional groundwater monitoring wells (MW-4 through MW-6) were installed at the site. The *LSA Report* was submitted to NCDENR on January 26, 2006. The report indicated the presence of one potable water supply well located approximately 360 feet from the site and identified several petroleum constituents at levels exceeding the NC 2L standards in MW-4 and MW-5 at the site, therefore NCDENR assigned the site a priority rank of high risk. The NCDOT purchased the right of way to part of the property which included the UST system, as part of the road improvement project. On August 16, 2007, GEL supervised the removal of the UST system, piping and dispensers. The UST Closure Report dated October 22, 2007 indicated the presence of petroleum constituents in excess of Soil to Groundwater MSCCs in two soil samples collected from beneath one of the dispenser islands. Terraquest supervised the excavation of contaminated soil in the vicinity of the former dispenser island on September 4, 2008 following a Notice of Violation from NCDENR dated August 1, 2008. Approximately 10.95 tons of contaminated soil was excavated and properly disposed of offsite. Confirmation soil samples from the excavation pit did not reveal petroleum constituents in excess of the state standards. The Initial Abatement Action Report concluded that the primary source of contamination at the site is believed to be the former UST system (one 8,000-gallon and two 10,000-gallon gasoline USTs). Terraquest recommended abandoning the nearby potable water supply well or connecting the property to the municipal water supply to reduce the risk ranking for the site, allowing the site to be closed using a Notice of Residual Petroleum (NRP).

EA personnel reviewed a Well Abandonment Record letter for the site, prepared by Terraquest and dated December 9, 2009. The well abandonment record was attached with the letter indicating that the well located at 136 Highway 801 North was abandoned on November 23, 2009. As part of the current Phase I ESA Update EA personnel contacted Ms. Linda Estkowski at the NC DENR WSRO regarding the site. According to Ms. Estkowski, the NCDENR issued a Notice of No Further Action (NFA) on March 1, 2010 after reviewing the Notice of Residual Petroleum (NRP), received on February 24, 2010. The review of the NRP indicated that groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L

groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination have impacted the Project's groundwater quality. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities. Refer to **Section 9.4** for EA's recommendations.

- Mac's Foods, a former gasoline filling station (current location of 4 Brother's Food Store 310) located at Highway 158 / 801, is identified on the registered UST database, IMD database and LUST database (Incident # 13698). The EDR report incorrectly identified this site as located 918 feet to the east of the Project. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists three USTs were formerly in operation at this site (Facility ID # 0-011552). According to the report one 10,000-gallon and two 6,000-gallon gasoline USTs were reportedly installed on January 8, 1973 and removed on October 19, 1994. A petroleum release incident was reported at the site on October 27, 1994 following the UST removals. Groundwater and soil contamination was reported.

  As part of the original Phase I ESA (dated December 29, 2009) EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office. EA personnel reviewed a Geophysical Survey and Preliminary Site Assessment Report for the site, prepared by General Engineering and Environmental of NC, Inc. (GEL) and dated March 28, 2005. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by Geotechnologies, Inc. in 1995. The investigation was performed due to NCDOT construction plans to reconstruct the bridge and interchange area near the intersection of Interstate 40 and NC 801 North. The NCDOT wanted to assess the property to evaluate the extent (if any) of soil and/or groundwater contamination related to the operation of the former gas station previously located onsite and the current gas station located onsite within the proposed NCDOT right-of-way, and the impact (if any) of this operation on the proposed road improvements. In 1998, SEI Environmental, Inc. performed a Phase I Limited Site Assessment (*LSA*) at the site. The results of the LSA indicated onsite soil and groundwater contamination from petroleum hydrocarbons at levels exceeding the state standards. At that time SEI indicated that the site was a high priority based on the LSA analytical results and the presence of three potable water supply wells in the area. The three water supply wells were reportedly abandoned by 2004. On February 23, 2005, GEL collected soil samples in the area of the proposed NCDOT right-of-way and the area of former USTs. GEL returned to the site on February 25, 2005 to collect groundwater samples from two existing groundwater monitoring wells and one temporary monitoring well. GEL concluded that the composite soil samples collected did not contain petroleum constituents which exceeded their respective action levels. Petroleum constituents were detected at concentrations exceeding the NCDENR 2L Groundwater Quality Standards in the groundwater samples collected. The analytical results indicate that groundwater contamination currently exists at the site, which is most likely due to a release of petroleum from the former USTs that were removed in 1994.

  The NCDENR issued a Notice of No Further Action (NFA) on June 9, 2009 after reviewing the Notice of Residual Petroleum (NRP), received on June 8, 2009. The review of the NRP indicated that soil contamination at the site exceeds the residential MSCCs and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality

standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination have impacted the Project's soil and groundwater quality. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities.

9.1.3 Previously Resolved Environmental Conditions

No previously resolved environmental conditions were identified during the course of this ESA.

9.1.4 *De minimis* Environmental Conditions

No *de minimis* environmental conditions were identified in connection with the Project during the course of this ESA.

9.2 Opinion

The issues summarized in **Sections 9.1.1 and 9.1.2** are sources of petroleum and/or chemical contamination to soil and/or groundwater at the Project and to nearby off-site properties. The purpose of the Phase I and II ESA was to provide a general screening of soil and groundwater conditions at the Project with regard to potential contamination from the former on-site dry-cleaning facility and off-site current and former petroleum filling stations. The presence of the solvent compounds in the soil and groundwater at the Project appears to be a result of past dry-cleaning activities at the Project. The presence of petroleum compounds in groundwater sample WS-1 at the Project appears to be a result of an unidentified release associated with the adjacent 4 Brother's Food Store UST system, considering the proximity of our sample point and the off-site UST basin. The assessment and remediation of contamination are state-regulated activities that are often expensive and time-consuming. Additionally, the presence of contamination may adversely-affect the "financeability" and "marketability" of the Project. In the professional opinion of the undersigned, a potential exists for the presence of contamination at the Project, and the potential risk exposure for a new property buyer or lender warrants additional inquiry (e.g.; soil and/or groundwater sampling) for the Project. Refer to **Section 9.4** for EA's recommendations.

9.3 Conclusions

EA has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the Tanglewood Crossing property (the "Project") located primarily at 5273 Highway 158 in Advance, Davie County, North Carolina. Any exceptions to, or deletions from, this practice are described in **Section 2.1** of this report. EA also conducted a Phase II ESA in conformance with the scope and limitations of ASTM Practice E 1903-97 (Reapproved 2002) to evaluate potential concerns related to currently identified potential areas of concern, the specifics of which are included in this report. **This assessment has revealed no evidence of recognized environmental conditions in connection with the Project, except for the following**:

- The Project's 5289 Highway 158 address (referenced as K & R Cleaners, Inc., a dry cleaning facility) is identified in the EDR report on the RCRA-NonGen database. The RCRA database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste. Information in the RCRA database indicates that the Project (EPA ID Number

NC0991302781) is a non-generator (NonGen) of hazardous waste is presently a non-generator of hazardous waste but is identified as a historic Small Quantity Generator. The EDR Report revealed no documented violations or release incidents associated with the facility operations. However, dry cleaners use substantial amounts of dry-cleaning solvents, including perchloroethylene, in the dry-cleaning process. Perchloroethylene and other similar chlorinated organic dry-cleaning chemicals are classified by the U.S. EPA as hazardous substances and their use and disposal are highly regulated by federal and state laws. However, use and disposal of the chemicals were not regulated in the past, and leaks and spills of the chlorinated compounds associated with storage and disposal of chemical filters and waste solvents (into trash receptacles and septic systems), as well as discharges from leaking equipment and pipes have resulted in significant ground water contamination incidents at many properties occupied by dry-cleaning establishments. The specific chemical properties of chlorinated solvents facilitate their rapid transport through soils and their prolific migration in groundwater. The highly toxic nature of the solvents has prompted federal and state regulatory agencies to establish stringent cleanup levels for the compounds. Due to its prior operation as a dry cleaner, a potential exists that undocumented release(s) from the dry cleaning operations have impacted the environmental quality of the Project.

On November 16, 2010, as part of Phase II Environmental Site Assessment activities, EA and its subcontractor utilized a Geoprobe sampling device to advance 4 soil samples (S-1-16, S-2-16, S-3-4 and S-4-3) and 3 groundwater samples (WS-3, WS-4 and WS-5) in the vicinity of and below the former dry-cleaning tenant space. All of the samples were submitted for Volatile Organic Compounds by EPA Method 8260B and PAH by EPA Method 8270C. Laboratory analysis of soil sample S-4-3 revealed a Tetrachloroethene concentration of 0.0963 mg/kg, exceeding the soil-to-groundwater MSCC of 0.0074 mg/kg for Tetrachloroethene and the Inactive Hazardous Sites Branch (IHSB) Soil Remediation Goals (SRG) of 0.005 mg/kg for Tetrachloroethene. Groundwater sample WS-5, collected from boring S-4 located within the dry-cleaning tenant space, also revealed a Tetrachloroethene concentration of 21.2 ug/L, exceeding its respective 2L Standard of 0.7 ug/L. The assessment and remediation of solvent contamination is a state-regulated activity that is often expensive and time-consuming. Additionally, the presence of contamination may adversely-affect the “financeability” and “marketability” of the Project.

- 4 Brothers Food Store 310, an active gasoline filling station located at 117 NC Highway 801 North, is identified on the registered UST database. The EDR report listed this site in the Orphan Summary. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists one 10,000-gallon gasoline and one 12,000-gallon gasoline USTs currently in operation at this site (Facility ID # 0-035925). The USTs were reportedly installed on January 20, 1999. According to the State’s UST registration database, the USTs appear to have been constructed in compliance with current federal and state regulations regarding corrosion protection, spill/overfill prevention and leak detection. State regulatory files revealed no documented petroleum releases associated with the current USTs. EA personnel inquired with Ms. Linda Estkowski at the North Carolina Department of Environment and Natural Resources (NC DENR) Winston-Salem Regional Office (WSRO) regarding the site. According to Ms. Estkowski no releases are on file for the gasoline filling station. Based on its proximity to the Project, topographic relation, and the estimated groundwater flow direction; a potential exists that undocumented releases from this site have impacted the Project.

On November 16, 2010, as part of the Phase II Environmental Site Assessment activities, EA and its subcontractor utilized a Geoprobe sampling device to advance 2 groundwater samples (WS-1 and WS-2) along the east and northeastern property boundaries closest to the off-site concerns. The groundwater samples were submitted for Volatile Organic Compounds by EPA Method 8260B and PAH by EPA Method 8270C. Laboratory analysis of groundwater sample WS-1 revealed a Benzene concentration of 9.5 micrograms per liter (ug/L), exceeding the NCAC 2L Groundwater Standard of 1 ug/L for Benzene. Methyl tert-Butyl Ether (MTBE) was also detected in WS-1 at a concentration of 1,420 ug/L, exceeding the NCAC 2L Groundwater Standard of 20 ug/L for MTBE. In addition, tert-Butyl Alcohol was detected at 1,660 ug/L and Diisopropyl Ether (DIPE) was detected at 12.6 ug/L, which is below the 2L Standard of 70 ug/L for DIPE. Currently there is not a 2L Standard established for tert-Butyl Alcohol. No target analytes were detected in groundwater sample WS-2. The assessment and remediation of petroleum contamination is a state-regulated activity that is often expensive and time-consuming. Additionally, the presence of contamination may adversely-affect the "financeability" and "marketability" of the Project.

- 801 Shell Service, a former gasoline filling station (currently undeveloped land) located at 136 NC Highway 801 North, is identified on the registered UST database, IMD database, LUST database and LUST TRUST database (Incident # 30557). The EDR report incorrectly identified this site as located 672 feet to the east-northeast of the Project. This site is located on the adjacent property to the east-northeast beyond NC Highway 801 approximately 70 feet and topographically upgradient relative to the Project. The NCDENR UST registration database lists seven USTs which were formerly in operation at this site (Facility ID # 0-012847). According to the report two 10,000-gallon gasoline USTs were reportedly installed on June 5, 1967 and removed on January 7, 1989; one 550-gallon oil UST was reportedly installed on May 5, 1968 and removed on January 10, 1988; and one 6,000-gallon gasoline UST was reportedly installed on May 5, 1970 and removed on January 10, 1988. In addition, one 8,000-gallon gasoline UST and two 10,000-gallon gasoline USTs were installed on September 22, 1989 and removed on August 16, 2007. A petroleum release incident reportedly occurred at the site on February 28, 2005 during a DOT investigation. Groundwater and soil contamination were reported.

  As part of EA's previous Phase I ESA dated December 29, 2009, (text portion included as **Appendix 2**) EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office. EA personnel reviewed an Initial Abatement Action Report for the site, prepared by Terraquest and dated September 26, 2008. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by General Engineering and Environmental of NC, Inc. (GEL) on February 25, 2005. The investigation was performed due to NC Department of Transportation (NCDOT) construction plans in the right of way which encroached onto the 801 Shell Service site. Information was reported to NCDENR-UST section who subsequently issued a Notice of Regulatory Requirements (NORR) directing a *Site Check* be completed to assess the petroleum release from the UST systems. In July and August of 2005, Terraquest initiated the *Site Check* by collecting soil samples in the area of the former and current UST systems and installing three monitoring wells (MW-1 through MW-3) in the area of the current UST system and dispenser islands. The *Site Check Report* was submitted to NCDENR on August 5, 2005. The report identified several petroleum constituents at levels exceeding the NC 2L standards in MW-1 and

MW-2 at the site, therefore Terraquest conducted a *Limited Site Assessment (LSA)* to determine the risk classification of the site. Three additional groundwater monitoring wells (MW-4 through MW-6) were installed at the site. The *LSA Report* was submitted to NCDENR on January 26, 2006. The report indicated the presence of one potable water supply well located approximately 360 feet from the site and identified several petroleum constituents at levels exceeding the NC 2L standards in MW-4 and MW-5 at the site, therefore NCDENR assigned the site a priority rank of high risk. The NCDOT purchased the right of way to part of the property which included the UST system, as part of the road improvement project. On August 16, 2007, GEL supervised the removal of the UST system, piping and dispensers. The UST Closure Report dated October 22, 2007 indicated the presence of petroleum constituents in excess of Soil to Groundwater MSCCs in two soil samples collected from beneath one of the dispenser islands. Terraquest supervised the excavation of contaminated soil in the vicinity of the former dispenser island on September 4, 2008 following a Notice of Violation from NCDENR dated August 1, 2008. Approximately 10.95 tons of contaminated soil was excavated and properly disposed of offsite. Confirmation soil samples from the excavation pit did not reveal petroleum constituents in excess of the state standards. The Initial Abatement Action Report concluded that the primary source of contamination at the site is believed to be the former UST system (one 8,000-gallon and two 10,000-gallon gasoline USTs). Terraquest recommended abandoning the nearby potable water supply well or connecting the property to the municipal water supply to reduce the risk ranking for the site, allowing the site to be closed using a Notice of Residual Petroleum (NRP).

EA personnel reviewed a Well Abandonment Record letter for the site, prepared by Terraquest and dated December 9, 2009. The well abandonment record was attached with the letter indicating that the well located at 136 Highway 801 North was abandoned on November 23, 2009. As part of the current Phase I ESA Update EA personnel contacted Ms. Linda Estkowski at the NC DENR WSRO regarding the site. According to Ms. Estkowski, the NCDENR issued a Notice of No Further Action (NFA) on March 1, 2010 after reviewing the Notice of Residual Petroleum (NRP), received on February 24, 2010. The review of the NRP indicated that groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination have impacted the Project's groundwater quality. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities. Refer to **Section 9.4** for EA's recommendations.

- Mac's Foods, a former gasoline filling station (current location of 4 Brother's Food Store) located at Highway 158 / 801, is identified on the registered UST database, IMD database and LUST database (Incident # 13698). The EDR report incorrectly identified this site as located 918 feet to the east of the Project. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists three USTs were formerly in operation at this site (Facility ID # 0-011552). According to the report one 10,000-gallon and two 6,000-gallon gasoline USTs were reportedly installed on January 8, 1973 and removed on October 19, 1994. A petroleum release incident was reported at the site on October 27, 1994 following the UST removals. Groundwater and soil contamination was reported.

As part of the original Phase I ESA (dated December 29, 2009) EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office. EA personnel reviewed a Geophysical Survey and Preliminary Site Assessment Report for the site, prepared by General Engineering and Environmental of NC, Inc. (GEL) and dated March 28, 2005. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by Geotechnologies, Inc. in 1995. The investigation was performed due to NCDOT construction plans to reconstruct the bridge and interchange area near the intersection of Interstate 40 and NC 801 North. The NCDOT wanted to assess the property to evaluate the extent (if any) of soil and/or groundwater contamination related to the operation of the former gas station previously located onsite and the current gas station located onsite within the proposed NCDOT right-of-way, and the impact (if any) of this operation on the proposed road improvements. In 1998, SEI Environmental, Inc. performed a Phase I Limited Site Assessment (*LSA)* at the site. The results of the LSA indicated onsite soil and groundwater contamination from petroleum hydrocarbons at levels exceeding the state standards. At that time SEI indicated that the site was a high priority based on the LSA analytical results and the presence of three potable water supply wells in the area. The three water supply wells were reportedly abandoned by 2004. On February 23, 2005, GEL collected soil samples in the area of the proposed NCDOT right-of-way and the area of former USTs. GEL returned to the site on February 25, 2005 to collect groundwater samples from two existing groundwater monitoring wells and one temporary monitoring well. GEL concluded that the composite soil samples collected did not contain petroleum constituents which exceeded their respective action levels. Petroleum constituents were detected at concentrations exceeding the NCDENR 2L Groundwater Quality Standards in the groundwater samples collected. The analytical results indicate that groundwater contamination currently exists at the site, which is most likely due to a release of petroleum from the former USTs that were removed in 1994.

The NCDENR issued a Notice of No Further Action (NFA) on June 9, 2009 after reviewing the Notice of Residual Petroleum (NRP), received on June 8, 2009. The review of the NRP indicated that soil contamination at the site exceeds the residential MSCCs and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination have impacted the Project's soil and groundwater quality. Refer to **Section 8.0** for details regarding EA's recent Phase II sampling activities.

In addition, the following item of note was identified:

- Data gaps were identified in the historical research for the Project. Historical information regarding the Project's use was not available between 1936 and 1955, between 1955 and 1966, between 1966 and 1981, and between 1981 and 1998. In accordance with ASTM 1527-05 guidelines, these constitute data gaps, as historical research was unavailable for more than ten year time periods. These gaps were caused by a lack of readily ascertainable historical re sources. Available historical resources indicate the current improvements were constructed in 1997, prior to which the Project existed as undeveloped or agricultural land since at least 1936. Based on the undeveloped or agricultural nature of the Project from at least 1936 to 1997 and the use of the Project from 1997 to the present as a commercial retail shopping center, these data gaps are not anticipated to impact the findings of this report.

9.4 Recommendations

Based on the findings of this ESA, EA recommends the following:

The solvent constituents that were detected in soil sample S-4-3 and groundwater sample WS-5 below the former dry-cleaner building exceed (IHSB) Soil Remediation Goals and NCAC 2L Groundwater Standards and appear to be a result of historical dry-cleaning activities at the Project.

- EA recommends reporting the findings of this investigation to the North Carolina Department of Environment and Natural Resources (NCDENR), Winston-Salem Regional Office, Inactive Hazardous Sites Branch (IHSB) in accordance with the technical and administrative requirements for site assessments and site cleanups pursuant to the Inactive Hazardous Sites Response Act of 1987 (N.C.G.S. 130A-310 et.seq.). The IHSB will determine specific additional assessment and/or remediation required of the owner of the on-site dry-cleaner or responsible party. In the interim, EA also recommends collecting additional soil and/or groundwater samples at the Project in an attempt to further delineate the extent of Tetrachloroethene (PCE) contamination detected in on-site soil and groundwater.

- EA also recommends conducting an indoor air quality/vapor intrusion study of the Project building(s) in order to determine if harmful vapors are migrating into the Project building(s) from the solvents detected in contaminated soil and groundwater below the former dry-cleaner building.

Considering the proximity of our sample point and the off-site UST basin, several petroleum constituents that were detected in groundwater sample WS-1 at the Project exceed NCAC 2L Standards and appear to be a result of off-site release(s) (leaks, spills and/or overfills) from the UST system located at the eastern adjacent 4 Brother's Food Store/BP station.

- EA recommends reporting the findings of this investigation to the North Carolina Department of Environment and Natural Resources (NCDENR), UST Section, Winston-Salem Regional Office, to report the off-site petroleum release and determine current regulatory status of the incident. Additional assessment and/or corrective action may be required by the responsible party of the off-site release (4 Brother's Food Store) regarding the on-site groundwater concentrations identified in sample WS-1 at the Project. In the interim, EA also recommends collecting additional soil and/or groundwater samples at the Project in an attempt to further delineate the downgradient extent of petroleum contamination detected in on-site groundwater.

Upon request, a proposal to conduct recommendations will be submitted under separate cover.

9.5 Deviations

This Phase I ESA substantially complies with the scope of services and ASTM E 1527-05, as amended, and the Phase II ESA performed in conformance with the scope and limitations of ASTM Practice E 1903-97 (Reapproved 2002); except for exceptions and/or limiting conditions as discussed in **Section 2.2**.

10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312" and we have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Cliff Lundgren, P.G.
Senior Project Manager

11.0 QUALIFICATIONS

All phases of this ESA were conducted, completed and reviewed by qualified EA personnel experienced in conducting ESAs on similar sites. Copies of resumes of EA's key personnel involved with this Project are included in **Appendix 10**.

FIGURES

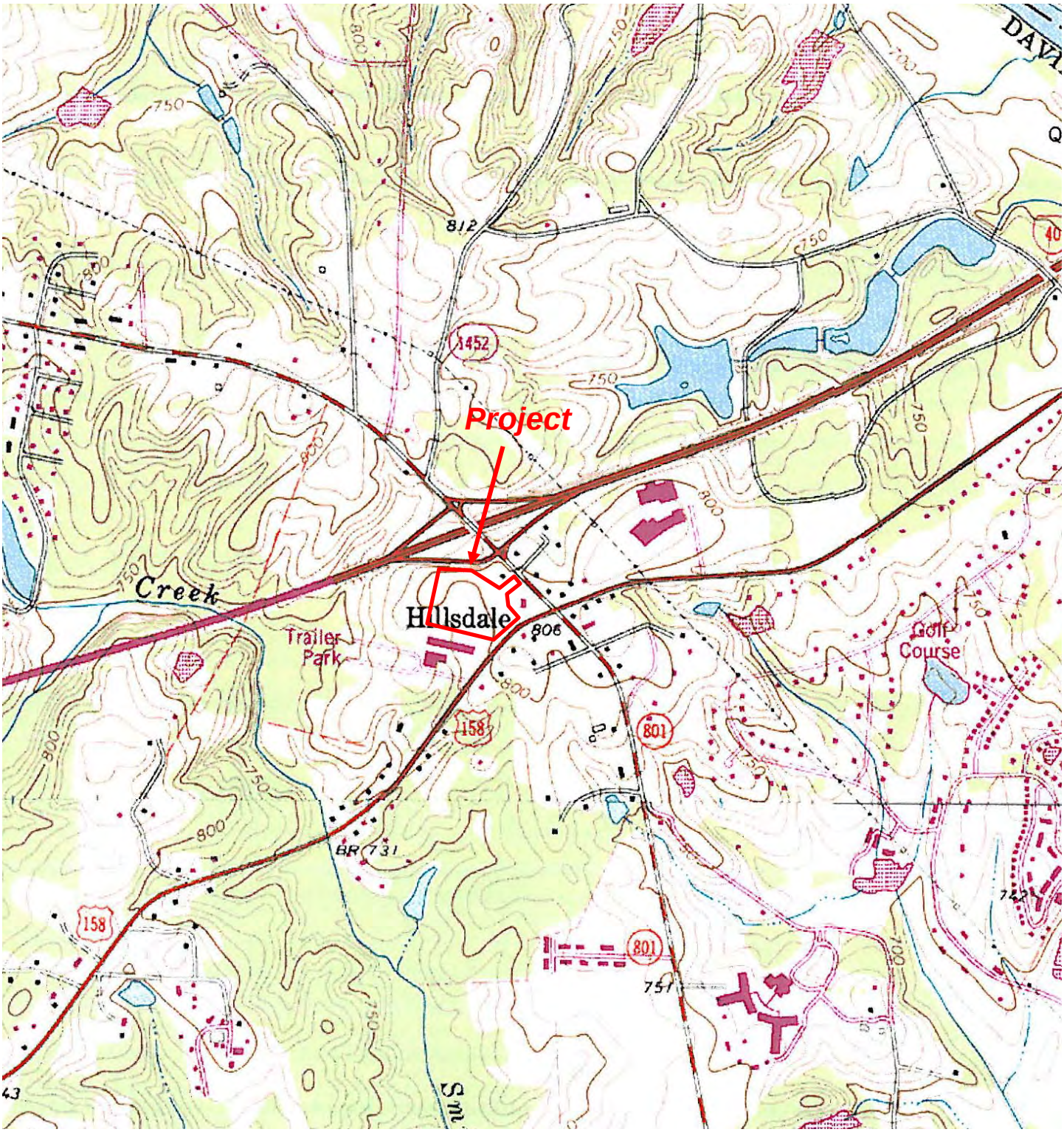


Figure 1 – Site Location Map	**Source:** USGS 7.5 Minute Topographic Map Clemmons, North Carolina Quadrangle 1968 (Photorevised 1994)	**Scale: 1:24,000**

9307 Monroe Road, Suite K
Charlotte, North Carolina 28270
T 704.846.8853 F 704.846.3271
enviroassessments.com
enviroassessments

N

Site Name: **Tanglewood Crossing**
5273 Highway 158
Advance, North Carolina

Project Number: 09-8176.2

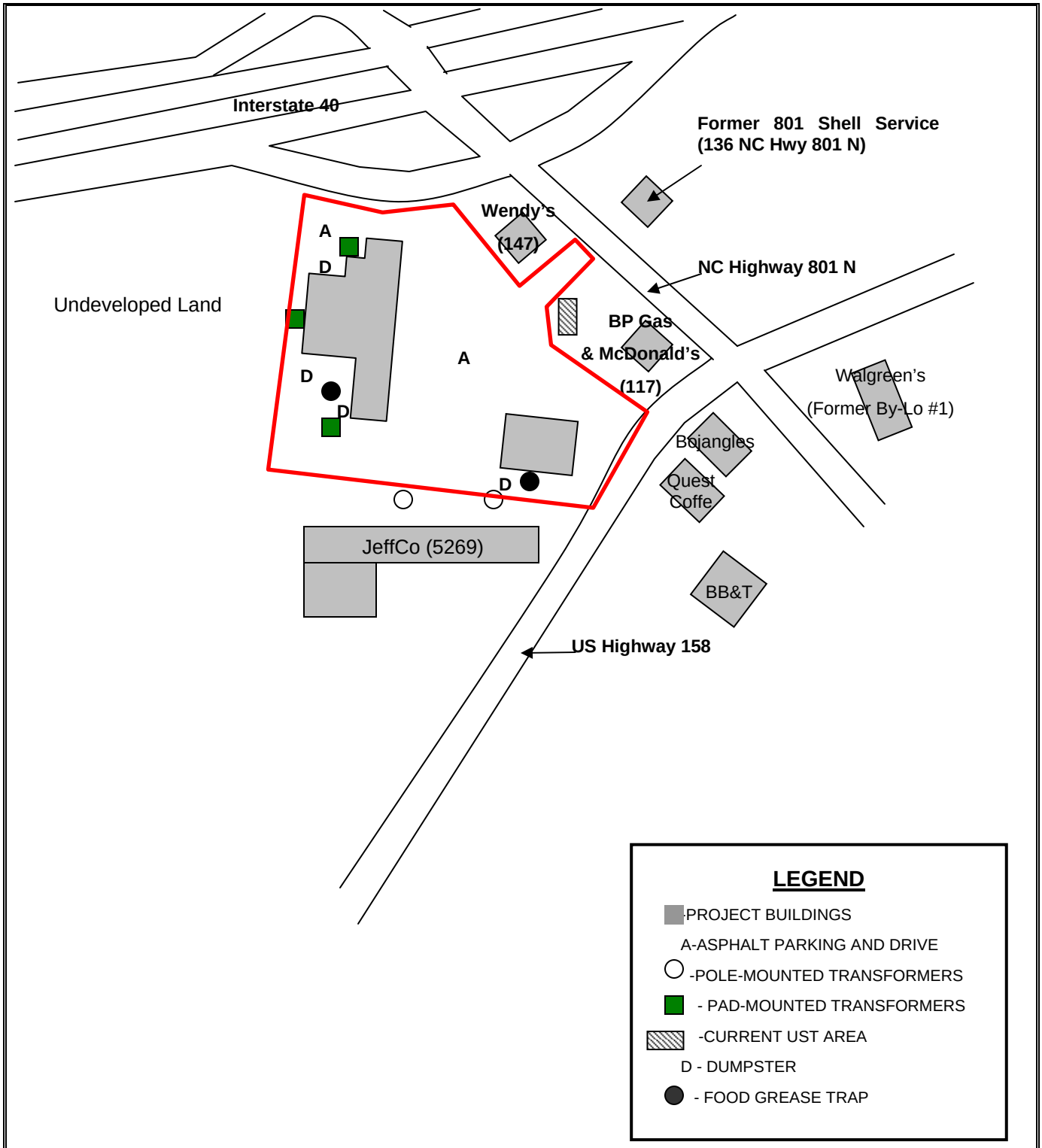


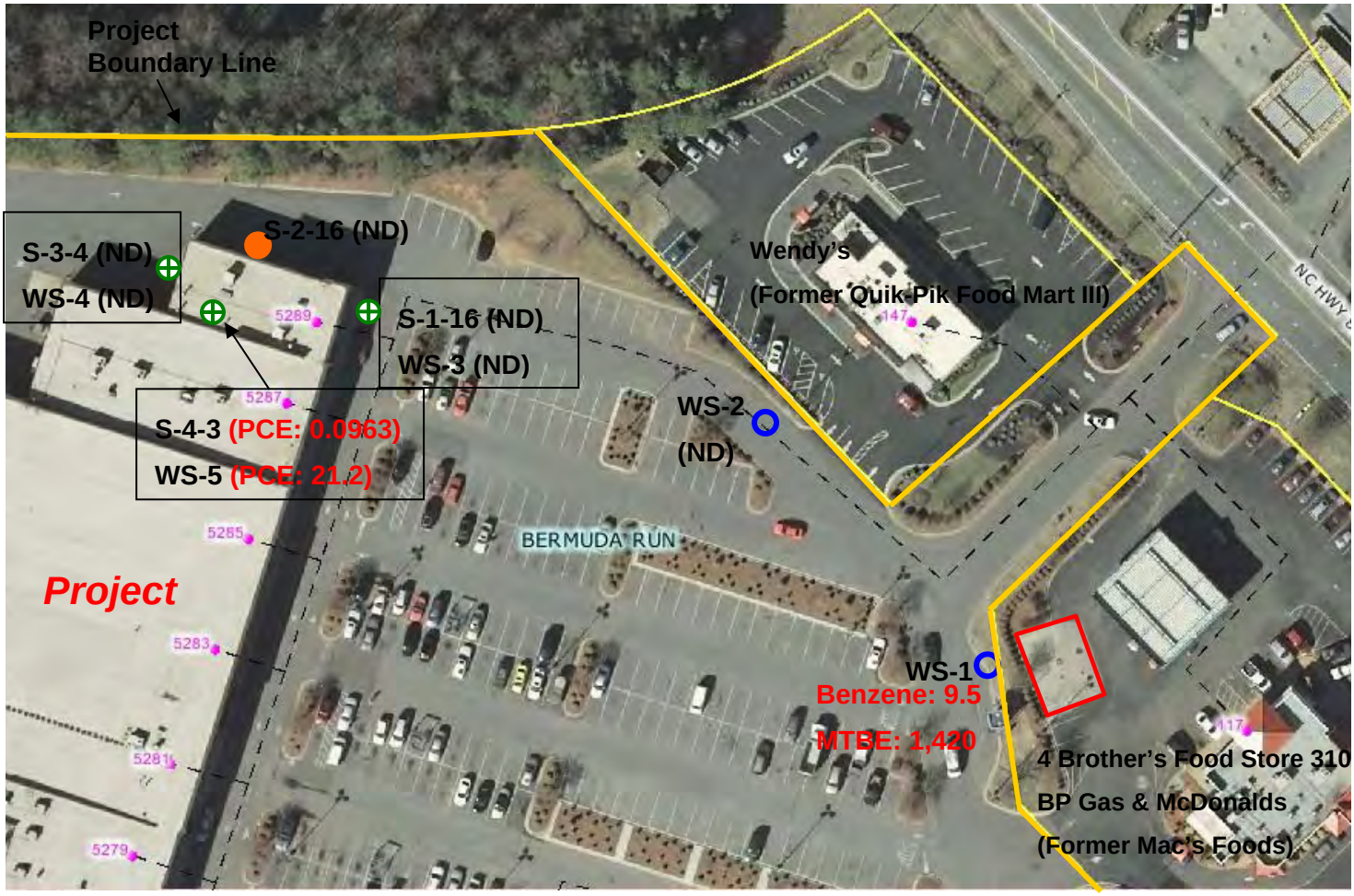
Figure 2A – Site Plan (Phase I)

DRAWING NOT TO SCALE N

9307 Monroe Road, Suite K
Charlotte, North Carolina 28270
T 704.846.8853 F 704.846.3271
enviroassessments.com
enviroassessments

Site Name: **Tanglewood Crossing**
5273 Highway 158
Advance, North Carolina

Project Number: 09-8176.2



Key

- Groundwater sample location
- Soil and groundwater sample location
- Soil sample location
- Off-site UST basin

* All groundwater concentrations are reported in ug/L.

* All soil concentrations are reported in mg/kg.

PCE = Tetrachloroethene MTBE = Methyl tert-butyl ether

Figure 2B – Site Plan (Phase II)	Source: Davie County GIS (2007)
9307 Monroe Road, Suite K Charlotte, North Carolina 28270 T 704.846.8853 F 704.846.3271 enviroassessments.com enviroassessments	Project Name: Tanglewood Crossing 5273 Highway 158 Advance, North Carolina Project Number: 09-8176.2

TABLES

TABLE 1

SOIL ANALYTICAL RESULTS
TANGLEWOOD CROSSING
5273 HIGHWAY 158
ADVANCE, DAVIE COUNTY, NORTH CAROLINA

ENVIROASSESSMENTS PROJECT NUMBER: 09-8176.2

Sample ID	Analytical Method	S-1-16	S-2-16	S-3-4	S-4-3	Soil-to-Water MSCC	Residential MSCC	Industrial/ Commercial MSCC	Protection of Groundwater PSRG
Sample Depth (ft, bgs)		16	16	4	3				
Collection Date		11/16/2010	11/16/2010	11/16/2010	11/16/2010				
Volatile Organic Compounds EPA Method 8260B									
Benzene	8260B	ND	ND	ND	ND	0.0056	18	164	0.0073
Toluene	8260B	ND	ND	ND	ND	4.3	1200	32000	5.5
Ethylbenzene	8260B	ND	ND	ND	ND	4.9	1560	40000	8.1
Total Xylenes	8260B	ND	ND	ND	ND	4.6	3129	81760	6
Acetone	8260B	ND	ND	ND	0.105	24	14000	360000	24
Tetrachloroethene	8260B	ND	ND	ND	**0.0963**	0.0074	1.1	10	0.005
Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8270C									
Benzo(a)anthracene	8270C	ND	ND	ND	ND	0.35	0.88	8	NE
Chrysene	8270C	ND	ND	ND	ND	39	88	780	NE
Phenanthrene	8270C	ND	ND	ND	ND	56	469	12264	NE
Pyrene	8270C	ND	ND	ND	ND	270	469	12264	NE

Notes:
All Maximum Soil Contaminant Concentrations (MSCCs) are reported in milligrams per kilogram (mg/kg).
All Preliminary IHSB Soil Remediation Goals (PSRGs) are reported in milligrams per kilogram (mg/kg).
Bold concentrations exceed Soil-toWater MSCCs and/or Protection of Groundwater PSRGs.
ft, bgs - feet below ground surface
ND - Not Detected
NT - Not Tested
NE - Not Established

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
TANGLEWOOD CROSSING
5273 HIGHWAY 158
ADVANCE, DAVIE COUNTY, NORTH CAROLINA

ENVIROASSESSMENTS PROJECT NUMBER: 09-8176.2

Sample ID Collection Date	Analytical Method	WS-1 11/16/2010	WS-2 11/16/2010	WS-3 11/16/2010	WS-4 11/16/2010	WS-5 11/16/2010	NCAC 2L Groundwater Quality Standards	Gross Contamination Levels (GCLs)
Volatile Organic Compounds (VOCs) by EPA Method 8260B								
Benzene	8260B	**9.5**	ND	ND	ND	ND	1	5000
Toluene	8260B	ND	ND	ND	ND	ND	600	260000
Ethylbenzene	8260B	ND	ND	ND	ND	ND	600	84500
Total Xylenes	8260B	ND	ND	ND	ND	ND	500	85500
Naphthalene	8260B	ND	ND	ND	ND	ND	6	6000
n-Propylbenzene	8260B	ND	ND	ND	ND	ND	70	30000
1,2,4-Trimethylbenzene	8260B	ND	ND	ND	ND	ND	400	28500
Diisopropyl ether	8260B	12.6	ND	ND	ND	ND	70	70000
Methyl tert-Butyl Ether (MTBE)	8260B	**1420**	ND	ND	ND	ND	20	200000
tert-Butyl Alcohol	8260B	1660	ND	ND	ND	ND	NE	NE
Tetrachloroethene	8260B	ND	ND	ND	ND	**21.2**	0.7	700
Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8270C								
Benzo(a)anthracene	8270C	ND	ND	ND	ND	ND	0.05	4.7
Benzo(a)pyrene	8270C	ND	ND	ND	ND	ND	0.005	0.81
Benzo(b)fluoranthene	8270C	ND	ND	ND	ND	ND	0.05	0.75
Benzo(g,h,i)perylene	8270C	ND	ND	ND	ND	ND	200	200
Benzo(k)fluoranthene	8270C	ND	ND	ND	ND	ND	0.5	0.5
Chrysene	8270C	ND	ND	ND	ND	ND	5	5
Dibenzo(a,h)anthracene	8270C	ND	ND	ND	ND	ND	0.005	1.2
Fluoranthene	8270C	ND	ND	ND	ND	ND	300	300
Indeno(1,2,3-c,d)pyrene	8270C	ND	ND	ND	ND	ND	0.05	0.05
1-Methylnaphthalene	8270C	ND	ND	ND	ND	ND	NE	NE
2-Methylnaphthalene	8270C	ND	ND	ND	ND	ND	30	12500
Phenanthrene	8270C	ND	ND	ND	ND	ND	200	410
Pyrene	8270C	ND	ND	ND	ND	ND	200	200

Notes:
All groundwater concentrations are reported in micrograms per liter (ug/L).
Bold concentrations exceed NCAC 2L Groundwater Quality Standards
ft, bgs - feet below ground surface
ND - Not Detected
NE - Not Established

APPENDICES

APPENDIX 1

EDR REGULATORY DATABASE SEARCH REPORT

Tanglewood Crossing
5273 Highway 158
Advance, NC 27006

Inquiry Number: 2921401.1s
November 15, 2010

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5273 HIGHWAY 158
ADVANCE, NC 27006

COORDINATES

Latitude (North):	36.005000 - 36˚ 0' 18.0''
Longitude (West):	80.442200 - 80˚ 26' 31.9''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	550271.4
UTM Y (Meters):	3984446.5
Elevation:	790 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	36080-A4 CLEMMONS, NC
Most Recent Revision:	1994
South Map:	35080-H4 ADVANCE, NC
Most Recent Revision:	1987

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

NC HSDS..... Hazardous Substance Disposal Site

State- and tribal - equivalent CERCLIS

SHWS..... Inactive Hazardous Sites Inventory

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... List of Solid Waste Facilities
OLI..... Old Landfill Inventory

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... AST Database
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

EXECUTIVE SUMMARY

State and tribal institutional control / engineering control registries

INST CONTROL ..... No Further Action Sites With Land Use Restrictions Monitoring

State and tribal voluntary cleanup sites

VCP ..... Responsible Party Voluntary Action Sites
INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ..... Brownfields Projects Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
HIST LF ..... Solid Waste Facility Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
LUCIS ..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA-NonGen ..... RCRA - Non Generators
DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

EXECUTIVE SUMMARY

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System
UIC..... Underground Injection Wells Listing
DRYCLEANERS..... Drycleaning Sites
NPDES..... NPDES Facility Location Listing
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER..... PCB Transformer Registration Database
COAL ASH..... Coal Ash Disposal Sites
COAL ASH DOE..... Sleam-Electric Plan Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 07/30/2010 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
801 SHELL SERVICE - B Incident Phase: Closed Out	***136 NC HIGHWAY 801 N***	***ENE 1/8 - 1/4 (0.127 mi.)***	***A1***	***7***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BY-LO #1	***5322 US HIGHWAY 58***	***E 1/8 - 1/4 (0.185 mi.)***	***B6***	***24***
SALEM CONSTRUCTION CO.	***169 YADKIN VALLEY RD.***	***NNW 1/4 - 1/2 (0.488 mi.)***	***8***	***28***
Incident Phase: Follow Up				

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 07/16/2010 has revealed that there are 2 LUST TRUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
801 SHELL SERVICE - B	136 NC HIGHWY 801 N	ENE 1/8 - 1/4 (0.127 mi.)	A3	15
BY-LO #1	***5322 US HIGHWAY 58***	***E 1/8 - 1/4 (0.185 mi.)***	***B6***	***24***

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 07/30/2010 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
801 SHELL SERVICE	136 NC HIGHWAY 801 NORT	ENE 1/8 - 1/4 (0.127 mi.)	A2	10

Lower Elevation	Address	Direction / Distance	Map ID	Page
QUIK-PIK FOOD MART III	147 HWY 801 NORTH	N 1/8 - 1/4 (0.162 mi.)	4	15

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 5 IMD sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
801 SHELL SERVICE - B	***136 NC HIGHWAY 801 N***	***ENE 1/8 - 1/4 (0.127 mi.)***	***A1***	***7***
MAC'S FOODS	HWY 158 / 801	E 1/8 - 1/4 (0.174 mi.)	B5	23
BY-LO #1	***5322 US HIGHWAY 58***	***E 1/8 - 1/4 (0.185 mi.)***	***B6***	***24***
SALEM CONSTRUCTION CO.	***169 YADKIN VALLEY RD.***	***NNW 1/4 - 1/2 (0.488 mi.)***	***8***	***28***

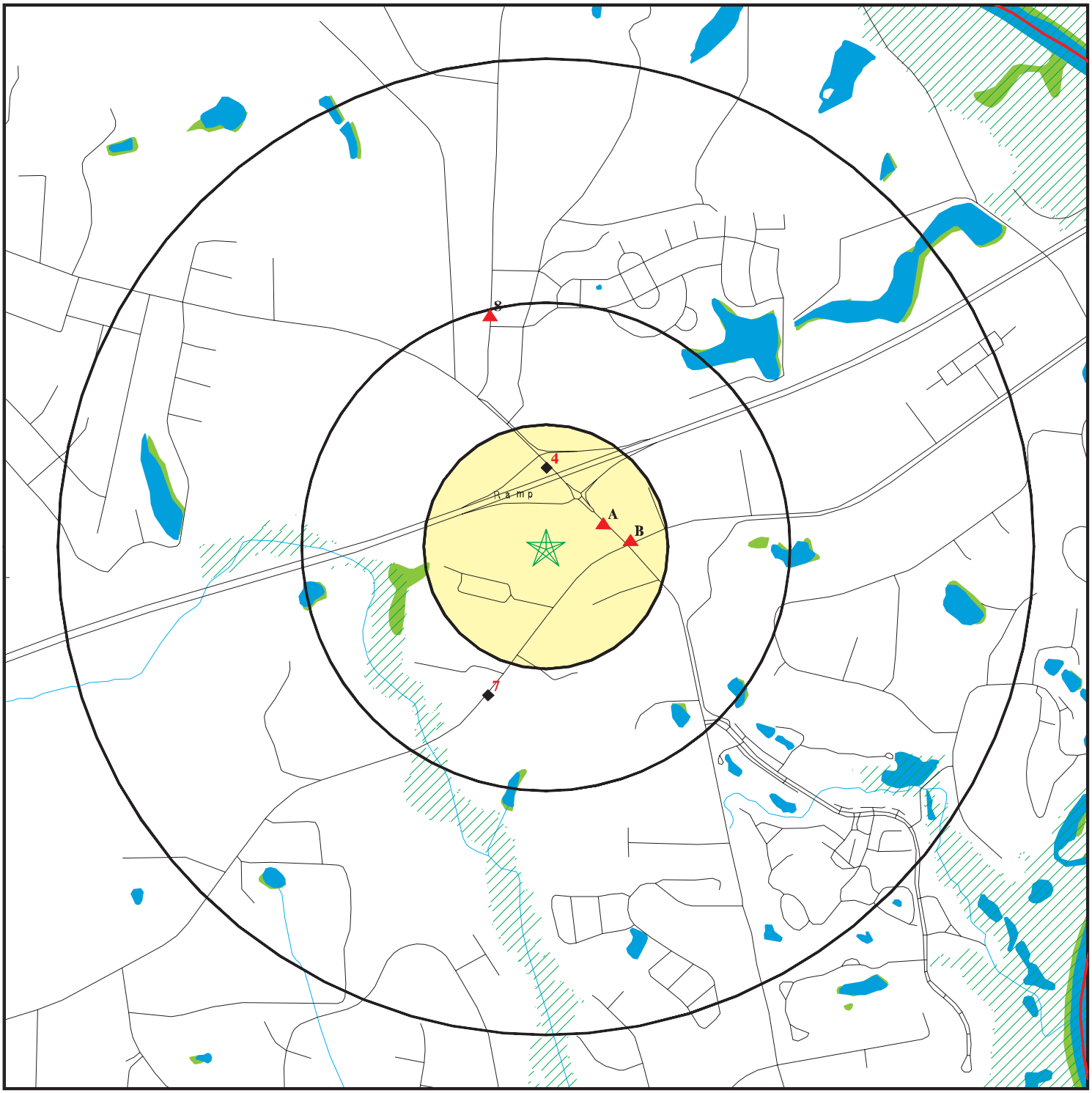
Lower Elevation	Address	Direction / Distance	Map ID	Page
MILLER PROPERTY (L.J.-B)	5323 HWY 158	SSW 1/4 - 1/2 (0.327 mi.)	7	27

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
WILCO #276	LUST
MILLER PROPERTY, L.J. - B	LUST
MILLER PROPERTY, L.J.	LUST
TAR HEEL BANANA CO.	LUST
MAC'S FOODS	LUST, UST
HANNER PROPERTY, KIM	LUST, LUST TRUST
R. J. REYNOLDS - DAVIE	LUST
MCCULLOH'S GROCERY	IMD, LUST
L.J. MILLER PROPERTY	LUST TRUST
MCCULLOHS CURB MARKET	UST
BY-LO 1	UST
FORK EXXON	IMD, UST
S & G INVESTMENT. INC.	UST
FOREST LAKE PRESERVE	UST
L & S GROCERY	UST
ADVANCE COUNTRY STORE	UST
TAR HEEL BANANA CO.. INC.	UST
4 BROTHERS FOOD STORE 310	UST
LOWES FUEL CANOPY	UST
DAVIE OIL CO. INC. (W TERMINAL)	AST
DAVIE OIL CO. INC. (E TERMINAL)	AST
K & R CLEANERS INC	RCRA-NonGen
KEITH'S AUTO RESTORATION	RCRA-CESQG, FINDS
THE ANTIQUE WORKSHOP INC	RCRA-CESQG, FINDS
B&R AUTOMOTIVE	RCRA-CESQG, FINDS
MILLER PROPERTY(L.J.)	IMD
R.J. REYNOLDS TOBACCO CO.	IMD
NORTHWEST PROPERTY GROUP	IMD
YADKIN VALLEY TELEPHONE OIL SP	IMD
VULCAN MATERIALS CO.	MINES

OVERVIEW MAP - 2921401.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

N

SITE NAME: Tanglewood Crossing ADDRESS: 5273 Highway 158 Advance NC 27006 LAT/LONG: 36.0050 / 80.4422	CLIENT: EnviroAssessments, PLLC CONTACT: Amanda Petoskey INQUIRY #: 2921401.1s DATE: November 15, 2010 2:03 pm

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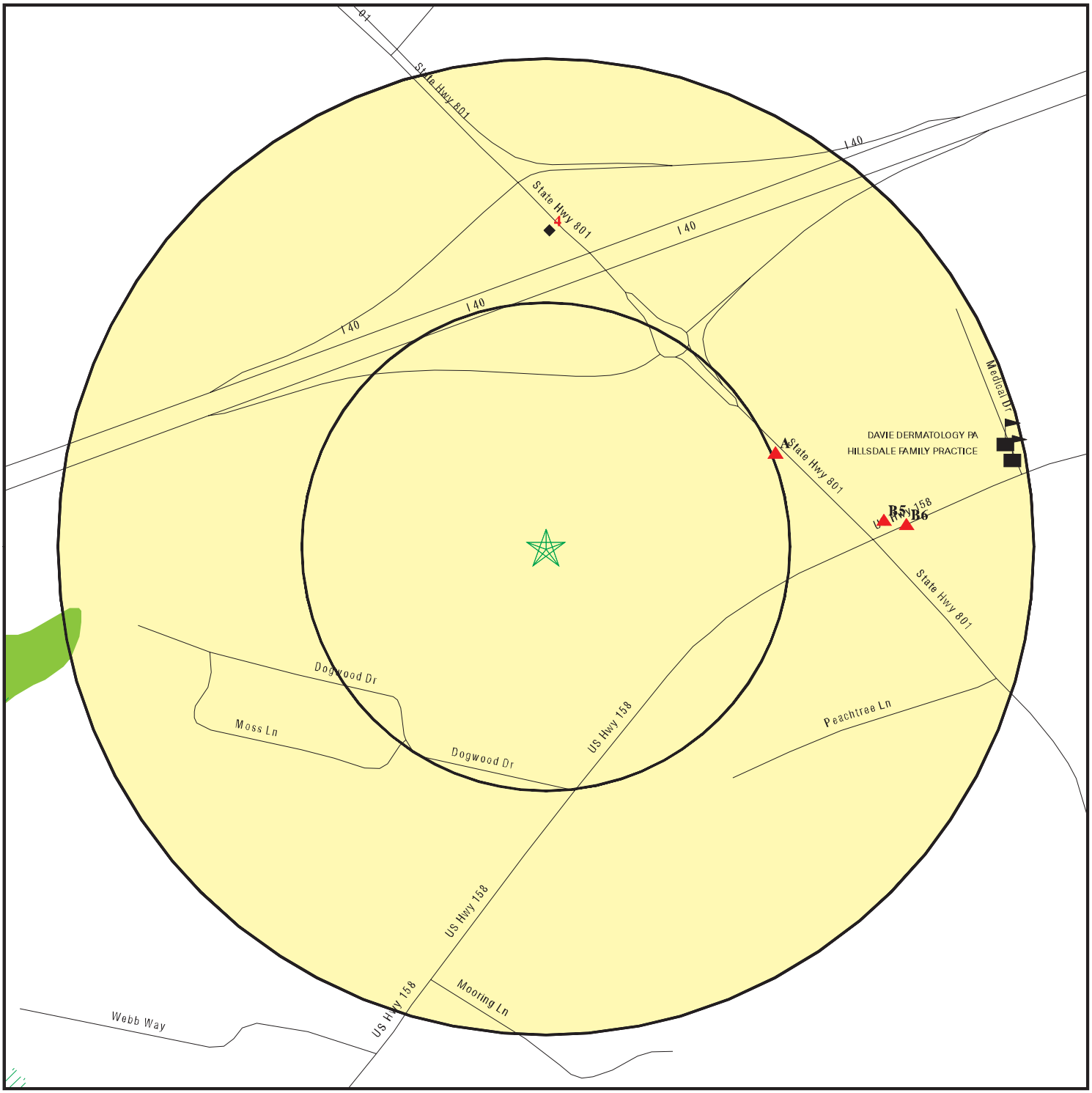
DETAIL MAP - 2921401.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

N

SITE NAME: Tanglewood Crossing	CLIENT: EnviroAssessments, PLLC
ADDRESS: 5273 Highway 158 Advance NC 27006	CONTACT: Amanda Petoskey
LAT/LONG: 36.0050 / 80.4422	INQUIRY #: 2921401.1s
	DATE: November 15, 2010 2:04 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
NC HSDS		1.000	0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
SHWS		1.000	0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	0	0	NR	NR	0
OLI		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST		0.500	0	2	1	NR	NR	3

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST TRUST		0.500	0	2	0	NR	NR	2
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	0	2	NR	NR	NR	2
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.500	0	0	0	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
IMD		0.500	0	3	2	NR	NR	5
UIC		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 ENE 1/8-1/4 0.127 mi. 672 ft. | **801 SHELL SERVICE - B**
136 NC HIGHWAY 801 N
ADVANCE, NC

Site 1 of 3 in cluster A

IMD **S106896353**
LUST **N/A**

Relative: Higher

Actual: 804 ft.

IMD:

Region:	Not reported
Facility ID:	30557
Date Occurred:	2/28/2005
Submit Date:	5/13/2005
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	Found during DOT investigation
Operator:	DANNY STROUD
Contact Phone:	3367223441
Owner Company:	QUALITY OIL
Operator Address:	P O BOX 2736
Operator City:	WINSTON-SALEM
Oper City,St,Zip:	WINSTON-SALEM, NC 27127-
Ownership:	Private
Operation:	Commercial
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Not reported
Risk Site:	I
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	WWW
Wells Affected:	Unknown
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	y
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.00611111
Longitude:	-80.44055555
Latitude Number:	360022
Longitude Number:	802626
Latitude Decimal:	36.0061111111111
Longitude Decimal:	80.4405555555556
GPS:	6
Agency:	DWM
Facility ID:	30557
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	11/22/2005
NORR Issued:	6/17/2005
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported

801 SHELL SERVICE - B (Continued) **S106896353**

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: 0-012847
UST Number: WS-7126
Incident Number: 30557
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 5/13/2005
Date Occur: 2/28/2005
Cleanup: 8/16/2007
Closure Request: Not reported
Close Out: 3/26/2010
Level Of Soil Cleanup Achieved: Residential
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: I
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Industrial/commercial
MTBE: No
MTBE1: Yes
Flag: No
Flag1: No
LUR Filed: 2/16/2010
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to alternate standards
PETOPT: 3
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 22.74 80 26 26.1
Lat/Long Decimal: 36.006333 80.440597
Testlat: Not reported
Regional Officer Project Mgr: LME
Region: Winston-Salem
Company: QUALITY OIL
Contact Person: DANNY STROUD
Telephone: 3367223441
RP Address: P O BOX 2736
RP City,St,Zip: WINSTON-SALEM, NC 27127

801 SHELL SERVICE - B (Continued) **S106896353**

RP County: Not reported
Comments: Old WS-2374 - the hot MW isi adjancent to current tanks. Right now it looks like 2nd generation tanks are leaking. Ask MCP for inspection; 11/9/07-reviewed clos rpt-sent rev let for IAA rpt and changes in figures, tables, UST-2p;2/4/08-sent iaa norr to rp (ncdot says they will do no further work); 11/18/08-site visit;4/8/09-sent fund resume norr-need to contact wsw owners (aband/hook-up);6/24/09-sent nov for 4/8/09 norr; 7/16/09-sent norr to abandon one wsw to lower the risk; 12/9/09-wsw abandoned; 12/15/09-sent nrp norr; READ!!-This incident includes only the 3 gas usts removed on 8/16/07-does not include the waste oil tank!!! 3/1/10-sent nrp-nfa (after get pub not. can give final closure);3/26/10-closure is final;
5 Min Quad: Not reported

PIRF:

Facility Id:	30557
Date Occurred:	2/28/2005
Date Reported:	5/13/2005
Description Of Incident:	Found during DOT investigation
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	u
Samples Include:	Not reported
7#5 Minute Quad:	y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	7
Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	3/26/2010
Incident Phase:	**Closed Out**
NOV Issued:	6/24/2009
NORR Issued:	12/15/2009
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

A2 ENE 1/8-1/4 0.127 mi. 672 ft. | **801 SHELL SERVICE**
136 NC HIGHWAY 801 NORTH
ADVANCE, NC 27006 | **UST** | **U001194441**
N/A

Site 2 of 3 in cluster A

Relative: Higher

Actual: 804 ft.

UST:

Facility ID:	0-012847
Region:	04
Facility Telephone:	(919) 998-8139
Last Update:	1/13/2009
Owner Name:	QUALITY OIL COMPANY LLC
Owner Address:	PO BOX 2736/1540 SILAS CREEK PKY
Owner City,St,Zip:	WINSTON SALEM, NC 27127
Owner Phone:	(336) 722-3441
Latitude:	36.00620
Latitude 1:	36 00 22.32
Longitude:	80.44036
Longitude 1:	80 26 25.29
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	SYW

Tank ID:	68-005
Tank ID Number:	Not reported
Tank Capacity:	10000
Status:	**Permanent Closed**
Date installed:	6/5/1967
Date removed:	1/7/1989
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	None
Exterior Protection:	Paint
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported

801 SHELL SERVICE (Continued) **U001194441**

Comment: Not reported

Tank ID: 68-006
Tank ID Number: Not reported
Tank Capacity: 10000
Status: Permanent Closed
Date installed: 6/5/1967
Date removed: 1/7/1989
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 68-009
Tank ID Number: Not reported
Tank Capacity: 550
Status: Permanent Closed
Date installed: 5/5/1968
Date removed: 1/10/1988
Tank Product: Oil, New/Used/Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported

801 SHELL SERVICE (Continued) **U001194441**

Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	None
Exterior Protection:	Paint
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

Tank ID:	70-013
Tank ID Number:	Not reported
Tank Capacity:	6000
Status:	**Permanent Closed**
Date installed:	5/5/1970
Date removed:	1/7/1989
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	None
Exterior Protection:	Paint
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported

801 SHELL SERVICE (Continued) **U001194441**

Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 89-0111
Tank ID Number: Not reported
Tank Capacity: 8000
Status: Permanent Closed
Date installed: 9/22/1989
Date removed: 8/16/2007
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Fiberglass Reinforced Plastic
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: 200704861O
Date Last Certified: 7/6/2007
Begin Certified Number: 1/7/2007
End Certified Number: Not reported
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Inventory control
Leak Detection Piping 1: L
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Ball float valves
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Automatic tank guaging
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Catchment basins
Corrosion Protection Tank Date: 1/7/1989
Corrosion Protection Piping Date: 1/7/1989
Spill Overfill Date: 7/28/1989
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 89-012
Tank ID Number: Not reported
Tank Capacity: 10000
Status: Permanent Closed
Date installed: 9/22/1989
Date removed: 8/16/2007
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON

801 SHELL SERVICE (Continued) **U001194441**

Tank Material:	Fiberglass Reinforced Plastic
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	200704861O
Date Last Certified:	7/6/2007
Begin Certified Number:	1/7/2007
End Certified Number:	Not reported
Interior Protection:	FRP
Exterior Protection:	FRP
Piping material:	FRP
Certify Type:	Not reported
Leak Detection Type:	Inventory control
Leak Detection Piping 1:	L
Corrosn Protec Tank:	FRP tank/piping
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill:	Ball float valves
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Automatic tank guaging
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Catchment basins
Corrosion Protection Tank Date:	1/7/1989
Corrosion Protection Piping Date:	1/7/1989
Spill Overfill Date:	7/28/1989
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

Tank ID:	89-013
Tank ID Number:	Not reported
Tank Capacity:	10000
Status:	**Permanent Closed**
Date installed:	9/22/1989
Date removed:	8/16/2007
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Fiberglass Reinforced Plastic
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	200704861O
Date Last Certified:	7/6/2007
Begin Certified Number:	1/7/2007
End Certified Number:	Not reported
Interior Protection:	FRP
Exterior Protection:	FRP
Piping material:	FRP
Certify Type:	Not reported
Leak Detection Type:	Inventory control
Leak Detection Piping 1:	L
Corrosn Protec Tank:	FRP tank/piping
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill:	Ball float valves

801 SHELL SERVICE (Continued) **U001194441**

Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Automatic tank guaging
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Catchment basins
Corrosion Protection Tank Date:	1/7/1989
Corrosion Protection Piping Date:	1/7/1989
Spill Overfill Date:	7/28/1989
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

A3
ENE
1/8-1/4
0.127 mi.
672 ft.

801 SHELL SERVICE - B **LUST TRUST** **S108631946**
136 NC HIGHWAY 801 N **N/A**
ADVANCE, NC

Site 3 of 3 in cluster A

Relative:
Higher

Actual:
804 ft.

LUST TRUST:

Facility ID:	Not reported
Site ID:	30557
Site Note:	Commercial; $20,000 deductible; 100% eligible for costs that exceed the $20,000 deductible.[CGS 08/06/07]
Site Eligible?:	True
Commercial Find:	100% Commercial
Priority Rank:	Not reported
Deductable Amount:	20000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

4
North
1/8-1/4
0.162 mi.
856 ft.

QUIK-PIK FOOD MART III **UST** **U003144210**
147 HWY 801 NORTH **N/A**
ADVANCE, NC 27006

Relative:
Lower

Actual:
784 ft.

UST:

Facility ID:	0-011990
Region:	04
Facility Telephone:	(336) 998-0699
Last Update:	2/27/2003
Owner Name:	G & B OIL CO.. INC.
Owner Address:	667 NORTH BRIDGE STREET
Owner City,St,Zip:	ELKIN, NC 28621
Owner Phone:	(336) 835-3607
Latitude:	36.01646
Latitude 1:	36 00 59.27
Longitude:	-80.73521
Longitude 1:	80 44 06.76
GPS String Confirmed:	Yes

Initials of Individual Confirming GPS: SYW

QUIK-PIK FOOD MART III (Continued) **U003144210**

Tank ID:	1
Tank ID Number:	Not reported
Tank Capacity:	6000
Status:	**Permanent Closed**
Date installed:	10/5/1970
Date removed:	12/31/1988
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Fiberglass Reinforced Plastic
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	FRP
Exterior Protection:	FRP
Piping material:	FRP
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	FRP tank/piping
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill:	Ball float valves
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Catchment basins
Corrosion Protection Tank Date:	1/30/1989
Corrosion Protection Piping Date:	1/30/1989
Spill Overfill Date:	1/30/1989
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

Tank ID:	2
Tank ID Number:	Not reported
Tank Capacity:	6000
Status:	**Permanent Closed**
Date installed:	10/5/1970
Date removed:	12/31/1988
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	Cathodic Protection

QUIK-PIK FOOD MART III (Continued) **U003144210**

Exterior Protection: Cathodic Protection
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 3
Tank ID Number: Not reported
Tank Capacity: 6000
Status: Permanent Closed
Date installed: 10/5/1970
Date removed: 12/31/1988
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: Cathodic Protection
Exterior Protection: Cathodic Protection
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported

QUIK-PIK FOOD MART III (Continued) **U003144210**

Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 4
Tank ID Number: Not reported
Tank Capacity: 6000
Status: Permanent Closed
Date installed: 10/5/1970
Date removed: 12/31/1988
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: Cathodic Protection
Exterior Protection: Cathodic Protection
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 5
Tank ID Number: Not reported
Tank Capacity: 550
Status: Permanent Closed
Date installed: 10/5/1970
Date removed: 12/31/1988
Tank Product: Oil, New/Used/Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No

QUIK-PIK FOOD MART III (Continued) **U003144210**

Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: Cathodic Protection
Exterior Protection: Cathodic Protection
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: A1
Tank ID Number: Not reported
Tank Capacity: 2000
Status: Permanent Closed
Date installed: 9/1/1989
Date removed: 10/9/2002
Tank Product: Kerosene, Kerosene Mixture
Product Type: NON
Tank Material: Fiberglass Reinforced Plastic
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: 200203715O
Date Last Certified: 6/3/2002
Begin Certified Number: 1/4/2002
End Certified Number: Not reported
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Statistical inventory reconciliation
Leak Detection Piping 1: Exempt under 280.41 (B)(2)(1)- (V) (piping only)
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Ball float valves
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported

QUIK-PIK FOOD MART III (Continued) **U003144210**

Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Catchment basins
Corrosion Protection Tank Date: 9/1/1989
Corrosion Protection Piping Date: 9/1/1989
Spill Overfill Date: 9/1/1989
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: A2
Tank ID Number: Not reported
Tank Capacity: 6000
Status: Permanent Closed
Date installed: 9/1/1989
Date removed: 10/9/2002
Tank Product: Diesel, Diesel Mixture
Product Type: NON
Tank Material: Fiberglass Reinforced Plastic
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: 200203715O
Date Last Certified: 6/3/2002
Begin Certified Number: 1/4/2002
End Certified Number: Not reported
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Statistical inventory reconciliation
Leak Detection Piping 1: Statistical inventory reconciliation
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Ball float valves
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: H
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Catchment basins
Corrosion Protection Tank Date: 9/1/1989
Corrosion Protection Piping Date: 9/1/1989
Spill Overfill Date: 9/1/1989
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: A3
Tank ID Number: Not reported
Tank Capacity: 10000
Status: Permanent Closed
Date installed: 9/1/1989

QUIK-PIK FOOD MART III (Continued) **U003144210**

Date removed:	10/9/2002
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Fiberglass Reinforced Plastic
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	200203715O
Date Last Certified:	6/3/2002
Begin Certified Number:	1/4/2002
End Certified Number:	Not reported
Interior Protection:	FRP
Exterior Protection:	FRP
Piping material:	FRP
Certify Type:	Not reported
Leak Detection Type:	Statistical inventory reconciliation
Leak Detection Piping 1:	Statistical inventory reconciliation
Corrosn Protec Tank:	FRP tank/piping
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill:	Ball float valves
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	H
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Catchment basins
Corrosion Protection Tank Date:	9/1/1989
Corrosion Protection Piping Date:	9/1/1989
Spill Overfill Date:	9/1/1989
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

Tank ID:	A4
Tank ID Number:	Not reported
Tank Capacity:	10000
Status:	**Permanent Closed**
Date installed:	9/1/1989
Date removed:	10/9/2002
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Fiberglass Reinforced Plastic
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	200203715O
Date Last Certified:	6/3/2002
Begin Certified Number:	1/4/2002
End Certified Number:	Not reported
Interior Protection:	FRP
Exterior Protection:	FRP
Piping material:	FRP
Certify Type:	Not reported
Leak Detection Type:	Statistical inventory reconciliation
Leak Detection Piping 1:	Statistical inventory reconciliation

QUIK-PIK FOOD MART III (Continued) **U003144210**

Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Ball float valves
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: H
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Catchment basins
Corrosion Protection Tank Date: 9/1/1989
Corrosion Protection Piping Date: 9/1/1989
Spill Overfill Date: 9/1/1989
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: A5
Tank ID Number: Not reported
Tank Capacity: 10000
Status: Permanent Closed
Date installed: 9/1/1989
Date removed: 10/9/2002
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Fiberglass Reinforced Plastic
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: 200203715O
Date Last Certified: 6/3/2002
Begin Certified Number: 1/4/2002
End Certified Number: Not reported
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Statistical inventory reconciliation
Leak Detection Piping 1: Statistical inventory reconciliation
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Ball float valves
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: H
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Catchment basins
Corrosion Protection Tank Date: 9/1/1989
Corrosion Protection Piping Date: 9/1/1989
Spill Overfill Date: 9/1/1989
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

B5 East 1/8-1/4 0.174 mi. 918 ft. | **MAC'S FOODS**
HWY 158 / 801
ADVANCE, NC | **IMD** | **S101574060**
N/A

Site 1 of 2 in cluster B

Relative: Higher

Actual: 809 ft.

IMD:

Region:	WS
Facility ID:	13698
Date Occurred:	11/29/1994
Submit Date:	8/18/1997
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	Not reported
Incident Desc:	GW CONTAMINATION CONFIRMED AT 540 PPB BENZENE AND 213 PPB EDB.
Operator:	MAURICE WHITE
Contact Phone:	Not reported
Owner Company:	DENVER WHITE OIL CO
Operator Address:	4542 S MAIN ST
Operator City:	WINSTON-SALEM
Oper City,St,Zip:	WINSTON-SALEM, NC 27127
Ownership:	Private
Operation:	Commercial
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Rural
Risk Site:	Yes
Site Priority:	030D
Priority Code:	L
Priority Update:	5/30/1998
Dem Contact:	Not reported
Wells Affected:	No
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Responsible Parties
Samples Include:	Groundwater Samples
7.5 Min Quad:	Not reported
5 Min Quad:	H61
Latitude:	Not reported
Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	NOD
Agency:	Not reported
Facility ID:	13698
Last Modified:	1/21/2000
Incident Phase:	Follow Up
NOV Issued:	1/4/2000
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported

MAC'S FOODS (Continued) **S101574060**

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

B6 **BY-LO #1** **IMD** **S107780960**
East **5322 US HIGHWAY 58** **LUST** **N/A**
1/8-1/4 **ADVANCE, NC** **LUST TRUST**
0.185 mi.
978 ft. **Site 2 of 2 in cluster B**

Relative:
Higher

Actual:
809 ft.

IMD:
Region: Not reported
Facility ID: 30771
Date Occurred: 4/11/2006
Submit Date: 5/1/2006
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: ESA II found contamination
Operator: B.V. DISHER
Contact Phone: 3367231876
Owner Company: COMMERCIAL OIL COMPANY
Operator Address: 623 N. LIBERTY
Operator City: WINSTON-SALEM
Oper City,St,Zip: WINSTON-SALEM, NC 27101
Ownership: Unknown
Operation: Commercial
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: CHR
Wells Affected: Unknown
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: y
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: 0
Longitude Number: 0
Latitude Decimal: 0
Longitude Decimal: 0
GPS: EST
Agency: DWM
Facility ID: Not reported
Last Modified: Not reported
Incident Phase: Not reported
NOV Issued: Not reported

BY-LO #1 (Continued) **S107780960**

NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	0-011880
UST Number:	WS-7394
Incident Number:	30771
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	5/1/2006
Date Occur:	4/11/2006
Cleanup:	8/2/2006
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	H
Risk Class Based On Review:	I
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	Yes
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	3
RPL:	True
CD Num:	0
Reel Num:	0
RPOW:	True
RPOP:	True
Error Flag:	0
Error Code:	N
Valid:	True
Lat/Long:	36 56 28.02 80 24 33.9
Lat/Long Decimal:	36.941135 80.409436
Testlat:	Not reported
Regional Officer Project Mgr:	LME

BY-LO #1 (Continued) **S107780960**

Region:	Winston-Salem
Company:	COMMERCIAL OIL COMPANY
Contact Person:	B.V. DISHER
Telephone:	3367231876
RP Address:	623 N. LIBERTY
RP City,St,Zip:	WINSTON-SALEM, NC 27101
RP County:	Not reported
Comments:	8/8/07-reranked to intermediate/res;
5 Min Quad:	Not reported

PIRF:

Facility Id:	30771
Date Occurred:	4/11/2006
Date Reported:	5/1/2006
Description Of Incident:	ESA II found contamination
Owner/Operator:	Not reported
Ownership:	3
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	u
Samples Include:	Not reported
7#5 Minute Quad:	y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	0-011880
Site ID:	30771
Site Note:	Commercial; $20,000 deductible; 100% eligible for costs that exceed the $20,000 deductible.[CGS 10/23/07]
Site Eligible?:	True
Commercial Find:	100% Commercial
Priority Rank:	Not reported
Deductable Amount:	20000
3rd Party Deductable Amt:	0

BY-LO #1 (Continued) **S107780960**

Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

7
SSW
1/4-1/2
0.327 mi.
1725 ft.

MILLER PROPERTY (L.J.-B) **IMD** **S104157291**
5323 HWY 158 **N/A**
ADVANCE, NC

Relative:
Lower

Actual:
767 ft.

IMD:

Region:	WS
Facility ID:	20494
Date Occurred:	7/27/1999
Submit Date:	10/4/1999
GW Contam:	Not reported
Soil Contam:	Yes
Incident Desc:	CONTAM. AS HIGH AS 7,,810 PPM BY 5030.
Operator:	LEWIS MILLER
Contact Phone:	Not reported
Owner Company:	Not reported
Operator Address:	P.O. BOX 1805
Operator City:	CLEMMONS
Oper City,St,Zip:	CLEMMONS, NC 27012
Ownership:	Unknown
Operation:	Commercial
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Not reported
Risk Site:	Not reported
Site Priority:	U
Priority Code:	Not reported
Priority Update:	10/4/1999
Dem Contact:	Not reported
Wells Affected:	Not reported
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Soil Samples
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	NOD
Agency:	Not reported
Facility ID:	20494
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	Not reported

MILLER PROPERTY (L.J.-B) (Continued) **S104157291**

NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

8
NNW
1/4-1/2
0.488 mi.
2576 ft.

SALEM CONSTRUCTION CO. **IMD** **S104157154**
169 YADKIN VALLEY RD. **LUST** **N/A**
ADVANCE, NC

Relative:
Higher

Actual:
830 ft.

IMD:

Region:	WS
Facility ID:	20317
Date Occurred:	1/15/1999
Submit Date:	8/4/1999
GW Contam:	Not reported
Soil Contam:	Yes
Incident Desc:	UPON REMOVAL OF UST, SOIL CONTAM. WAS CONFIRMED. AT MORE THAN 10 PPM.
Operator:	ROBERT A. LAWRENCE
Contact Phone:	Not reported
Owner Company:	SALEM CENTER PARTNERSHIP
Operator Address:	P.O. BOX 953
Operator City:	LOUISVILLE
Oper City,St,Zip:	LOUISVILLE, KY 40201
Ownership:	Private
Operation:	Commercial
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Industrial
Risk Site:	Not reported
Site Priority:	U
Priority Code:	Not reported
Priority Update:	8/5/1999
Dem Contact:	Not reported
Wells Affected:	No
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Responsible Parties
Samples Include:	Soil Samples
7.5 Min Quad:	Not reported
5 Min Quad:	h61
Latitude:	Not reported
Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported

SALEM CONSTRUCTION CO. (Continued) **S104157154**

GPS:	NOD
Agency:	Not reported
Facility ID:	20317
Last Modified:	3/6/2000
Incident Phase:	Follow Up
NOV Issued:	2/15/2000
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	0-026489
UST Number:	WS-5717
Incident Number:	20317
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	1/15/1999
Date Occur:	12/23/1998
Cleanup:	9/30/2001
Closure Request:	1/18/2000
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	H
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	2/15/2000
NORR Issue Date:	7/20/1999
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	Yes
Flag:	Yes
Flag1:	No
LUR Filed:	6/23/2010
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0

SALEM CONSTRUCTION CO. (Continued) **S104157154**

Error Code:	N
Valid:	False
Lat/Long:	36 0 39.96 80 33 1.98
Lat/Long Decimal:	36.011111 80.550556
Testlat:	Not reported
Regional Officer Project Mgr:	LME
Region:	Winston-Salem
Company:	SALEM CONSTRUCTION
Contact Person:	Not reported
Telephone:	Not reported
RP Address:	P O BOX 953
RP City,St,Zip:	LOUISVILLE, KY 40201
RP County:	Not reported
Comments:	CLOSURE REQUEST DENIED;8/31/00semi-annual monitoring requested;10/29/01rev'ed mon rpt-cant't close;4/30/02-rev'ed mon rpt;10/24/02-rev'ed mon rpt;11/4/09-sent fund resume norr;1/20/10-sent nrp norr:3/31/10-sent nrp nov (soil < res, >'er s-to-gw, gw >'er 2L <gross); 7/13/10-sent nrp-nfa (after get pub not can give final closure);
5 Min Quad:	Not reported
Last Modified:	3/6/2000
Incident Phase:	**Follow Up**
NOV Issued:	2/15/2000
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ADVANCE	U001194426	MCCULLOHS CURB MARKET	ROUTE 1, BOX 2	27006	UST
ADVANCE	S109504152	WILCO #276	5427 HWY 158	27006	LUST
ADVANCE	U003144199	BY-LO 1	5322 HWY 158 & 801	27006	UST
ADVANCE	S105766913	MILLER PROPERTY, L.J. - B	5323 HWY 158	27006	LUST
ADVANCE	S104157290	MILLER PROPERTY(L.J.)	5323 HIGHWAY 158		IMD
ADVANCE	1009217706	K & R CLEANERS INC	5289 HWY 158	27006	RCRA-NonGen
ADVANCE	S105766912	MILLER PROPERTY, L.J.	5323 HWY 158/801	27006	LUST
ADVANCE	S105119698	R.J. REYNOLDS TOBACCO CO.	SR 1630		IMD
ADVANCE	A100186919	DAVIE OIL CO. INC. (W TERMINAL)	RT. 2	27006	AST
ADVANCE	A100186920	DAVIE OIL CO. INC. (E TERMINAL)	RT. 2	27006	AST
ADVANCE	U003562454	FORK EXXON	ROUTE 2	27006	IMD, UST
ADVANCE	U003562505	S & G INVESTMENT. INC.	ROUTE 2	27006	UST
ADVANCE	U001202360	FOREST LAKE PRESERVE	HWY 64 W, RT. 2, BOX 395-A	27006	UST
ADVANCE	1004744310	KEITH'S AUTO RESTORATION	HWY 64	27006	RCRA-CESQG, FINDS
ADVANCE	U003091683	L & S GROCERY	1878 HWY 801 SOUTH	27006	UST
ADVANCE	U003135297	ADVANCE COUNTRY STORE	1995 HWY 801 S	27006	UST
ADVANCE	S105766633	TAR HEEL BANANA CO.	HIGHWAY 801	27006	LUST
ADVANCE	U003295517	TAR HEEL BANANA CO.. INC.	HWY 801	27006	UST
ADVANCE	1004746184	THE ANTIQUE WORKSHOP INC	HWY 801 & PEOPLES CREEK RD	27006	RCRA-CESQG, FINDS
ADVANCE	S105219553	L.J. MILLER PROPERTY	5323 NC HIGHWAY 158		LUST TRUST
ADVANCE	U001193378	MAC'S FOODS	HIGHWAYS 158 AT 801	27006	LUST, UST
ADVANCE	S109837171	HANNER PROPERTY, KIM	154 NC HWY 801 S	27006	LUST, LUST TRUST
ADVANCE	U003698199	4 BROTHERS FOOD STORE 310	117 NC HWY 801 N	27006	UST
ADVANCE	1004746795	B&R AUTOMOTIVE	4283 US HWY 64E	27006	RCRA-CESQG, FINDS
ADVANCE	S107405356	NORTHWEST PROPERTY GROUP	INTERSECTION OF US HIGHWAY 158		IMD
ADVANCE	S105766427	R. J. REYNOLDS - DAVIE	S R 1630	27006	LUST
BERMUDA RUN	U004155454	LOWES FUEL CANOPY	N NC HWY 801	27006	UST
DAVIE COUNTY	S105703164	YADKIN VALLEY TELEPHONE OIL SP	3301 US HIGHWAY 66 EAST		IMD
DAVIE COUNTY	M300001294	VULCAN MATERIALS CO.	SMITH GROVE QUARRY (#158)		MINES
MOCKSVILLE	S101167787	MCCULLOH'S GROCERY	HWY 801 / 158	27006	IMD, LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 10/01/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 09/02/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 19

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 10/01/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 05/25/2010
Date Data Arrived at EDR: 06/02/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 124

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/20/2009
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/20/2009
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/09/2010
Date Data Arrived at EDR: 07/09/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 39

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/06/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 04/06/2006
Date Data Arrived at EDR: 02/28/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 44

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-754-6580
Last EDR Contact: 11/10/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Biennially

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/08/2010
Date Data Arrived at EDR: 07/12/2010
Date Made Active in Reports: 08/05/2010
Number of Days to Update: 24

Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
Last EDR Contact: 10/04/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: List of Solid Waste Facilities
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/09/2010
Date Data Arrived at EDR: 07/09/2010
Date Made Active in Reports: 08/05/2010
Number of Days to Update: 27

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Semi-Annually

OLI: Old Landfill Inventory
Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 07/08/2010
Date Data Arrived at EDR: 07/12/2010
Date Made Active in Reports: 08/05/2010
Number of Days to Update: 24

Source: Department of Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 10/14/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Regional UST Database
This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 07/30/2010
Date Data Arrived at EDR: 08/17/2010
Date Made Active in Reports: 09/27/2010
Number of Days to Update: 41

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 08/17/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

LUST TRUST: State Trust Fund Database
This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 07/16/2010
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/05/2010
Number of Days to Update: 14

Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Last EDR Contact: 10/20/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 08/30/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/24/2010
Date Data Arrived at EDR: 05/27/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 74

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/02/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Petroleum Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/30/2010
Date Data Arrived at EDR: 08/17/2010
Date Made Active in Reports: 09/27/2010
Number of Days to Update: 41

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 05/18/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

AST: AST Database
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 07/07/2010
Date Data Arrived at EDR: 07/07/2010
Date Made Active in Reports: 08/05/2010
Number of Days to Update: 29

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/24/2010
Date Data Arrived at EDR: 05/27/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 74

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/02/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/30/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/03/2010
Date Data Arrived at EDR: 08/04/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 61

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/29/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring
A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 06/29/2010
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 08/05/2010
Number of Days to Update: 30

Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
Last EDR Contact: 10/04/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites
Responsible Party Voluntary Action site locations.

Date of Government Version: 06/29/2010
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 08/05/2010
Number of Days to Update: 30

Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 10/04/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/04/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Projects Inventory
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liabitliy control.

Date of Government Version: 09/30/2009
Date Data Arrived at EDR: 07/21/2010
Date Made Active in Reports: 08/05/2010
Number of Days to Update: 15

Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/29/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Varies

HIST LF: Solid Waste Facility Listing
A listing of solid waste facilities.

Date of Government Version: 11/06/2006
Date Data Arrived at EDR: 02/13/2007
Date Made Active in Reports: 03/02/2007
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: Quarterly

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/07/2010
Date Data Arrived at EDR: 06/18/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 60

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 10/29/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/06/2010
Date Data Arrived at EDR: 05/11/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 09/08/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/06/2010
Date Data Arrived at EDR: 04/07/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 50

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 10/07/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/30/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 62

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/14/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/11/2010
Date Data Arrived at EDR: 04/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 28

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/04/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/01/2010
Date Data Arrived at EDR: 06/16/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 62

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/15/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 12/14/2009
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 5

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/01/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/07/2010
Date Data Arrived at EDR: 06/09/2010
Date Made Active in Reports: 08/30/2010
Number of Days to Update: 82

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/09/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 36

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/01/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/01/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/30/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/30/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 04/24/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 02/01/2010
Date Data Arrived at EDR: 04/22/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 109

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 11/10/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/13/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/14/2010
Next Scheduled EDR Contact: 01/24/2011
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 09/15/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 05/12/2010
Number of Days to Update: 76

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/24/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Biennially

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006
Date Data Arrived at EDR: 08/01/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 22

Source: Department of Environment and Natural Resources
Telephone: 919-733-3221
Last EDR Contact: 10/15/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Quarterly

UIC: Underground Injection Wells Listing

A listing of uncerground injection wells locations.

Date of Government Version: 08/24/2010
Date Data Arrived at EDR: 08/27/2010
Date Made Active in Reports: 09/27/2010
Number of Days to Update: 31

Source: Department of Environment & Natural Resources
Telephone: 919-733-3221
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites

Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 07/08/2010
Date Made Active in Reports: 08/05/2010
Number of Days to Update: 28

Source: Department of Environment & Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 09/30/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing

General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 08/23/2010
Date Data Arrived at EDR: 08/24/2010
Date Made Active in Reports: 09/27/2010
Number of Days to Update: 34

Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 11/08/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 05/12/2010
Date Data Arrived at EDR: 05/13/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 10/25/2010
Next Scheduled EDR Contact: 02/07/2011
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/10/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009
Date Data Arrived at EDR: 12/18/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/15/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/04/2009
Date Made Active in Reports: 08/17/2009
Number of Days to Update: 13

Source: Department of Environment & Natural Resources
Telephone: 919-807-6359
Last EDR Contact: 11/08/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/25/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/19/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/28/2010
Date Data Arrived at EDR: 08/11/2010
Date Made Active in Reports: 09/24/2010
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 08/23/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 38

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/30/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/20/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-2090

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TANGLEWOOD CROSSING
5273 HIGHWAY 158
ADVANCE, NC 27006

TARGET PROPERTY COORDINATES

Latitude (North):	36.00500 - 36˚ 0’ 18.0’’
Longitude (West):	80.4422 - 80˚ 26’ 31.9’’
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	550271.4
UTM Y (Meters):	3984446.5
Elevation:	790 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	36080-A4 CLEMMONS, NC
Most Recent Revision:	1994
South Map:	35080-H4 ADVANCE, NC
Most Recent Revision:	1987

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

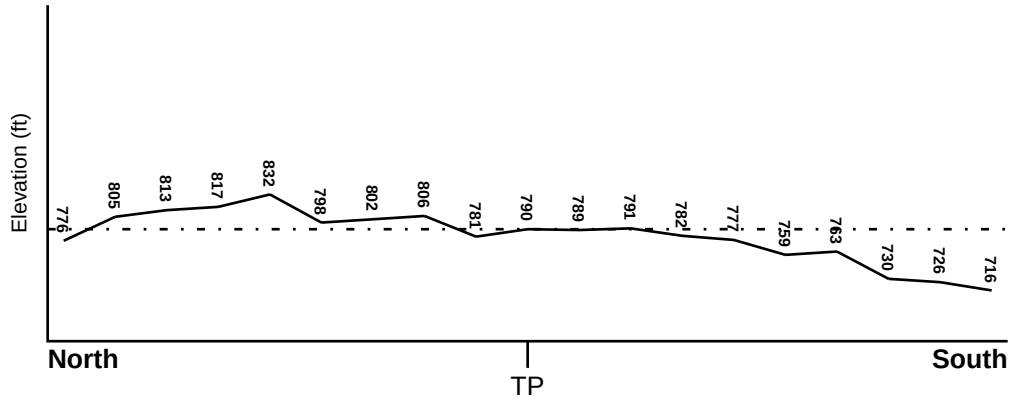
TOPOGRAPHIC INFORMATION

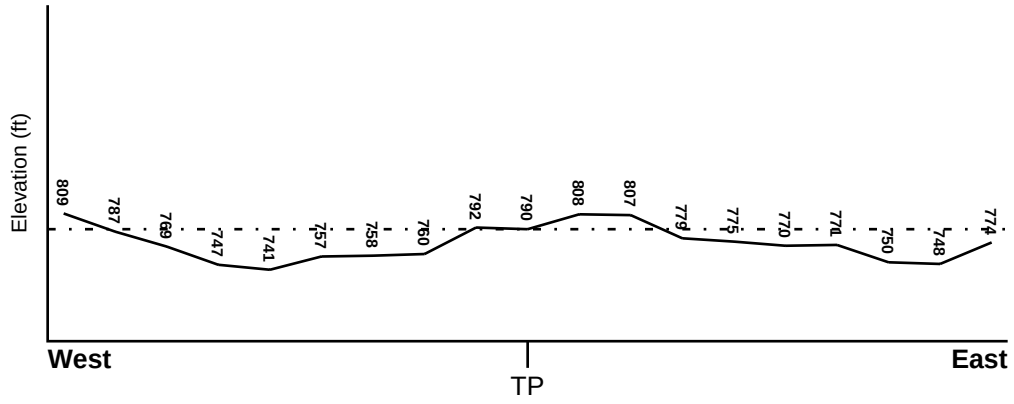
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 790 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
DAVIE, NC	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 37059C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CLEMMONS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Mississippian
Series:	Paleozoic mafic intrusives
Code:	Pzmi *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	CECIL
Soil Surface Texture:	sandy clay loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	7 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 4.50
2	7 inches	11 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
3	11 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
4	50 inches	75 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
loam
clay loam
silt loam
very channery - silt loam
gravelly - sandy loam

Surficial Soil Types: sandy loam
loam
clay loam
silt loam
very channery - silt loam
gravelly - sandy loam

Shallow Soil Types: sandy clay
silt loam
silty clay loam
clay
very channery - silt loam
loam

Deeper Soil Types: silty clay loam
weathered bedrock
fine sandy loam
unweathered bedrock
sandy clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

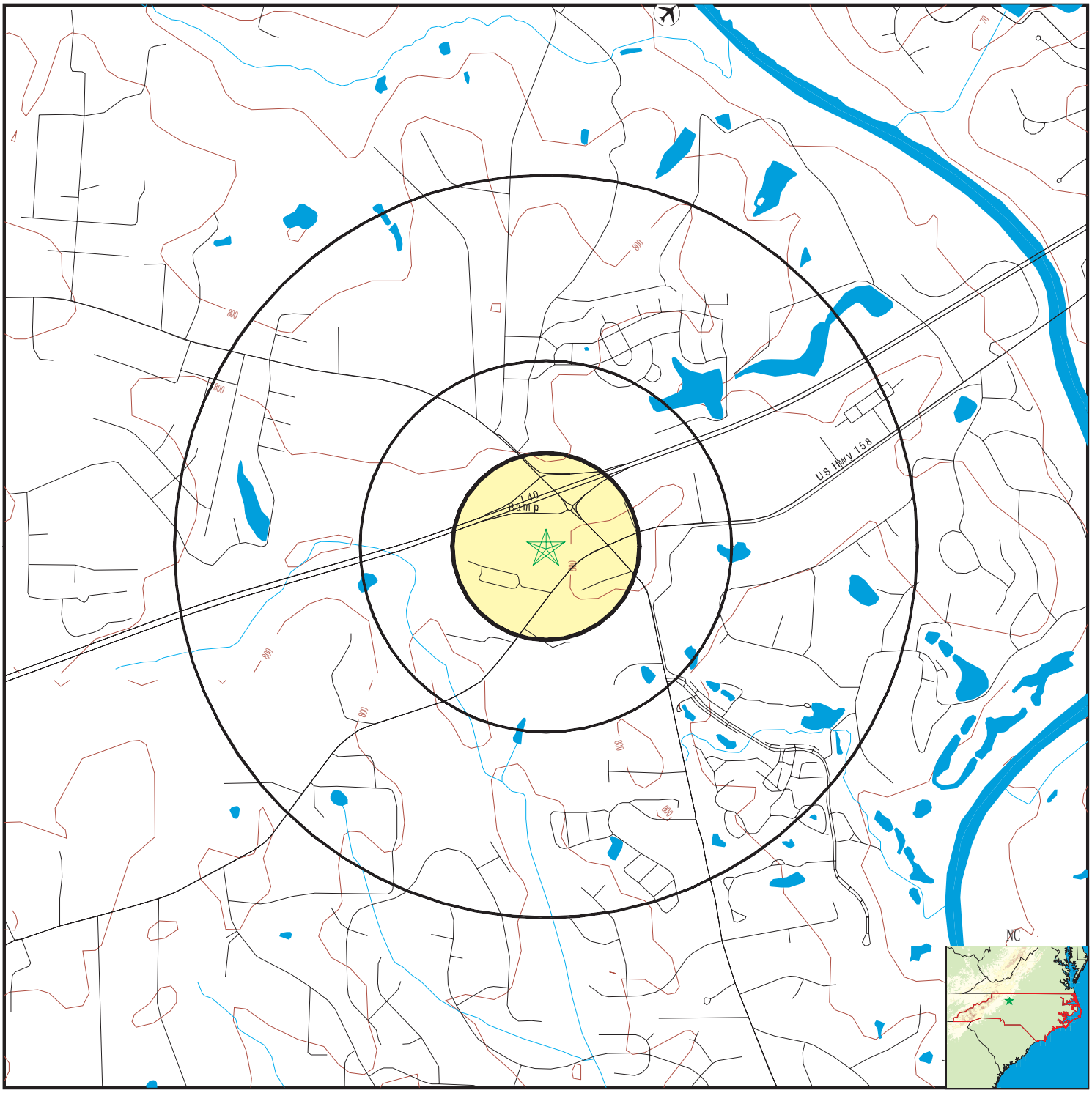
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 2921401.1s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME: Tanglewood Crossing ADDRESS: 5273 Highway 158 Advance NC 27006 LAT/LONG: 36.0050 / 80.4422	CLIENT: EnviroAssessments, PLLC CONTACT: Amanda Petoskey INQUIRY #: 2921401.1s DATE: November 15, 2010 2:04 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NC Radon

Radon Test Results

Num Results	Avg pCi/L	Min pCi/L	Max pCi/L
1	2.10	2.1	2.1
3	1.30	0.3	3.3
1	1.50	1.5	1.5

Federal EPA Radon Zone for DAVIE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27006

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-2090

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or hight quality natural communities, or other important ecological features.

NC Game Lands: Wildlife Resources Commission Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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APPENDIX 2

EA'S DECEMBER 29, 2009 PHASE I ESA (TEXT ONLY)

BB&T ESA093270
BB&T Acct. Name: Tanglewood Crossing

Phase I Environmental Site Assessment

TANGLEWOOD CROSSING

5273 Highway 158
Advance, Davie County, North Carolina

Prepared for:

Ms. Amy Rudegeair
BB&T Environmental Risk Officer
Branch Banking & Trust Company
5130 Parkway Plaza Boulevard
Charlotte, North Carolina 28217
(704) 954-1715

Prepared by:

EnviroAssessments
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Charlotte, North Carolina 28270
EA Project No. 09-8176.1
(704) 846-8853

December 29, 2009

I certify that this report and all attachments were prepared under my direction in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Amanda Petoskey
Environmental Scientist

Albert Frommel, L.G.
Senior Project Manager/Licensed Geologist

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1.0 EXECUTIVE SUMMARY

EnviroAssessments (EA) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527-05 of the Tanglewood Crossing property (the "Project") located at 5273, 5275, 5277, 5279, 5281, 5283, 5285, 5287 and 5289 Highway 158 in Advance, Davie County, North Carolina.

The Project consists of one irregular-shaped parcel of land totaling approximately 8.27 acres recorded as Parcel Identification Number 5872336902 according to the Davie County Tax Assessor's Office. The Project currently operates as a commercial retail shopping center. The Project is improved with two single-story structures consisting of concrete slab-on-grade foundations, concrete block walls with brick veneer exterior and flat roofs. Building 1 was constructed in 1997 and Building 2 was constructed in 2004. Building 1 contains approximately 59,143 square feet and contains the following six tenant spaces: Town & Country, Radio Shack, Jimmy the Greek Restaurant, Food Lion, ABC Store and one vacant tenant space. Building 2 contains approximately 9,775 square feet and contains the following three tenant spaces: Venezia Italian Family restaurant, Mr. Yang Bistro Chinese Restaurant (currently being remodeled), and Movie Gallery. Interior finishes consist of concrete floors, vinyl tile flooring, ceramic tile flooring and carpet, painted CMU walls, painted drywall, and acoustic ceiling tiles. The remainder of the Project exists as asphalt parking/drive areas and landscaped areas. The Project is accessible via NC Highway 801 to the northeast and US Highway 158 to the southeast. EA personnel did not observe any water supply wells or groundwater monitoring wells on the Project. Historical information researched during this ESA indicates that the Building 1 current improvements at the Project were constructed in 1997, prior to which the Project appears to have existed as undeveloped or agricultural land since at least 1936.

The ASTM E-1527-05 Practice defines "recognized environmental conditions" (RECs) as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property." RECs pose a potential to adversely-affect environmental conditions at a site, and RECs may represent a potential financial liability to property owners, purchasers and lenders in that local, state and/or federal requirements to address the RECs may be expensive and time-consuming. Additionally, the presence of RECs may adversely affect the "marketability" and "financeability" of the property.

The ESA revealed no evidence of recognized environmental conditions in connection with the Project, except for the following:

- 4 Brothers Food Store 310, an active gasoline filling station located at 117 NC Highway 801 North, is identified on the registered UST database. The EDR report listed this site in the Orphan Summary. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists one 10,000-gallon gasoline and one 12,000-gallon gasoline USTs currently in operation at this site (Facility ID # 0-035925). The USTs were reportedly installed on January 20, 1999. According to the State's UST

registration database, the USTs appear to have been constructed in compliance with current federal and state regulations regarding corrosion protection, spill/overfill prevention and leak detection. State regulatory files revealed no documented petroleum releases associated with the current USTs. Based on its proximity to the Project, topographic relation, and the estimated groundwater flow direction; a potential exists that undocumented releases from this site have impacted the Project.

- 801 Shell Service, a former gasoline filling station (currently vacant) located at 136 NC Highway 801 North, is identified on the registered UST database, IMD database, LUST database and LUST TRUST database (Incident # 30557). The EDR report incorrectly identified this site as located 672 feet to the east-northeast of the Project. This site is located on the adjacent property to the east-northeast beyond NC Highway 801 approximately 70 feet and topographically upgradient relative to the Project. The NCDENR UST registration database lists seven USTs which were formerly in operation at this site (Facility ID # 0-012847). According to the report two 10,000-gallon gasoline USTs were reportedly installed on June 5, 1967 and removed on January 7, 1989; one 550-gallon oil UST was reportedly installed on May 5, 1968 and removed on January 10, 1988; and one 6,000-gallon gasoline UST was reportedly installed on May 5, 1970 and removed on January 10, 1988. In addition, one 8,000-gallon gasoline UST and two 10,000-gallon gasoline USTs were installed on September 22, 1989 and removed on August 16, 2007. A petroleum release incident reportedly occurred at the site on February 28, 2005 during a DOT investigation. Groundwater and soil contamination were reported.

  EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office on December 15, 2009. EA personnel reviewed an Initial Abatement Action Report for the site, prepared by Terraquest and dated September 26, 2008. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by General Engineering and Environmental of NC, Inc. (GEL) on February 25, 2005. The investigation was performed due to NC Department of Transportation (NCDOT) construction plans in the right of way which encroached onto the 801 Shell Service site. Information was reported to NCDENR-UST section who subsequently issued a Notice of Regulatory Requirements (NORR) directing a *Site Check* be completed to assess the petroleum release from the UST systems. In July and August of 2005, Terraquest initiated the *Site Check* by collecting soil samples in the area of the former and current UST systems and installing three monitoring wells (MW-1 through MW-3) in the area of the current UST system and dispenser islands. The *Site Check Report* was submitted to NCDENR on August 5, 2005. The report identified several petroleum constituents at levels exceeding the NC 2L standards in MW-1 and MW-2 at the site, therefore Terraquest conducted a *Limited Site Assessment (LSA)* to determine the risk classification of the site. Three additional groundwater monitoring wells (MW-4 through MW-6) were installed at the site. The *LSA Report* was submitted to NCDENR on January 26, 2006. The report indicated the presence of one potable water supply well located approximately 360 feet from the site and identified several petroleum constituents at levels exceeding the NC 2L standards in MW-4 and MW-5 at the site, therefore NCDENR assigned the

site a priority rank of high risk. The NCDOT purchased the right of way to part of the property which included the UST system, as part of the road improvement project. On August 16, 2007, GEL supervised the removal of the UST system, piping and dispensers. The UST Closure Report dated October 22, 2007 indicated the presence of petroleum constituents in excess of Soil to Groundwater MSCCs in two soil samples collected from beneath one of the dispenser islands. Terraquest supervised the excavation of contaminated soil in the vicinity of the former dispenser island on September 4, 2008 following a Notice of Violation from NCDENR dated August 1, 2008. Approximately 10.95 tons of contaminated soil was excavated and properly disposed of offsite. Confirmation soil samples from the excavation pit did not reveal petroleum constituents in excess of the state standards. The Initial Abatement Action Report concluded that the primary source of contamination at the site is believed to be the former UST system (one 8,000-gallon and two 10,000-gallon gasoline USTs). Terraquest recommended abandoning the nearby potable water supply well or connecting the property to the municipal water supply to reduce the risk ranking for the site, allowing the site to be closed using a Notice of Residual Petroleum (NRP).

EA personnel reviewed a Well Abandonment Record letter for the site, prepared by Terraquest and dated December 9, 2009. The well abandonment record was attached with the letter indicating that the well located at 136 Highway 801 North was abandoned on November 23, 2009. EA personnel inquired with Ms. Linda Estkowski at the NC DENR WSRO regarding the site. According to Ms. Estkowski, following the well abandonment the site is ranked as an Intermediate risk and is in the process of closure. Based on relative topography and the determined groundwater flow direction towards the Project, a potential exists that subsequent undocumented release(s) have impacted the Project's soil and groundwater quality.

- Mac's Foods, a former gasoline filling station (current location of 4 Brother's Food Store) located at Highway 158 / 801, is identified on the registered UST database, IMD database and LUST database (Incident # 13698). The EDR report incorrectly identified this site as located 918 feet to the east of the Project. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists three USTs which were formerly in operation at this site (Facility ID # 0-011552). According to the report one 10,000-gallon and two 6,000-gallon gasoline USTs were reportedly installed on January 8, 1973 and removed on October 19, 1994. A petroleum release incident was reported at the site on October 27, 1994 following the UST removals. Groundwater and soil contamination were reported.

  EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office on December 15, 2009. EA personnel reviewed a Geophysical Survey and Preliminary Site Assessment Report for the site, prepared by General Engineering and Environmental of NC, Inc. (GEL) and dated March 28, 2005. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by Geotechnologies, Inc. in 1995. The investigation was performed due to NCDOT construction plans to reconstruct the bridge and interchange area near the intersection of Interstate

40 and NC 801 North. The NCDOT wanted to assess the property to evaluate the extent (if any) of soil and/or groundwater contamination related to the operation of the former gas station previously located onsite and the current gas station located onsite within the proposed NCDOT right-of-way, and the impact (if any) of this operation on the proposed road improvements. In 1998, SEI Environmental, Inc. performed a Phase I Limited Site Assessment (*LSA*) at the site. The results of the LSA indicated onsite soil and groundwater contamination from petroleum hydrocarbons at levels exceeding the state standards. At that time SEI indicated that the site was a high priority based on the LSA analytical results and the presence of three potable water supply wells in the area. The three water supply wells were reportedly abandoned by 2004. On February 23, 2005, GEL collected soil samples in the area of the proposed NCDOT right-of-way and the area of former USTs. GEL returned to the site on February 25, 2005 to collect groundwater samples from two existing groundwater monitoring wells and one temporary monitoring well. GEL concluded that the composite soil samples collected did not contain petroleum constituents which exceeded their respective action levels. Petroleum constituents were detected at concentrations exceeding the NCDENR 2L Groundwater Quality Standards in the groundwater samples collected. The analytical results indicate that groundwater contamination currently exists at the site, which is most likely due to a release of petroleum from the former USTs that were removed in 1994.

The NCDENR issued a Notice of No Further Action (NFA) on June 9, 2009 after reviewing the Notice of Residual Petroleum (NRP), received on June 8, 2009. The review of the NRP indicated that soil contamination at the site exceeds the residential MSCCs and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination have impacted the Project's soil and/or groundwater.

In addition, the following item of note was identified:

- Data gaps were identified in the historical research for the Project. Historical information regarding the Project's use was not available between 1936 and 1955, between 1955 and 1966, between 1966 and 1981, and between 1981 and 1998. In accordance with ASTM 1527-05 guidelines, these constitute data gaps, as historical research was unavailable for more than ten year time periods. These gaps were caused by a lack of readily ascertainable historical resources. Available historical resources indicate the current improvements were constructed in 1997, prior to which the Project existed as undeveloped or agricultural land since at least 1936. Based on the undeveloped or agricultural nature of the Project from at least 1936 to 1997 and the use of the Project from 1997 to the present as a commercial retail shopping center, these data gaps are not anticipated to impact the findings of this report.

Based on the findings of this ESA, EA recommends the following:

- Completion of a Phase II Environmental Site Assessment (ESA) to include the collection, field screening and laboratory analysis of soil and/or groundwater samples from the northeastern and eastern portions of the Project in order to determine potential impact to the Project from the adjacent former and current gasoline filling stations. **A cost proposal to complete the recommendations will be submitted to the Client under separate cover.**

EA's conclusions and recommendations are summarized in the following table.

Issue	Future or Potential Issue Identified? (Y/N)	REC/ Further Action Required? (Y/N)	Recommendation	Estimated Cost
Facility Operations	N	N		
USTs/ASTs	N	N		
Septic System	N	N		
Drains/Drywells	N	N		
Stains	N	N		
PCBs	N	N		
Asbestos	N	N		
Radon	N	N		
Lead-based paint	N	N		
Lead in drinking water	N	N		
Wetlands	N	N		
Adjoining Properties	Y	Y	Phase II Investigation	$6,500 - $8,500
Historical Use	N	N		
Regulatory Review	N	N		
Other (specify)	N	N		

2.0 INTRODUCTION

2.1 Purpose and Scope of Services

The purpose of this Phase I Environmental Site Assessment (ESA) is to evaluate the property with respect to the range of contaminants within the scope of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and petroleum products. The ESA was conducted in substantial compliance with ASTM Designation: E 1527-05 - *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* The intention of the ASTM E 1527-05 practice is "to permit a user to satisfy one of the requirements to qualify for the *innocent landowner defense* to CERCLA liability: that is, the practices that constitute 'all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice' as defined in 42 USC 9601(35) (B)." Specifically, this Phase I ESA included the following scope of services:

> *(A) Site and Vicinity Reconnaissance* - EA conducted a site and vicinity reconnaissance, the objective of which was to obtain information indicating the likelihood of the existence of "recognized environmental conditions" in connection with the subject property, as defined in ASTM E-1527-05. EA's site and vicinity reconnaissance included an evaluation of the site and nearby properties with respect to existing conditions and with respect to obvious indications and evidence of past conditions.
>
> *(B) Records Review* - EA conducted a records review, the objective of which was to obtain and review records (of both current and historical significance) in order to help identify "recognized environmental conditions" in connection with the subject property. Those specific records reviewed, including those records which were sought and were not readily available or reasonably ascertainable, are identified in the report.
>
> *(C) Interviews* – EA conducted interviews with persons associated with the subject property and with appropriate local government officials in order to identify "recognized environmental conditions" in connection with the subject property.

2.2 Limitations and Exceptions of Assessment

This investigation is site-specific in that it relates to assessment of environmental conditions on the specific subject parcel of commercial real estate. This assessment does not address many additional issues raised in transactions such as purchases of business entities, or interests therein, or of their assets, that may well involve environmental liabilities pertaining to properties previously owned or operated or other off-site environmental liabilities.

As stipulated by the ASTM E-1527 Process, this ESA does not formally address certain non-scope issues including, but not limited to the following:

Asbestos-containing Materials
Mold Growth in Structures
Radon
Lead-based Paint
Lead in Drinking Water
Wetlands
Cultural and Historic Resources
Industrial Hygiene
Health and Safety
Ecological Resources
Endangered Species
Indoor Air Quality
High Voltage Power Lines
Underground Mine Shafts.

However, several of these issues are considered common to this particular type of property. Therefore, as part of this screen, at the request of the Client, EA has performed cursory visual inspections for the suspected presence of the following potential concerns, the findings of which are addressed in this report.

Asbestos-containing Materials (**Section 6.1.3.2**)
Mold Growth Issues (**Section 6.1.3.3**)
Lead-based Paint (**Section 6.1.3.4**)
Radon (**Section 6.1.4.9**)
Lead in Drinking Water (**6.1.4.10**)
Wetlands (**Section 6.1.4.11**)

2.3 Reliance

Branch Banking and Trust Company (BB&T) (the "Client") and BB&T's client, (collectively, the "Relying Parties") may rely on the contents of the ESA subject to the limitations placed on the scope, nature and type of EA's services as stated in the ESA and subject to those Terms and Conditions as stated in EA's contract with the Client. The Relying Parties are the only parties to whom EA grants the right to rely upon the ESA. No other third party may rely on the ESA unless the express written consent of EA is first obtained.

3.0 SITE SETTING

3.1 Site Location and General Description

The Project consists of one irregular-shaped parcel of land totaling approximately 8.27 acres recorded as Parcel Identification Number 5872336902 according to the Davie County Tax Assessor's Office. The Project currently operates as a commercial retail shopping center. The Project is improved with two single-story structures consisting of concrete slab-on-grade foundations, concrete block walls with brick veneer exterior and flat roofs. Building 1 was constructed in 1997 and Building 2 was constructed in 2004. Building 1 contains approximately 59,143 square feet and contains the following six tenant spaces: Town & Country, Radio Shack, Jimmy the Greek Restaurant, Food Lion, ABC Store and one vacant tenant space. Building 2 contains approximately 9,775 square feet and contains the following three tenant spaces: Venezia Italian Family restaurant, Mr. Yang Bistro Chinese Restaurant (currently being remodeled) and Movie Gallery. Interior finishes consist of concrete floors, vinyl tile flooring, ceramic tile flooring and carpet, painted CMU walls, painted drywall, and acoustic ceiling tiles. The remainder of the Project exists as asphalt parking/drive areas and landscaped areas. The Project is accessible via NC Highway 801 to the northeast and US Highway 158 to the southeast. EA personnel did not observe any water supply wells or groundwater monitoring wells on the Project. Historical information researched during this ESA indicates that the Building 1 current improvements at the Project were constructed in 1997, prior to which the Project appears to have existed as undeveloped or agricultural land since at least 1936. A Site Location Map is attached as **Figure 1** and a Site Plan is attached as **Figure 2.**

3.2 Geologic and Hydrogeologic Setting

The geologic and hydrogeologic settings of a site are considered of interest since they may provide information related to the direction and physical mechanisms of contaminant migration, if present, from on-site and off-site sources. EA personnel have reviewed information from the following sources with regard to the geology and hydrogeology of the site and surrounding area:

- United States Geological Survey (USGS) Topographic Quadrangle Map of *Clemmons, North Carolina*, dated 1968 (Photorevised 1994) **(Figure 1)**;
- USDA *Web Soil Survey*, http://websoilsurvey.nrcs.usda.gov/app/, dated 2009;
- *Geologic Map of North Carolina*, North Carolina Geological Survey, 1985;
- *The EDR Radius Map Report*, Environmental Data Resources, Inc.; December 10, 2009 (**Appendix 1)**.

3.2.1 Geologic Setting

The Project is located in the Charlotte Belt of the Piedmont Physiographic Province of North Carolina, and is underlain primarily by metamorphosed granitic rock that is megacrystic, well-foliated and locally contains hornblende.

The general soil profile at the site consists primarily of two soil types: 1) Fairview sandy clay loam, with 2 to 8 percent slopes, moderately eroded; and 2) Tomlin clay loam, with 2 to 8 percent slopes, moderately eroded.

The Fairview sandy clay loam is a well-drained soil typically found on convex interfluves. The soil has a depth of 80 inches, a moderate permeability and a mild acidic soil reaction.

The Tomlin clay loam is a well-drained soil typically found on convex interfluves. The soil has a depth of 80 inches, a moderate permeability and a slightly acid soil reaction.

3.2.2 Surface Drainage

According to the USGS Topographic Quadrangle Map of *Clemmons, North Carolina* (**Figure 1)**, the Project is located approximately 800 feet above mean sea level (MSL). The topographic map indicates that the Project slopes generally to the west-southwest. In the absence of any other obvious significant structural or geomorphic drainage features, surface drainage is suspected to be influenced primarily by the surface topography.

3.2.3 Groundwater

Groundwater generally occurs as a result of infiltration of both meteoric and surface water through the relatively permeable overburden. Fractures, joints, bedding planes and other discontinuities in the underlying rock can affect the groundwater conditions. Site-specific groundwater flow may also be influenced by the proximity of nearby drainage features, sinkholes, creeks, swamps, and pumped groundwater wells. Groundwater levels and flow directions are typically site specific. Based on the topographic map of the Project, the general groundwater flow direction at the Project is to the west-southwest towards Smith Creek. The topography and hydrology in the site vicinity are variable and several local components of groundwater flow may exist.

4.0 USER PROVIDED INFORMATION

Pursuant to ASTM E 1527-05, EA requested the following site information from the Client. The site contact assigned by the Client was Mr. Jeffrey Harrison, with J.B. Harrison Properties, LLC. Mr. Harrison provided site access and some of the user provided information discussed in this report.

4.1 Title Records

No Title Records were provided to EA by the Client or the Project contact. Refer to **Section 5.3** for a discussion of deed research performed by EA personnel.

4.2 Environmental Liens or Activity and Use Limitations

The Project contact was not aware of any environmental liens associated with the Project, nor did he have any knowledge of any activity or use limitations regarding the Project. No information regarding knowledge of environmental liens or activity and use limitations for the Project was provided to EA by the Client or the Project contact. In accordance with ASTM 1527-05 guidelines, this constitutes a data gap, as the User did not conduct a search for environmental liens or activity and use limitations for the Project; however, EA conducted a search for environmental liens and use limitations in conjunction with deed research. Refer to **Section 5.3** for a discussion of deed, environmental lien and use limitation research performed by EA personnel.

4.3 Specialized Knowledge

EA was not provided with any specialized knowledge of commonly known environmental conditions associated with the Project by the Client or the Project contacts.

4.4 Commonly Known or Reasonably Ascertainable Information

EA was not provided with any specialized knowledge of commonly known environmental conditions associated with the Project by the Client or the Project contacts.

4.5 Valuation Reduction for Environmental Issues

EA was not provided with any knowledge of valuation reduction for environmental issues associated with the Project by the Client. EA inquired of the Project contacts regarding any knowledge of reductions in property value due to environmental issues. The Project contacts were not aware of any property valuation reductions associated with the Project.

4.6 Owner, Property Manager, and Occupant Information

The current owners of record of the Project are J.B. Harrison Properties, LLC. The Project currently operates as a commercial retail shopping center. Building 1 contains the following six tenant spaces: Town & Country, Radio Shack, Jimmy the Greek Restaurant, Food Lion, ABC Store and one vacant tenant space. Building 2 contains the following three tenant spaces: Venezia Italian Family restaurant, Mr. Yang Bistro Chinese Restaurant (currently being remodeled) and Movie Gallery.

4.7 Reason for Performing Phase I ESA

EA understands that the findings of this Phase I ESA will be used by the Client to evaluate the Project with respect to a pending financial transaction in connection with the Project. The purpose of a Phase I ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E-1527-05) in connection with the Project. This ESA was also performed to permit a user to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability.

5.0 RECORDS REVIEW

5.1 Environmental Regulatory Records

EA contracted Environmental Data Resources, Inc. (EDR) to conduct a computerized regulatory database search in accordance with ASTM E 1527-05 standards. The purpose of the search is to identify certain properties and facilities in the vicinity of the Project (including the Project, as applicable) which are regulated by the United States Environmental Protection Agency (EPA) and various state and local environmental regulatory agencies. Detailed information pertaining to each database researched is presented in the EDR report, dated December 10, 2009, a copy of which is included in **Appendix 1**.

5.1.1 On-site Regulatory Issues

The Project is identified in the EDR report Orphan Summary on the Resource Conservation and Recovery Act (RCRA) database. The Project listings are summarized as follows:

- The Project's 5289 Highway 158 address (referenced as K & R Cleaners, Inc., a dry cleaning facility) is identified in the EDR report on the RCRA-NonGen database. The RCRA database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste. Information in the RCRA database indicates that the Project (EPA ID Number NC0991302781) is a non-generator (NonGen) of hazardous waste. As a Non-Generator, the facility does not presently generate hazardous waste. In addition, state regulatory files revealed no documented violations associated with the facility operations. Furthermore, the Project is not identified on any database which reports spills or releases such as the National Priority List (NPL), State Hazardous Waste Sites (SHWS), Leaking Underground Storage Tank (LUST), or Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) databases. The EDR report did not identify environmental violations or enforcement actions regarding the Project. According to Mr. Harrison, this tenant space in Project Building 1 (which is currently vacant) formerly operated as a drycleaners drop off station only. No onsite dry-cleaning operations were conducted at the Project. This listing is not anticipated to have impacted the Project.

5.1.2 Off-site Regulatory Issues

The following sites were identified within 500 feet of the Project in the EDR report:

- 4 Brothers Food Store 310, an active gasoline filling station located at 117 NC Highway 801 North, is identified on the registered UST database. The EDR report listed this site in the Orphan Summary. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists one 10,000-gallon gasoline and one 12,000-gallon gasoline USTs currently in operation at this site (Facility ID # 0-035925). The USTs were reportedly installed on January 20, 1999. According to the State's UST registration database, the USTs appear to have been constructed in compliance with current federal and state regulations regarding corrosion protection, spill/overfill prevention and leak detection. State regulatory files revealed no documented petroleum releases associated with the current USTs. Based on its proximity to the Project, topographic relation, and the estimated groundwater flow direction; a potential exists that undocumented releases from this site have impacted the Project. Refer to **Section 8.4** for EA's recommendations.

- Quik-Pik Food Mart III, a former gasoline filling station (currently Wendy's) located at 147 NC Highway 801 North, is identified on the registered UST database. The EDR report incorrectly identified this site as located 856 feet to the north of the Project. This site is located on the adjacent property to the east-northeast and topographically upgradient relative to the Project. The NCDENR UST registration database lists ten USTs were formerly in operation at this site (Facility ID # 0-011990). According to the report four 6,000-gallon gasoline USTs and one 550-gallon oil UST were reportedly installed on October 5, 1970 and removed on December 31, 1988. In addition, one 2,000-gallon kerosene UST, one 6,000-gallon diesel UST and three 10,000-gallon gasoline USTs were installed on September 1, 1989 and removed on October 9, 2002. No documented petroleum releases associated with the former USTs were reported. EA personnel inquired with Ms. Linda Estkowski at the North Carolina Department of Environment and Natural Resources (NC DENR) Winston-Salem Regional Office (WSRO) regarding the site. According to Ms. Estkowski no releases are on file for the gasoline filling station. Ms. Estkowski informed EA that a closure report dated September 17, 2002 was submitted to their office and the site was closed out on September 18, 2002. According to Ms. Estkowski the file for this site has been archived. No further information was provided. Based on its current regulatory status and the removal of the potential contamination source, this site is not anticipated to have impacted the Project.

- 801 Shell Service, a former gasoline filling station (currently vacant) located at 136 NC Highway 801 North, is identified on the registered UST database, IMD database, LUST database and LUST TRUST database (Incident # 30557). The EDR report incorrectly identified this site as located 672 feet to the east-northeast of the Project. This site is located on the adjacent property to the east-northeast beyond NC Highway 801 approximately 70 feet and topographically upgradient relative to the Project. The NCDENR UST registration database lists seven USTs

which were formerly in operation at this site (Facility ID # 0-012847). According to the report two 10,000-gallon gasoline USTs were reportedly installed on June 5, 1967 and removed on January 7, 1989; one 550-gallon oil UST was reportedly installed on May 5, 1968 and removed on January 10, 1988; and one 6,000-gallon gasoline UST was reportedly installed on May 5, 1970 and removed on January 10, 1988. In addition, one 8,000-gallon gasoline UST and two 10,000-gallon gasoline USTs were installed on September 22, 1989 and removed on August 16, 2007. A petroleum release incident reportedly occurred at the site on February 28, 2005 during a DOT investigation. Groundwater and soil contamination were reported.

EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office on December 15, 2009. EA personnel reviewed an Initial Abatement Action Report for the site, prepared by Terraquest and dated September 26, 2008. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by General Engineering and Environmental of NC, Inc. (GEL) on February 25, 2005. The investigation was performed due to NC Department of Transportation (NCDOT) construction plans in the right of way which encroached onto the 801 Shell Service site. Information was reported to NCDENR-UST section who subsequently issued a Notice of Regulatory Requirements (NORR) directing a *Site Check* be completed to assess the petroleum release from the UST systems. In July and August of 2005, Terraquest initiated the *Site Check* by collecting soil samples in the area of the former and current UST systems and installing three monitoring wells (MW-1 through MW-3) in the area of the current UST system and dispenser islands. The *Site Check Report* was submitted to NCDENR on August 5, 2005. The report identified several petroleum constituents at levels exceeding the NC 2L standards in MW-1 and MW-2 at the site, therefore Terraquest conducted a *Limited Site Assessment (LSA)* to determine the risk classification of the site. Three additional groundwater monitoring wells (MW-4 through MW-6) were installed at the site. The *LSA Report* was submitted to NCDENR on January 26, 2006. The report indicated the presence of one potable water supply well located approximately 360 feet from the site and identified several petroleum constituents at levels exceeding the NC 2L standards in MW-4 and MW-5 at the site, therefore NCDENR assigned the site a priority rank of high risk. The NCDOT purchased the right of way to part of the property which included the UST system, as part of the road improvement project. On August 16, 2007, GEL supervised the removal of the UST system, piping and dispensers. The UST Closure Report dated October 22, 2007 indicated the presence of petroleum constituents in excess of Soil to Groundwater MSCCs in two soil samples collected from beneath one of the dispenser islands. Terraquest supervised the excavation of contaminated soil in the vicinity of the former dispenser island on September 4, 2008 following a Notice of Violation from NCDENR dated August 1, 2008. Approximately 10.95 tons of contaminated soil was excavated and properly disposed of offsite. Confirmation soil samples from the excavation pit did not reveal petroleum constituents in excess of the state standards. The Initial Abatement Action Report concluded that the primary source of contamination at the site is believed to be the former UST system (one 8,000-gallon and two 10,000-gallon gasoline USTs). Terraquest recommended abandoning the nearby potable

water supply well or connecting the property to the municipal water supply to reduce the risk ranking for the site, allowing the site to be closed using a Notice of Residual Petroleum (NRP).

EA personnel reviewed a Well Abandonment Record letter for the site, prepared by Terraquest and dated December 9, 2009. The well abandonment record was attached with the letter indicating that the well located at 136 Highway 801 North was abandoned on November 23, 2009. EA personnel inquired with Ms. Linda Estkowski at the NC DENR WSRO regarding the site. According to Ms. Estkowski, following the well abandonment the site is ranked as an Intermediate risk and is in the process of closure. Based on relative topography and the determined groundwater flow direction towards the Project, a potential exists that subsequent undocumented release(s) have impacted the Project's soil and groundwater quality. Refer to **Section 8.4** for EA's recommendations. Copies of pertinent documents are included in **Appendix 2**.

- Mac's Foods, a former gasoline filling station (current location of 4 Brother's Food Store) located at Highway 158 / 801, is identified on the registered UST database, IMD database and LUST database (Incident # 13698). The EDR report incorrectly identified this site as located 918 feet to the east of the Project. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists three USTs were formerly in operation at this site (Facility ID # 0-011552). According to the report one 10,000-gallon and two 6,000-gallon gasoline USTs were reportedly installed on January 8, 1973 and removed on October 19, 1994. A petroleum release incident was reported at the site on October 27, 1994 following the UST removals. Groundwater and soil contamination was reported.

  EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office on December 15, 2009. EA personnel reviewed a Geophysical Survey and Preliminary Site Assessment Report for the site, prepared by General Engineering and Environmental of NC, Inc. (GEL) and dated March 28, 2005. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by Geotechnologies, Inc. in 1995. The investigation was performed due to NCDOT construction plans to reconstruct the bridge and interchange area near the intersection of Interstate 40 and NC 801 North. The NCDOT wanted to assess the property to evaluate the extent (if any) of soil and/or groundwater contamination related to the operation of the former gas station previously located onsite and the current gas station located onsite within the proposed NCDOT right-of-way, and the impact (if any) of this operation on the proposed road improvements. In 1998, SEI Environmental, Inc. performed a Phase I Limited Site Assessment (*LSA*) at the site. The results of the LSA indicated onsite soil and groundwater contamination from petroleum hydrocarbons at levels exceeding the state standards. At that time SEI indicated that the site was a high priority based on the LSA analytical results and the presence of three potable water supply wells in the area. The three water supply wells were reportedly abandoned by 2004. On February 23, 2005, GEL collected soil samples in the area of the proposed NCDOT right-of-way

and the area of former USTs. GEL returned to the site on February 25, 2005 to collect groundwater samples from two existing groundwater monitoring wells and one temporary monitoring well. GEL concluded that the composite soil samples collected did not contain petroleum constituents which exceeded their respective action levels. Petroleum constituents were detected at concentrations exceeding the NCDENR 2L Groundwater Quality Standards in the groundwater samples collected. The analytical results indicate that groundwater contamination currently exists at the site, which is most likely due to a release of petroleum from the former USTs that were removed in 1994.

The NCDENR issued a Notice of No Further Action (NFA) on June 9, 2009 after reviewing the Notice of Residual Petroleum (NRP), received on June 8, 2009. The review of the NRP indicated that soil contamination at the site exceeds the residential MSCCs and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination have impacted the Project's soil and groundwater quality. Refer to **Section 8.4** for EA's recommendations. Copies of pertinent documents are included in **Appendix 2**.

- By-Lo #1, a former gasoline filling station (current location of Walgreen's) located at 5322 US Highway 158, is identified on the IMD database, LUST database and LUST TRUST database (Incident # 30771). The EDR report incorrectly identified this site as located 978 feet to the east of the Project. This site is located approximately 470 feet to the east and topographically upgradient relative to the Project. A petroleum release incident was reported at the site on April 11, 2006. Groundwater and soil contamination were reported.

  EA personnel reviewed an *Active Remediation Monitoring Report (Post- MMPE #4)* for the site, prepared by ECS Carolinas, LLP and dated July 3, 2007. Information from this report indicates that a petroleum release was reported at this site following a Phase II ESA conducted by ECS as part of a real estate transaction. Subsequent to the findings from the Phase II ESA, ECS provided UST closure services and submitted the UST Closure Report (dated September 27, 2006) which detailed the closure by removal from the ground of three 10,000-gallon gasoline USTs, one 8,000-gallon diesel UST, one 4,000-gallon kerosene UST and one 2,000-gallon No. 2 fuel oil UST. Based on the findings of the UST Closure Report, ECS proceeded with a Phase II LSA and several mobile multi-phase extraction (MMPE) events. The field activities consisting of the fourth MMPE event followed by the collection of groundwater samples from six existing monitoring wells were performed on May 21 through June 4 and 7, 2007. Laboratory analytical results indicated that target analytes were detected in groundwater samples MW-4 and MW-5 at concentrations that exceed the NC 2L Standards and target analytes were detected in groundwater samples MW-1, MW-2, MW-3 and MW-6 at concentrations that exceed the GCLs. Based on the abandonment of four off-site water supply wells within 1,000 feet of the source area, but the groundwater contamination at the site exceeds the GCLs ECS recommended the risk classification be lowered to intermediate.

According to a letter dated August 8, 2007 NCDENR assigned the site a priority rank of intermediate risk. EA personnel inquired with Ms. Linda Estkowski at the NC DENR WSRO regarding the site. According to Ms. Estkowski, since the site is ranked as an Intermediate risk no further work is required for the time being. Based on its distance from the Project, relative topography, the determined groundwater flow direction, and its current regulatory status, this site is not anticipated to have impacted the Project.

The EDR report did not identify any other sites within 500 feet of the Project. The remaining sites identified in the EDR report are not anticipated to have impacted the Project, based on factors such as distance, relative topography, and estimated groundwater flow direction. No other sites listed in the EDR report's Orphan Summary were identified within one half mile of the Project. No other off-site regulatory issues with the potential to impact the Project were identified.

5.2 Review of Prior Environmental Investigative Reports

EA received and reviewed a prior environmental investigative report pertaining to the Project and provided by the site contact. The report is summarized below.

- *Phase I Environmental Site Assessment* by Boyle Consulting Engineers, PLLC (BCE) dated November 1995

  On November 20, 1995 BCE personnel performed a visual reconnaissance of the property. At the time of the site visit the Project was undeveloped agricultural land. No potential environmental concerns were noted regarding the Project. BCE noted in the surrounding property section that there was currently a Chevron gasoline station and a former Mac Food's gasoline filling station adjacent to the east. BCE stated that the adjacent UST basins (existing and former) are not a part of the same drainage basin as the Project and is not considered upgradient of the Project. No further investigation of the Project was recommended by BCE.

EA personnel did not receive or review any other prior environmental investigative reports. A copy of the prior report is included in **Appendix 2**.

5.3 Site Historical Use Records and Sources

EA reviewed information provided by the following historical sources to evaluate past uses of the Project site and surrounding properties: historical aerial photographs, topographic maps, and property deeds. Copies of documents corresponding to the historical sources are included in **Appendix 3**.

5.3.1 Aerial Photographs

Aerial photographs for 1936, 1955, 1966 and 1981 were reviewed at the Davie County Soil and Water Conservation District (SWCD) Office in Mocksville, North Carolina. Aerial photograph dated 1998 was obtained from the Microsoft Terraserver website. Aerial photograph dated 2007 was obtained from the Davie County Geographic Information Systems (GIS) website.

Review of the 1936 aerial photograph indicated the following:

- Project: The Project is depicted as undeveloped or agricultural land.
- Off-site: The areas to the north, south and west of the Project are depicted as undeveloped or agricultural land. Limited residential or commercial development is depicted adjacent to the east. A road currently known as US Highway 158 is depicted adjacent to the southeast of the Project, beyond which is agricultural land with limited residential improvements. A road currently known as NC Highway 801 is depicted adjacent to the northeast of the Project, beyond which is agricultural land.

The 1955 aerial photograph does not appear to differ significantly from the 1936 aerial photograph.

The 1966 aerial photograph appears to differ from the 1955 aerial photograph as follows:

- Off-site: Interstate 40 is depicted adjacent to the north of the Project. Commercial properties are depicted adjacent to the northeast, east, south and beyond US Highway 158.

The 1981 aerial photograph appears to differ from the 1966 aerial photograph as follows:

- Off-site: The former 801 Shell Station building is depicted beyond NC Highway 801 to the northeast.

The 1998 aerial photograph appears to differ from the 1981 aerial photograph as follows:

- Project: The Project is depicted as developed with the current improvements consisting of one structure and surface-level parking/drive areas.
- Off-site: An undeveloped lot is depicted adjacent to the east and beyond US Highway 158 to the southeast. The current Wendy's building is depicted adjacent to the northeast.

The 2007 aerial photograph appears to differ from the 1998 aerial photograph as follows:

- Project: The Project is depicted as developed with the current improvements consisting of two structures and surface-level parking/drive areas.
- Off-site: A gasoline filling station currently known as Four Brothers BP Gasoline (117 NC Highway 801) is depicted adjacent to the east. A commercial building which currently contains Quest Coffee is depicted southeast beyond US Highway 158.

No other aerial photographs were readily ascertainable for the Project area.

5.3.2 Sanborn Maps

Sanborn Map coverage was not readily ascertainable for the Project area.

5.3.3 City Directories

City directory coverage was not readily ascertainable for the area of the Project.

5.3.4 Tax and Deed Information

Property record and appraisal information obtained from the Davie County Register of Deeds Office identified the current Project owners are listed as follows.

J.B. Harrison Properties, LLC
125 East Valley View Drive
Advance, North Carolina 27006

Title and deed information for the Project is summarized in the following tables.

Tract I (0.01 acre) and Tract II (0.02 acre):

Grantee	Grantor	Date	Book/Page
J.B. Harrison, LLC	Harrison Family Properties, LLC	10/05/1998	206/338
Harrison Family Properties, LLC	William P. Harrison & wife, Mary Ruth Harrison	01/31/1996	185/334
William P. Harrison & wife, Mary Ruth Harrison	Hope Bros. Builders, Inc.	05/09/1978	104/64

7.571 acre tract:

Grantee	Grantor	Date	Book/Page
J.B. Harrison, LLC	Jeffrey Brian Harrison & wife, Peggy C. Harrison	06/18/1996	188/55
Jeffrey Brian Harrison	W.P. Harrison & wife, Mary Ruth Harrison	05/08/1981	113/764
W.P. Harrison & wife, Mary Ruth Harrison	Thad Bingham & wife, Mary D. Bingham	08/09/1968	80/48

Grantee	Grantor	Date	Book/Page
	Max C. Bingham & wife, Ruth P. Bingham		

1.165 acre tract:

Grantee	Grantor	Date	Book/Page
J.B. Harrison, LLC	Jeffson, Inc.	06/18/1996	188/58
Jeffson, Inc.	William P. Harrison & wife, Mary Ruth Harrison	04/01/1969	81/195
W.P. Harrison & wife, Mary Ruth Harrison	Thad Bingham & wife, Mary D. Bingham Max C. Bingham & wife, Ruth P. Bingham	08/09/1968	80/48

No evidence of environmental liens or use limitations were identified within the deed reviewed. No environmentally suspect owners were identified during historical deed research. Copies of the property record card and deeds are attached **Appendix 4**.

5.3.5 Historical Document Summary

Data gaps were identified in the historical research for the Project. Historical information regarding the Project's use was not available between 1936 and 1955, between 1955 and 1966, between 1966 and 1981, and between 1981 and 1998. In accordance with ASTM 1527-05 guidelines, these constitute data gaps, as historical research was unavailable for more than ten year time periods. These gaps were caused by a lack of readily ascertainable historical resources. Available historical resources indicate the current improvements were constructed in 1997, prior to which the Project existed as undeveloped or agricultural land since at least 1936. Based on the undeveloped or agricultural nature of the Project from at least 1936 to 1997 and the use of the Project from 1997 to the present as a commercial retail shopping center, these data gaps are not anticipated to impact the findings of this report.

6.0 SITE AND VICINITY DESCRIPTION

6.1 Site Description/Site Reconnaissance

On December 15, 2009, EA personnel conducted a physical/visual reconnaissance of the site and surrounding area. Site photographs are included in **Appendix 5**. A Phase I Audit Environmental Screening Inspection Form was completed during the site visit and is included in **Appendix 6**.

6.1.1 Site Improvements and Current Site Uses

The Project consists of one irregular-shaped parcel of land totaling approximately 8.27 acres recorded as Parcel Identification Number 5872336902 according to the Davie County Tax Assessor's Office. The Project currently operates as a commercial retail shopping center. The Project is improved with two single-story structures consisting of concrete slab-on-grade foundations, concrete block walls with brick veneer exterior and flat roofs. Building 1 was constructed in 1997 and Building 2 was constructed in 2004. Building 1 contains approximately 59,143 square feet and contains the following six tenant spaces: Town & Country, Radio Shack, Jimmy the Greek Restaurant, Food Lion, ABC Store and one vacant tenant space. Building 2 contains approximately 9,775 square feet and contains the following three tenant spaces: Venezia Italian Family restaurant, Mr. Yang Bistro Chinese Restaurant (currently being remodeled) and Movie Gallery. Interior finishes consist of concrete floors, vinyl tile flooring, ceramic tile flooring and carpet, painted CMU walls, painted drywall, and acoustic ceiling tiles. The remainder of the Project exists as asphalt parking/drive areas and landscaped areas. The Project is accessible via NC Highway 801 to the northeast and US Highway 158 to the southeast. EA personnel did not observe any water supply wells or groundwater monitoring wells on the Project. Historical information researched during this ESA indicates that the Building 1 current improvements at the Project were constructed in 1997, prior to which the Project appears to have existed as undeveloped or agricultural land since at least 1936. A Site Location Map is attached as **Figure 1** and a Site Plan is attached as **Figure 2**.

6.1.2 Site Utilities

The Project is provided electricity by Duke Energy, natural gas by Piedmont Natural Gas and water and sewer services by the Davie County Utilities Department.

6.1.3 Structural Observations

6.1.3.1 Staining and Chemical Storage and Use Issues

EA observed typical maintenance and janitorial supply chemicals located in the tenant spaces of the Project buildings. The products appeared to be properly stored in the original containers. No staining was observed in the vicinity of the containers.

EA personnel observed no evidence of the storage, leaks or spills of hazardous or toxic materials or petroleum substances inside the buildings at the Project. The materials noted appeared to be properly stored and used in accordance with their intended purposes.

6.1.3.2 Asbestos-Containing Building Materials Issues

As noted by the ASTM E 1527-05 Process, an asbestos-containing building materials (ACMs) survey is beyond the scope of this ESA. However, EA personnel conducted a cursory visual inspection for suspect ACMs. The basis for "suspect" determination is taken from the materials listed in the EPA publication *Managing Asbestos in Place* (the "Green Book"). All materials listed in the Green Book which were installed prior to 1981 are considered suspect, with the exception of resilient floor tile, asbestos-cement board (transite), and roofing felt, which are considered suspect regardless of installation date (these materials continue to be manufactured and installed in the United States). ACMs are considered potentially hazardous when in a friable condition (easily crumbled and rendered airborne). Local, state and federal regulations require that certain friable ACMs in commercial structures be properly removed or contained prior to renovation or demolition activities that may disturb the ACMs. Therefore, significant amounts of ACMs are a potential financial liability to property owners and lenders regarding ACM removal/abatement costs.

Considering the age of the structures (constructed in 1997 and 2004), a low potential exists that ACMs are present in the buildings' construction materials. EA noted no substantial amounts of damaged suspect friable ACMs. However, in order to confirm the presence or absence of ACMs in any structure, a formal ACM survey would be required.

6.1.3.3 Mold Growth Issues

EA personnel noted no obvious evidence of substantial suspect mold growth on any interior or exterior surfaces. However, EA personnel noted water staining on four ceiling tiles in tenant space 5275 (Town & Country), one stained ceiling tile in tenant space 5283 (Radio Shack) and two stained ceiling tiles in tenant space 5287 (ABC Store) in Project Building 1. The stained areas totaled approximately 36 square feet and are most likely due from roof leaks. However, in order to confirm the presence or absence of mold or excessive moisture conditions, particularly in areas which are not readily accessible or visible (i.e.; attics, ventilation systems, etc.), a formal mold and moisture inspection would be required.

6.1.3.4 Lead-based Paint Issues

As noted by the ASTM E 1527-05 Process, a lead-based paint (LBP) survey is beyond the scope of this ESA. However, EA personnel conducted a cursory visual inspection for suspect LBP. The basis for this "suspect" determination is taken from the Lead Paint Poisoning Act passed by the Congress of the United States which banned the use of lead paint starting January 1, 1978. Therefore, all paint applied prior to 1978 is considered suspect.

Considering the age of the structures (constructed in 1997 and 2004), a low potential exists that lead-based paint is present on of the buildings' painted surfaces. EA noted no areas with excessively damaged or peeling painted surfaces. However, in order to confirm the presence or absence of lead-based paint in any structure, a formal lead-based paint survey would be required.

6.1.3.5 Drains and Sumps

EA personnel observed floor drains in some of the restrooms, restaurant kitchen areas and storage room areas within the tenant spaces in the Project buildings. The floor drains reportedly discharge to the municipal sanitary sewer system.

EA personnel observed a grease trap/sump behind Jimmy the Greek Restaurant tenant space (Building 1) and a grease trap/sump behind Project Building 2 for the Venezia Italian Family Restaurant and Mr. Yang Chinese Restaurant tenant spaces. The traps/sumps are reportedly used to collect food grease from the dish washing operations prior to discharging to the municipal sanitary sewer system. The traps/sumps are not anticipated to have impacted the environmental quality of the Project.

EA personnel noted no evidence of any other drains or sumps on the Project.

6.1.4 Exterior Observations

6.1.4.1 Pits, Ponds, or Lagoons

EA personnel noted no evidence of industrial pits, ponds, or lagoons in association with the Project.

6.1.4.2 Stained Soil or Pavement/Stressed Vegetation

EA personnel noted no evidence of stained soil or pavement, or chemically stressed vegetation at the Project. Minor oil discharges were observed on the parking areas; however, the discharges are incidental in nature and corrective action is neither practical nor warranted.

6.1.4.3 Solid Waste

EA personnel noted no evidence of any substantial amounts of solid waste located at the Project. EA noted non-hazardous solid waste stored in six dumpsters and non-hazardous food grease stored in three bins located at the rear of the Project buildings.

6.1.4.4 Waste Water

The Project does not discharge any waste water with the exception of sanitary waste to the municipal sewer system.

6.1.4.5 Wells

EA noted no evidence of any on-site water supply wells or groundwater monitoring wells on the Project.

6.1.4.6 Septic Systems

EA personnel noted no evidence of any on-site septic systems and none were reported to be in operation at the Project.

6.1.4.7 Storage Tanks

EA personnel noted no evidence of the past or present existence any aboveground or underground storage tanks at the Project

6.1.4.8 PCB Issues

Older transformers and other electrical equipment could contain polychlorinated biphenyls (PCBs) at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. At the time of the inspection, EA observed three pad-mounted transformers on the western portion of the Project and four pole-mounted transformers along the southern Project boundary. The transformers are labeled as owned and operated by Duke Energy and appeared to be in good condition. In addition the Food Lion tenant space maintains and operates one cardboard compactor in the shipping and receiving area. No indication of staining, leaks or fire damage was observed on or around the units. No other potential PCB-containing equipment was observed on the Project.

6.1.4.9 Radon Issues

According to the attached EDR report, the Project is located in an area designated as Zone 3, characterized by indoor average radon levels less than 2 pCi/L. EPA Zone 3 radon levels are expected to pose a low health risk to building occupants; however, the levels of radon in air can be variable over a region and in order to confirm accurate levels in building a formal radon screening would be required.

6.1.4.10 Lead in Drinking Water

The Project is provided municipal water service for potable water purposes and lead is not a suspected concern from the municipal water supply.

6.1.4.11 Wetlands Issues

According to the map in the attached EDR report (**Appendix 1**), the Project is not located in a designated federal wetlands area. However, in order to confirm the boundaries and extent of wetlands on any property, a formal wetlands survey would be required.

6.1.4.12 Erosion/Stormwater Compliance Issues

EA personnel noted no areas of the Project which appear to be out of compliance with present federal or state erosion control or stormwater laws and regulations.

6.2 Surrounding Land Use

In some situations, past and current uses of surrounding properties may pose a potential environmental concern to a subject site. EA personnel visually inspected, to the extent practical, surrounding properties for current site uses and evidence of past site uses. EA personnel also utilized readily available historical sources such as aerial photographs and interviews to evaluate past uses of nearby properties.

6.2.1 North

The Project is fronted to the north by Interstate 40, beyond which are commercial properties. These areas were observed to be topographically cross gradient relative to the Project. Historical aerial photographs revealed that prior to construction of the current improvements in the 1960s; this area existed as agricultural land since at least 1936.

6.2.2 East

The Project is fronted to the east by Wendy's (former Quik-Pik Food Mart III), Four Brother's BP Gasoline Station (former Mac Food's) and McDonald's (117 NC Highway 801 N), NC Highway 801 N, beyond which is the former Shell Service Station (136 NC Highway 801 N). These areas were observed to be topographically upgradient relative to the Project. Historical aerial photographs revealed that prior to construction of the current improvements in 1960's and 1990's; these areas existed as undeveloped or agricultural land with limited residential and commercial development since at least 1936. The former Quik-Pik Food Mart III, Four Brother's BP Gasoline Station, former Mac Food's and 801 Shell Service Station are located on the adjacent properties to the east and are detailed in **Section 5.1.2**.

6.2.3 South

The Project is fronted to the south by JeffCo (salon equipment manufacturer), US Highway 158, beyond which is Bojangles, Quest Coffee and BB&T. These properties were observed to be topographically cross-gradient relative to the Project. Historical aerial photographs revealed that prior to construction of

the current improvements in the 1960's; this area existed as undeveloped or agricultural land with limited residential since at least 1936.

6.2.4 West

The Project is fronted to the west by undeveloped and wooded land. This area was observed to be topographically downgradient relative to the Project. Historical aerial photographs and tax records revealed no development of this area since at least 1936.

None of the remaining adjacent or nearby properties, aside from those noted above and detailed in **Section 5.1.2**, appear to pose a significant environmental risk to the Project.

7.0 INTERVIEWS

7.1 Interviews with Project Owner/Operators/Site Manager

The site contact assigned by the Client was Mr. Jeffrey Harrison, with J.B. Harrison Properties, LLC. Mr. Harrison accompanied EA personnel during a portion of the site assessment. Mr. Harrison completed an environmental questionnaire, a copy of which is included in **Appendix 7**.

7.2 Interviews with Local Government Officials

A Freedom of Information Act (FOIA) request was submitted to the attention of Mr. Jerry Myers with the Davie County Emergency Management - Fire Marshal's Office regarding any spills, leaks, or other environmental responses to the Project; however, no response was received by the write date of this report. Pertinent information will be forwarded upon receipt

EA inquired with Ms. Linda Estkowski at the North Carolina Department of Environment and Natural Resources (NC DENR) Winston-Salem Regional Office (WSRO) regarding the four off-site former gasoline filling stations [Mac Foods (Incident # 13698), 801 Shell Service (Incident # 30557), By-Lo #1 (Incident # 30771) and Quik-Pik Food Mart III (Facility ID 0-011990)] adjacent to the northeast and east of the Project. Ms. Estkowski stated that the Mac Foods incident was closed out and issued a NFA in June 2009, the 801 Shell Service was ranked an intermediate risk and is in the process of closure and the By-Lo #1 incident was ranked as intermediate and that NCDENR is requiring no further work at the present time. Ms. Estkowski stated that their database did not identify an incident for the Quik-Pik Food Mart III. Ms. Estkowski informed EA that a closure report for Quik-Pik dated September 17, 2002 was submitted to their office and the site was closed out on September 18, 2002. According to Ms. Estkowski the file for this site has been archived. No further information was provided by Ms. Estkowski regarding the off-site former filling stations.

Copies of Records of Communication are included in **Appendix 8**.

8.0 FINDINGS AND CONCLUSIONS

8.1 Findings

8.1.1 On-site Environmental Conditions

No on-site environmental conditions were identified during the course of this ESA.

8.1.2 Off-site Environmental Conditions

The following off-site environmental conditions were identified during the course of this ESA:

- 4 Brothers Food Store 310, an active gasoline filling station located at 117 NC Highway 801 North, is identified on the registered UST database. The EDR report listed this site in the Orphan Summary. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists one 10,000-gallon gasoline and one 12,000-gallon gasoline USTs currently in operation at this site (Facility ID # 0-035925). The USTs were reportedly installed on January 20, 1999. According to the State's UST registration database, the USTs appear to have been constructed in compliance with current federal and state regulations regarding corrosion protection, spill/overfill prevention and leak detection. State regulatory files revealed no documented petroleum releases associated with the current USTs. Based on its proximity to the Project, topographic relation, and the estimated groundwater flow direction; a potential exists that undocumented releases from this site have impacted the Project.

- 801 Shell Service, a former gasoline filling station (currently vacant) located at 136 NC Highway 801 North, is identified on the registered UST database, IMD database, LUST database and LUST TRUST database (Incident # 30557). The EDR report incorrectly identified this site as located 672 feet to the east-northeast of the Project. This site is located on the adjacent property to the east-northeast beyond NC Highway 801 approximately 70 feet and topographically upgradient relative to the Project. The NCDENR UST registration database lists seven USTs which were formerly in operation at this site (Facility ID # 0-012847). According to the report two 10,000-gallon gasoline USTs were reportedly installed on June 5, 1967 and removed on January 7, 1989; one 550-gallon oil UST was reportedly installed on May 5, 1968 and removed on January 10, 1988; and one 6,000-gallon gasoline UST was reportedly installed on May 5, 1970 and removed on January 10, 1988. In addition, one 8,000-gallon gasoline UST and two 10,000-gallon gasoline USTs were installed on September 22, 1989 and removed on August 16, 2007. A petroleum release incident reportedly occurred at the site on February 28, 2005 during a DOT investigation. Groundwater and soil contamination were reported.

EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office on December 15, 2009. EA personnel reviewed an Initial Abatement Action Report for the site, prepared by Terraquest and dated September 26, 2008. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by General Engineering and Environmental of NC, Inc. (GEL) on February 25, 2005. The investigation was performed due to NC Department of Transportation (NCDOT) construction plans in the right of way which encroached onto the 801 Shell Service site. Information was reported to NCDENR-UST section who subsequently issued a Notice of Regulatory Requirements (NORR) directing a *Site Check* be completed to assess the petroleum release from the UST systems. In July and August of 2005, Terraquest initiated the *Site Check* by collecting soil samples in the area of the former and current UST systems and installing three monitoring wells (MW-1 through MW-3) in the area of the current UST system and dispenser islands. The *Site Check Report* was submitted to NCDENR on August 5, 2005. The report identified several petroleum constituents at levels exceeding the NC 2L standards in MW-1 and MW-2 at the site, therefore Terraquest conducted a *Limited Site Assessment (LSA)* to determine the risk classification of the site. Three additional groundwater monitoring wells (MW-4 through MW-6) were installed at the site. The *LSA Report* was submitted to NCDENR on January 26, 2006. The report indicated the presence of one potable water supply well located approximately 360 feet from the site and identified several petroleum constituents at levels exceeding the NC 2L standards in MW-4 and MW-5 at the site, therefore NCDENR assigned the site a priority rank of high risk. The NCDOT purchased the right of way to part of the property which included the UST system, as part of the road improvement project. On August 16, 2007, GEL supervised the removal of the UST system, piping and dispensers. The UST Closure Report dated October 22, 2007 indicated the presence of petroleum constituents in excess of Soil to Groundwater MSCCs in two soil samples collected from beneath one of the dispenser islands. Terraquest supervised the excavation of contaminated soil in the vicinity of the former dispenser island on September 4, 2008 following a Notice of Violation from NCDENR dated August 1, 2008. Approximately 10.95 tons of contaminated soil was excavated and properly disposed of offsite. Confirmation soil samples from the excavation pit did not reveal petroleum constituents in excess of the state standards. The Initial Abatement Action Report concluded that the primary source of contamination at the site is believed to be the former UST system (one 8,000-gallon and two 10,000-gallon gasoline USTs). Terraquest recommended abandoning the nearby potable water supply well or connecting the property to the municipal water supply to reduce the risk ranking for the site, allowing the site to be closed using a Notice of Residual Petroleum (NRP).

EA personnel reviewed a Well Abandonment Record letter for the site, prepared by Terraquest and dated December 9, 2009. The well abandonment record was attached with the letter indicating that the well located at 136 Highway 801 North was abandoned on November 23, 2009. EA personnel inquired with Ms. Linda Estkowski at the NC DENR WSRO regarding the site. According to Ms. Estkowski, following the well abandonment the site is ranked as an Intermediate risk and is in the process of closure. Based on relative topography and the

determined groundwater flow direction towards the Project, a potential exists that subsequent undocumented release(s) have impacted the Project's soil and groundwater quality.

- Mac's Foods, a former gasoline filling station (current location of 4 Brother's Food Store) located at Highway 158 / 801, is identified on the registered UST database, IMD database and LUST database (Incident # 13698). The EDR report incorrectly identified this site as located 918 feet to the east of the Project. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists three USTs were formerly in operation at this site (Facility ID # 0-011552). According to the report one 10,000-gallon and two 6,000-gallon gasoline USTs were reportedly installed on January 8, 1973 and removed on October 19, 1994. A petroleum release incident was reported at the site on October 27, 1994 following the UST removals. Groundwater and soil contamination was reported.

  EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office on December 15, 2009. EA personnel reviewed a Geophysical Survey and Preliminary Site Assessment Report for the site, prepared by General Engineering and Environmental of NC, Inc. (GEL) and dated March 28, 2005. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by Geotechnologies, Inc. in 1995. The investigation was performed due to NCDOT construction plans to reconstruct the bridge and interchange area near the intersection of Interstate 40 and NC 801 North. The NCDOT wanted to assess the property to evaluate the extent (if any) of soil and/or groundwater contamination related to the operation of the former gas station previously located onsite and the current gas station located onsite within the proposed NCDOT right-of-way, and the impact (if any) of this operation on the proposed road improvements. In 1998, SEI Environmental, Inc. performed a Phase I Limited Site Assessment (*LSA*) at the site. The results of the LSA indicated onsite soil and groundwater contamination from petroleum hydrocarbons at levels exceeding the state standards. At that time SEI indicated that the site was a high priority based on the LSA analytical results and the presence of three potable water supply wells in the area. The three water supply wells were reportedly abandoned by 2004. On February 23, 2005, GEL collected soil samples in the area of the proposed NCDOT right-of-way and the area of former USTs. GEL returned to the site on February 25, 2005 to collect groundwater samples from two existing groundwater monitoring wells and one temporary monitoring well. GEL concluded that the composite soil samples collected did not contain petroleum constituents which exceeded their respective action levels. Petroleum constituents were detected at concentrations exceeding the NCDENR 2L Groundwater Quality Standards in the groundwater samples collected. The analytical results indicate that groundwater contamination currently exists at the site, which is most likely due to a release of petroleum from the former USTs that were removed in 1994.

The NCDENR issued a Notice of No Further Action (NFA) on June 9, 2009 after reviewing the Notice of Residual Petroleum (NRP), received on June 8, 2009. The review of the NRP indicated that soil contamination at the site exceeds the residential MSCCs and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. However, based on distance, relative topography and the determined groundwater flow direction towards the Project, a potential exists that the identified contamination have impacted the Project's soil and groundwater quality. Refer to **Section 8.4** for EA's recommendations.

8.1.3 Previously Resolved Environmental Conditions

No previously resolved environmental conditions were identified during the course of this ESA.

8.1.4 *De minimis* Environmental Conditions

No *de minimis* environmental conditions were identified in connection with the Project during the course of this ESA.

8.2 Opinion

The issues summarized in **Section 8.1.2** are a potential source of chemical and/or petroleum contamination to soil and/or groundwater at the Project and to nearby off-site properties. The assessment and remediation of contamination are state-regulated activities that are often expensive and time-consuming. Additionally, the presence of contamination may adversely-affect the "financeability" and "marketability" of the Project. In the professional opinion of the undersigned, a potential exists for the presence of contamination at the Project, and the potential risk exposure for a new property buyer or lender warrants additional inquiry (e.g.; soil and/or groundwater sampling) for the Project. Refer to **Section 8.4** for EA's recommendations.

8.3 Conclusions

EA has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of the Tanglewood Crossing property (the "Project") located at 5273 Highway 158 in Advance, Davie County, North Carolina. Any exceptions to, or deletions from, this practice are described in **Section 2.1** of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Project, **except for the following**:

- 4 Brothers Food Store 310, an active gasoline filling station located at 117 NC Highway 801 North, is identified on the registered UST database. The EDR report listed this site in the Orphan Summary. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists one 10,000-gallon gasoline and one 12,000-gallon gasoline USTs currently in operation at this site (Facility ID # 0-035925).

The USTs were reportedly installed on January 20, 1999. According to the State's UST registration database, the USTs appear to have been constructed in compliance with current federal and state regulations regarding corrosion protection, spill/overfill prevention and leak detection. State regulatory files revealed no documented petroleum releases associated with the current USTs. Based on its proximity to the Project, topographic relation, and the estimated groundwater flow direction; a potential exists that undocumented releases from this site have impacted the Project.

- 801 Shell Service, a former gasoline filling station (currently vacant) located at 136 NC Highway 801 North, is identified on the registered UST database, IMD database, LUST database and LUST TRUST database (Incident # 30557). The EDR report incorrectly identified this site as located 672 feet to the east-northeast of the Project. This site is located on the adjacent property to the east-northeast beyond NC Highway 801 approximately 70 feet and topographically upgradient relative to the Project. The NCDENR UST registration database lists seven USTs which were formerly in operation at this site (Facility ID # 0-012847). According to the report two 10,000-gallon gasoline USTs were reportedly installed on June 5, 1967 and removed on January 7, 1989; one 550-gallon oil UST was reportedly installed on May 5, 1968 and removed on January 10, 1988; and one 6,000-gallon gasoline UST was reportedly installed on May 5, 1970 and removed on January 10, 1988. In addition, one 8,000-gallon gasoline UST and two 10,000-gallon gasoline USTs were installed on September 22, 1989 and removed on August 16, 2007. A petroleum release incident reportedly occurred at the site on February 28, 2005 during a DOT investigation. Groundwater and soil contamination were reported.

  EA personnel reviewed regulatory files maintained by the NCDENR UST Section at the Winston-Salem Regional Office on December 15, 2009. EA personnel reviewed an Initial Abatement Action Report for the site, prepared by Terraquest and dated September 26, 2008. Information from this report indicates that a petroleum release was reported at this site following a subsurface investigation conducted by General Engineering and Environmental of NC, Inc. (GEL) on February 25, 2005. The investigation was performed due to NC Department of Transportation (NCDOT) construction plans in the right of way which encroached onto the 801 Shell Service site. Information was reported to NCDENR-UST section who subsequently issued a Notice of Regulatory Requirements (NORR) directing a *Site Check* be completed to assess the petroleum release from the UST systems. In July and August of 2005, Terraquest initiated the *Site Check* by collecting soil samples in the area of the former and current UST systems and installing three monitoring wells (MW-1 through MW-3) in the area of the current UST system and dispenser islands. The *Site Check Report* was submitted to NCDENR on August 5, 2005. The report identified several petroleum constituents at levels exceeding the NC 2L standards in MW-1 and MW-2 at the site, therefore Terraquest conducted a *Limited Site Assessment (LSA)* to determine the risk classification of the site. Three additional groundwater monitoring wells (MW-4 through MW-6) were installed at the site. The *LSA Report* was submitted to NCDENR on January 26, 2006. The report indicated the presence of one potable water supply well located approximately 360 feet from the site and identified several petroleum constituents at levels

exceeding the NC 2L standards in MW-4 and MW-5 at the site, therefore NCDENR assigned the site a priority rank of high risk. The NCDOT purchased the right of way to part of the property which included the UST system, as part of the road improvement project. On August 16, 2007, GEL supervised the removal of the UST system, piping and dispensers. The UST Closure Report dated October 22, 2007 indicated the presence of petroleum constituents in excess of Soil to Groundwater MSCCs in two soil samples collected from beneath one of the dispenser islands. Terraquest supervised the excavation of contaminated soil in the vicinity of the former dispenser island on September 4, 2008 following a Notice of Violation from NCDENR dated August 1, 2008. Approximately 10.95 tons of contaminated soil was excavated and properly disposed of offsite. Confirmation soil samples from the excavation pit did not reveal petroleum constituents in excess of the state standards. The Initial Abatement Action Report concluded that the primary source of contamination at the site is believed to be the former UST system (one 8,000-gallon and two 10,000-gallon gasoline USTs). Terraquest recommended abandoning the nearby potable water supply well or connecting the property to the municipal water supply to reduce the risk ranking for the site, allowing the site to be closed using a Notice of Residual Petroleum (NRP).

EA personnel reviewed a Well Abandonment Record letter for the site, prepared by Terraquest and dated December 9, 2009. The well abandonment record was attached with the letter indicating that the well located at 136 Highway 801 North was abandoned on November 23, 2009. EA personnel inquired with Ms. Linda Estkowski at the NC DENR WSRO regarding the site. According to Ms. Estkowski, following the well abandonment the site is ranked as an Intermediate risk and is in the process of closure. Based on relative topography and the determined groundwater flow direction towards the Project, a potential exists that subsequent undocumented release(s) have impacted the Project's soil and groundwater quality.

- Mac's Foods, a former gasoline filling station (current location of 4 Brother's Food Store) located at Highway 158 / 801, is identified on the registered UST database, IMD database and LUST database (Incident # 13698). The EDR report incorrectly identified this site as located 918 feet to the east of the Project. This site is located on the adjacent property to the east and topographically upgradient relative to the Project. The NCDENR UST registration database lists three USTs were formerly in operation at this site (Facility ID # 0-011552). According to the report one 10,000-gallon and two 6,000-gallon gasoline USTs were reportedly installed on January 8, 1973 and removed on October 19, 1994. A petroleum release incident was reported at the site on October 27, 1994 following the UST removals. Groundwater and soil contamination was reported.

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construction plans to reconstruct the bridge and interchange area near the intersection of Interstate 40 and NC 801 North. The NCDOT wanted to assess the property to evaluate the extent (if any) of soil and/or groundwater contamination related to the operation of the former gas station previously located onsite and the current gas station located onsite within the proposed NCDOT right-of-way, and the impact (if any) of this operation on the proposed road improvements. In 1998, SEI Environmental, Inc. performed a Phase I Limited Site Assessment (*LSA*) at the site. The results of the LSA indicated onsite soil and groundwater contamination from petroleum hydrocarbons at levels exceeding the state standards. At that time SEI indicated that the site was a high priority based on the LSA analytical results and the presence of three potable water supply wells in the area. The three water supply wells were reportedly abandoned by 2004. On February 23, 2005, GEL collected soil samples in the area of the proposed NCDOT right-of-way and the area of former USTs. GEL returned to the site on February 25, 2005 to collect groundwater samples from two existing groundwater monitoring wells and one temporary monitoring well. GEL concluded that the composite soil samples collected did not contain petroleum constituents which exceeded their respective action levels. Petroleum constituents were detected at concentrations exceeding the NCDENR 2L Groundwater Quality Standards in the groundwater samples collected. The analytical results indicate that groundwater contamination currently exists at the site, which is most likely due to a release of petroleum from the former USTs that were removed in 1994.

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8.4 Recommendations

Based on the findings of this ESA, EA recommends the following:

- Completion of a Phase II Environmental Site Assessment (ESA) to include the collection, field screening and laboratory analysis of soil and/or groundwater samples from the northeastern and eastern portions of the Project in order to determine potential impact to the Project from the adjacent former and current gasoline filling stations. **A cost proposal to complete the recommendations will be submitted to the Client under separate cover.**

8.5 Deviations

This Phase I ESA substantially complies with the scope of services and ASTM E 1527-05, as amended, except for exceptions and/or limiting conditions as discussed in **Section 2.2**.

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312" and we have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

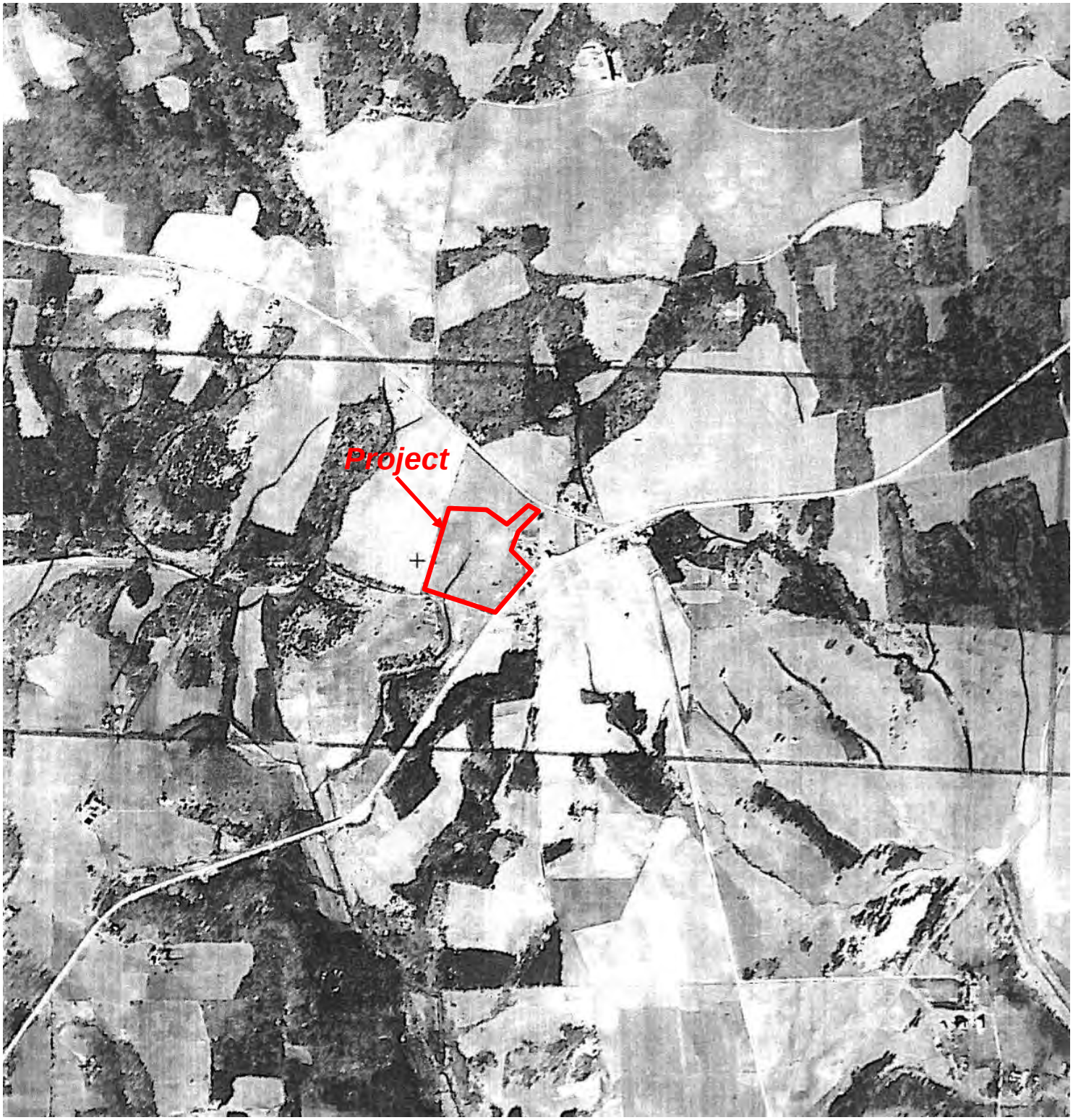
Albert Frommel, L.G.
Senior Project Manager/Licensed Geologist

10.0 QUALIFICATIONS

All phases of this ESA were conducted, completed and reviewed by qualified EA personnel experienced in conducting ESAs on similar sites. Copies of resumes of EA's key personnel involved with this Project are included in **Appendix 9**.

APPENDIX 3

HISTORICAL AERIAL PHOTOGRAPHS



Appendix – Aerial Photographs

Year: 1936 **Scale: 1" = 1,320'**
Source: Davie County NRCS

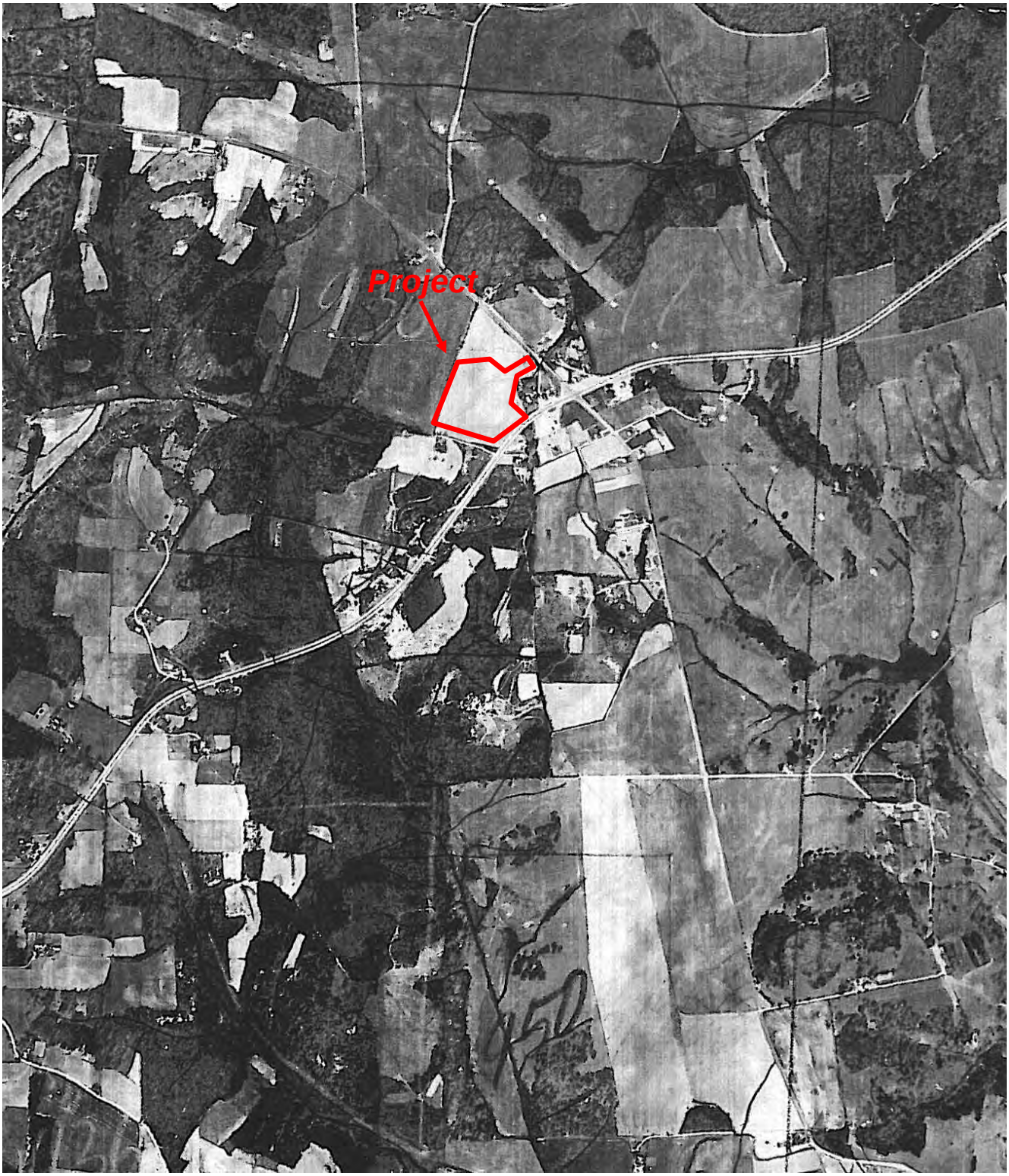
N ↑

9307 Monroe Road, Suite K
Charlotte, North Carolina 28270
T 704.846.8853 F 704.846.3271
enviroassessments.com

enviroassessments

Project Name: **Tanglewood Crossing**
5273 Highway 158
Advance, North Carolina

Project Number: 09-8176.2



Appendix – Aerial Photographs

Year: 1955 **Scale: 1" = 1,320'**
Source: Davie County NRCS

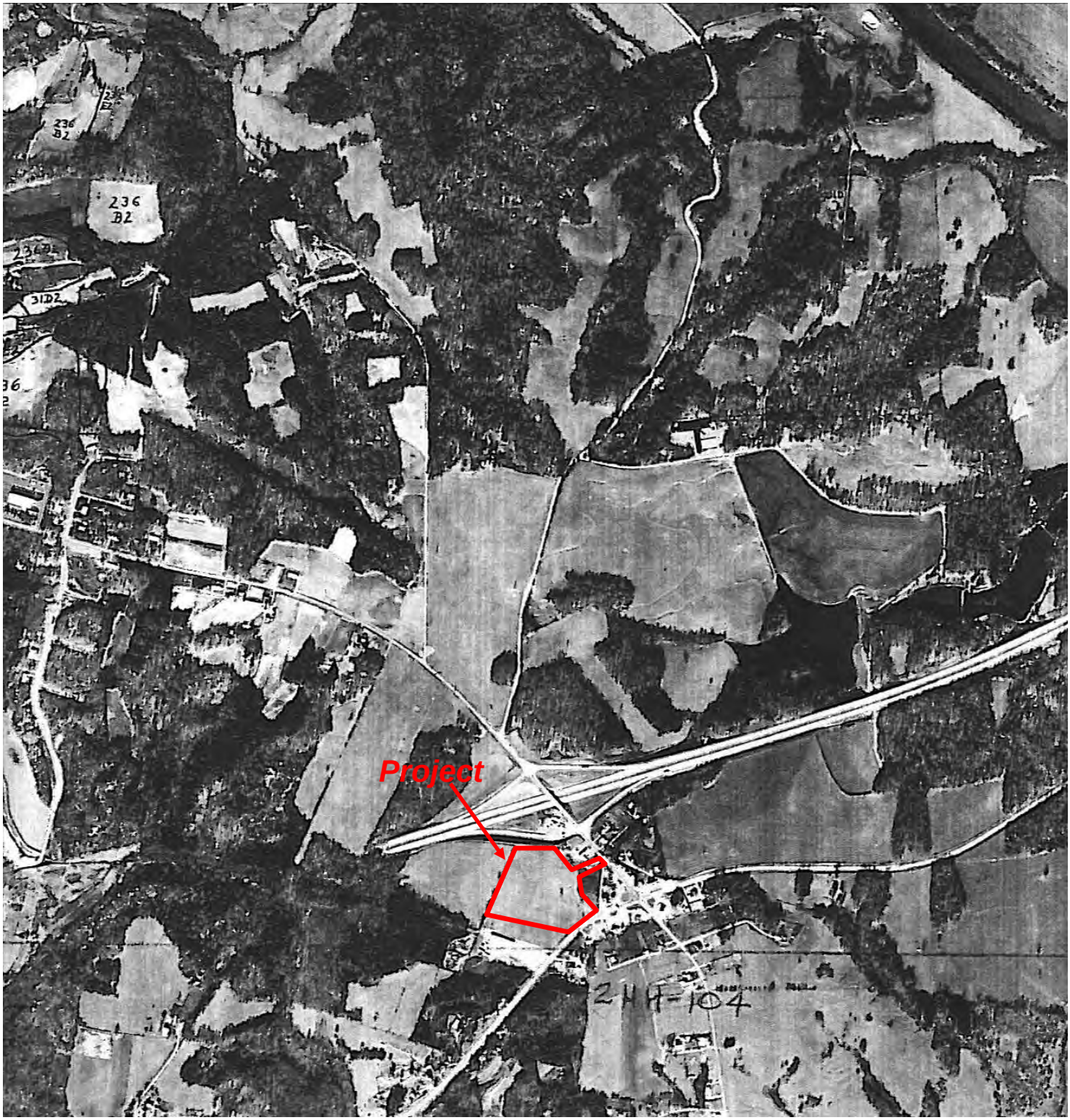
N ↑

9307 Monroe Road, Suite K
Charlotte, North Carolina 28270
T 704.846.8853 F 704.846.3271
enviroassessments.com

enviroassessments

Project Name: **Tanglewood Crossing**
5273 Highway 158
Advance, North Carolina

Project Number: 09-8176.2



Appendix – Aerial Photographs

Year: 1966 **Scale: 1" = 1,320'**
Source: Davie County NRCS

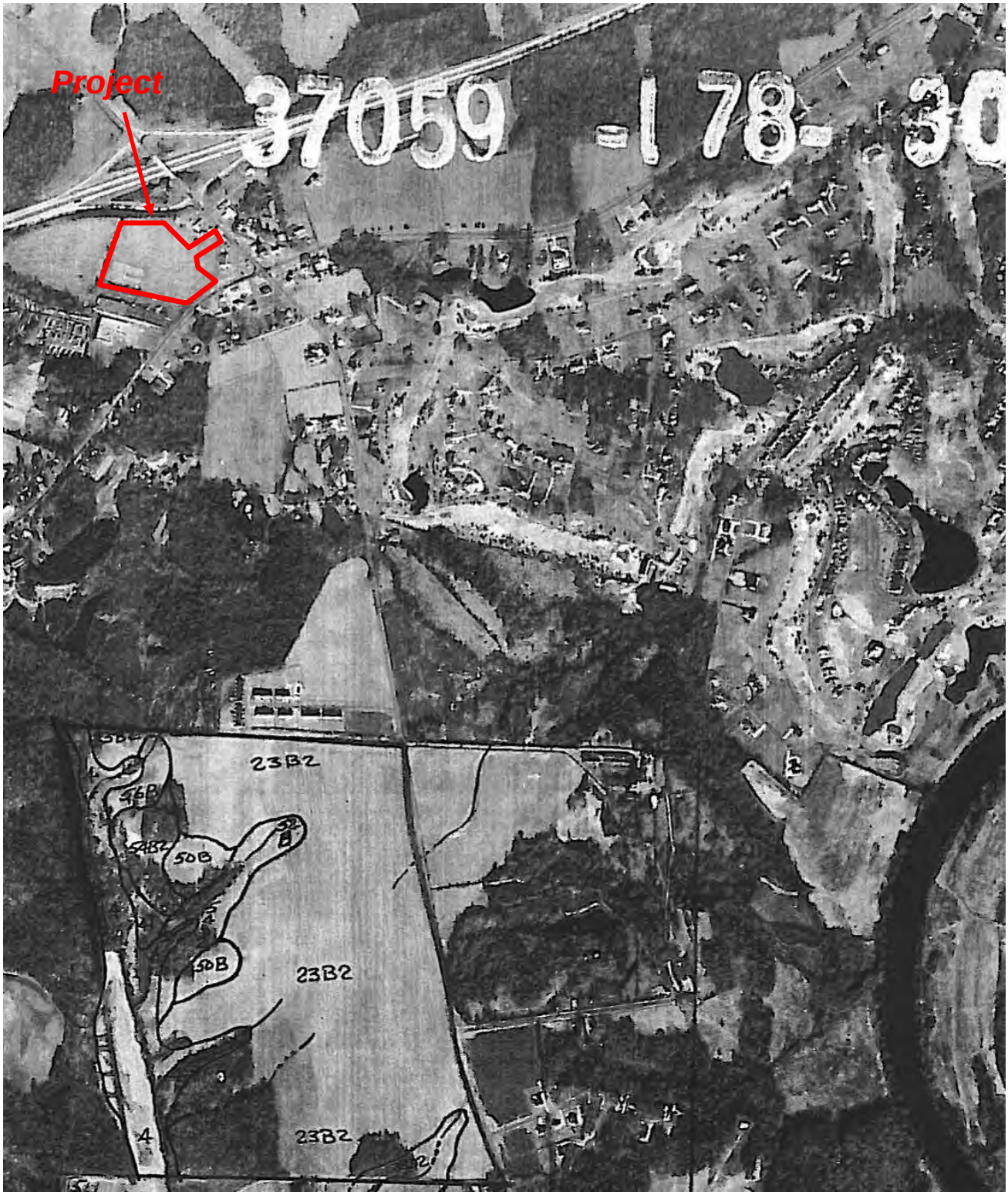
N ↑

9307 Monroe Road, Suite K
Charlotte, North Carolina 28270
T 704.846.8853 F 704.846.3271
enviroassessments.com

enviroassessments

Project Name: **Tanglewood Crossing**
5273 Highway 158
Advance, North Carolina

Project Number: 09-8176.2



Appendix – Aerial Photographs

Year: 1981 **Scale: 1" = 1,320'**
Source: Davie County NRCS

N ↑

9307 Monroe Road, Suite K
Charlotte, North Carolina 28270
T 704.846.8853 F 704.846.3271
enviroassessments.com

enviroassessments

Project Name: **Tanglewood Crossing**
5273 Highway 158
Advance, North Carolina

Project Number: 09-8176.2

Appendix – Aerial Photographs

Year: 1998 **Scale: Unknown**
Source: Microsoft TerraServer

N ↑

9307 Monroe Road, Suite K
Charlotte, North Carolina 28270
T 704.846.8853 F 704.846.3271
enviroassessments.com

enviroassessments

Project Name: **Tanglewood Crossing**
5273 Highway 158
Advance, North Carolina

Project Number: 09-8176.2

Appendix – Aerial Photographs	**Year: 2007** **Scale: Unknown** **Source: Davie County GIS website** **N ↑**
9307 Monroe Road, Suite K Charlotte, North Carolina 28270 T 704.846.8853 F 704.846.3271 enviroassessments.com enviroassessments	**Project Name:** **Tanglewood Crossing** **5273 Highway 158** **Advance, North Carolina** **Project Number: 09-8176.2**

APPENDIX 4

PROPERTY RECORD CARD AND DEED INFORMATION

*SD70000022301 001US HWY 158 005273 J B HARRISON PROPERTIES LLC

THU, JUL 1, 2010, 3:45 AM

J B HARRISON PROPERTIES LLC
5273 US HWY 158
000039421580
DAVIE COUNTY (2009 REVAL)

TANGLEWOOD CROSSING
C FIRE CI03
8.270 AC HWY 158

D7 000 00 223 01
Map S/M Bk Lot Spl
ID NO: 5872336902
CARD NO. 1 OF 2
8.27AC 0.000 SRC= 4INS

APPRAISED BY 00 ON 09/30/2008 03002 BERMUDA RUN TW-03 C-03 EX- AT- LAST ACTION 20090225

CONSTRUCTION DETAIL

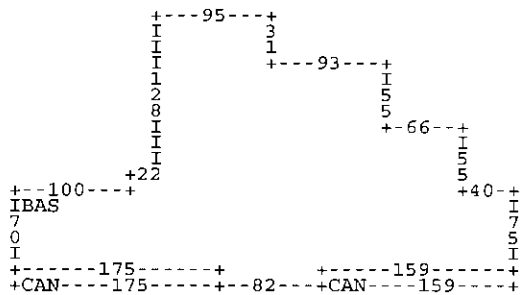
FOUND *	3	CONT FOOTING *	4	U	M	EFF AR	IN	EFF B	REPL CST	E	A	NRM	E	F
SUBFLR*	2	SLAB ON GRADE*	6	1607	60	245	94	64.86	3,907,491	97	97	19	00	000
EX WL1*	12	STUCCO ON CB *	23											
EX WL2*	21	FACE BRICK *												
RF STR*	10	STEEL FRAME *	11											
RF CVR*	04	BUILT UP T&G *	4											
INT W1*	5	DRYWALL *	8											
FLOOR1*	08	SHEET VINYL *	6											
FLOOR2*	14	CARPET *												
FUEL *	03	GAS *												
HEAT *	10	HEAT PUMP *	7											
AC *	03	CENTRAL *	6											
COM H&A	3	SPLIT UNITS *												
CL-INS	01	SUSP-CEIL INS*	5											
FIXTURES		39 *	2											
FRAME *	06	STEEL *	14											
QUAL		DESIGN*QUAL*SIZE *	96											
ABAVG		1.00 1.10 .89=*	.98											
TOTAL QUALITY INDEX		*	94											

MARKET VALUE 1919 00

% CD 8100

SHOPPING CENTER-STRIP - COMMERCIAL CONST.
SCALE 1/280

TYP	GS	AREA	PCT	RPL	CS
BAS		59,143	100	3,836,015	
CAN		3,674	030	71,476	



FIREPL 1 NONE
62,817 3,907,491

CREDENCE TO	MARKET
DEPR BLDG VALUE	3,165,070
DEPR OBXF VALUE	247,160
LAND VAL - MKT	1,240,500
MKT VAL - CARD	4,652,730
REGR VAL - CARD	
INC VAL - CARD	
APPR VAL - CARD	4,652,730
APPR VAL - PARCEL	

FLOOR- 0
COM/WALL NONE
HEIGHT 16 FEET

PRIOR	PERMIT INFO
1,488,600	
2,664,460	
4,153,060	

SALES DATA

DEED BK	DEED PG	DT M	DT Y	TYP	Q V	SALE PRICE
02060	0338	10	98	CD	UV	
01880	0055	06	96	CD	UV	

NOTES
SEE INCOME APPROACH
SOME RD FTG NO SEWER
PART OF LARGE TRACT
D7-223

CD	DESC	LN	WD	UNITS	UNIT PRICE	% OB	L B	A Y	E Y	AN DP	% C	OBXF DEPR VAL
09	ASP PAVING			130,680.00	3.00	100	L	97	97	05	0.40	156,816
42	SPRINKLER			59,143.00	2.01	100	L	97	97	02	0.76	90,347
	TOTAL OB/XF VALUE											247,163

BLDG AREA 59143

BUILDING DIMENSIONS
BAS=W95S128W22S18W100
S70CAN=E175S11W175N11$E175S11E82CAN=E159N11W1
59S11$N11E159N75W40N55W66N55W93N31$.

LAND USE	UCD	LOCAL ZONE	FRNT	DEP	SZ	L M	CF	OTHER ADJUST	LND UNIT PRICE	TOT LAND UNITS	U T	TL AD	ADJUST PRICE	LAND VALUE	LAND NOTES
COMMERCIAL	0700		191		100	00	150	LOC	PS 100,000.00	8.270	AC	150	150000.00	1240500	
TOTAL LAND DATA										8.270				1240500	

*SD70000022301 002US HWY 158 005273 J B HARRISON PROPERTIES LLC

J B HARRISON PROPERTIES LLC
5273 US HWY 158
000039421580
DAVIE COUNTY (2009 REVAL) C FIRE CI03
CONSTRUCTION DETAIL 8.270 AC HWY 158 MARKET VALUE 8.27AC

THU, JUL 1, 2010, 3:45 AM
D7 000 00 223 01
Map S/M Bk Lot Spl
ID NO: 5872336902
CARD NO. 2 OF 2
0.000 SRC= 4INS

APPRAISED BY 00 ON 09/30/2008 U.M.C. HARMUNDERUN REPL CST E.A.NW.03 FC-03 % EX. CAPENCAST ACTION 20080924

											2020	.		.

FOUND * 3	CONT FOOTING *	4	
SUBFLR* 2	SLAB ON GRADE*	6	1607 10,051106 73.14 735,131040405000000 9500
EX WL1* 21	FACE BRICK *	25	SHOPPING CENTER-STRIP - COMMERCIAL CONST.
RF STR* 01	FLAT *	6	SCALE 1/354
RF CVR* 12	MOD MET/MET *	6	
INT WL* 5	DRYWALL *	8	
FLOOR1* 14	CARPET *	6	
FLOOR2* 08	SHEET VINYL *		
FUEL * 03	GAS *		
HEAT * 04	AIR-DUCTED *	7	
AC * 03	CENTRAL *	6	
COM H&A 2	PACKAGED UNIT*		
CL-INS 05	NOT SUSP-CEIL*	4	
FIXTURES	18 *	6	
FRAME * 06	STEEL *	14	
QUAL DESIGN*QUAL*SIZE	*	98	
ABAVG 1.00 1.10 .98	=*	1.08	
TOTAL QUALITY INDEX	*	106	

TYP	GS	AREA	PCT	RPL	CS
BAS		9,775	100	714,944	
CAN		920	030	20,187	

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+-----------------115-----------------+
IBAS                                  I
I                                     I
I                                     I
I                                     
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DEED BOOK 206 PAGE 338

07475

FILED FOR REGISTRATION
October 7, 1998 4:42 P.M.
DATE TIME
AND RECORDED IN BOOK 206 PAGE 338
HENRY L. SHORE, REGISTER OF DEEDS
DAVIE COUNTY, NC
BY Carol J. Forrest
Deputy
Recording Time, Book and Page

NO TAXABLE CONSIDERATION STATED

Excise Tax

Tax Lot No. Parcel Identifier No.
Verified by County on the day of , 19
by

Mail after recording to Grantee @ 125 East Valley View Dr., Advance NC 27006

This instrument was prepared by Henry P. Van Hoy, II, Attorney at Law, Mocksville, NC
Brief description for the Index

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 5 day of October , 19 98 , by and between

GRANTOR	GRANTEE
HARRISON FAMILY PROPERTIES, LLC (a North Carolina Limited Liability Company)	J.B. HARRISON PROPERTIES, LLC (a North Carolina Limited Liability Company)

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of , Farmington Township, Davie County, North Carolina and more particularly described as follows:

DESCRIPTION ATTACHED HERETO AS EXHIBIT "A"

DEED TRANSFER CHECKED
DATE 10/7/98 BY
TAX SUPERVISOR

N. C. Bar Assoc. Form No. 3 © 1976, Revised © 1977 — James Williams & Co., Inc., Box 127, Yadkinville, N. C. 27055
Printed by Agreement with the N. C. Bar Assoc. — 1981

The property hereinabove described was acquired by Grantor by instrument recorded in

A map showing the above described property is recorded in Plat Book page .

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated. Title to the property hereinabove described is subject to the following exceptions:

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

HARRISON FAMILY PROPERTIES , LLC

(Corporate Name)

By: President

ATTEST: Secretary (Corporate Seal)

USE BLACK INK ONLY

W. P. Harrison (SEAL)

(SEAL)

(SEAL)

(SEAL)

SEAL-STAMP

NORTH CAROLINA, Davie County.

I, a Notary Public of the County and State aforesaid, certify that W.P. Harrison & Jeffrey B. Harrison in their capacity as Member-Managers Grantor, personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 5th day of October, 1998.

OFFICIAL SEAL
Notary Public - North Carolina
DAVIE COUNTY
DAWN YOUNT WYATT
My Commission Expires 4-15-99

My commission expires: 4-15-99 Dawn Yount Wyatt Notary Public

SEAL-STAMP

NORTH CAROLINA, County.

I, a Notary Public of the County and State aforesaid, certify that personally came before me this day and acknowledged that he is Secretary of a North Carolina corporation, and that by authority duly given and as the act of the corporation, the foregoing instrument was signed in its name by its President, sealed with its corporate seal and attested by as its Secretary.

Witness my hand and official stamp or seal, this day of , 19

Use Black Ink

My commission expires: Notary Public

The foregoing Certificate(s) of Dawn Yount Wyatt, Notary Public of Davie County, NC,

is/are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the first page hereof.

HENRY L. SHORE REGISTER OF DEEDS FOR DAVIE COUNTY

By Carol J. Foust Deputy/Assistant Register of Deeds

N. C. Bar Assoc. Form No. 3 © 1976, Revised © 1977 - James Williams & Co., Inc., Box 127, Yanceyville, N. C. 27379
Printed By Agreement with the N. C. Bar Assoc. - 1981

DEED FROM HARRISON FAMILY PROPERTIES, LLC(a North Carolina Limited Liability Company) to J. B. HARRISON PROPERTIES, LLC, (a North Carolina Limited Liability Company)

TRACT I: **BEGINNING** at 3/4 inch established iron pin in the right of way margin of NC Highway 801, corner with j.B. Harrison Properties, LLC, and also being located South 45° 16' 40" East 29.97 feet from a 3/4 inch established iron pin, a corner of J.B. Harrison Properties, LLC thence from the **BEGINNING** South 42° 11' 40" East 30.07 feet to a nail set; thence South 44° 49' 20" West 31 feet to a point; thence North 02° 08' 30" East 44.29 feet to a point, containing 0.01 acres as shown on a survey prepared by Allied Land Surveying Company, PA, dated October 10, 1995, last revised November 24, 1997, Map #7137GTR1, and being a portion of that property described in Deed Book 185, page 334, and also being a portion of Parcel 1, Block B, D-8-8, Davie County Tax Map.

TRACT II: **BEGINNING** at a point which is located South 43° 51' 10" East 10.57 feet from an established iron rod in the right of way margin of US Highway 158; thence from the **BEGINNING** North 43° 51' 10" West passing through an established iron rod at 10.57 feet for a total distance of 46.71 feet to a point; thence South 02° 08' 30" West 49.62 feet to a 3/4 inch established iron pin; thence North 64° 04' 20" East 37.73 feet to the point and place of **BEGINNING**, containing 0.02 acres, more or less, as shown on a survey prepared by Allied Land Surveying Company, PA, dated October 10, 1995, last revised November 24, 1997, Map #7137GTR1, and being a portion of that property described in Deed Book 185, page 334, and also being a portion of Lot 1, Block B, D-8-8, Davie County Tax Map.

** No Title Exam Requested or Performed **

07476

DEED BOOK 206 PAGE 341

NORTH CAROLINA

DAVIE COUNTY

REVOCATION OF POWER OF ATTORNEY

I, **WANDA R. EDWARDS**, of Davie County, North Carolina, under the provisions of North Carolina General Statutes §32A-13 do hereby nullify, revoke, and void the Power of Attorney executed by me on the 2nd day of May, 1990, naming **JOEL L. EDWARDS** as my attorney in fact. Said Power of Attorney is recorded in Book 154, Page 65, Davie County Registry.

Wanda R Edwards

WANDA R. EDWARDS

NORTH CAROLINA

COUNTY OF Davie

I, a Notary Public of said County and State, do hereby certify that **WANDA R. EDWARDS** personally appeared before me this day and acknowledged the execution of the foregoing Revocation of Power of Attorney.

Witness my hand and seal, this 11th day of September, 1998.

Dawn Yount Wyatt

NOTARY PUBLIC

My Commission Expires:
4-15-99

NORTH CAROLINA

DAVIE COUNTY

This is to certify that a copy of the foregoing Revocation of Power Attorney was duly served upon JOEL L. EDWARDS by certified mail on September 30, 1998, as indicated by the attached card.

This the 5 day of October, 1998.

DEED BOOK 188 PAGE 55

03460

FILED FOR REGISTRATION
June 18, 1996 4:41 P.M.
DATE TIME
AND RECORDED IN BOOK 188 PAGE 55
HENRY I. SHORE, REGISTER OF DEEDS
DAVIE COUNTY, NC
BY Doris C. Williams
Assistant

NO TAXABLE CONSIDERATION STATED

Excise Tax

Recording Time, Book and Page

Tax Lot No. ..... Parcel Identifier No. .....

Verified by ..... County on the day of ....., 19 ....

by .....

Mail after recording to Grantee @ 179 River Rd., Advance, NC 27006

This instrument was prepared by Henry P. Van Hoy II, Attorney at Law, Mocksville, NC

Brief description for the Index 7.571 acres

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this ~~23rd~~ 18 day of ~~May~~ June, 1996, by and between

GRANTOR	GRANTEE
JEFFREY BRIAN HARRISON & WIFE PEGGY C. HARRISON	J.B.HARRISON PROPERTIES, LLC, A NORTH CAROLINA LIMITED LIABILITY COMPANY

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of , Township, DAVIE County, North Carolina and more particularly described as follows:

DESCRIPTION ATTACHED AS EXHIBIT "A"

teh: 11.45

DEED TRANSFER CHECKED

DATE 6-18-96 BY Pat Moore
TAX SUPERVISOR

N. C. Bar Assoc. Form No. 3 © 1976, Revised © 1977 — James Williams & Co., Inc., Box 127, Yadkinville, N. C. 27055
Printed by Agreement with the N. C. Bar Assoc. - 1981

DEED BOOK 188 PAGE 56

The property hereinabove described was acquired by Grantor by instrument recorded in .....

.....

A map showing the above described property is recorded in Plat Book ..... page ..... .

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated.
Title to the property hereinabove described is subject to the following exceptions:

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

..... (Corporate Name)

By: .....

..... President

ATTEST:

.....

..... Secretary (Corporate Seal)

USE BLACK INK ONLY

Jeffrey Brian Harrison (SEAL)

Peggy C. Harrison (SEAL)

..... (SEAL)

..... (SEAL)

SEAL-STAMP

NORTH CAROLINA, Iredell County.

I, a Notary Public of the County and State aforesaid, certify that Jeffrey Brian Harrison and wife, Peggy C. Harrison Grantor, personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 18 day of June, 19 96

My commission expires: 10-11-2000 Linda R. Doby Notary Public

Use Black Ink

SEAL-STAMP

NORTH CAROLINA, ... County.

I, a Notary Public of the County and State aforesaid, certify that .....,

personally came before me this day and acknowledged that ..... he is ..... Secretary of ..... a North Carolina corporation, and that by authority duly given and as the act of the corporation, the foregoing instrument was signed in its name by its ..... President, sealed with its corporate seal and attested by ..... as its ..... Secretary.

Witness my hand and official stamp or seal, this ..... day of ....., 19.....

My commission expires: .... Notary Public

Use Black Ink

The foregoing Certificate(s) of Linda R. Doby Notary Public of Iredell County

is/~~are~~ certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the first page hereof.

HENRY L. SHORE REGISTER OF DEEDS FOR DAVIE COUNTY

By Doris C. Williams ~~Deputy~~ Assistant - Register of Deeds

N. C. Bar Assoc. Form No. 3 © 1976. Revised © 1977 – James Williams & Co., Inc., Box 127, Yadkinville, N. C. 27055
Printed by Agreement with the N. C. Bar Assoc. – 1981

EXHIBIT "A"

JEFFREY BRIAN HARRISON AND WIFE PEGGY C. HARRISON TO J. B. HARRISON PROPERTIES, LLC

BEGINNING at an existing iron pin, located along the Northern Right of Way line of U.S. 158, being a common corner with Jeffson Inc.(Deed Book 81, Page 195), being the Southeast corner of the within described tract; thence with the property line of Jeffson Inc. and J.B. Harrison, North 69° 08' 21" West 693.37 feet to an existing iron pin, the Southwest corner of J.B. Harrison, the Northwest corner of Jeffson Inc. and located along the Eastern property line of W.P. Harrison (Deed Book 86,Page 445)(Deed Book 104, Page 885): thence with the W.P. Harrison property line N 19° 23' 11" East passing through an existing iron pin a distance of 24.32 feet and continuing along the same line a distance of 345.34 feet, a total distance of 369.66 feet, to a placed iron pin, the Northeast corner of W.P. Harrison, located along the Southern right of way line of Interstate Highway I-40; thence with said right of way line South 85° 48' 48" East 249.65 feet to a broken right of way monument; thence continuing with said right of way, North 88° 40' 09" East 100.11 feet to an existing iron pin, the Southeast corner of Quik Pik III property (Deed Book 121, page 364) thence leaving the right of way line of I-40 and with Quik Pik III property lines, the following two call, South 45° 25' 50" East 267.57 feet to and existing iron pin; thence North 44° 49' 39" East 199.02 feet to an existing iron pin, the Northeast corner of Quik Pik III and located in the Western right of way line on N.C. Highway 801; thence with said right of way South 45° 10' 21" East 30.07 feet to an existing iron pin the Northwest corner of W.P. Harrison (Deed BooK 104, Page 649): thence leaving the right of way of N.C. 801 and along the Western property line of W.P. Harrison, South 02° 08' 12" West 405.07 feet to an existing iron pin, the Southwest corner of W.P. Harrison and being located on the Northern right ow way line of U.S. Highway 158; thence with said right of way line South 54° 37' 05" West 192.22 feet to an existing iron pin, the **POINT OF BEGINNING**, and containing 7.571 acres, as per survey by Tutterow Surveying Co., Dated 11/22/95, revised 5-21-96, drawing #25995-4.

DEED REFERENCE: DEED BOOK 113, PAGE 764, AND DEED BOOK 80, PAGE 48.

Davie Tax Map D-7, Parcel 223.01

teh: 11.45

REAL ESTATE (11.45)BR
A:\HARRISON.JB

DEED BOOK 188 PAGE 58

03461

FILED FOR REGISTRATION
June 18, 1996 4:41 P.M.
DATE TIME
AND RECORDED IN BOOK 188 PAGE 58
HENRY L. SHORE, REGISTER OF DEEDS
DAVIE COUNTY, NC
BY Doris C. Williams
Assistant

NO TAXABLE CONSIDERATION STATED

Excise Tax

Recording Time, Book and Page

Tax Lot No. ..... Parcel Identifier No. .....

Verified by ..... County on the day of ....., 19 ....

by .....

Mail after recording to Grantee @ 179 River Rd., Advance, NC 27006

This instrument was prepared by Henry P. Van Hoy, II, Attorney at Law, Mocksville, NC

Brief description for the Index 1.165 acre

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this ~~23rd~~ 18 day of ~~May~~ June, 19 96, by and between

GRANTOR	GRANTEE
JEFFSON, INC., A NORTH CAROLINA CORPORATION	J.B. HARRISON PROPERTIES, LLC, A NORTH CAROLINA LIMITED LIABILITY COMPANY

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of ....., ... Township, DAVIE County, North Carolina and more particularly described as follows:

DESCRIPTION ATTACHED AS EXHIBIT "A"

TEH: 11.45

DEED TRANSFER CHECKED

DATE 6-18-96 BY Pat Meeks
TAX SUPERVISOR

N. C. Bar Assoc. Form No. 3 © 1976, Revised © 1977 – James Williams & Co., Inc., Box 127, Yadkinville, N. C. 27055
Printed by Agreement with the N. C. Bar Assoc. – 1981

The property hereinabove described was acquired by Grantor by instrument recorded in .....

A map showing the above described property is recorded in Plat Book ..... page .....

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated.
Title to the property hereinabove described is subject to the following exceptions:

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

JEFFSON, INC.
(Corporate Name)

By: W. C. Harrison
President

ATTEST:
Secretary (Corporate Seal)

USE BLACK INK ONLY

.....(SEAL)

.....(SEAL)

.....(SEAL)

.....(SEAL)

SEAL-STAMP

Use Black Ink

NORTH CAROLINA, ... County.

I, a Notary Public of the County and State aforesaid, certify that .....
..... Grantor,
personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this ..... day of ....., 19.....

My commission expires: ..... Notary Public

SEAL-STAMP

Use Black Ink

NORTH CAROLINA, Iredell County.

I, a Notary Public of the County and State aforesaid, certify that Jeffrey B. Harrison, personally came before me this day and acknowledged that he is ..... Secretary of Jeffson, Inc. a North Carolina corporation, and that by authority duly given and as the act of the corporation, the foregoing instrument was signed in its name by its ..... President, sealed with its corporate seal and attested by him as its ..... Secretary.

Witness my hand and official stamp or seal, this 18 day of June, 19 96.

My commission expires: 10-11-2000 Linda R. Doby Notary Public

The foregoing Certificate(s) of Linda R. Doby Notary Public of Iredell County

is/~~are~~ certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the first page hereof.

HENRY L. SHORE REGISTER OF DEEDS FOR DAVIE COUNTY

By Doris C. Williams ~~Deputy~~/Assistant - Register of Deeds

N. C. Bar Assoc. Form No. 3 © 1976, Revised © 1977 — James Williams & Co., Inc., Box 127, Yadkinville, N. C. 27055
Printed by Agreement with the N. C. Bar Assoc. — 1981

EXHIBIT "A"

JEFFSON, INC. TO TO J. B. HARRISON PROPERTIES, LLC

BEGINNING at an existing iron pin, located in the Northern right of way line of U.S. Highway, being the Northeast corner of the within described tract and the Southeast corner of J.B. Harrison (Deed Book 113, Page 764): thence with the southern property line of J.B. Harrison, North 69° 08' 21" West 693.37 feet to an existing iron pin, the Northwest corner of the within described tract, the Southwest corner of J.B. Harrison and being located in the Western property line of W.P. Harrison (Deed Book 86, page 445) (Deed Book 104, page 885): thence with the Western line of W.P. Harrison, South 19° 23' 11" West 95.51 feet, to an iron pin, a new corner for Jeffson Inc.; thence leaving the W.P. Harrison property line, with a new property line for Jeffson Inc., South 72° 39' 34" east 667.11 feet to a new iron pin, a new corner for Jeffson Inc., said iron being located in the Western right of way line of U.S. Highway 158; thence with said right of way line, North 45° 33' 05" East 60.00 feet to the **POINT OF BEGINNING**, containing 1.165 acre, as per survey by Tutterow Surveying Co. Dated 11/22/95, revised 5-21-96, drawing #25995-4.

DEED REFERENCE; DEED BOOK 81, PAGE 195, AND DEED BOOK 80, PAGE 48.

DAVIE COUNTY TAX MAP D-7, PART OF PARCEL 222

TEH: 11.45

REAL ESTATE (11.45)BR
A:\HARRISON.JB

Jeff. Harrison
139 River Rd
Advance NC 27006

DEED BOOK 188 PAGE 61

NORTH CAROLINA

DAVIE COUNTY

ASSIGNMENT OF LEASES

03462

THIS ASSIGNMENT made this 18 day of ~~May~~ June, 1996, between J. B. HARRISON PROPERTIES, a North Carolina General Partnership (herein the "PARTNERSHIP") and J. B. HARRISON PROPERTIES, LLC, a North Carolina Limited Liability Company (herein the "LLC").

INTRODUCTION

The PARTNERSHIP has entered into the following lease agreements as Landlord with the Tenants named below:

FOOD LION, INC., lease dated December 6th, 1995

REVCO DISCOUNT DRUG CENTERS, INC., lease dated December 18th, 1995

ACTION VIDEO, INC., lease dated April 8, 1996

The leases are referred to herein collectively as the "Leases." The PARTNERSHIP desires to assign all its rights to and under the Leases and the Landlord's duties thereunder to the LLC and the LLC desires to assume the duties of the Landlord and to have all the rights of the Landlord under the Leases pursuant to the following terms and conditions.

TERMS AND CONDITIONS

1. **ASSIGNMENT.** The PARTNERSHIP assigns to the LLC all its rights, title, and interest in and to the Leases.

2. **ASSUMPTION OF DUTIES, HOLD HARMLESS.** The LLC assumes all duties of the Landlord under the Leases. The LLC shall hold harmless the PARTNERSHIP from any and all claims made by the Tenants or third parties under the leases for any matter arising out of duties or liabilities imposed upon the Landlord under the Leases.

3. **RIGHT TO ASSIGN.** The PARTNERSHIP represents that it has the authority to assign the Leases, and that the Leases are valid and in full force and effect in accordance with the terms thereof.

4. **AUTHORITY.** The Partnership represents that any partner has the authority to

execute the assignment on behalf of the PARTNERSHIP. The LLC represents that it is a manager managed LLC and JEFFREY BRIAN HARRISON is the manager with full authority to execute this Assignment Agreement.

EXECUTED the 1K day of ~~May~~ Jun, 1996.

J. B. HARRISON PROPERTIES, A General North Carolina Partnership (SEAL)

By: _____ (SEAL)
JEFFREY BRIAN HARRISON, General Partner

J. B. HARRISON PROPERTIES, LLC (SEAL)

By: _____ (SEAL)
JEFFREY BRIAN HARRISON, Manager

C:\WP51\DOC\HARRISO.ASG
MVSR: 11.45

ACKNOWLEDGMENTS

STATE OF NORTH CAROLINA

DAVIE COUNTY

I, the undersigned Notary Public, of Davie County, North Carolina, do certify that JEFFREY BRIAN HARRISON, as a Partner of J. B. HARRISON PROPERTIES, a North Carolina General Partnership, personally appeared before me and acknowledged the due execution of the foregoing instrument on behalf of the Partnership.

WITNESS my hand and official seal this the 18 day of ~~May~~ June, 1996.

Notary Public

HENRY P. VAN HOY II NOTARY PUBLIC DAVIE COUNTY, NC

My Commission Expires: 7-6-97

****

STATE OF NORTH CAROLINA

DAVIE COUNTY

I, the undersigned Notary Public, of Davie County, North Carolina, do certify that JEFFREY BRIAN HARRISON, as Manager of J. B. HARRISON PROPERTIES, LLC, a North Carolina Limited Liability Company, personally appeared before me and acknowledged the due execution of the foregoing instrument on behalf of the Company.

WITNESS my hand and official seal this the 18 day of ~~May~~ June, 1996.

Notary Public

HENRY P. VAN HOY II NOTARY PUBLIC DAVIE COUNTY, NC

My Commission Expires: 7-6-97

NORTH CAROLINA, DAVIE COUNTY

The foregoing certificate (s) of Henry P. Van Hoy II Notary Public ~~(s)~~ of Davie County ~~(s)~~(are) certified to be correct. This instrument was presented for registration this 18 day of June, 19 96 at 4:41 ~~XXM~~., P.M., and duly recorded in the office of the register of Deeds of DAVIE COUNTY, North Carolina in Book 188 Page 61

This the 18 day of June, A. D., 19 96

Henry L. Shore
REGISTER OF DEEDS

By: Doris C. Williams
ASSISTANT, ~~XXXXXX~~ REGISTER OF DEEDS

APPENDIX 5

SITE PHOTOGRAPHS

Photograph #1- Front (east) elevation of Building 1 at the Project

Photograph #2- Left (south) side elevation of Building 1 at the Project

Photograph #3- Right (north) side elevation of Building 1 at the Project

Photograph #4- Portion of rear (west) elevation of Building 1 at the Project

Photograph #5- Front (north) elevation of Building 2 at the Project

Photograph #6- Left (east) elevation of Building 2 at the Project

Photograph #7- Right (west) elevation of Building 2 at the Project

Photograph #8- Rear (south) elevation of Building 2 at the Project

Photograph #9- Typical dumpster

Photograph #10- Typical pad-mounted transformer on the northwestern portion of the Project

Photograph #11- Food grease trap and grease bin at rear of Building 1 for restaurant tenant space

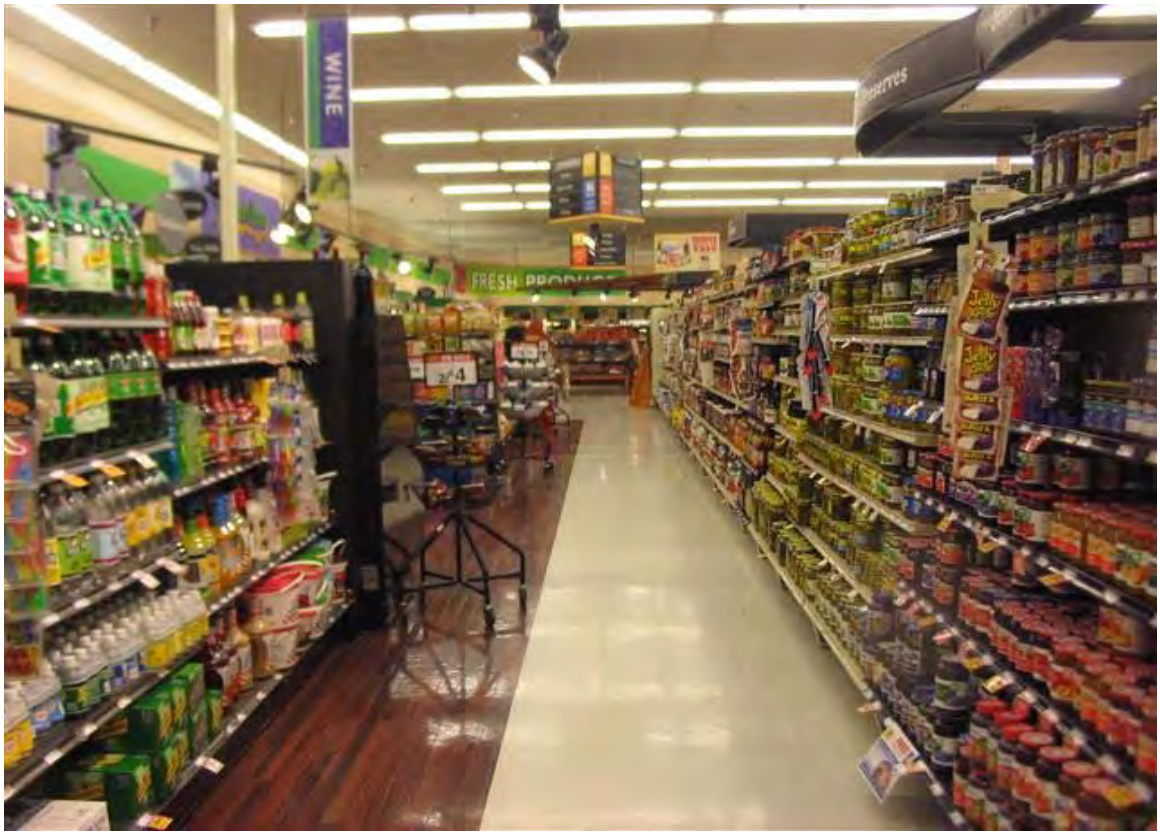
Photograph #12- Overview of parking lot in front of Building 1 at the Project, facing west

Photograph #13- Sample point for S-1-16/WS-3 in front of the former dry-cleaning facility

Photograph #14- Sample point for S-3-4/WS-4 at rear of the former dry-cleaning facility

Photograph #15- Corroded concrete in area of former machinery inside the former dry-cleaner tenant space

Photograph #16- Sample point for S-4-3/WS-5 within concrete floor slab of the former dry-cleaning facility



Photograph #17- Typical interior view of Food Lion tenant space in Building 1

Photograph #18- Interior view of vacant tenant space (former Movie Gallery) in Building 2

Photograph #19- Sample point WS-1 along eastern property boundary, adjacent to off-site USTs

Photograph #20- Sample point WS-2 along northeastern property boundary

Photograph #21- Adjacent property to the east-northeast – Wendy's

Photograph #22- Adjacent properties to the east – Four Brother's BP Gasoline Station and McDonald's

Photograph #23- Northeast Project entrance and adjacent properties to the northeast – NC Highway 801, beyond which is the former 801 Shell Station property

Photograph #24- Adjacent property to the west – undeveloped land

Photograph #25- Adjacent property to the southwest – JeffCo business

Photograph #26- Adjacent properties to the southeast – US Highway 158, beyond which are Bojangles, Quest Coffee and BB&T and Bojangles

APPENDIX 6

PHASE I AUDIT ENVIRONMENTAL SCREENING INSPECTION FORM

Environmental Screening Inspection (ESI) Form

(Print or type information and check all appropriate boxes)
DO NOT LEAVE ANY CATEGORIES UNANSWERED

Project Name:			**Tanglewood Crossing**				
Address/Location:			**5273 Highway 158**				
City:	**Advance**	**County:**	**Davie**	**State:**	**NC**	**Site Contact:**	**Jeffrey Harrison**
Date:	**11/16/10**	☒ **AM**	☐ **PM**	**Job #:**	**09-8176.2**	**Phone #:**	**336-998-8193**
Inspected by:	**Amanda L. Petoskey**						
Signature:	Amanda L. Petoskey						

Instructions:

This Environmental Screening Inspection Form defines the scope of work to be performed in a checklist format and is the document on which the Inspector shall record the observations during the inspection.

This inspection Form shall be completed in the field by the Inspector performing the non-destructive physical inspection of the subject property to document his/her observations on-site and, to the extent possible, on the adjacent property. The inspector shall not disturb, dismantle or rearrange any materials, containers, or equipment in performance of the inspection. The Inspector should be equipped with binoculars, a camera, a compass and a site plan depicting the legal boundaries of the subject property to perform the inspection. The inspector is responsible for arranging access to the property and making all necessary preparations, including personal safety provisions, such as appropriate protective footwear and clothing.

The Inspector shall walk the entire perimeter boundary of the subject property, walk each side of all on-site wet and dry drainage arteries, walk around all on-site portions of water bodies, walk all roads, drives, and pathways, walk around and through all building improvements, and walk an appropriate grid pattern over the remaining area not covered above, including wooded/overgrown areas, to observe and record evidence of environmental concern. The Inspector shall take photographs depicting the general overall condition of the property/improvements and photograph each item of environmental concern observed to document its condition and delineate its location on a site plan drawing. Check-mark all boxes that indicate the conditions observed, appropriately fill in the blanks when applicable plus initial and date each sheet.

I. Property Description: property size: **8.27** acres ☐ undeveloped land

☒ paving & utility improvements ☒ building improvements

☒ occupied ☐ unoccupied ☐ fenced # of buildings: **2**

II. Utilities Serving the Subject Property:

☒ municipal sewer ☐ septic system ☒ floor drains

☒ municipal water ☐ well water

III. Off-Site Adjacent Properties:

The Inspector shall observe to the extent possible conditions of concern on all adjacent properties from the subject property's perimeter boundary and from public streets, alleys, sidewalks, etc. An "adjacent property" means the property is 1) abutting, where it shares the same property line, or 2) separated from the subject property only by an easement such as a road, street, alley, highway, railroad, etc., which would otherwise be abutting. Check the appropriate boxes to define the observed relationship and characteristics of the adjacent sites.

Table 1:
OFF-SITE ADJACENT PROPERTIES

Observed Concerns	This adjacent property to the: ☒ North ☐ Northeast	This adjacent property to the: ☒ East ☐ Southeast	This adjacent property to the: ☒ South ☒ Southwest	This adjacent property to the: ☒ West ☐ Northwest
	Is: ☐ Upgradient ☐ Downgradient ☒ Crossgradient to the Project.	Is: ☒ Upgradient ☐ Downgradient ☐ Crossgradient to the Project.	Is: ☐ Upgradient ☐ Downgradient ☒ Crossgradient to the Project.	Is: ☐ Upgradient ☒ Downgradient ☐ Crossgradient to the Project.
Underground Storage Tanks	☐	☒	☐	☐
Impoundment/holding ponds	☐	☐	☐	☐
Monitoring wells	☐	☒	☐	☐
Chemical odors	☐	☐	☐	☐
Air emissions	☐	☐	☐	☐
Industrial/manufacturing activity	☐	☐	☐	☐
Aboveground storage tanks	☐	☐	☐	☐
Dumping	☐	☐	☐	☐
Landfill/burial activity	☐	☐	☐	☐
Stained/discolored soil	☐	☐	☐	☐
Evidence of spills or releases	☐	☐	☐	☐
Waste water discharges	☐	☐	☐	☐
Current Use	Interstate 40	Wendy's, BP Gas Station, NC Hwy 801, beyond is former 801 Shell Station	JeffCo, US Hwy 158, beyond is Quest Coffee, Bojangles and BB&T	Undeveloped land
OCCUPIED/UNOCCUPIED	Occupied	Occupied	Occupied	Unoccupied

IV. **On-Site Industrial/Manufacturing Activity:**

When an industrial/manufacturing activity is now, or evidence indicates it has previously been in operations on the subject property that may be involved with the generation, storage, treatment, transportation, recycling, or disposal of hazardous, or toxic wastes, the Inspector shall appropriately check-mark below and photograph the environmentally sensitive activities or evidence observed.

The following activity, or evidence thereof, was observed on-site:

Dispensing of petroleum products into vehicles (i.e. gasoline, diesel/kerosene, oil, etc.)…..	☒ No	☐ Yes
Motor Vehicle repairs/maintenance…….	☒ No	☐ Yes
Vehicle/equipment degreasing/washing……..	☒ No	☐ Yes
Hazardous waste transportation, storage and disposal……	☒ No	☐ Yes
Freight terminal……	☒ No	☐ Yes
Machine shops…….	☒ No	☐ Yes
Landfill…….	☒ No	☐ Yes
Wastewater treatment process……..	☒ No	☐ Yes
Incineration furnace/air emissions……	☒ No	☐ Yes
Recycling process…….	☒ No	☐ Yes
Junk/scrap yard…….	☒ No	☐ Yes
Gasoline station/convenience store……..	☒ No	☐ Yes
Airport……..	☒ No	☐ Yes
Railroad yard/spur……	☒ No	☐ Yes
Military base……	☒ No	☐ Yes
Power Plant……..	☒ No	☐ Yes
Asphalt or cement plant……	☒ No	☐ Yes
Oil & gas exploration/production/refining……	☒ No	☐ Yes
Mining……..	☒ No	☐ Yes
Foundries/casting operations……	☒ No	☐ Yes
Herbicide/pesticide manufacturing/storage……..	☒ No	☐ Yes
Chemical manufacturing/treatment……	☒ No	☐ Yes
Metal plating or finishing……..	☒ No	☐ Yes
Metal fabrication or production…….	☒ No	☐ Yes
Textile and leather manufacturing…….	☒ No	☐ Yes
Wood preservation or finishing…….	☒ No	☐ Yes
Paper manufacturing……..	☒ No	☐ Yes
Printing industries……..	☒ No	☐ Yes
Pharmaceutical production…….	☒ No	☐ Yes
Plastic Fabrication and manufacturing……	☒ No	☐ Yes
Livestock feed lots…….	☒ No	☐ Yes
Agricultural/horticultural production…….	☒ No	☐ Yes
Explosives manufacturing……..	☒ No	☐ Yes
Dry cleaning facilities……	☒ No	☐ Yes
Inks, dye and paint manufacturing or use……..	☒ No	☐ Yes
Photochemical laboratories……	☒ No	☐ Yes
Analytical testing laboratories……	☒ No	☐ Yes
Fertilizer manufacturing…….	☒ No	☐ Yes

V. SPECIFIC ON-SITE CONDITIONS OF CONCERNS

The following specific conditions or items of concern were observed on the Project:

a.	Above storage tanks (AST)	☒ No ☐ Yes	Photo #'s:	_____
b.	Underground storage tanks (UST)	☒ No ☐ Yes	Photo #'s:	_____
c.	Pipelines	☒ No ☐ Yes	Photo #'s:	_____
d.	Damaged/leaking transformers	☒ No ☐ Yes	Photo #'s:	_____
e.	Surface impoundment/holding ponds (other than storm water retention)	☒ No ☐ Yes	Photo #'s:	_____
f.	Monitoring wells	☒ No ☐ Yes	Photo #'s:	_____
g.	Remedial cleanup activity	☒ No ☐ Yes	Photo #'s:	_____
h.	Landfill/burial activity	☒ No ☐ Yes	Photo #'s:	_____
i.	Chemical spills or releases	☒ No ☐ Yes	Photo #'s:	_____
j.	Gas/oily sheens on water (excluding parking lot ponding on well-paved lots)	☒ No ☐ Yes	Photo #'s:	_____
k.	Chemical/petroleum odors	☒ No ☐ Yes	Photo #'s:	_____
l.	Stained or discolored soil	☒ No ☐ Yes	Photo #'s:	_____
m.	Distressed/discolored vegetation (chemically impacted)	☒ No ☐ Yes	Photo #'s:	_____
n.	Dumping	☒ No ☐ Yes	Photo #'s:	_____
o.	Stored substances/drums/containers/vats	☐ No ☒ Yes	Photo #'s:	11
p.	Spray rigs/tankers/mobile storage tanks	☒ No ☐ Yes	Photo #'s:	_____
q.	Sprayed on structural fire proofing	☒ No ☐ Yes	Photo #'s:	_____
r.	Sprayed on acoustical/textured ceilings	☒ No ☐ Yes	Photo #'s:	_____
s.	Friable/damaged thermal insulation	☒ No ☐ Yes	Photo #'s:	_____
t.	Marshes/low lying wetlands	☒ No ☐ Yes	Photo #'s:	_____
u.	Farm wastes/manure stockpiles	☒ No ☐ Yes	Photo #'s:	_____
v.	Vehicle wash areas	☒ No ☐ Yes	Photo #'s:	_____

Note: Photograph each item checked "Yes" above to appropriately document its condition. More than one photo may be required on multiple conditions or locations.

VI. Attachment: Site Plan Drawing(s) ☐ No ☒ Yes

VII. Attachment: Color Photographs ☐ No ☒ Yes

APPENDIX 7

USER ENVIRONMENTAL QUESTIONNAIRE

9307 Monroe Road, Suite K
Charlotte, North Carolina 28270
T 704.846.8853 F 704.846.3271
enviroassessments.com

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ENVIRONMENTAL SITE ASSESSMENT GENERAL QUESTIONNAIRE

Property Name: Tanglewood Crossing

Address: 5273, 5275, 5277, 5279, 5281, 5283, 5285, 5287, 5289 Highway 158

City/State/Zip: Advance, North Carolina 27006

Name of person completing questionnaire: Amanda Petoskey

Association with Project: EnviroAssessments

Length of Time with Project: _____

Phone Number: 704.846.8853

Date: 11/29/2010

PROPERTY DESCRIPTION (Please provide a site map if available)

Property Size (acres/sq ft): 8.27

Number of Building(s): 2

Size of Building(s) (sq ft): 59,143 & 9,775

Date(s) of Construction: 1997, 2004

For retail, office, or industrial, please provide net rentable SF: 68,918

For multifamily, hotel, mobile home park, provide number of living units, guest rooms, or pad sites: **N/A**

Please provide any of the following, if applicable:

Registrations for underground and aboveground storage tanks, geotechnical studies, material safety data sheets (MSDS), hazardous waste generator notices or reports, information pertaining to current or historic waste generation and disposal activities (i.e. septic systems, waste discharges, hazardous, regulated, medical wastes, etc.), safety plans (i.e. spill prevention, countermeasure, etc.), registration for underground injection systems, prior Phase 1 Environmental Assessments, and environmental permits.

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Site Location: 5273 US Hwy 158, Advance, NC	Job Number: 09-8176.2				Date: 11/15/2010
Question	User				Comments
	Yes	No	Unk	NA	
1. Is the Project or any adjoining property currently used, or have they been used, for industrial purposes?	☐	☒	☐	☐	
2. Is the Project or any adjoining property currently used, or have they been used, as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility?	☒	☐	☐	☐	
3. Has fill dirt been brought onto the Project that originated from a contaminated site or an unknown origin?	☐	☒	☐	☐	
4. Have any hazardous or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried and/or burned at the Project?	☐	☒	☐	☐	
5. Are there currently, or have there been previously, any pits, ponds, or lagoons located at the Project in connection with waste treatment or disposal?	☐	☒	☐	☐	
6. Are there currently, or have there been previously, any registered or unregistered above ground or underground storage tanks located at the Project?	☐	☒	☐	☐	
7. Are there currently, or have there been previously, any flooring, drains, or walls located at the Project that are stained by substances other than water or are emitting foul odors?	☐	☒	☐	☐	
8. Are there currently, or have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground at the Project or adjacent to any structures located at the Project?	☐	☒	☐	☐	
9. If the Project operates a well or non-public water system, have contaminants been identified in the well or system that exceeded guidelines applicable to the water system, or has the well been designated as contaminated by any government environmental/health agency?	☐	☐	☐	☒	
10. Do you have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the Project?	☐	☒	☐	☐	
11. Are there any threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of hazardous substances or	☐	☒	☐	☐	

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Site Location: 5273 US Hwy 158, Advance, NC	Job Number: 09-8176.2				Date: 11/15/2010
Question	User				Comments
	Yes	No	Unk	NA	
petroleum products involving the Project?					
12. Do you have any knowledge of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the Project?	☐	☒	☐	☐	
13. Are there currently, or have there been previously, any industrial Drums (typically 55 gallon) or sacks of chemicals located at the Project?	☐	☒	☐	☐	
14. Are there currently, or have there been previously, any groundwater monitoring wells or other groundwater wells (i.e. potable drinking water wells) located at the Project?	☐	☒	☐	☐	
15. Is there currently, or has there been previously, any stained soil at the Project?	☐	☒	☐	☐	
16. Does the Project discharge waste water on or adjacent to the Project, other than storm water, into a storm water sewer system?	☐	☒	☐	☐	
17. Is there a transformer, capacitor or any hydraulic equipment for which there are any records indicating the presence of PCB's at the Project?	☐	☒	☐	☐	
18. Is there now, or has there been previously, any asbestos-containing materials (ACM's), in any application, at the Project?	☐	☐	☒	☐	
19. Has there been an asbestos survey of the Project that included physical sampling by a qualified firm?	☐	☒	☐	☐	
20. Is there an Asbestos Operations and Maintenance (O&M) Program in place at the Project?	☐	☒	☐	☐	
21. Is there currently, or has there been previously, any lead-based paint applications at the Project?	☐	☐	☒	☐	
22. Has the Project been tested for lead-based paint?	☐	☒	☐	☐	
23. Is there a Lead Paint Operations and Maintenance (O&M) Program in place at the Project?	☐	☒	☐	☐	
24. Has the water at the Project been tested for lead?	☐	☐	☒	☐	
25. Has radon testing ever been conducted at the Project?	☐	☐	☒	☐	
26. Is the Project or any portion of the Project located or involved in any environmentally sensitive areas (i.e. wetlands, coastal barrier resource areas, coastal barrier improvement act areas, flood plains, endangered species, etc.)?	☐	☒	☐	☐	
27. Has any suspect mold or moisture issues likely to lead to mold been identified in the building(s) or HVAC system(s)?	☐	☒	☐	☐	
28. Are there reliable procedures that specify the actions (i.e. operations and maintenance) to be taken to prevent and/or respond to mold or mold producing problems?	☐	☐	☒	☐	

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Site Location: 5273 US Hwy 158, Advance, NC	Job Number: 09-8176.2				Date: 11/15/2010
Question	User				Comments
	Yes	No	Unk	NA	
29. Are there any areas of known suspect mold growth or mildew odors?	☐	☒	☐	☐	
30. Is there a Mold Operations and Maintenance (O&M) Program in place at the Project?	☐	☐	☒	☐	
31. Has a Phase I Environmental Assessment, asbestos survey, tank closure/removal report or other environmental study of the Project ever been performed? (If yes, please provide a copy)	☒	☐	☐	☐	
32. Summarize historical Project use (when was the Project developed with the current improvements, what modifications have taken place, what was the Project used for prior to it's current use)	Prior to development, the area was used for farming and grazing cattle. Project development began in 1996.				

APPENDIX 8

RECORDS OF COMMUNICATION

9307 Monroe Road, Suite K
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Record of Communication

Date:	**11/8,9,15/2010**	**Time:**	**various**
Project Number:	**09-8176.2**	**Recorded by:**	**Amanda Petoskey**
Project Name:	**Tanglewood Crossing**		

Communication with: **Ashby Hackney**
of: **Hackney Real Estate Partners**
Phone: **804-288-3081**

Communication via:

- ☒ **Telephone Conversation**
- ☐ **Discussions During Site Inspection**
- ☐ **Office Visitation/Meeting at:**
- ☒ **Other: Email**

Re:
Site Access

Summary of Communication:
Mr. Hackney informed EA personnel that Mark Weaver at JeffCo has the keys for the two vacant units at the Project. Mr. Hackney provided EA with Mr. Weavers contact information. Mr. Hackney also informed EA that Jeff Harrison (current owner) would be the person to complete the questionnaire.

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Record of Communication

Date:	**11/9,15,16/2010**	**Time:**	**various**
Project Number:	**09-8176.2**	**Recorded by:**	**Amanda Petoskey**
Project Name:	**Tanglewood Crossing**		

Communication with: **Mark Weaver**
of: **JeffCo**
Phone: **336-998-8193 ext. 2308**

Communication via:

- ☒ **Telephone Conversation**
- ☒ **Discussions During Site Inspection**
- ☐ **Office Visitation/Meeting at:**
- ☐ **Other: Email**

Re:
Site Access

Summary of Communication:
EA contacted Mr. Weaver to see when we could access the property. Mr. Weaver stated he had the keys for the two vacant units and that we could pick them up anytime at his office (which is next door to Tanglewood). EA picked the keys up on the morning of the 16th and returned them to Mr. Weaver that same afternoon.

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Record of Communication

Date:	**11/24/2010**	**Time:**	**1:30 pm**
Project Number:	**09-8176.2**	**Recorded by:**	**Amanda Petoskey**
Project Name:	**Tanglewood Crossing**		

Communication with: **Adam Howard**
of: **Smith Grove Fire Department**
Phone: **336- 998-3484**

Communication via:

- ☒ **Telephone Conversation**
- ☐ **Discussions During Site Inspection**
- ☐ **Office Visitation/Meeting at:**
- ☐ **Other: Fax**

Re:
USTs, ASTs, fires, spills and releases

Summary of Communication:
EA contacted Mr. Adam Howard with the Smith Grove Fire Department regarding any spills, leaks, or other environmental responses to the Project. According to Mr. Howard, the fire department has not had any environmental related calls out to the Project since it was constructed.

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Record of Communication

Date:	**11/24/2010**	**Time:**	**various**
Project Number:	**09-8176.2**	**Recorded by:**	**Amanda Petoskey**
Project Name:	**Tanglewood Crossing**		

Communication with: **Mr. Jack Kitchen**
of: **NCDENR WSRO – Superfund Section**
Phone: **336-771-5000**

Communication via:

- ☒ **Telephone Conversation**
- ☐ **Discussions During Site Inspection**
- ☐ **Office Visitation/Meeting at:**
- ☐ **Other: Fax**

Re:
Information on former dry-cleaning facility

Summary of Communication:
EA contacted Mr. Jack Kitchen with the Superfund Section to inquire about the prior dry-cleaning facility. Mr. Kitchen was not available, therefore EA left a voicemail. EA's call was not returned by the write date of this report. Any pertinent information will be forwarded on.

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Record of Communication

Date:	**11/24/2010**	**Time:**	**various**
Project Number:	**09-8176.2**	**Recorded by:**	**Amanda Petoskey**
Project Name:	**Tanglewood Crossing**		

Communication with: **Ms. Linda Estkowski**
of: **NCDENR WSRO – UST Division**
Phone: **336-771-5000**

Communication via:

- ☒ **Telephone Conversation**
- ☐ **Discussions During Site Inspection**
- ☐ **Office Visitation/Meeting at:**
- ☐ **Other: Fax**

Re:
Information on current and former USTs, file review documents

Summary of Communication:
As part of the current Phase I ESA Update EA personnel contacted Ms. Linda Estkowski at the NC DENR WSRO regarding the off-site former gasoline filling station [801 Shell Service (Incident # 30557)] adjacent to the northeast and east of the Project. According to Ms. Estkowski, the NCDENR issued a Notice of No Further Action (NFA) on March 1, 2010 after reviewing the Notice of Residual Petroleum (NRP), received on February 24, 2010. Ms. Estkowski checked and verified that they still do not have a release incident reported for the current 4 Brother's Food Mart (adjacent to the east of the Project).

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Record of Communication

Date:	**11/29/2010**	**Time:**	**11:30**
Project Number:	**09-8176.2**	**Recorded by:**	**Amanda Petoskey**
Project Name:	**Tanglewood Crossing**		

Communication with: **Mr. John Powers**
of: **NCDENR WSRO – Superfund Section**
Phone: **336-771-5000**

Communication via:

- ☒ **Telephone Conversation**
- ☐ **Discussions During Site Inspection**
- ☐ **Office Visitation/Meeting at:**
- ☐ **Other: Fax**

Re:
Information on former dry-cleaning facility

Summary of Communication:
Mr. Powers stated that Mr. Kitchen forwarded the message on to him regarding the former K&R Cleaners. Mr. Powers stated that they did not have much information regarding the former cleaners, they did have a note from a visit to the site in 2008 that at that time the space was used for a pick-up station only and that the PERK machine and waste had been removed. The earliest reference in their system was for a boiler inspection on 5/6/1986, however Mr. Powers stated that could have been a typo since EA informed him that the Project strip center (Building 1) was constructed in 1997. No other information was provided by Mr. Powers.

APPENDIX 9

LABORATORY ANALYTICAL REPORT

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

November 24, 2010

Ms. Amanda Petoskey
EnviroAssessments
9307 Monroe Rd. Ste. K
Charlotte, NC 28270

RE: Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Dear Ms. Petoskey:
Enclosed are the analytical results for sample(s) received by the laboratory on November 17, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Brandon Helton

brandon.helton@pacelabs.com
Project Manager

Enclosures

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9282273001	**S-1-16**	EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9282273002	**S-2-16**	EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9282273003	**S-3-4**	EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9282273004	**S-4-3**	EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
9282273005	**WS-1**	EPA 8270	BPJ	21	PASI-C
		EPA 8260	MCK	72	PASI-C
9282273006	**WS-2**	EPA 8270	BPJ	21	PASI-C
		EPA 8260	MCK	72	PASI-C
9282273007	**WS-3**	EPA 8270	BPJ	21	PASI-C
		EPA 8260	MCK	72	PASI-C
9282273008	**WS-4**	EPA 8270	BPJ	21	PASI-C
		EPA 8260	MCK	72	PASI-C
9282273009	**WS-5**	EPA 8270	BPJ	21	PASI-C
		EPA 8260	MCK	72	PASI-C

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www.pacelabs.com

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(704)875-9092

ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: S-1-16 **Lab ID: 9282273001** Collected: 11/16/10 11:30 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	83-32-9	
Acenaphthylene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	208-96-8	
Anthracene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	120-12-7	
Benzo(a)anthracene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	56-55-3	
Benzo(a)pyrene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	207-08-9	
Chrysene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	53-70-3	
Fluoranthene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	206-44-0	
Fluorene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	193-39-5	
1-Methylnaphthalene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	90-12-0	
2-Methylnaphthalene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	91-57-6	
Naphthalene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	91-20-3	
Phenanthrene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	85-01-8	
Pyrene	ND	ug/kg	509	1	11/17/10 16:00	11/19/10 19:58	129-00-0	
Nitrobenzene-d5 (S)	49	%	23-110	1	11/17/10 16:00	11/19/10 19:58	4165-60-0	
2-Fluorobiphenyl (S)	49	%	30-110	1	11/17/10 16:00	11/19/10 19:58	321-60-8	
Terphenyl-d14 (S)	57	%	28-110	1	11/17/10 16:00	11/19/10 19:58	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	121	1		11/21/10 16:46	67-64-1	
Benzene	ND	ug/kg	6.0	1		11/21/10 16:46	71-43-2	
Bromobenzene	ND	ug/kg	6.0	1		11/21/10 16:46	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	1		11/21/10 16:46	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	1		11/21/10 16:46	75-27-4	
Bromoform	ND	ug/kg	6.0	1		11/21/10 16:46	75-25-2	
Bromomethane	ND	ug/kg	12.1	1		11/21/10 16:46	74-83-9	
2-Butanone (MEK)	ND	ug/kg	121	1		11/21/10 16:46	78-93-3	
n-Butylbenzene	ND	ug/kg	6.0	1		11/21/10 16:46	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	1		11/21/10 16:46	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	1		11/21/10 16:46	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.0	1		11/21/10 16:46	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	1		11/21/10 16:46	108-90-7	
Chloroethane	ND	ug/kg	12.1	1		11/21/10 16:46	75-00-3	
Chloroform	ND	ug/kg	6.0	1		11/21/10 16:46	67-66-3	
Chloromethane	ND	ug/kg	12.1	1		11/21/10 16:46	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	1		11/21/10 16:46	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	1		11/21/10 16:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	1		11/21/10 16:46	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	1		11/21/10 16:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	1		11/21/10 16:46	106-93-4	
Dibromomethane	ND	ug/kg	6.0	1		11/21/10 16:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	1		11/21/10 16:46	95-50-1	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: S-1-16 **Lab ID: 9282273001** Collected: 11/16/10 11:30 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/kg	6.0	1		11/21/10 16:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	1		11/21/10 16:46	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.1	1		11/21/10 16:46	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	1		11/21/10 16:46	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	1		11/21/10 16:46	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	1		11/21/10 16:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1		11/21/10 16:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	1		11/21/10 16:46	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	1		11/21/10 16:46	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	1		11/21/10 16:46	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	1		11/21/10 16:46	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.0	1		11/21/10 16:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1		11/21/10 16:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1		11/21/10 16:46	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.0	1		11/21/10 16:46	108-20-3	
Ethylbenzene	ND	ug/kg	6.0	1		11/21/10 16:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1		11/21/10 16:46	87-68-3	
2-Hexanone	ND	ug/kg	60.3	1		11/21/10 16:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	1		11/21/10 16:46	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.0	1		11/21/10 16:46	99-87-6	
Methylene Chloride	ND	ug/kg	24.1	1		11/21/10 16:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	60.3	1		11/21/10 16:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1		11/21/10 16:46	1634-04-4	
Naphthalene	ND	ug/kg	6.0	1		11/21/10 16:46	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	1		11/21/10 16:46	103-65-1	
Styrene	ND	ug/kg	6.0	1		11/21/10 16:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1		11/21/10 16:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1		11/21/10 16:46	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	1		11/21/10 16:46	127-18-4	
Toluene	ND	ug/kg	6.0	1		11/21/10 16:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	1		11/21/10 16:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1		11/21/10 16:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	1		11/21/10 16:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	1		11/21/10 16:46	79-00-5	
Trichloroethene	ND	ug/kg	6.0	1		11/21/10 16:46	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	1		11/21/10 16:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	1		11/21/10 16:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	1		11/21/10 16:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	1		11/21/10 16:46	108-67-8	
Vinyl acetate	ND	ug/kg	60.3	1		11/21/10 16:46	108-05-4	
Vinyl chloride	ND	ug/kg	12.1	1		11/21/10 16:46	75-01-4	
Xylene (Total)	ND	ug/kg	12.1	1		11/21/10 16:46	1330-20-7	
m&p-Xylene	ND	ug/kg	12.1	1		11/21/10 16:46	179601-23-1	
o-Xylene	ND	ug/kg	6.0	1		11/21/10 16:46	95-47-6	
Dibromofluoromethane (S)	107	%	70-130	1		11/21/10 16:46	1868-53-7	
Toluene-d8 (S)	96	%	70-130	1		11/21/10 16:46	2037-26-5	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: S-1-16 **Lab ID: 9282273001** Collected: 11/16/10 11:30 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
4-Bromofluorobenzene (S)	102	%	70-130	1		11/21/10 16:46	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-132	1		11/21/10 16:46	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**34.5**	%	0.10	1		11/18/10 12:58		

Sample: S-2-16 **Lab ID: 9282273002** Collected: 11/16/10 14:15 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	83-32-9	
Acenaphthylene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	208-96-8	
Anthracene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	207-08-9	
Chrysene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	53-70-3	
Fluoranthene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	206-44-0	
Fluorene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	193-39-5	
1-Methylnaphthalene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	90-12-0	
2-Methylnaphthalene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	91-57-6	
Naphthalene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	91-20-3	
Phenanthrene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	85-01-8	
Pyrene	ND	ug/kg	435	1	11/22/10 16:00	11/23/10 14:10	129-00-0	
Nitrobenzene-d5 (S)	9	%	23-110	1	11/22/10 16:00	11/23/10 14:10	4165-60-0	S2
2-Fluorobiphenyl (S)	5	%	30-110	1	11/22/10 16:00	11/23/10 14:10	321-60-8	S2
Terphenyl-d14 (S)	5	%	28-110	1	11/22/10 16:00	11/23/10 14:10	1718-51-0	S2
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	101	1		11/21/10 17:04	67-64-1	
Benzene	ND	ug/kg	5.1	1		11/21/10 17:04	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1		11/21/10 17:04	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1		11/21/10 17:04	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		11/21/10 17:04	75-27-4	
Bromoform	ND	ug/kg	5.1	1		11/21/10 17:04	75-25-2	
Bromomethane	ND	ug/kg	10.1	1		11/21/10 17:04	74-83-9	
2-Butanone (MEK)	ND	ug/kg	101	1		11/21/10 17:04	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		11/21/10 17:04	104-51-8	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: S-2-16 **Lab ID: 9282273002** Collected: 11/16/10 14:15 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
sec-Butylbenzene	ND	ug/kg	5.1	1		11/21/10 17:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1		11/21/10 17:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.1	1		11/21/10 17:04	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		11/21/10 17:04	108-90-7	
Chloroethane	ND	ug/kg	10.1	1		11/21/10 17:04	75-00-3	
Chloroform	ND	ug/kg	5.1	1		11/21/10 17:04	67-66-3	
Chloromethane	ND	ug/kg	10.1	1		11/21/10 17:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1		11/21/10 17:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1		11/21/10 17:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	1		11/21/10 17:04	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1		11/21/10 17:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1		11/21/10 17:04	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1		11/21/10 17:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		11/21/10 17:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		11/21/10 17:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		11/21/10 17:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.1	1		11/21/10 17:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1		11/21/10 17:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		11/21/10 17:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1		11/21/10 17:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		11/21/10 17:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		11/21/10 17:04	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		11/21/10 17:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1		11/21/10 17:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1		11/21/10 17:04	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1		11/21/10 17:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		11/21/10 17:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		11/21/10 17:04	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.1	1		11/21/10 17:04	108-20-3	
Ethylbenzene	ND	ug/kg	5.1	1		11/21/10 17:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1		11/21/10 17:04	87-68-3	
2-Hexanone	ND	ug/kg	50.5	1		11/21/10 17:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1		11/21/10 17:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		11/21/10 17:04	99-87-6	
Methylene Chloride	ND	ug/kg	20.2	1		11/21/10 17:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.5	1		11/21/10 17:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1		11/21/10 17:04	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1		11/21/10 17:04	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		11/21/10 17:04	103-65-1	
Styrene	ND	ug/kg	5.1	1		11/21/10 17:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1		11/21/10 17:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		11/21/10 17:04	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		11/21/10 17:04	127-18-4	
Toluene	ND	ug/kg	5.1	1		11/21/10 17:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1		11/21/10 17:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		11/21/10 17:04	120-82-1	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: S-2-16 **Lab ID: 9282273002** Collected: 11/16/10 14:15 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/kg	5.1	1		11/21/10 17:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		11/21/10 17:04	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		11/21/10 17:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1		11/21/10 17:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1		11/21/10 17:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1		11/21/10 17:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1		11/21/10 17:04	108-67-8	
Vinyl acetate	ND	ug/kg	50.5	1		11/21/10 17:04	108-05-4	
Vinyl chloride	ND	ug/kg	10.1	1		11/21/10 17:04	75-01-4	
Xylene (Total)	ND	ug/kg	10.1	1		11/21/10 17:04	1330-20-7	
m&p-Xylene	ND	ug/kg	10.1	1		11/21/10 17:04	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1		11/21/10 17:04	95-47-6	
Dibromofluoromethane (S)	110	%	70-130	1		11/21/10 17:04	1868-53-7	
Toluene-d8 (S)	98	%	70-130	1		11/21/10 17:04	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130	1		11/21/10 17:04	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-132	1		11/21/10 17:04	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**24.1**	%	0.10	1		11/18/10 12:59		

Sample: S-3-4 **Lab ID: 9282273003** Collected: 11/16/10 14:30 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	83-32-9	
Acenaphthylene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	208-96-8	
Anthracene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	207-08-9	
Chrysene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	53-70-3	
Fluoranthene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	206-44-0	
Fluorene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	193-39-5	
1-Methylnaphthalene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	90-12-0	
2-Methylnaphthalene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	91-57-6	
Naphthalene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	91-20-3	
Phenanthrene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	85-01-8	
Pyrene	ND	ug/kg	419	1	11/17/10 16:00	11/19/10 20:54	129-00-0	
Nitrobenzene-d5 (S)	51	%	23-110	1	11/17/10 16:00	11/19/10 20:54	4165-60-0	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: S-3-4 **Lab ID: 9282273003** Collected: 11/16/10 14:30 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Fluorobiphenyl (S)	56	%	30-110	1	11/17/10 16:00	11/19/10 20:54	321-60-8	
Terphenyl-d14 (S)	60	%	28-110	1	11/17/10 16:00	11/19/10 20:54	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	98.2	1		11/21/10 17:23	67-64-1	
Benzene	ND	ug/kg	4.9	1		11/21/10 17:23	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		11/21/10 17:23	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		11/21/10 17:23	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		11/21/10 17:23	75-27-4	
Bromoform	ND	ug/kg	4.9	1		11/21/10 17:23	75-25-2	
Bromomethane	ND	ug/kg	9.8	1		11/21/10 17:23	74-83-9	
2-Butanone (MEK)	ND	ug/kg	98.2	1		11/21/10 17:23	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		11/21/10 17:23	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		11/21/10 17:23	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		11/21/10 17:23	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	1		11/21/10 17:23	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		11/21/10 17:23	108-90-7	
Chloroethane	ND	ug/kg	9.8	1		11/21/10 17:23	75-00-3	
Chloroform	ND	ug/kg	4.9	1		11/21/10 17:23	67-66-3	
Chloromethane	ND	ug/kg	9.8	1		11/21/10 17:23	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		11/21/10 17:23	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		11/21/10 17:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	1		11/21/10 17:23	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1		11/21/10 17:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		11/21/10 17:23	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		11/21/10 17:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		11/21/10 17:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		11/21/10 17:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		11/21/10 17:23	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	1		11/21/10 17:23	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		11/21/10 17:23	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		11/21/10 17:23	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		11/21/10 17:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		11/21/10 17:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		11/21/10 17:23	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		11/21/10 17:23	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		11/21/10 17:23	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		11/21/10 17:23	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		11/21/10 17:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		11/21/10 17:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		11/21/10 17:23	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1		11/21/10 17:23	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1		11/21/10 17:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		11/21/10 17:23	87-68-3	
2-Hexanone	ND	ug/kg	49.1	1		11/21/10 17:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		11/21/10 17:23	98-82-8	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: S-3-4 **Lab ID: 9282273003** Collected: 11/16/10 14:30 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/kg	4.9	1		11/21/10 17:23	99-87-6	
Methylene Chloride	ND	ug/kg	19.6	1		11/21/10 17:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.1	1		11/21/10 17:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		11/21/10 17:23	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		11/21/10 17:23	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		11/21/10 17:23	103-65-1	
Styrene	ND	ug/kg	4.9	1		11/21/10 17:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		11/21/10 17:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		11/21/10 17:23	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		11/21/10 17:23	127-18-4	
Toluene	ND	ug/kg	4.9	1		11/21/10 17:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		11/21/10 17:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		11/21/10 17:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		11/21/10 17:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		11/21/10 17:23	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		11/21/10 17:23	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		11/21/10 17:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		11/21/10 17:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		11/21/10 17:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		11/21/10 17:23	108-67-8	
Vinyl acetate	ND	ug/kg	49.1	1		11/21/10 17:23	108-05-4	
Vinyl chloride	ND	ug/kg	9.8	1		11/21/10 17:23	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	1		11/21/10 17:23	1330-20-7	
m&p-Xylene	ND	ug/kg	9.8	1		11/21/10 17:23	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1		11/21/10 17:23	95-47-6	
Dibromofluoromethane (S)	109	%	70-130	1		11/21/10 17:23	1868-53-7	
Toluene-d8 (S)	98	%	70-130	1		11/21/10 17:23	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130	1		11/21/10 17:23	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-132	1		11/21/10 17:23	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**21.5**	%	0.10	1		11/18/10 13:05		

Sample: S-4-3 **Lab ID: 9282273004** Collected: 11/16/10 15:45 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	83-32-9	
Acenaphthylene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	208-96-8	
Anthracene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	120-12-7	
Benzo(a)anthracene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	56-55-3	
Benzo(a)pyrene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	205-99-2	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: S-4-3 **Lab ID: 9282273004** Collected: 11/16/10 15:45 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzo(g,h,i)perylene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	207-08-9	
Chrysene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	53-70-3	
Fluoranthene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	206-44-0	
Fluorene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	193-39-5	
1-Methylnaphthalene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	90-12-0	
2-Methylnaphthalene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	91-57-6	
Naphthalene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	91-20-3	
Phenanthrene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	85-01-8	
Pyrene	ND	ug/kg	410	1	11/17/10 16:00	11/19/10 21:22	129-00-0	
Nitrobenzene-d5 (S)	58	%	23-110	1	11/17/10 16:00	11/19/10 21:22	4165-60-0	
2-Fluorobiphenyl (S)	64	%	30-110	1	11/17/10 16:00	11/19/10 21:22	321-60-8	
Terphenyl-d14 (S)	74	%	28-110	1	11/17/10 16:00	11/19/10 21:22	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**105**	ug/kg	87.7	1		11/21/10 17:41	67-64-1	C9
Benzene	ND	ug/kg	4.4	1		11/21/10 17:41	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		11/21/10 17:41	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		11/21/10 17:41	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		11/21/10 17:41	75-27-4	
Bromoform	ND	ug/kg	4.4	1		11/21/10 17:41	75-25-2	
Bromomethane	ND	ug/kg	8.8	1		11/21/10 17:41	74-83-9	
2-Butanone (MEK)	ND	ug/kg	87.7	1		11/21/10 17:41	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		11/21/10 17:41	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		11/21/10 17:41	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		11/21/10 17:41	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.4	1		11/21/10 17:41	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		11/21/10 17:41	108-90-7	
Chloroethane	ND	ug/kg	8.8	1		11/21/10 17:41	75-00-3	
Chloroform	ND	ug/kg	4.4	1		11/21/10 17:41	67-66-3	
Chloromethane	ND	ug/kg	8.8	1		11/21/10 17:41	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		11/21/10 17:41	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		11/21/10 17:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.4	1		11/21/10 17:41	96-12-8	
Dibromochloromethane	ND	ug/kg	4.4	1		11/21/10 17:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		11/21/10 17:41	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		11/21/10 17:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		11/21/10 17:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		11/21/10 17:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		11/21/10 17:41	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.8	1		11/21/10 17:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		11/21/10 17:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		11/21/10 17:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		11/21/10 17:41	75-35-4	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: S-4-3 **Lab ID: 9282273004** Collected: 11/16/10 15:45 Received: 11/17/10 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		11/21/10 17:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		11/21/10 17:41	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		11/21/10 17:41	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		11/21/10 17:41	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		11/21/10 17:41	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		11/21/10 17:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		11/21/10 17:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		11/21/10 17:41	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.4	1		11/21/10 17:41	108-20-3	
Ethylbenzene	ND	ug/kg	4.4	1		11/21/10 17:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		11/21/10 17:41	87-68-3	
2-Hexanone	ND	ug/kg	43.8	1		11/21/10 17:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		11/21/10 17:41	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		11/21/10 17:41	99-87-6	
Methylene Chloride	ND	ug/kg	17.5	1		11/21/10 17:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	43.8	1		11/21/10 17:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		11/21/10 17:41	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		11/21/10 17:41	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		11/21/10 17:41	103-65-1	
Styrene	ND	ug/kg	4.4	1		11/21/10 17:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		11/21/10 17:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		11/21/10 17:41	79-34-5	
Tetrachloroethene	**96.3**	ug/kg	4.4	1		11/21/10 17:41	127-18-4	
Toluene	ND	ug/kg	4.4	1		11/21/10 17:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		11/21/10 17:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		11/21/10 17:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		11/21/10 17:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		11/21/10 17:41	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		11/21/10 17:41	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		11/21/10 17:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		11/21/10 17:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		11/21/10 17:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		11/21/10 17:41	108-67-8	
Vinyl acetate	ND	ug/kg	43.8	1		11/21/10 17:41	108-05-4	
Vinyl chloride	ND	ug/kg	8.8	1		11/21/10 17:41	75-01-4	
Xylene (Total)	ND	ug/kg	8.8	1		11/21/10 17:41	1330-20-7	
m&p-Xylene	ND	ug/kg	8.8	1		11/21/10 17:41	179601-23-1	
o-Xylene	ND	ug/kg	4.4	1		11/21/10 17:41	95-47-6	
Dibromofluoromethane (S)	113	%	70-130	1		11/21/10 17:41	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		11/21/10 17:41	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130	1		11/21/10 17:41	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	70-132	1		11/21/10 17:41	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.5**	%	0.10	1		11/19/10 14:15		

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-1 **Lab ID: 9282273005** Collected: 11/16/10 09:30 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH SPE	Analytical Method: EPA 8270 Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	83-32-9	
Acenaphthylene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	208-96-8	
Anthracene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	120-12-7	
Benzo(a)anthracene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	56-55-3	
Benzo(a)pyrene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	207-08-9	
Chrysene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	53-70-3	
Fluoranthene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	206-44-0	
Fluorene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	193-39-5	
1-Methylnaphthalene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	90-12-0	
2-Methylnaphthalene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	91-57-6	
Naphthalene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	91-20-3	
Phenanthrene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	85-01-8	
Pyrene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 14:57	129-00-0	
Nitrobenzene-d5 (S)	48	%	10-120	1	11/22/10 11:00	11/23/10 14:57	4165-60-0	
2-Fluorobiphenyl (S)	68	%	10-120	1	11/22/10 11:00	11/23/10 14:57	321-60-8	
Terphenyl-d14 (S)	70	%	10-116	1	11/22/10 11:00	11/23/10 14:57	1718-51-0	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/19/10 18:06	67-64-1	
Benzene	**9.5**	ug/L	5.0	1		11/19/10 18:06	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/19/10 18:06	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/19/10 18:06	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/19/10 18:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/19/10 18:06	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/19/10 18:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/19/10 18:06	78-93-3	
tert-Butyl Alcohol	**1660**	ug/L	100	1		11/19/10 18:06	75-65-0	E
n-Butylbenzene	ND	ug/L	5.0	1		11/19/10 18:06	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/19/10 18:06	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/19/10 18:06	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	1		11/19/10 18:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/19/10 18:06	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/19/10 18:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/19/10 18:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/19/10 18:06	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 18:06	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 18:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/19/10 18:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/19/10 18:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/19/10 18:06	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/19/10 18:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:06	95-50-1	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-1 **Lab ID: 9282273005** Collected: 11/16/10 09:30 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/19/10 18:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/19/10 18:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/19/10 18:06	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		11/19/10 18:06	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/19/10 18:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 18:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 18:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 18:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/19/10 18:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 18:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/19/10 18:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 18:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 18:06	10061-02-6	
Diisopropyl ether	**12.6**	ug/L	5.0	1		11/19/10 18:06	108-20-3	
Ethylbenzene	ND	ug/L	5.0	1		11/19/10 18:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/19/10 18:06	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		11/19/10 18:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/19/10 18:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/19/10 18:06	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/19/10 18:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/19/10 18:06	108-10-1	
Methyl-tert-butyl ether	**1420**	ug/L	100	20		11/20/10 08:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/19/10 18:06	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/19/10 18:06	103-65-1	
Styrene	ND	ug/L	5.0	1		11/19/10 18:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 18:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 18:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/19/10 18:06	127-18-4	
Toluene	ND	ug/L	5.0	1		11/19/10 18:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/19/10 18:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/19/10 18:06	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/19/10 18:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/19/10 18:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/19/10 18:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 18:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 18:06	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/19/10 18:06	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/19/10 18:06	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/19/10 18:06	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/19/10 18:06	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130	1		11/19/10 18:06	460-00-4	
Dibromofluoromethane (S)	110	%	70-130	1		11/19/10 18:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		11/19/10 18:06	17060-07-0	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-1 **Lab ID: 9282273005** Collected: 11/16/10 09:30 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Toluene-d8 (S)	97	%	70-130	1		11/19/10 18:06	2037-26-5	

Sample: WS-2 **Lab ID: 9282273006** Collected: 11/16/10 10:30 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH SPE	Analytical Method: EPA 8270 Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	83-32-9	
Acenaphthylene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	208-96-8	
Anthracene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	207-08-9	
Chrysene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	53-70-3	
Fluoranthene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	206-44-0	
Fluorene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	193-39-5	
1-Methylnaphthalene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	90-12-0	
2-Methylnaphthalene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	91-57-6	
Naphthalene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	91-20-3	
Phenanthrene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	85-01-8	
Pyrene	ND	ug/L	11.1	1	11/22/10 11:00	11/23/10 15:24	129-00-0	
Nitrobenzene-d5 (S)	37	%	10-120	1	11/22/10 11:00	11/23/10 15:24	4165-60-0	
2-Fluorobiphenyl (S)	46	%	10-120	1	11/22/10 11:00	11/23/10 15:24	321-60-8	
Terphenyl-d14 (S)	45	%	10-116	1	11/22/10 11:00	11/23/10 15:24	1718-51-0	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/19/10 18:24	67-64-1	
Benzene	ND	ug/L	5.0	1		11/19/10 18:24	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/19/10 18:24	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/19/10 18:24	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/19/10 18:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/19/10 18:24	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/19/10 18:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/19/10 18:24	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	1		11/19/10 18:24	75-65-0	
n-Butylbenzene	ND	ug/L	5.0	1		11/19/10 18:24	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/19/10 18:24	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/19/10 18:24	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	1		11/19/10 18:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/19/10 18:24	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/19/10 18:24	75-00-3	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-2 **Lab ID: 9282273006** Collected: 11/16/10 10:30 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chloroform	ND	ug/L	5.0	1		11/19/10 18:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/19/10 18:24	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 18:24	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 18:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/19/10 18:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/19/10 18:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/19/10 18:24	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/19/10 18:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/19/10 18:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/19/10 18:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/19/10 18:24	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		11/19/10 18:24	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/19/10 18:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 18:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 18:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 18:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/19/10 18:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 18:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/19/10 18:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 18:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 18:24	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	1		11/19/10 18:24	108-20-3	
Ethylbenzene	ND	ug/L	5.0	1		11/19/10 18:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/19/10 18:24	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		11/19/10 18:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/19/10 18:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/19/10 18:24	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/19/10 18:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/19/10 18:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		11/19/10 18:24	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/19/10 18:24	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/19/10 18:24	103-65-1	
Styrene	ND	ug/L	5.0	1		11/19/10 18:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 18:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 18:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/19/10 18:24	127-18-4	
Toluene	ND	ug/L	5.0	1		11/19/10 18:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/19/10 18:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/19/10 18:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/19/10 18:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/19/10 18:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/19/10 18:24	96-18-4	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-2 **Lab ID: 9282273006** Collected: 11/16/10 10:30 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 18:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 18:24	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/19/10 18:24	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/19/10 18:24	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/19/10 18:24	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/19/10 18:24	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		11/19/10 18:24	460-00-4	
Dibromofluoromethane (S)	111	%	70-130	1		11/19/10 18:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	70-130	1		11/19/10 18:24	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		11/19/10 18:24	2037-26-5	

Sample: WS-3 **Lab ID: 9282273007** Collected: 11/16/10 11:45 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH SPE	Analytical Method: EPA 8270 Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	83-32-9	
Acenaphthylene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	208-96-8	
Anthracene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	120-12-7	
Benzo(a)anthracene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	56-55-3	
Benzo(a)pyrene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	207-08-9	
Chrysene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	53-70-3	
Fluoranthene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	206-44-0	
Fluorene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	193-39-5	
1-Methylnaphthalene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	90-12-0	
2-Methylnaphthalene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	91-57-6	
Naphthalene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	91-20-3	
Phenanthrene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	85-01-8	
Pyrene	ND	ug/L	11.2	1	11/22/10 11:00	11/23/10 15:51	129-00-0	
Nitrobenzene-d5 (S)	44	%	10-120	1	11/22/10 11:00	11/23/10 15:51	4165-60-0	
2-Fluorobiphenyl (S)	58	%	10-120	1	11/22/10 11:00	11/23/10 15:51	321-60-8	
Terphenyl-d14 (S)	61	%	10-116	1	11/22/10 11:00	11/23/10 15:51	1718-51-0	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/19/10 18:42	67-64-1	
Benzene	ND	ug/L	5.0	1		11/19/10 18:42	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/19/10 18:42	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/19/10 18:42	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/19/10 18:42	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/19/10 18:42	75-25-2	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-3 **Lab ID: 9282273007** Collected: 11/16/10 11:45 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Bromomethane	ND	ug/L	10.0	1		11/19/10 18:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/19/10 18:42	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	1		11/19/10 18:42	75-65-0	
n-Butylbenzene	ND	ug/L	5.0	1		11/19/10 18:42	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/19/10 18:42	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/19/10 18:42	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	1		11/19/10 18:42	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/19/10 18:42	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/19/10 18:42	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/19/10 18:42	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/19/10 18:42	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 18:42	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 18:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/19/10 18:42	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/19/10 18:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/19/10 18:42	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/19/10 18:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/19/10 18:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/19/10 18:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/19/10 18:42	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		11/19/10 18:42	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/19/10 18:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 18:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 18:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 18:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/19/10 18:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 18:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/19/10 18:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 18:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 18:42	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	1		11/19/10 18:42	108-20-3	
Ethylbenzene	ND	ug/L	5.0	1		11/19/10 18:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/19/10 18:42	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		11/19/10 18:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/19/10 18:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/19/10 18:42	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/19/10 18:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/19/10 18:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		11/19/10 18:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/19/10 18:42	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/19/10 18:42	103-65-1	
Styrene	ND	ug/L	5.0	1		11/19/10 18:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 18:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 18:42	79-34-5	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-3 **Lab ID: 9282273007** Collected: 11/16/10 11:45 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	5.0	1		11/19/10 18:42	127-18-4	
Toluene	ND	ug/L	5.0	1		11/19/10 18:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 18:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/19/10 18:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/19/10 18:42	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/19/10 18:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/19/10 18:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/19/10 18:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 18:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 18:42	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/19/10 18:42	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/19/10 18:42	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/19/10 18:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/19/10 18:42	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130	1		11/19/10 18:42	460-00-4	
Dibromofluoromethane (S)	107	%	70-130	1		11/19/10 18:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	70-130	1		11/19/10 18:42	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		11/19/10 18:42	2037-26-5	

Sample: WS-4 **Lab ID: 9282273008** Collected: 11/16/10 14:45 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH SPE	Analytical Method: EPA 8270 Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	83-32-9	
Acenaphthylene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	208-96-8	
Anthracene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	207-08-9	
Chrysene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	53-70-3	
Fluoranthene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	206-44-0	
Fluorene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	193-39-5	
1-Methylnaphthalene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	91-57-6	
Naphthalene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	91-20-3	
Phenanthrene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	85-01-8	
Pyrene	ND	ug/L	10.9	1	11/22/10 11:00	11/23/10 16:18	129-00-0	
Nitrobenzene-d5 (S)	51	%	10-120	1	11/22/10 11:00	11/23/10 16:18	4165-60-0	
2-Fluorobiphenyl (S)	63	%	10-120	1	11/22/10 11:00	11/23/10 16:18	321-60-8	
Terphenyl-d14 (S)	62	%	10-116	1	11/22/10 11:00	11/23/10 16:18	1718-51-0	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-4 **Lab ID: 9282273008** Collected: 11/16/10 14:45 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/19/10 19:00	67-64-1	
Benzene	ND	ug/L	5.0	1		11/19/10 19:00	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/19/10 19:00	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/19/10 19:00	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/19/10 19:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/19/10 19:00	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/19/10 19:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/19/10 19:00	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	1		11/19/10 19:00	75-65-0	
n-Butylbenzene	ND	ug/L	5.0	1		11/19/10 19:00	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/19/10 19:00	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/19/10 19:00	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	1		11/19/10 19:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/19/10 19:00	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/19/10 19:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/19/10 19:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/19/10 19:00	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 19:00	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 19:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/19/10 19:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/19/10 19:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/19/10 19:00	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/19/10 19:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/19/10 19:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/19/10 19:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/19/10 19:00	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		11/19/10 19:00	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/19/10 19:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 19:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 19:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 19:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/19/10 19:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 19:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/19/10 19:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 19:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 19:00	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	1		11/19/10 19:00	108-20-3	
Ethylbenzene	ND	ug/L	5.0	1		11/19/10 19:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/19/10 19:00	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		11/19/10 19:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/19/10 19:00	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/19/10 19:00	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/19/10 19:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/19/10 19:00	108-10-1	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-4 **Lab ID: 9282273008** Collected: 11/16/10 14:45 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND	ug/L	5.0	1		11/19/10 19:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/19/10 19:00	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/19/10 19:00	103-65-1	
Styrene	ND	ug/L	5.0	1		11/19/10 19:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 19:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 19:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/19/10 19:00	127-18-4	
Toluene	ND	ug/L	5.0	1		11/19/10 19:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/19/10 19:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/19/10 19:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/19/10 19:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/19/10 19:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/19/10 19:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 19:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 19:00	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/19/10 19:00	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/19/10 19:00	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/19/10 19:00	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/19/10 19:00	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130	1		11/19/10 19:00	460-00-4	
Dibromofluoromethane (S)	111	%	70-130	1		11/19/10 19:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	70-130	1		11/19/10 19:00	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		11/19/10 19:00	2037-26-5	

Sample: WS-5 **Lab ID: 9282273009** Collected: 11/16/10 16:15 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH SPE	Analytical Method: EPA 8270 Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	83-32-9	
Acenaphthylene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	208-96-8	
Anthracene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	120-12-7	
Benzo(a)anthracene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	56-55-3	
Benzo(a)pyrene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	207-08-9	
Chrysene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	53-70-3	
Fluoranthene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	206-44-0	
Fluorene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	193-39-5	
1-Methylnaphthalene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	90-12-0	
2-Methylnaphthalene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	91-57-6	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-5 **Lab ID: 9282273009** Collected: 11/16/10 16:15 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH SPE	Analytical Method: EPA 8270 Preparation Method: EPA 3535							
Naphthalene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	91-20-3	
Phenanthrene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	85-01-8	
Pyrene	ND	ug/L	11.5	1	11/22/10 11:00	11/23/10 16:45	129-00-0	
Nitrobenzene-d5 (S)	42	%	10-120	1	11/22/10 11:00	11/23/10 16:45	4165-60-0	
2-Fluorobiphenyl (S)	66	%	10-120	1	11/22/10 11:00	11/23/10 16:45	321-60-8	
Terphenyl-d14 (S)	71	%	10-116	1	11/22/10 11:00	11/23/10 16:45	1718-51-0	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/19/10 19:19	67-64-1	
Benzene	ND	ug/L	5.0	1		11/19/10 19:19	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		11/19/10 19:19	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		11/19/10 19:19	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/19/10 19:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/19/10 19:19	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/19/10 19:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/19/10 19:19	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	1		11/19/10 19:19	75-65-0	
n-Butylbenzene	ND	ug/L	5.0	1		11/19/10 19:19	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		11/19/10 19:19	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		11/19/10 19:19	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	1		11/19/10 19:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/19/10 19:19	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/19/10 19:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/19/10 19:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/19/10 19:19	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 19:19	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		11/19/10 19:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/19/10 19:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/19/10 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/19/10 19:19	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/19/10 19:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		11/19/10 19:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/19/10 19:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/19/10 19:19	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		11/19/10 19:19	540-59-0	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/19/10 19:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/19/10 19:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 19:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		11/19/10 19:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		11/19/10 19:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		11/19/10 19:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 19:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/19/10 19:19	10061-02-6	

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ANALYTICAL RESULTS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Sample: WS-5 **Lab ID: 9282273009** Collected: 11/16/10 16:15 Received: 11/17/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Diisopropyl ether	ND	ug/L	5.0	1		11/19/10 19:19	108-20-3	
Ethylbenzene	ND	ug/L	5.0	1		11/19/10 19:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/19/10 19:19	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		11/19/10 19:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		11/19/10 19:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		11/19/10 19:19	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		11/19/10 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/19/10 19:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		11/19/10 19:19	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		11/19/10 19:19	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		11/19/10 19:19	103-65-1	
Styrene	ND	ug/L	5.0	1		11/19/10 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/19/10 19:19	79-34-5	
Tetrachloroethene	**21.2**	ug/L	5.0	1		11/19/10 19:19	127-18-4	
Toluene	ND	ug/L	5.0	1		11/19/10 19:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		11/19/10 19:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/19/10 19:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/19/10 19:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/19/10 19:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/19/10 19:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/19/10 19:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 19:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		11/19/10 19:19	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/19/10 19:19	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/19/10 19:19	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/19/10 19:19	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/19/10 19:19	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130	1		11/19/10 19:19	460-00-4	
Dibromofluoromethane (S)	110	%	70-130	1		11/19/10 19:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	115	%	70-130	1		11/19/10 19:19	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		11/19/10 19:19	2037-26-5	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

QC Batch: OEXT/11911 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 9282273001, 9282273003, 9282273004

METHOD BLANK: 529430 Matrix: Solid
Associated Lab Samples: 9282273001, 9282273004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	11/19/10 16:09	
2-Methylnaphthalene	ug/kg	ND	330	11/19/10 16:09	
Acenaphthene	ug/kg	ND	330	11/19/10 16:09	
Acenaphthylene	ug/kg	ND	330	11/19/10 16:09	
Anthracene	ug/kg	ND	330	11/19/10 16:09	
Benzo(a)anthracene	ug/kg	ND	330	11/19/10 16:09	
Benzo(a)pyrene	ug/kg	ND	330	11/19/10 16:09	
Benzo(b)fluoranthene	ug/kg	ND	330	11/19/10 16:09	
Benzo(g,h,i)perylene	ug/kg	ND	330	11/19/10 16:09	
Benzo(k)fluoranthene	ug/kg	ND	330	11/19/10 16:09	
Chrysene	ug/kg	ND	330	11/19/10 16:09	
Dibenz(a,h)anthracene	ug/kg	ND	330	11/19/10 16:09	
Fluoranthene	ug/kg	ND	330	11/19/10 16:09	
Fluorene	ug/kg	ND	330	11/19/10 16:09	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	11/19/10 16:09	
Naphthalene	ug/kg	ND	330	11/19/10 16:09	
Phenanthrene	ug/kg	ND	330	11/19/10 16:09	
Pyrene	ug/kg	ND	330	11/19/10 16:09	
2-Fluorobiphenyl (S)	%	74	30-110	11/19/10 16:09	
Nitrobenzene-d5 (S)	%	64	23-110	11/19/10 16:09	
Terphenyl-d14 (S)	%	79	28-110	11/19/10 16:09	

LABORATORY CONTROL SAMPLE: 529431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1390	84	45-105	
2-Methylnaphthalene	ug/kg	1670	1370	82	39-112	
Acenaphthene	ug/kg	1670	1430	86	38-117	
Acenaphthylene	ug/kg	1670	1440	86	46-107	
Anthracene	ug/kg	1670	1380	83	50-110	
Benzo(a)anthracene	ug/kg	1670	1410	84	47-116	
Benzo(a)pyrene	ug/kg	1670	1260	76	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1400	84	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1300	78	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1200	72	45-117	
Chrysene	ug/kg	1670	1380	83	49-110	
Dibenz(a,h)anthracene	ug/kg	1670	1380	83	43-116	
Fluoranthene	ug/kg	1670	1520	91	50-114	
Fluorene	ug/kg	1670	1510	90	46-114	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1320	79	42-115	
Naphthalene	ug/kg	1670	1550	93	41-110	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

LABORATORY CONTROL SAMPLE: 529431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	1670	1350	81	50-110	
Pyrene	ug/kg	1670	1320	79	45-114	
2-Fluorobiphenyl (S)	%			80	30-110	
Nitrobenzene-d5 (S)	%			75	23-110	
Terphenyl-d14 (S)	%			78	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 529432 529433

Parameter	Units	9281767004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1-Methylnaphthalene	ug/kg	ND	1910	1910	1450J	1460J	76	77	24-116		
2-Methylnaphthalene	ug/kg	ND	1910	1910	1410J	1460J	74	77	10-135		
Acenaphthene	ug/kg	ND	1910	1910	1510J	1570J	79	82	26-114		
Acenaphthylene	ug/kg	ND	1910	1910	1440J	1510J	76	79	32-108		
Anthracene	ug/kg	ND	1910	1910	1360J	1430J	71	75	32-111		
Benzo(a)anthracene	ug/kg	ND	1910	1910	1470J	1550J	77	81	25-117		
Benzo(a)pyrene	ug/kg	ND	1910	1910	1320J	1370J	69	72	25-106		
Benzo(b)fluoranthene	ug/kg	ND	1910	1910	1490J	1500J	78	79	24-110		
Benzo(g,h,i)perylene	ug/kg	ND	1910	1910	1310J	1230J	68	65	19-112		
Benzo(k)fluoranthene	ug/kg	ND	1910	1910	1230J	1370J	65	72	24-114		
Chrysene	ug/kg	ND	1910	1910	1490J	1540J	78	81	30-110		
Dibenz(a,h)anthracene	ug/kg	ND	1910	1910	1300J	1320J	68	69	23-111		
Fluoranthene	ug/kg	ND	1910	1910	1560J	1510J	82	79	33-109		
Fluorene	ug/kg	ND	1910	1910	1530J	1560J	80	82	32-113		
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1910	1910	1300J	1330J	68	70	10-122		
Naphthalene	ug/kg	ND	1910	1910	1400J	1440J	73	75	25-110		
Phenanthrene	ug/kg	ND	1910	1910	1410J	1480J	74	78	30-114		
Pyrene	ug/kg	ND	1910	1910	1420J	1540J	75	81	25-116		
2-Fluorobiphenyl (S)	%						75	83	30-110		
Nitrobenzene-d5 (S)	%						65	69	23-110		
Terphenyl-d14 (S)	%						73	78	28-110		

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

QC Batch: OEXT/11965
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 9282273002

METHOD BLANK: 531932
Matrix: Solid
Associated Lab Samples: 9282273002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	11/23/10 13:14	
2-Methylnaphthalene	ug/kg	ND	330	11/23/10 13:14	
Acenaphthene	ug/kg	ND	330	11/23/10 13:14	
Acenaphthylene	ug/kg	ND	330	11/23/10 13:14	
Anthracene	ug/kg	ND	330	11/23/10 13:14	
Benzo(a)anthracene	ug/kg	ND	330	11/23/10 13:14	
Benzo(a)pyrene	ug/kg	ND	330	11/23/10 13:14	
Benzo(b)fluoranthene	ug/kg	ND	330	11/23/10 13:14	
Benzo(g,h,i)perylene	ug/kg	ND	330	11/23/10 13:14	
Benzo(k)fluoranthene	ug/kg	ND	330	11/23/10 13:14	
Chrysene	ug/kg	ND	330	11/23/10 13:14	
Dibenz(a,h)anthracene	ug/kg	ND	330	11/23/10 13:14	
Fluoranthene	ug/kg	ND	330	11/23/10 13:14	
Fluorene	ug/kg	ND	330	11/23/10 13:14	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	11/23/10 13:14	
Naphthalene	ug/kg	ND	330	11/23/10 13:14	
Phenanthrene	ug/kg	ND	330	11/23/10 13:14	
Pyrene	ug/kg	ND	330	11/23/10 13:14	
2-Fluorobiphenyl (S)	%	43	30-110	11/23/10 13:14	
Nitrobenzene-d5 (S)	%	37	23-110	11/23/10 13:14	
Terphenyl-d14 (S)	%	82	28-110	11/23/10 13:14	

LABORATORY CONTROL SAMPLE & LCSD: 531933 531934

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1430	1450	86	87	45-105	1	30	
2-Methylnaphthalene	ug/kg	1670	1400	1440	84	87	39-112	3	30	
Acenaphthene	ug/kg	1670	1510	1610	91	97	38-117	6	30	
Acenaphthylene	ug/kg	1670	1490	1570	89	94	46-107	5	30	
Anthracene	ug/kg	1670	1450	1550	87	93	50-110	7	30	
Benzo(a)anthracene	ug/kg	1670	1580	1690	95	101	47-116	7	30	
Benzo(a)pyrene	ug/kg	1670	1420	1520	85	91	47-106	6	30	
Benzo(b)fluoranthene	ug/kg	1670	1500	1550	90	93	47-109	3	30	
Benzo(g,h,i)perylene	ug/kg	1670	1440	1560	86	94	39-115	8	30	
Benzo(k)fluoranthene	ug/kg	1670	1360	1520	81	91	45-117	11	30	
Chrysene	ug/kg	1670	1510	1630	91	98	49-110	8	30	
Dibenz(a,h)anthracene	ug/kg	1670	1470	1590	88	95	43-116	8	30	
Fluoranthene	ug/kg	1670	1630	1840	98	110	50-114	12	30	
Fluorene	ug/kg	1670	1540	1660	92	100	46-114	8	30	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1460	1570	88	94	42-115	7	30	
Naphthalene	ug/kg	1670	1330	1410	80	85	41-110	6	30	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

LABORATORY CONTROL SAMPLE & LCSD: 531933 531934

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Phenanthrene	ug/kg	1670	1440	1540	87	92	50-110	6	30	
Pyrene	ug/kg	1670	1440	1460	86	88	45-114	1	30	
2-Fluorobiphenyl (S)	%				80	81	30-110			
Nitrobenzene-d5 (S)	%				74	77	23-110			
Terphenyl-d14 (S)	%				84	83	28-110			

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

QC Batch: OEXT/11956 Analysis Method: EPA 8270
QC Batch Method: EPA 3535 Analysis Description: 8270 Water PAH MSSV
Associated Lab Samples: 9282273005, 9282273006, 9282273007, 9282273008, 9282273009

METHOD BLANK: 531632 Matrix: Water
Associated Lab Samples: 9282273005, 9282273006, 9282273007, 9282273008, 9282273009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	10.0	11/23/10 14:02	
2-Methylnaphthalene	ug/L	ND	10.0	11/23/10 14:02	
Acenaphthene	ug/L	ND	10.0	11/23/10 14:02	
Acenaphthylene	ug/L	ND	10.0	11/23/10 14:02	
Anthracene	ug/L	ND	10.0	11/23/10 14:02	
Benzo(a)anthracene	ug/L	ND	10.0	11/23/10 14:02	
Benzo(a)pyrene	ug/L	ND	10.0	11/23/10 14:02	
Benzo(b)fluoranthene	ug/L	ND	10.0	11/23/10 14:02	
Benzo(g,h,i)perylene	ug/L	ND	10.0	11/23/10 14:02	
Benzo(k)fluoranthene	ug/L	ND	10.0	11/23/10 14:02	
Chrysene	ug/L	ND	10.0	11/23/10 14:02	
Dibenz(a,h)anthracene	ug/L	ND	10.0	11/23/10 14:02	
Fluoranthene	ug/L	ND	10.0	11/23/10 14:02	
Fluorene	ug/L	ND	10.0	11/23/10 14:02	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	11/23/10 14:02	
Naphthalene	ug/L	ND	10.0	11/23/10 14:02	
Phenanthrene	ug/L	ND	10.0	11/23/10 14:02	
Pyrene	ug/L	ND	10.0	11/23/10 14:02	
2-Fluorobiphenyl (S)	%	75	10-120	11/23/10 14:02	
Nitrobenzene-d5 (S)	%	47	10-120	11/23/10 14:02	
Terphenyl-d14 (S)	%	70	10-116	11/23/10 14:02	

LABORATORY CONTROL SAMPLE: 531633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	50	26.9	54	29-108	
2-Methylnaphthalene	ug/L	50	26.7	53	30-104	
Acenaphthene	ug/L	50	29.7	59	39-109	
Acenaphthylene	ug/L	50	29.9	60	41-109	
Anthracene	ug/L	50	35.9	72	45-114	
Benzo(a)anthracene	ug/L	50	36.5	73	45-109	
Benzo(a)pyrene	ug/L	50	33.8	68	47-117	
Benzo(b)fluoranthene	ug/L	50	34.8	70	32-113	
Benzo(g,h,i)perylene	ug/L	50	35.9	72	10-149	
Benzo(k)fluoranthene	ug/L	50	36.6	73	41-104	
Chrysene	ug/L	50	36.5	73	35-116	
Dibenz(a,h)anthracene	ug/L	50	36.0	72	13-139	
Fluoranthene	ug/L	50	34.0	68	43-110	
Fluorene	ug/L	50	31.9	64	40-111	
Indeno(1,2,3-cd)pyrene	ug/L	50	35.6	71	17-135	
Naphthalene	ug/L	50	28.5	57	26-120	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

LABORATORY CONTROL SAMPLE: 531633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	50	34.8	70	45-110	
Pyrene	ug/L	50	38.6	77	38-114	
2-Fluorobiphenyl (S)	%			52	10-120	
Nitrobenzene-d5 (S)	%			34	10-120	
Terphenyl-d14 (S)	%			66	10-116	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

QC Batch: MSV/13103 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 9282273005, 9282273006, 9282273007, 9282273008, 9282273009

METHOD BLANK: 530580 Matrix: Water
Associated Lab Samples: 9282273005, 9282273006, 9282273007, 9282273008, 9282273009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/19/10 14:26	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/19/10 14:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/19/10 14:26	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/19/10 14:26	
1,1-Dichloroethane	ug/L	ND	5.0	11/19/10 14:26	
1,1-Dichloroethene	ug/L	ND	5.0	11/19/10 14:26	
1,1-Dichloropropene	ug/L	ND	5.0	11/19/10 14:26	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/19/10 14:26	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/19/10 14:26	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/19/10 14:26	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/19/10 14:26	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/19/10 14:26	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/19/10 14:26	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/19/10 14:26	
1,2-Dichloroethane	ug/L	ND	5.0	11/19/10 14:26	
1,2-Dichloroethene (Total)	ug/L	ND	5.0	11/19/10 14:26	
1,2-Dichloropropane	ug/L	ND	5.0	11/19/10 14:26	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/19/10 14:26	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/19/10 14:26	
1,3-Dichloropropane	ug/L	ND	5.0	11/19/10 14:26	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/19/10 14:26	
2,2-Dichloropropane	ug/L	ND	5.0	11/19/10 14:26	
2-Butanone (MEK)	ug/L	ND	10.0	11/19/10 14:26	
2-Chlorotoluene	ug/L	ND	5.0	11/19/10 14:26	
2-Hexanone	ug/L	ND	10.0	11/19/10 14:26	
4-Chlorotoluene	ug/L	ND	5.0	11/19/10 14:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/19/10 14:26	
Acetone	ug/L	ND	25.0	11/19/10 14:26	
Benzene	ug/L	ND	5.0	11/19/10 14:26	
Bromobenzene	ug/L	ND	5.0	11/19/10 14:26	
Bromochloromethane	ug/L	ND	5.0	11/19/10 14:26	
Bromodichloromethane	ug/L	ND	5.0	11/19/10 14:26	
Bromoform	ug/L	ND	5.0	11/19/10 14:26	
Bromomethane	ug/L	ND	10.0	11/19/10 14:26	
Carbon tetrachloride	ug/L	ND	5.0	11/19/10 14:26	
Chlorobenzene	ug/L	ND	5.0	11/19/10 14:26	
Chloroethane	ug/L	ND	10.0	11/19/10 14:26	
Chloroform	ug/L	ND	5.0	11/19/10 14:26	
Chloromethane	ug/L	ND	5.0	11/19/10 14:26	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/19/10 14:26	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/19/10 14:26	
Dibromochloromethane	ug/L	ND	5.0	11/19/10 14:26	
Dibromomethane	ug/L	ND	5.0	11/19/10 14:26	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

METHOD BLANK: 530580 Matrix: Water

Associated Lab Samples: 9282273005, 9282273006, 9282273007, 9282273008, 9282273009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	5.0	11/19/10 14:26	
Diisopropyl ether	ug/L	ND	5.0	11/19/10 14:26	
Ethylbenzene	ug/L	ND	5.0	11/19/10 14:26	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/19/10 14:26	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/19/10 14:26	
m&p-Xylene	ug/L	ND	10.0	11/19/10 14:26	
Methyl-tert-butyl ether	ug/L	ND	5.0	11/19/10 14:26	
Methylene Chloride	ug/L	ND	5.0	11/19/10 14:26	
n-Butylbenzene	ug/L	ND	5.0	11/19/10 14:26	
n-Propylbenzene	ug/L	ND	5.0	11/19/10 14:26	
Naphthalene	ug/L	ND	5.0	11/19/10 14:26	
o-Xylene	ug/L	ND	5.0	11/19/10 14:26	
p-Isopropyltoluene	ug/L	ND	5.0	11/19/10 14:26	
sec-Butylbenzene	ug/L	ND	5.0	11/19/10 14:26	
Styrene	ug/L	ND	5.0	11/19/10 14:26	
tert-Butyl Alcohol	ug/L	ND	100	11/19/10 14:26	
tert-Butylbenzene	ug/L	ND	5.0	11/19/10 14:26	
Tetrachloroethene	ug/L	ND	5.0	11/19/10 14:26	
Toluene	ug/L	ND	5.0	11/19/10 14:26	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/19/10 14:26	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/19/10 14:26	
Trichloroethene	ug/L	ND	5.0	11/19/10 14:26	
Trichlorofluoromethane	ug/L	ND	10.0	11/19/10 14:26	
Vinyl acetate	ug/L	ND	10.0	11/19/10 14:26	
Vinyl chloride	ug/L	ND	5.0	11/19/10 14:26	
1,2-Dichloroethane-d4 (S)	%	99	70-130	11/19/10 14:26	
4-Bromofluorobenzene (S)	%	102	70-130	11/19/10 14:26	
Dibromofluoromethane (S)	%	111	70-130	11/19/10 14:26	
Toluene-d8 (S)	%	98	70-130	11/19/10 14:26	

LABORATORY CONTROL SAMPLE: 530581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.8	94	70-130	
1,1,1-Trichloroethane	ug/L	50	49.0	98	70-137	
1,1,2,2-Tetrachloroethane	ug/L	50	46.1	92	70-130	
1,1,2-Trichloroethane	ug/L	50	42.2	84	70-130	
1,1-Dichloroethane	ug/L	50	51.9	104	70-137	
1,1-Dichloroethene	ug/L	50	46.3	93	70-138	
1,1-Dichloropropene	ug/L	50	47.9	96	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.9	98	70-143	
1,2,3-Trichloropropane	ug/L	50	45.4	91	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.0	94	70-138	
1,2,4-Trimethylbenzene	ug/L	50	46.4	93	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.2	78	68-134	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

LABORATORY CONTROL SAMPLE: 530581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	43.2	86	70-130	
1,2-Dichlorobenzene	ug/L	50	47.3	95	70-130	
1,2-Dichloroethane	ug/L	50	48.9	98	70-133	
1,2-Dichloroethene (Total)	ug/L	100	98.3	98	70-130	
1,2-Dichloropropane	ug/L	50	44.9	90	70-130	
1,3,5-Trimethylbenzene	ug/L	50	46.5	93	70-130	
1,3-Dichlorobenzene	ug/L	50	47.6	95	70-130	
1,3-Dichloropropane	ug/L	50	46.9	94	70-130	
1,4-Dichlorobenzene	ug/L	50	46.2	92	70-130	
2,2-Dichloropropane	ug/L	50	52.4	105	61-142	
2-Butanone (MEK)	ug/L	100	95.9	96	63-150	
2-Chlorotoluene	ug/L	50	46.4	93	70-130	
2-Hexanone	ug/L	100	84.0	84	70-137	
4-Chlorotoluene	ug/L	50	46.8	94	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	85.7	86	70-134	
Acetone	ug/L	100	129	129	68-160	
Benzene	ug/L	50	46.0	92	70-130	
Bromobenzene	ug/L	50	45.6	91	70-130	
Bromochloromethane	ug/L	50	52.4	105	70-135	
Bromodichloromethane	ug/L	50	44.9	90	70-130	
Bromoform	ug/L	50	50.3	101	70-130	
Bromomethane	ug/L	50	55.1	110	63-130	
Carbon tetrachloride	ug/L	50	48.0	96	70-146	
Chlorobenzene	ug/L	50	47.4	95	70-130	
Chloroethane	ug/L	50	48.0	96	60-151	
Chloroform	ug/L	50	49.0	98	70-130	
Chloromethane	ug/L	50	44.9	90	65-133	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	70-134	
cis-1,3-Dichloropropene	ug/L	50	45.8	92	70-130	
Dibromochloromethane	ug/L	50	45.9	92	70-130	
Dibromomethane	ug/L	50	49.4	99	70-130	
Dichlorodifluoromethane	ug/L	50	45.9	92	66-130	
Diisopropyl ether	ug/L	50	48.0	96	70-133	
Ethylbenzene	ug/L	50	47.0	94	70-130	
Hexachloro-1,3-butadiene	ug/L	50	44.8	90	58-151	
Isopropylbenzene (Cumene)	ug/L	50	47.9	96	70-130	
m&p-Xylene	ug/L	100	95.3	95	70-130	
Methyl-tert-butyl ether	ug/L	50	48.0	96	70-136	
Methylene Chloride	ug/L	50	49.6	99	70-130	
n-Butylbenzene	ug/L	50	46.4	93	70-130	
n-Propylbenzene	ug/L	50	49.0	98	70-130	
Naphthalene	ug/L	50	43.9	88	70-139	
o-Xylene	ug/L	50	48.4	97	70-130	
p-Isopropyltoluene	ug/L	50	47.2	94	70-130	
sec-Butylbenzene	ug/L	50	47.8	96	70-130	
Styrene	ug/L	50	47.6	95	70-130	
tert-Butyl Alcohol	ug/L	500	497	99	69-151	
tert-Butylbenzene	ug/L	50	46.9	94	70-130	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

LABORATORY CONTROL SAMPLE: 530581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	49.0	98	70-130	
Toluene	ug/L	50	46.3	93	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.7	99	70-130	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	70-130	
Trichloroethene	ug/L	50	49.5	99	70-130	
Trichlorofluoromethane	ug/L	50	46.1	92	70-130	
Vinyl acetate	ug/L	100	92.6	93	67-148	
Vinyl chloride	ug/L	50	51.6	103	67-133	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 530582 530583

Parameter	Units	9282027001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	45.7	47.7	91	95	65-160	4	
Benzene	ug/L	ND	50	50	48.3	52.2	97	104	58-162	8	
Chlorobenzene	ug/L	ND	50	50	46.1	49.8	92	100	70-138	8	
Toluene	ug/L	ND	50	50	48.6	51.7	97	103	65-152	6	
Trichloroethene	ug/L	ND	50	50	51.8	54.1	104	108	70-142	4	
1,2-Dichloroethane-d4 (S)	%						96	105	70-130		
4-Bromofluorobenzene (S)	%						98	106	70-130		
Dibromofluoromethane (S)	%						105	107	70-130		
Toluene-d8 (S)	%						99	97	70-130		

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

QC Batch: MSV/13119 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9282273001, 9282273002, 9282273003, 9282273004

METHOD BLANK: 531389 Matrix: Solid
Associated Lab Samples: 9282273001, 9282273002, 9282273003, 9282273004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	11/21/10 12:07	
1,1,1-Trichloroethane	ug/kg	ND	5.0	11/21/10 12:07	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	11/21/10 12:07	
1,1,2-Trichloroethane	ug/kg	ND	5.0	11/21/10 12:07	
1,1-Dichloroethane	ug/kg	ND	5.0	11/21/10 12:07	
1,1-Dichloroethene	ug/kg	ND	5.0	11/21/10 12:07	
1,1-Dichloropropene	ug/kg	ND	5.0	11/21/10 12:07	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	11/21/10 12:07	
1,2,3-Trichloropropane	ug/kg	ND	5.0	11/21/10 12:07	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	11/21/10 12:07	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	11/21/10 12:07	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	11/21/10 12:07	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	11/21/10 12:07	
1,2-Dichlorobenzene	ug/kg	ND	5.0	11/21/10 12:07	
1,2-Dichloroethane	ug/kg	ND	5.0	11/21/10 12:07	
1,2-Dichloropropane	ug/kg	ND	5.0	11/21/10 12:07	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	11/21/10 12:07	
1,3-Dichlorobenzene	ug/kg	ND	5.0	11/21/10 12:07	
1,3-Dichloropropane	ug/kg	ND	5.0	11/21/10 12:07	
1,4-Dichlorobenzene	ug/kg	ND	5.0	11/21/10 12:07	
2,2-Dichloropropane	ug/kg	ND	5.0	11/21/10 12:07	
2-Butanone (MEK)	ug/kg	ND	100	11/21/10 12:07	
2-Chlorotoluene	ug/kg	ND	5.0	11/21/10 12:07	
2-Hexanone	ug/kg	ND	50.0	11/21/10 12:07	
4-Chlorotoluene	ug/kg	ND	5.0	11/21/10 12:07	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	11/21/10 12:07	
Acetone	ug/kg	ND	100	11/21/10 12:07	
Benzene	ug/kg	ND	5.0	11/21/10 12:07	
Bromobenzene	ug/kg	ND	5.0	11/21/10 12:07	
Bromochloromethane	ug/kg	ND	5.0	11/21/10 12:07	
Bromodichloromethane	ug/kg	ND	5.0	11/21/10 12:07	
Bromoform	ug/kg	ND	5.0	11/21/10 12:07	
Bromomethane	ug/kg	ND	10.0	11/21/10 12:07	
Carbon tetrachloride	ug/kg	ND	5.0	11/21/10 12:07	
Chlorobenzene	ug/kg	ND	5.0	11/21/10 12:07	
Chloroethane	ug/kg	ND	10.0	11/21/10 12:07	
Chloroform	ug/kg	ND	5.0	11/21/10 12:07	
Chloromethane	ug/kg	ND	10.0	11/21/10 12:07	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	11/21/10 12:07	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	11/21/10 12:07	
Dibromochloromethane	ug/kg	ND	5.0	11/21/10 12:07	
Dibromomethane	ug/kg	ND	5.0	11/21/10 12:07	
Dichlorodifluoromethane	ug/kg	ND	10.0	11/21/10 12:07	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

METHOD BLANK: 531389 Matrix: Solid

Associated Lab Samples: 9282273001, 9282273002, 9282273003, 9282273004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	11/21/10 12:07	
Ethylbenzene	ug/kg	ND	5.0	11/21/10 12:07	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	11/21/10 12:07	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	11/21/10 12:07	
m&p-Xylene	ug/kg	ND	10.0	11/21/10 12:07	
Methyl-tert-butyl ether	ug/kg	ND	5.0	11/21/10 12:07	
Methylene Chloride	ug/kg	ND	20.0	11/21/10 12:07	
n-Butylbenzene	ug/kg	ND	5.0	11/21/10 12:07	
n-Propylbenzene	ug/kg	ND	5.0	11/21/10 12:07	
Naphthalene	ug/kg	ND	5.0	11/21/10 12:07	
o-Xylene	ug/kg	ND	5.0	11/21/10 12:07	
p-Isopropyltoluene	ug/kg	ND	5.0	11/21/10 12:07	
sec-Butylbenzene	ug/kg	ND	5.0	11/21/10 12:07	
Styrene	ug/kg	ND	5.0	11/21/10 12:07	
tert-Butylbenzene	ug/kg	ND	5.0	11/21/10 12:07	
Tetrachloroethene	ug/kg	ND	5.0	11/21/10 12:07	
Toluene	ug/kg	ND	5.0	11/21/10 12:07	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	11/21/10 12:07	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	11/21/10 12:07	
Trichloroethene	ug/kg	ND	5.0	11/21/10 12:07	
Trichlorofluoromethane	ug/kg	ND	5.0	11/21/10 12:07	
Vinyl acetate	ug/kg	ND	50.0	11/21/10 12:07	
Vinyl chloride	ug/kg	ND	10.0	11/21/10 12:07	
Xylene (Total)	ug/kg	ND	10.0	11/21/10 12:07	
1,2-Dichloroethane-d4 (S)	%	116	70-132	11/21/10 12:07	
4-Bromofluorobenzene (S)	%	97	70-130	11/21/10 12:07	
Dibromofluoromethane (S)	%	113	70-130	11/21/10 12:07	
Toluene-d8 (S)	%	98	70-130	11/21/10 12:07	

LABORATORY CONTROL SAMPLE: 531390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	53.0	106	70-131	
1,1,1-Trichloroethane	ug/kg	50	50.0	100	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	50	52.1	104	70-130	
1,1,2-Trichloroethane	ug/kg	50	51.6	103	70-132	
1,1-Dichloroethane	ug/kg	50	50.8	102	70-143	
1,1-Dichloroethene	ug/kg	50	48.4	97	70-137	
1,1-Dichloropropene	ug/kg	50	47.9	96	70-135	
1,2,3-Trichlorobenzene	ug/kg	50	48.1	96	69-153	
1,2,3-Trichloropropane	ug/kg	50	48.8	98	70-130	
1,2,4-Trichlorobenzene	ug/kg	50	45.4	91	55-171	
1,2,4-Trimethylbenzene	ug/kg	50	48.2	96	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	50	44.6	89	68-141	
1,2-Dibromoethane (EDB)	ug/kg	50	50.5	101	70-130	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

LABORATORY CONTROL SAMPLE: 531390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	49.3	99	70-140	
1,2-Dichloroethane	ug/kg	50	50.1	100	70-137	
1,2-Dichloropropane	ug/kg	50	51.2	102	70-133	
1,3,5-Trimethylbenzene	ug/kg	50	48.0	96	70-143	
1,3-Dichlorobenzene	ug/kg	50	48.0	96	70-144	
1,3-Dichloropropane	ug/kg	50	50.4	101	70-132	
1,4-Dichlorobenzene	ug/kg	50	48.8	98	70-142	
2,2-Dichloropropane	ug/kg	50	50.6	101	68-152	
2-Butanone (MEK)	ug/kg	100	98.2J	98	70-149	
2-Chlorotoluene	ug/kg	50	49.8	100	70-141	
2-Hexanone	ug/kg	100	100	100	70-149	
4-Chlorotoluene	ug/kg	50	49.4	99	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	99.8	100	70-153	
Acetone	ug/kg	100	84.6J	85	70-157	
Benzene	ug/kg	50	48.9	98	70-130	
Bromobenzene	ug/kg	50	47.7	95	70-141	
Bromochloromethane	ug/kg	50	51.3	103	70-149	
Bromodichloromethane	ug/kg	50	50.9	102	70-130	
Bromoform	ug/kg	50	52.0	104	70-131	
Bromomethane	ug/kg	50	55.6	111	64-136	
Carbon tetrachloride	ug/kg	50	52.0	104	70-154	
Chlorobenzene	ug/kg	50	50.8	102	70-135	
Chloroethane	ug/kg	50	56.3	113	68-151	
Chloroform	ug/kg	50	49.7	99	70-130	
Chloromethane	ug/kg	50	54.4	109	70-132	
cis-1,2-Dichloroethene	ug/kg	50	48.2	96	70-140	
cis-1,3-Dichloropropene	ug/kg	50	50.2	100	70-137	
Dibromochloromethane	ug/kg	50	50.5	101	70-130	
Dibromomethane	ug/kg	50	48.4	97	70-136	
Dichlorodifluoromethane	ug/kg	50	49.9	100	36-148	
Diisopropyl ether	ug/kg	50	49.2	98	70-139	
Ethylbenzene	ug/kg	50	50.2	100	70-137	
Hexachloro-1,3-butadiene	ug/kg	50	45.4	91	70-145	
Isopropylbenzene (Cumene)	ug/kg	50	52.7	105	70-141	
m&p-Xylene	ug/kg	100	103	103	70-140	
Methyl-tert-butyl ether	ug/kg	50	43.4	87	45-150	
Methylene Chloride	ug/kg	50	44.7	89	70-133	
n-Butylbenzene	ug/kg	50	46.5	93	65-155	
n-Propylbenzene	ug/kg	50	48.5	97	70-148	
Naphthalene	ug/kg	50	47.8	96	70-148	
o-Xylene	ug/kg	50	52.7	105	70-141	
p-Isopropyltoluene	ug/kg	50	47.6	95	70-148	
sec-Butylbenzene	ug/kg	50	48.6	97	70-145	
Styrene	ug/kg	50	53.2	106	70-138	
tert-Butylbenzene	ug/kg	50	50.4	101	70-143	
Tetrachloroethene	ug/kg	50	50.2	100	70-140	
Toluene	ug/kg	50	47.3	95	70-130	
trans-1,2-Dichloroethene	ug/kg	50	46.1	92	70-136	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

LABORATORY CONTROL SAMPLE: 531390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	49.6	99	70-138	
Trichloroethene	ug/kg	50	48.7	97	70-132	
Trichlorofluoromethane	ug/kg	50	53.4	107	69-134	
Vinyl acetate	ug/kg	100	85.9	86	24-161	
Vinyl chloride	ug/kg	50	62.2	124	55-140	
Xylene (Total)	ug/kg	150	156	104	70-141	
1,2-Dichloroethane-d4 (S)	%			103	70-132	
4-Bromofluorobenzene (S)	%			109	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 531692

Parameter	Units	9281732041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	49.9	58.2	117	49-180	
Benzene	ug/kg	ND	49.9	53.7	108	50-166	
Chlorobenzene	ug/kg	ND	49.9	50.1	101	43-169	
Toluene	ug/kg	ND	49.9	52.9	106	52-163	
1,2-Dichloroethane-d4 (S)	%				103	70-132	
4-Bromofluorobenzene (S)	%				94	70-130	
Dibromofluoromethane (S)	%				106	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 531691

Parameter	Units	9282273003 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,1-Trichloroethane	ug/kg	ND	ND		
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,2-Trichloroethane	ug/kg	ND	ND		
1,1-Dichloroethane	ug/kg	ND	ND		
1,1-Dichloroethene	ug/kg	ND	ND		
1,1-Dichloropropene	ug/kg	ND	ND		
1,2,3-Trichlorobenzene	ug/kg	ND	ND		
1,2,3-Trichloropropane	ug/kg	ND	ND		
1,2,4-Trichlorobenzene	ug/kg	ND	ND		
1,2,4-Trimethylbenzene	ug/kg	ND	ND		
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		
1,2-Dichlorobenzene	ug/kg	ND	ND		
1,2-Dichloroethane	ug/kg	ND	ND		
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		
1,3-Dichloropropane	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

SAMPLE DUPLICATE: 531691

Parameter	Units	9282273003 Result	Dup Result	RPD	Qualifiers
1,4-Dichlorobenzene	ug/kg	ND	ND		
2,2-Dichloropropane	ug/kg	ND	ND		
2-Butanone (MEK)	ug/kg	ND	ND		
2-Chlorotoluene	ug/kg	ND	ND		
2-Hexanone	ug/kg	ND	ND		
4-Chlorotoluene	ug/kg	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		
Acetone	ug/kg	ND	32.1J		
Benzene	ug/kg	ND	ND		
Bromobenzene	ug/kg	ND	ND		
Bromochloromethane	ug/kg	ND	ND		
Bromodichloromethane	ug/kg	ND	ND		
Bromoform	ug/kg	ND	ND		
Bromomethane	ug/kg	ND	ND		
Carbon tetrachloride	ug/kg	ND	ND		
Chlorobenzene	ug/kg	ND	ND		
Chloroethane	ug/kg	ND	ND		
Chloroform	ug/kg	ND	ND		
Chloromethane	ug/kg	ND	ND		
cis-1,2-Dichloroethene	ug/kg	ND	ND		
cis-1,3-Dichloropropene	ug/kg	ND	ND		
Dibromochloromethane	ug/kg	ND	ND		
Dibromomethane	ug/kg	ND	ND		
Dichlorodifluoromethane	ug/kg	ND	ND		
Diisopropyl ether	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
Hexachloro-1,3-butadiene	ug/kg	ND	ND		
Isopropylbenzene (Cumene)	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Methyl-tert-butyl ether	ug/kg	ND	ND		
Methylene Chloride	ug/kg	ND	ND		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	6.8		
o-Xylene	ug/kg	ND	ND		
p-Isopropyltoluene	ug/kg	ND	ND		
sec-Butylbenzene	ug/kg	ND	ND		
Styrene	ug/kg	ND	ND		
tert-Butylbenzene	ug/kg	ND	ND		
Tetrachloroethene	ug/kg	ND	1.8J		
Toluene	ug/kg	ND	ND		
trans-1,2-Dichloroethene	ug/kg	ND	ND		
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		
Trichlorofluoromethane	ug/kg	ND	ND		
Vinyl acetate	ug/kg	ND	ND		
Vinyl chloride	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

SAMPLE DUPLICATE: 531691

Parameter	Units	9282273003 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	109	104	10	
4-Bromofluorobenzene (S)	%	99	97	7	
Dibromofluoromethane (S)	%	109	101	13	
Toluene-d8 (S)	%	98	97	5	

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Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

QC Batch: PMST/3583
Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9282273001, 9282273002

SAMPLE DUPLICATE: 529713

Parameter	Units	9282273001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	34.5	33.7	2	

SAMPLE DUPLICATE: 529714

Parameter	Units	9282329002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	21.2	20.2	5	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

QC Batch: PMST/3584
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9282273003

SAMPLE DUPLICATE: 529744

Parameter	Units	9281430001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	75.4	75.5	0	

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QUALITY CONTROL DATA

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

QC Batch: PMST/3587
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9282273004

SAMPLE DUPLICATE: 530592

Parameter	Units	9282481001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	24.9	17.7	34	R1

SAMPLE DUPLICATE: 530593

Parameter	Units	9282467003 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	26.0	25.0	4	

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QUALIFIERS

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

C9	Common Laboratory Contaminant.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
R1	RPD value was outside control limits.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TANGLEWOOD CROSSING 09-8176.2
Pace Project No.: 9282273

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9282273001	**S-1-16**	EPA 3546	OEXT/11911	EPA 8270	MSSV/4337
9282273002	**S-2-16**	EPA 3546	OEXT/11965	EPA 8270	MSSV/4348
9282273003	**S-3-4**	EPA 3546	OEXT/11911	EPA 8270	MSSV/4337
9282273004	**S-4-3**	EPA 3546	OEXT/11911	EPA 8270	MSSV/4337
9282273005	**WS-1**	EPA 3535	OEXT/11956	EPA 8270	MSSV/4349
9282273006	**WS-2**	EPA 3535	OEXT/11956	EPA 8270	MSSV/4349
9282273007	**WS-3**	EPA 3535	OEXT/11956	EPA 8270	MSSV/4349
9282273008	**WS-4**	EPA 3535	OEXT/11956	EPA 8270	MSSV/4349
9282273009	**WS-5**	EPA 3535	OEXT/11956	EPA 8270	MSSV/4349
9282273005	**WS-1**	EPA 8260	MSV/13103		
9282273006	**WS-2**	EPA 8260	MSV/13103		
9282273007	**WS-3**	EPA 8260	MSV/13103		
9282273008	**WS-4**	EPA 8260	MSV/13103		
9282273009	**WS-5**	EPA 8260	MSV/13103		
9282273001	**S-1-16**	EPA 8260	MSV/13119		
9282273002	**S-2-16**	EPA 8260	MSV/13119		
9282273003	**S-3-4**	EPA 8260	MSV/13119		
9282273004	**S-4-3**	EPA 8260	MSV/13119		
9282273001	**S-1-16**	ASTM D2974-87	PMST/3583		
9282273002	**S-2-16**	ASTM D2974-87	PMST/3583		
9282273003	**S-3-4**	ASTM D2974-87	PMST/3584		
9282273004	**S-4-3**	ASTM D2974-87	PMST/3587		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1406689

Section A Required Client Information:

Company: EnviroAssessments
Address: 9307 Monroe Rd. Ste K
Charlotte, NC 28270
Email To: apetoskey@enviroassessments.com
Phone: 704-846-8853 Fax: 704-846-3271
Requested Due Date/TAT: Due By: 11/26/10

Section B Required Project Information:

Report To: Amanda Petoskey
Copy To:
Purchase Order No.:
Project Name: Tanglewood Crossing
Project Number: 09-8176.2

Section C Invoice Information:

Attention: Elizabeth Hornback
Company Name: EA
Address: Same
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 3818-1, 2

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other 8260 KIT	Analysis Test: 8260	Analysis Test: PAH (8270)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	S-1-16	SL				11/16/10	1130		5	1							1	X	X		9282273001
2	S-2-16	SL					1415			1							1	X	X		002
3	S-3-4	SL					1430			1							1	X	X		003
4	S-4-3	SL					1545			1							1	X	X		004
5	WS-1	WT					0930			2			3					X	X		005
6	WS-2	WT					1030			2			3					X	X		006
7	WS-3	WT					1145			2			3					X	X		007
8	WS-4	WT					1445			2			3					X	X		008
9	WS-5	WT				✓	1615		✓	2			3					X	X		009
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
	Amanda Petoskey / EA	11/17/10	0800	Justin Mattly / pace clt	11-17-10	11:50	5.7 Y	n	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Petoskey

SIGNATURE of SAMPLER: Amanda Petoskey

DATE Signed (MM/DD/YY): 11/17/10

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAssessments Project # 92822273

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun : T809 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract _____0_____C

Corrected Cooler Temp.: 5.7 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Comments:

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: JMM 11-17-10

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____				
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed
Samples checked for dechlorination:	☑Yes	☐No	☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased):_____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

CURF Review: BMH **Date:** 11/17/10 **SRF Review:** BKM **Date:** 11/17/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-CHR-CS-003-rev.01

APPENDIX 10

RESUMES OF KEY PERSONNEL

9307 Monroe Road, Suite K
Charlotte, North Carolina 28270
T 704.846.8853 F 704.846.3271
enviroassessments.com

enviroassessments

CLIFF R. LUNDGREN, P.G.

CLIFF R. LUNDGREN, P.G.
Senior Project Manager

Years of Experience:

EA:	*1*
Other Firms:	*20*

Education:

B.S. Earth Science-Environmental Geology, University of North Carolina at Charlotte, 1990

Licenses:

North Carolina, Professional Geologist, 1995, #1359
South Carolina, Professional Geologist, 1995, #2045

HAZWOPER Certified

Professional Affiliations:

Groundwater Professionals of North Carolina – President 2001
Association of Groundwater Scientists & Engineers
Solid Waste Association of North America – SWANA
Carolina Geological Society
National Groundwater Association

Mr. Lundgren has over 20 years of professional experience and currently he is responsible for providing technical direction, oversight and management of environmental assessment and remediation projects in the Charlotte, NC office. Responsibilities include senior document review of proposals and reports, oversight of all task activities, adherence to contract and budget requirements, compliance with relevant regulatory and in-house QA/QC programs and junior staff mentoring.

Key Projects

Project manager for telecommunications client performing Phase I & II ESA due diligence for cell tower sites throughout North and South Carolina.

Performed field activities including well installations and sample collection, data evaluation and prepared report for a Brownfields redevelopment project that involved extensive soil and groundwater investigations under various Federal and State regulatory programs (Brownfields, Inactive Hazardous Waste Sites, Ground Water, Water Quality). Initial scope of work was thorough enough to secure Brownfields approval in a matter of months for redevelopment of site.

Assisted various clients in all phases of regulatory requirements resulting from releases of UST systems including procedures and reporting for release confirmation, abatement, initial site characterization, soil/ groundwater assessment and cleanup, and site closure. Conduct UST assessment/remediation activities including; Initial Site Check, Phase I and II Limited Site Assessment (LSA), Comprehensive Site Assessment (CSA), and free-product removal involving mobile multi-phase extraction (MMPE) events. Prepare Corrective Action Plans (CAP) to remediate contamination including performance of pre-CAP pilot tests (pump tests, AFVR, air sparging, SVE) and recommendations for potential remediation technologies (natural attenuation, excavate contaminated soil, air sparging, soil vapor extraction, dual phase removal). Also, prepare post-CAP System Enhancement Recommendation (SER) reports entailing upgrades to existing remediation systems.

Performed comprehensive soil, hydrogeologic and agronomic evaluation activities for a Reclaimed Wastewater Irrigation Systems Application at a golf course. Responsible for determination of hydrogeologic and soil properties included soil borings, monitoring wells, inflow permeability testing, aquifer testing, groundwater flow and mounding analysis, near-surface saturated hydraulic conductivity, and soil hydraulic loading rates for engineering design purpose.

Managed a large landfill project involving site expansion study, permitting, groundwater and landfill gas monitoring plans, semi-annual reporting, off-site groundwater and landfill gas migration assessment and remediation. Prepared bid package and managed contract for construction of passive trench landfill gas interceptor system. Performed assessment and prepared remedial action plan for passive-to-active, extraction well landfill gas remediation system.