



March 23, 2022

Ms. Delonda Alexander  
North Carolina Department of Environmental Quality  
Division of Waste Management, Superfund Section  
Dry-cleaning Solvent Cleanup Act Program  
1646 Mail Service Center  
Raleigh, NC 27699-1646

**Re: Risk Management Plan  
Towngate Cleaners  
715 North Howe Street  
Southport, Brunswick County, NC  
DSCA Site ID DC10001  
H&H Job No. DS0-138**

Dear Delonda:

Hart & Hickman, PC (H&H) is pleased to provide the attached Risk Management Plan (RMP) for the former Towngate Cleaners site located at 715 North Howe Street in Southport, Brunswick County, North Carolina. A risk assessment conducted for the site indicates that contaminant concentrations at the site do not pose an unacceptable risk with appropriate land-use controls applied to the impacted properties. The primary purpose of this RMP is to ensure that the assumptions made in the risk assessment remain valid in the future. Based on the documentation outlined in this report, H&H recommends issuance of a No Further Action letter for the site.

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#C-1269 Engineering  
#245 Geology

H&H appreciates the opportunity to work with you on this project. Should you have any questions or need any additional information, please feel free to contact me.

Sincerely,  
*Hart & Hickman, PC*

A handwritten signature in black ink, appearing to read "Genna Olson", is centered on a light gray rectangular background.

Genna Olson, PG  
Principal Geologist

Enclosure: Risk Management Plan

# Risk Management Plan

**Towngate Cleaners  
715 North Howe Street  
Southport, Brunswick County, NC  
DSCA Site ID DC100001**

**H&H Project No. DS0-138D  
March 23, 2022**

**Prepared by:**



**Genna K. Olson, PG  
Principal Geologist**



**SMARTER ENVIRONMENTAL SOLUTIONS**

**#C-1269 Engineering  
#245 Geology**

**Risk Management Plan  
Towngate Cleaners (DC100001)  
Southport, North Carolina  
H&H Job No. DS0-138D**

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**Risk Management Plan  
Towngate Cleaners (DC100001)  
Southport, North Carolina  
H&H Job No. DS0-138D**

**1.0 Introduction**

Hart & Hickman, PC (H&H) has prepared this Risk Management Plan (RMP) to address dry-cleaning solvent contamination associated with the former Towngate Cleaners site (DSCA Site ID DC100001) on behalf of the North Carolina Department of Environmental Quality (NCDEQ), Dry-cleaning Solvent Cleanup Act (DSCA) Program. The Towngate Cleaners facility was formerly located at 715 North Howe Street in Southport, Brunswick County, North Carolina, as shown on **Figure 1**.

The source property (where the dry-cleaning facility was located) is identified as Brunswick County Property Identification Number (PIN) 209611658320, and currently contains three mixed-use condominium buildings associated with addresses of 701 and 715 North Howe Street and 108 West Owens Street. The individual condominium units have multiple owners, but the owner of the common land at the source property is Towngate Crossing POA Inc. Impacts associated with the former Towngate Cleaners site (herein referred to as the “site”) have been identified on the source property and 244 off-source properties where groundwater impacts have been detected.

A map identifying the impacted properties is included as **Figure 2** and a table summarizing impacted property details is included as **Table 1**. This RMP is intended to comply with the requirements of DSCA (N.C.G.S. 143-215.104A *et seqs*) and promulgated rules and follows the outline provided in the DSCA Program’s risk-based corrective action (RBCA) guidance.

**2.0 Objectives of Risk Management Plan**

Assessment activities completed at the former Towngate Cleaners site indicated that tetrachloroethylene (PCE) is present in soil at concentrations above unrestricted use standards on the source property. PCE, trichloroethylene (TCE), cis-1,2-dichloroethylene (cis-1,2-DCE), and/or vinyl chloride (VC) are present in groundwater at concentrations above Title 15A NCAC 2L .0202

Groundwater Standards (2L Standards) on the source property and 244 off-source properties. Additional constituents detected in groundwater at concentrations above 2L Standards, which are not attributed to the dry-cleaning solvent release include benzene, chloromethane, bromodichloromethane, and dibromochloromethane.

H&H completed a risk assessment for the site in accordance with the DSCA Program's risk assessment procedures in March 2019. The results of the risk assessment indicate that there are risks that exceed target risk levels. These risks will be managed using site-specific land-use conditions that have been selected as part of the risk assessment evaluation and which require an RMP. Thus, the objective of this RMP is to ensure that the site-specific land use conditions remain valid in the future.

### 3.0 Summary of Risk Assessment Report

Based on the presence of soil and groundwater impacts above unrestricted use standards, H&H completed a risk assessment to determine if the dry-cleaning solvent impacts pose unacceptable risk. This section provides a summary of the Risk Assessment (dated March 19, 2019), which recommended no further action status for the site with land-use controls for the affected properties.

The risk assessment consisted of evaluating exposure pathways for the following two exposure units, which are shown on **Figure 3**:

- Exposure Unit #1 (EU#1) encompasses the former dry-cleaning source property, which currently contains three multi-tenant buildings, which are commercial on the lower level and residential on the upper level.
- Exposure Unit #2 (EU#2) encompasses the off-source properties overlying the groundwater contaminant plume.

The protection of groundwater use and surface water contamination pathways were also evaluated during the risk assessment. The soil, groundwater, and soil gas data used in the risk assessment are shown on **Figures 4** through **7**. The results of the risk assessment are described below.

## Exposure Unit #1

Complete exposure pathways for contamination identified within EU#1 include indoor inhalation of vapor emissions by a current or future non-residential worker or future resident, and soil exposure by a current or future non-residential worker, future resident, or construction worker. It should be noted that the DSCA Program no longer evaluates the construction worker exposure pathway as this exposure pathway is within the purview of the Occupational Safety and Health Administration (OSHA). However, the construction worker pathway was evaluated at the time of the March 2019 Risk Assessment; therefore, discussion of the construction worker pathway evaluation is included below. The indoor air inhalation pathway was evaluated using soil gas contaminant concentrations for current and future exposure scenarios. The soil combined direct exposure pathways were evaluated using soil contaminant concentrations H&H conservatively used the maximum concentrations detected for each affected media (soil and soil gas) within EU#1 for the exposure point concentrations (EPCs). The exposure pathways were modeled using the NCDEQ Risk Calculator.

For the indoor inhalation of vapor emissions pathway, the results of the risk evaluation for EU#1 indicated unacceptable risk levels for a future resident exposure scenario based on subsurface soil gas data. Risk calculations indicated residential hazard index values of 1.0 and 1.1 for this pathway, which are at or only slightly above the acceptable limit of 1.0. No exceedances of acceptable risk values were identified for the current or future non-residential exposure scenario. The source property buildings currently contain commercial units on the lower level and residential units on the upper level. As the residential hazard index was at or only slightly above the acceptable limit of 1.0 based on soil gas samples collected proximal to the non-residential building occupancy on the lower level, no further vapor intrusion assessment was deemed warranted for the residential building occupancy on the upper level. However, a land-use control was recommended to address possible future risks in the event the building construction or use changes in the future. This land-use control area is identified on **Figure 8** as the “vapor intrusion control area”.

For the soil combined direct exposure pathways, no exceedances of acceptable risk values were identified for the future resident, current or future non-residential worker, or construction worker scenarios. However, because soil concentrations are present above unrestricted use levels, a land-

use control was recommended for the area of impacted soil on the source property to address removal or disturbance of soil in the area where concentrations exceed unrestricted use levels. This land-use control area is identified on **Figure 8** as the “soil disturbance control area”.

### Exposure Unit #2

Complete exposure pathways for contamination identified within EU#2 include indoor inhalation of vapor emissions by a current or future non-residential worker or resident. These pathways were evaluated using soil gas data and the NCDEQ Risk Calculator. H&H conservatively used the maximum soil gas contaminant concentrations detected within EU#2 for EPCs. The results of the risk assessment for EU#2 did not indicate exceedances of acceptable risk levels for a current or future resident or non-residential worker. Therefore, the only land-use control recommended for the area of EU#2 is a control preventing the use of groundwater, as discussed in the next section.

### Protection of Groundwater Use – Contaminant Migration Pathway

The protection of groundwater use pathway was modeled assuming that controls limiting groundwater use will be implemented for the properties overlying the plume (see area designated as “groundwater use control area” on **Figure 9**). These properties were defined based on the results of monitoring well sampling, direct-push sampling, and surface water sampling performed at the site. Note that 11 existing water supply wells are located in the area of the plume and impacts have been detected in several wells used for irrigation. However, the owners of these wells are connected to the public water service and have either denied the request or did not respond to the request by the DSCA Program to abandon their wells.

For the protection of groundwater use modeling, the point of exposure (POE) was defined at the closest actual or hypothetical water supply well in the downgradient direction. The nearest hypothetical water supply well location is assumed to be at the nearest property boundary where controls limiting groundwater use will not be implemented. For source soil, the POE location was placed at the nearest downgradient property boundary on which data indicate no impacts and no groundwater use controls will be implemented, which is approximately 160 feet to the southeast of the soil source area as shown on **Figure 3**. For source groundwater, the POE location was placed

at the nearest existing downgradient water supply well, which is approximately 150 feet to the southwest of the source groundwater area as shown on **Figure 3**.

For the groundwater source area, EPCs were defined as maximum contaminant concentrations detected in direct-push groundwater samples or in monitoring wells over the last four groundwater monitoring events. For the soil source area, EPCs were defined as maximum contaminant concentrations detected in soil samples collected from the site. For the dry-cleaning solvent constituents PCE and breakdown products, the EPCs are based on groundwater data for wells MW-15, MW-16S, and SB-12 and soil data for boring SB-4. Modeling was performed using the NCDEQ Risk Calculator.

Modeling results for the protection of groundwater use evaluation indicated exceedances of site-specific target levels (SSTLs) for source soil and source groundwater. With regard to exceedances for source soil, groundwater sampling data indicate that the plume is not migrating beyond the designated POE under current conditions. If site conditions do not change, the current plume stability is not expected to change and therefore, the groundwater monitoring data are considered more relevant than the modeling results. However, some of the modeling inputs are conservative parameters, most notably the rate of infiltration, which may not be representative of the current site conditions. The current land cover (i.e., the asphalt parking lot) over the soil source area minimizes infiltration in the source area and leaching of contaminants from source soil. However, because rate of infiltration is a significant variable in the leaching of contamination from soil and subsequent migration in groundwater, it is possible that plume expansion could occur as indicated by the model in the event that site conditions were altered such that infiltration rates increased in the area of source contamination. Therefore, a land-use control is recommended to maintain the current surface cover to prevent an increase in infiltration in the area of impacted soil exceeding the SSTLs. This area is identified on **Figure 8** as the "surface cover control area".

With regard to exceedances for source groundwater for the protection of groundwater use evaluation, the POE was designated as a water supply well within the plume area and the plume is known to migrate beyond this water supply well. As discussed above, 11 private water supply wells have been identified in the plume area, but the owners of these wells are connected to the

public water service and have either denied the request or did not respond to the request by the DSCA Program to abandon their wells. The area of impacted groundwater associated with the site has been defined based on prior sampling data, which are considered more relevant than modeling results. Groundwater use controls will be implemented for the properties overlying the plume, which are identified on **Figure 8** as the “groundwater use control areas”.

#### Protection of Surface Water – Contaminant Migration Pathway

For the protection of surface water use evaluation, the POE was determined to be an unnamed tributary to the Cape Fear River, which is classified as a Class C surface water body. The POE is located approximately 1,190 feet from the groundwater source area and 1,645 feet from the soil source area. The POE location is identified on **Figure 3**. Modeling was performed using the NCDEQ Risk Calculator and the same EPCs for the soil and groundwater source areas referenced for the protection of groundwater use evaluation.

Modeling results for the protection of surface water evaluation did not indicate exceedances of SSTLs for source groundwater or source soil. In addition, surface water samples collected from the nearest surface water body contained no detectable levels of dry-cleaning solvent contaminants. As such, the protection of surface water pathway is not considered a significant risk. Therefore, no additional land-use controls are recommended for this exposure pathway.

Based on the results of this risk assessment, H&H concludes that the risks associated with the contamination at the site can be managed through implementation of land-use controls, as detailed in this RMP. Therefore, the risk assessment recommended risk-based closure for the site. The land-use controls proposed for the site are discussed in Section 6.0.

## **4.0 Remedial Action Plan**

### **4.1 Assessment Activities and Interim Actions**

Dry-cleaning operations were conducted under the name Towngate Cleaners from the mid-1970s until the early 1990s. The dry-cleaning operations utilized PCE solvent in the cleaning process.

The facility remained vacant subsequent to the shutdown of dry-cleaning operations until December 2004, when the former dry-cleaning facility was demolished and the source property was redeveloped with three multi-story buildings with retail businesses on the lower level and condominiums on the upper levels.

In August 1994, Avolis Engineering conducted a Phase I Environmental Site Assessment (ESA) and Limited Phase II ESA identifying three operations of environmental concern: former dry-cleaning activities at Towngate Cleaners from the mid-1970s to the early 1990s; a former fuel oil underground storage tank (UST) in the public alleyway west of the former dry-cleaner; and the former Convenient Food Mart gas station located south of the former dry-cleaner. The Phase II soil and groundwater assessment activities indicated total petroleum hydrocarbons (TPH) in soil near the former fuel oil UST and PCE in groundwater. Chlorinated solvent constituents detected in groundwater were attributed to releases from the former Towngate Cleaners.

Subsequent site assessment was conducted by Terra-Kleen Response Group, Inc, in 1996 and the North Carolina Department of Environmental and Natural Resources (NCDENR, currently NCDEQ) Groundwater Section's Field Investigations Group from 1999 until 2001. In July 2001, the source property was acquired by Southport Ventures, Inc., who subsequently petitioned for entry of the site into the DSCA Program. The site was certified into the program in January 2002. The DSCA Program subsequently performed assessment and monitoring activities at the site between 2002 and 2018.

In August 2003, Clark Environmental Services completed a Prioritization Assessment Report, which summarized the previous assessment activities completed at the site and documented additional groundwater and soil assessment activities, water supply well sampling activities, and a receptor survey completed within a 1,500-ft radius of the source property. The assessment activities identified soil impacts, primarily under the former dry-cleaning facility. Groundwater impacts were identified on the source property. A Prioritization Assessment Update, which included additional groundwater assessment, was conducted by ENSR Consulting & Engineering, Inc, in March 2007. ATC Associates of North Carolina, PC, performed multiple direct-push groundwater, soil, soil gas, and water supply well sampling events, between 2007 and 2017 to

determine the extent of impacted media and monitor groundwater concentration trends. H&H conducted additional groundwater and water supply well sampling between 2017 and 2018, as well as conducted a receptor survey of the area within 500 feet of the estimated area of impacts. Pertinent results of these assessment activities are discussed further below.

### Soil Assessment Results

Soil assessment activities indicated that soil is impacted by PCE in the area below the former dry-cleaning facility. The extent of impacted soil is delineated to the north, south, and west. Soil samples have not been collected to the east of the soil source area; however, borings to the northeast and southeast indicate no exceedances of NCDEQ Preliminary Soil Remediation Goals (PSRGs) and there is no property line in close proximity in the eastern direction. As such, the level of assessment is considered sufficient for risk characterization purposes and designation of land-use control areas.

### Groundwater Assessment Results

A plume of groundwater impacted by PCE and associated breakdown products TCE, cis-1,2-DCE, and VC extends from the former dry-cleaning facility at least 1,700 feet downgradient to the southeast, 1,800 feet to the south, and 2,300 feet to the west-southwest. The TCE plume is the most widespread across the site. The downgradient extent of impacted groundwater has been delineated based on direct-push groundwater sampling, with the exception of the far eastern extent. The plume appears to potentially intersect the downgradient tributary to the east in this direction. Though groundwater sampling in this area was not able to be performed, the tributary likely acts as a groundwater discharge feature for the surficial aquifer and it is assumed that the plume does not extend beyond this tributary. Surface water samples were collected from this tributary in 2009 that did not indicate detectable dry-cleaning solvent constituents. The vertical extent of impacted groundwater has been delineated based on groundwater sampling performed at multiple depth intervals. The Castle Hayne confining unit appears to be impeding downward migration of the plume into the underlying Castle Hayne aquifer.

### Vapor Intrusion Assessment Results

Soil gas samples have been collected from beneath the former dry-cleaning facility footprint, near the current buildings on the source property, near the downgradient boundary of the source property, and in the area of highest groundwater concentrations in the shallow downgradient plume area. The soil gas data indicate residential hazard index values of 1.0 and 1.1 adjacent to the buildings located on the source property to the south and west, respectively, of the former dry-cleaner. No exceedances of non-residential risk values were identified in the area of these buildings. As previously discussed, the source property buildings currently contain commercial units on the lower level and residential units on the upper level. As the residential hazard index was at or only slightly above the acceptable limit of 1.0 based on soil gas samples collected proximal to the non-residential building occupancy on the lower level, no further vapor intrusion assessment was deemed warranted for the residential building occupancy on the upper level. No exceedances of acceptable risk levels for residential or non-residential land-use were identified off the source property.

### Water Supply Well Assessment Results

Multiple surveys for water supply wells have been performed for the site vicinity, including a mailing to property owners and tenants within 500 feet of the estimated plume extent requesting information on water supply wells. The latest receptor survey data indicate 11 private water supply wells within the plume area and 39 additional private water supply wells within 500 feet of the plume. The identified wells are either inactive or used for non-drinking water purposes (irrigation, swimming pools, etc.). According to the Town of Southport, all properties within the Town limits are required to be connected to the public water service. Two public water supply wells were previously located in the site vicinity (Leonard Street well located 400 feet northeast of the plume and 9<sup>th</sup> Street well located 1,600 feet northwest of the plume). However, the Town of Southport reported that these wells are no longer in use and have been properly abandoned. The Town currently obtains water from a Brunswick County well field located approximately 4 miles west-northwest of the site.

Numerous sampling events have been performed for water supply wells in the area between 2001 and 2018. As part of these activities, the DSCA Program performed a mailing to property owners

and tenants within 500 feet of the plume offering to sample identified water supply wells. Where property owners consented, water supply well sampling was performed. The results of the water supply well sampling identified TCE historically in the private water supply well located at 503 N. Atlantic Avenue at concentrations above the 2L Standard and Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) while VC was historically identified in this well at a concentration above the 2L Standard but below the EPA MCL. TCE was also detected historically above the 2L Standard but below the MCL in the private water supply wells located at 509 N. Atlantic Avenue and 120 W. West Street. However, concentrations in the impacted wells were below 2L Standards during the most recent sampling events. PCE and its degradation products were either detected below 2L Standards, not detected, or access for purposes of sampling were denied for remaining water supply wells identified within the plume area.

The DSCA Program also performed a mailing to property owners and tenants offering to abandon the water supply wells identified within the plume. Two property owners responded with consent for the well abandonment (120 W. West Street and 407 N. Atlantic Avenue). Abandonment of the wells at these properties was performed on February 1, 2019. For the remaining water supply wells in the plume area, property owners either denied the request or did not respond to the request.

H&H submitted a Risk Assessment report for the site on March 19, 2019. As discussed in detail in Section 3.0, the risk assessment concluded that risks associated with the contamination at the site could be managed through implementation of land-use controls as detailed in this RMP. Therefore, the risk assessment recommended risk-based closure for the site. The purpose of this RMP is to ensure that the assumptions made in the risk assessment remain valid in the future.

## **4.2 Remedial Action**

According to the DSCA Program's RBCA guidance, no remedial action is necessary if four site conditions are met. Each of these conditions and their applicability to the subject site are addressed below.

**Condition 1: The dissolved plume is stable or decreasing.**

As discussed in Section 4.1, periodic groundwater monitoring events were conducted between 2000 and 2018. Dry-cleaning related constituents detected above 2L Standards at the site include PCE, TCE, cis-1,2-DCE, and VC. Therefore, the plume stability analysis focused on these compounds.

The plume stability evaluation included review of graphs of groundwater concentrations versus time and performing a Mann-Kendall statistical analysis of the PCE, TCE, cis-1,2-DCE, and VC concentrations in monitoring wells and water supply wells using the GSI Mann-Kendall Toolkit. As shown in the concentration versus time graphs, consistently low concentrations of dry-cleaning constituents have been detected in certain wells with concentrations either decreasing or slightly fluctuating over time. The GSI Mann-Kendall evaluations were performed on all wells showing multiple exceedances of 2L Standards for PCE, TCE, cis-1,2-DCE, and/or VC. The evaluations report stable, decreasing, or no trend for each monitoring well and water supply well evaluated, except for cis-1,2-DCE in MW-16S, which reported a “probably increasing” trend. cis-1,2-DCE is a breakdown product of PCE and provides positive evidence of natural attenuation of the PCE and TCE plumes. As such, the increasing cis-1,2-DCE trend in well MW-16S is not considered a concern.

The downgradient plume extent was delineated based on temporary direct-push wells and concentrations over time are not available in these areas. However, based on declining concentrations in the core of the plume and overall low concentrations in the downgradient portions of the plume, H&H concludes that the current dataset is sufficient to confirm the plume is stable. The plume stability demonstration, including a table showing historical groundwater analytical data, concentration versus time graphs, and GSI Mann-Kendall evaluations, is included in **Appendix A**.

**Condition 2: The maximum concentration within the exposure domain for every complete exposure pathway of any constituent of concern (COC) is less than 10 times the EPC of that COC.**

For the risk assessment, H&H used the maximum concentrations detected in each exposure unit as the EPC for each constituent. Thus, this condition has been met for all COCs and exposure pathways.

**Condition 3: Adequate assurance is provided that the land-use assumptions used in the DSCA Program's RBCA process are not violated for current or future conditions.**

As discussed in Section 6.0, land-use controls will be implemented for the source property and 244 off-source properties to ensure that the assumptions made in the risk assessment remain valid in the future.

**Condition 4: There are no ecological concerns at the site.**

H&H completed a Level 1 Ecological Risk Assessment dated March 2018 for the site in accordance with the DSCA Program's RBCA guidance. The results of the evaluation indicate that the release does not pose an unacceptable ecological risk. The completed Level 1 Ecological Risk Assessment Checklists A and B and associated attachments are included as **Appendix B**.

The site's compliance with the four above-referenced conditions confirms that the contaminant concentrations are not likely to pose an unacceptable risk either at present or in the future. Remaining contamination is at low concentrations and is expected to naturally attenuate over time. The appropriate remedial action is to implement land-use controls on the properties where contamination is present.

## **5.0 Data Collected During RMP Implementation**

No further sampling or other data collection activities are proposed for the site, as long as the assumptions detailed in each Notice of Dry-Cleaning Solvent Remediation (NDCSR) remain valid. As such, this section is not applicable.

## 6.0 Land-Use Controls

As discussed in Section 3.0, the recommendation for closure in the risk assessment for the site was based on the following land-use controls:

- No activities that encounter, expose, remove or use groundwater will occur on the source property and 244 impacted off-source properties without prior approval of NCDEQ in the areas identified as “groundwater use control area” on **Figures 8 and 9**.
- No activities that disturb or remove soil will occur on the source property without prior approval of NCDEQ in the area identified as “soil disturbance control area” on **Figure 8**.
- No activities that cause or create a vapor intrusion risk will occur on the source property without prior approval of NCDEQ in the area identified as “vapor intrusion control area” on **Figures 8 and 9**.
- No activities that will cause or create an increase in infiltration will occur on the source property without prior approval of NCDEQ in the area identified as “surface cover control area” on **Figure 9**.

Institutional controls will be implemented to ensure that land-use conditions are maintained and monitored until the land-use controls are no longer required for the site. NDCSRs were prepared for the source property and impacted off-source properties to comply with the land-use control requirement. The NDCSR for the source property is included in **Appendix C**, and an example of the NDCSR for the off-source properties is included in **Appendix D**. Refer to the NDCSRs for the specific language to be incorporated to address each of the risk assessment assumptions.

A plat showing the locations and types of dry-cleaning solvent impacts on the site is included as an exhibit to each NDCSR. The locations of dry-cleaning solvent contamination are where contaminants have been detected above unrestrictive use standards. Survey plats filed with the Brunswick County Register of Deeds were reviewed to determine whether previously recorded plats could be used to fulfil the NDCSR requirements. Previously recorded plats suitable for inclusion as exhibits to the NDCSRs were identified for 25 off-source properties. New survey plats were created for the source property and remaining 219 off-source properties. The survey plat for

the source property is included with the NDCSR in **Appendix C**. The survey plats for the off-source properties are included in **Appendix E**.

Note that the NDCSR for the source property requires that the property owner sign the NDCSR and survey plat. As previously mentioned, the source property contains condominiums with multiple owners, but the common land is owned by Towngate Crossing POA, Inc. Based on information provided by representatives of the property ownership association, Towngate Crossing POA, Inc. is authorized to sign the source property NDCSR and survey plat, and signatures of the individual property owners are not required.

## **7.0 Long-Term Stewardship Plan**

The NDCSR for the source property contains a clause which requires the owner of the former Towngate Cleaners source property to submit a notarized “Annual Certification of Land-Use Restrictions” to NCDEQ on an annual basis certifying that the NDCSR remains recorded with the Register of Deeds and that land-use restrictions (LURs) are being complied with. An example of such a notice is included in **Appendix F**. Similar to the NDCSR and survey plat signatory requirements, based on information provided by representatives of the property ownership association, Towngate Crossing POA, Inc. is authorized to sign the “Annual Certification of Land-Use Restrictions”, and signatures of the individual property owners are not required.

## 8.0 RMP Implementation Schedule

Since the groundwater plume is stable and possible exposure to the contamination is managed through the NDCSRs, no additional site remediation activities are required to implement the RMP. A 30-day public comment period will be held to allow the community an opportunity to comment on the proposed strategy. Following that 30-day period, the owners of off-source properties where dry-cleaning solvent contamination has been detected in groundwater will be notified that a notice will be placed in their chain of title indicating that state regulations prohibit the installation of a water supply well on their property, pursuant to N.C. Gen. Stat. 143-215.104I(b1) and N.C. Gen. Stat. 215.104M. These property owners will have 60 days to appeal this notice, pursuant to N.C. Gen. Stat. 143-215.104S. **Appendix G** includes example documents that will be used to announce the public comment period in the local newspaper and to inform local officials, nearby property owners, and interested parties. Upon completion of the 30-day public comment period, 60-day appeal period, and final approval of the RMP, the NDCSRs will be filed with the Brunswick County Register of Deeds and will complete the RMP schedule.

## 9.0 Criteria for Demonstrating RMP Success

The RMP will be successfully implemented once the required NDCSRs have been executed and recorded with the Brunswick County Register of Deeds. The NDCSR for each property may, at the request of the owner of the property, be canceled by NCDEQ after the risk to public health and the environment associated with the dry-cleaning solvent contamination and any other contaminants included in the dry-cleaning solvent assessment and remediation agreement has been eliminated as a result of remediation of the property. If NCDEQ is notified of a change in site conditions, per the notification requirements detailed in the NDCSR, the RMP will be reviewed to determine if the site conditions have impacted the requirements set forth in the NDCSR and if changes are required. Enforcement of the RMP will be maintained through receipt of the “Annual Certification of Land-Use Restrictions” from the source property owner as part of the NDCSR requirements.

## 10.0 Contingency Plan if RMP Fails

As discussed above, unless the DSCA Program is notified of a change in land-use conditions at the subject site, per the notification requirements detailed in this plan, the RMP will remain in effect until the RMP has met its objectives and is considered a success. Pursuant to N.C.G.S. 143-215.104K, if any of the LURs set out in the NDCSR are violated, the owner of the site property at the time the LURs are violated, the owner's successors and assigns, and the owner's agents who directed or contracted for alteration of the site in violation of the LURs, shall be held liable for the remediation of all contaminants to unrestricted use standards.

## 11.0 Conclusions and Recommendations

H&H has prepared this RMP for the former Towngate Cleaners site on behalf of the DSCA Program. The results of the risk assessment completed for the site indicate that contaminant concentrations do not pose an unacceptable risk with appropriate land-use controls applied to the impacted properties. The groundwater contaminant plume associated with the site appears to be stable or decreasing. This RMP specifies that the NDCSR requirements provide notification that land-use conditions observed during the risk assessment evaluation remain valid in the future. Based on the documentation contained in this report, H&H recommends issuance of a "No Further Action" letter.

**Table 1**  
**Summary of Impacted Properties**

**Table 1: Summary of Impacted Properties**

**DSCA ID No. DC100001**

Ref. No./ Map No.	Property PIN Number	Property Owner Name and Physical Address of Property	Mailing Address	City	State	Zip Code	Property Location (source or off-source)
1	209611658320	Towngate Crossing POA Inc 715 N Howe Street - Various Units (see owners below) Southport, NC 28461	P.O. Box 10637	Southport	NC	28461	Source
		John and Marcia Erwin 715 N Howe St Unit 1	2501 W Dolphin Dr	Oak Island	NC	28465	
		William and Theresa McKeithan 715 N Howe St Unit 2	1006 Bussell Turn	Southport	NC	28461	
		Holland Investment Properties, LLC 715 N Howe St Unit 3	P.O. Box 461	Southmont	NC	27351	
		Jeter Investments I LLC 715 N Howe St Unit 4 701 N Howe St Unit 7	114 Kings Way Dr	Dunn	NC	28334	
		Lindsay L Farris 715 N Howe St Unit 5	715 N Howe St #5	Southport	NC	28461	
		Kathelyne De Tremmerie 715 N Howe St Unit 6	715 N Howe St Unit 6B	Southport	NC	28461	
		William R Atkins 715 N Howe St Unit 7	715 N Howe St #B7	Southport	NC	28461	
		Matthew Mansfield 715 N Howe St Unit 8	P.O. Box 11188	Southport	NC	28461	
		James Don Bullard II 701 N Howe St Unit 1	6808 Towles Rd	Wilmington	NC	28409	
		Scott & Tia Kasemen 701 N Howe St Unit 2	112 Bonnetts Creek Ln Ste 2	Southport	NC	28461	
		James L & Jannette S Averett 701 N Howe St Unit 3	1019 Sutton Rd	Greensboro	NC	27406	
		Cynthia G and George R Barkett, II 701 N Howe St Unit 4	2174 SW Whitemarsh Way	Palm City	FL	34990	
		Spinnaker Property Holdings LLC 701 N Howe St Unit 5	701 N Howe St Unit A5	Southport	NC	28461	
		David G & Michelle T Gore 701 N Howe St Unit 6	101 Walnut Circle	Richmond	KY	40475	
		Douglas Randall Jones 701 N Howe St Unit 8	308 E Leonard St	Southport	NC	28461	
		Leigh Property Group LLC 108 W Owens St Unit 1 108 W Owens St Unit 4	6209 Oconner St	Raleigh	NC	27617	
		Peter B & Paula D Stewart 108 W Owens St Unit 3	125 Dundee Rd	Fayetteville	NC	28303	
Gary & Peggy Shore 108 W Owens St Unit 2	P.O. Box 266	Blowing Rock	NC	28605			
2	209611656351	Rosa L Fullwood 712 N Lord Street Southport, NC 28461	P.O. Box 10197	Southport	NC	28461	Off-Source
3	209611656265	Haywood Equity Group LTD Partnership (no property address defined)	P.O. Box 458	Gastonia	NC	28053	Off-Source
4	209611656179	Haywood Equity Group LTD Partnership (no property address defined)	P.O. Box 458	Gastonia	NC	28053	Off-Source
5	209616841605	City of Southport (no property address defined)	1029 N Howe Street	Southport	NC	28461	Off-Source
6	209616748701	James Craver Properties LLC (no property address defined)	P.O. Box 526	Concord	NC	28026	Off-Source
7	209616745681	Melvin & Shellie Hammill 504 N Atlantic Ave Southport, NC 28461	3530 East Ridge Road	Salisbury	NC	28144	Off-Source
8	209616746504	Hazel Robbins Trott 502 N Atlantic Ave Southport, NC 28461	310 Park Ave Ext	Southport	NC	28461	Off-Source
9	209616748492	Southport Station Owners Association 313 E Brown St - Various Units (see owners below) Southport, NC 28461	P.O. Box 10342	Southport	NC	28461	Off-Source
		Robert G & Michelle P Reasso 313 E Brown St Unit A	P.O. Box 628	Misenheimer	NC	28109	
		Thomas J & Patricia A Markuszka 313 E Brown St Unit B	8933 Pennyhill Dr	Huntersville	NC	28078	
		James & Sherene Miller 313 E Brown St Unit F	1777 Chestnut Pl, Unit 1305	Denver	CO	80202	
		Kimberly Jayne Freeman 313 E Brown St Unit C	313C E Brown St	Southport	NC	28461	
		Raeford & Willa P Daughtry 313 E Brown St Unit D	267 Warren Mill Rd	Newton Grove	NC	28366	
		George Slade & Amy Sharpe 313 E Brown St Unit E	15 Eldridge St	Buzzards Bay	MA	2532	
		Anderson Living Trust 313 E Brown St Unit G	2680 St James Dr SE	Southport	NC	28461	
Henry M & Mary T Long 313 E Brown St Unit H	P.O. Box 518	Wilson	NC	27894			
10	209616747334	Henry Foy Family LTD Partnership 402 N Atlantic Ave Units 1-12 Southport, NC 28461	1904 Belvedere Avenue	Charlotte	NC	28205	Off-Source
11	209615743769	Kathleen Ballard Murray Rev Trust 116 E Leonard Street Southport, NC 28461	1935 Liliano Drive	Siera Madre	CA	91024	Off-Source

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12	209615742797	Brenda L Gregory 112 E Leonard Street Southport, NC 28461	P.O. Box 10596	Southport	NC	28461	Off-Source
13	209615743722	Kathleen Ballard Murray Rev Trust 517 N Atlantic Ave Southport, NC 28461	1935 Liliano Drive	Siera Madre	CA	91024	Off-Source
14	209615743646	David S Mitchell 513 N Atlantic Ave Southport, NC 28461	513 N Atlantic Ave	Southport	NC	28461	Off-Source
15	209615743661	Todd Wiley & Amy James Greer 509 N Atlantic Ave Southport, NC 28461	509 N Atlantic Ave	Southport	NC	28461	Off-Source
16	209615743573	Cecil & Eula Mae Franck 503 N Atlantic Ave Southport, NC 28461	503 N Atlantic Ave	Southport	NC	28461	Off-Source
17	209615743498	Kathryn Kalmanson 501 N Atlantic Ave Southport, NC 28461	501 N Atlantic Ave	Southport	NC	28461	Off-Source
18	209615744248	Cinderella Story LLC 411 N Atlantic Ave Units 16 & 17 Atlantic Ave Units 14 & 15 Southport, NC 28461	417 N 2075 Juniper Lake Rd	West End	NC	27376	Off-Source
19	209615744290	Shirley Haithcox 407 N Atlantic Ave Southport, NC 28461	407 N Atlantic Ave	Southport	NC	28461	Off-Source
20	209616745167	Benjamin Gumm & Sally McLaren 405 N Atlantic Ave Southport, NC 28461	405 N Atlantic Ave	Southport	NC	28461	Off-Source
21	209616745183	Rosa Anderson Walker 213 E Brown Street Southport, NC 28461	P.O. Box 984	Ocala	FL	34478	Off-Source
22	209615744191	Maria F Tilling 207 E Brown Street Southport, NC 28461	107 N Atlantic Ave	Southport	NC	28461	Off-Source
23	209615744079	Marcus & Sharon Weibel 205 E Brown Street Southport, NC 28461	3496 Milford Ct NW	Concord	NC	28027	Off-Source
24	209615744046	Susan Otis Farley 203 E Brown Street Southport, NC 28461	600 N Howe Street	Southport	NC	28461	Off-Source
25	209615741782	Maria Tilling & Paul Swenson 524 N Howe Street Units A & B Southport, NC 28461	107 N Atlantic Ave	Southport	NC	28461	Off-Source
26	209615742621	Kelley Hospitality LLC 512 & 514 N Howe Street Southport, NC 28461	512 N Howe St	Southport	NC	28461	Off-Source
27	2096155742541	Bradley Simmons and Harold Walder 508 N Howe Street Southport, NC 28461	315 NE 47th Street	Oak Island	NC	28465	Off-Source
28	209615742457	Celeste Danjolell (no property address defined)	1782 Tanyard Road	Lafayette	TN	37083	Off-Source
29	209615742453	Celeste Danjolell 424 N Howe Street Southport, NC 28461	1782 Tanyard Road	Lafayette	TN	37083	Off-Source
30	209615742377	LKG 3 LLC 422 N Howe Street Southport, NC 28461	3000 Bonner Brussels Drive	Southport	NC	28461	Off-Source
31	209615742383	Ronnie & Rebecca Funderburke 420 N Howe Street Southport, NC 28461	6193 Sawdust Ln SE	Winnabow	NC	28479	Off-Source
32	209615742390	Ronnie & Rebecca Funderburke 418 N Howe Street Southport, NC 28461	6193 Sawdust Ln SE	Winnabow	NC	28479	Off-Source
33	209615743206	Ronnie & Rebecca Funderburke 416 N Howe Street Southport, NC 28461	6193 Sawdust Ln SE	Winnabow	NC	28479	Off-Source
34	209615743212	Joseph Bonczkowski & Elizabeth Shanahan 414 N Howe Street Southport, NC 28461	414 N Howe Street	Southport	NC	28461	Off-Source
35	209615743129	Hasu Properties LLC (no property address defined)	774 Galloway Drive	Fayetteville	NC	28303	Off-Source
36	209615743160	Sea Dog Holdings LLC 105 E Brown Street Southport, NC 28461	411 N Burrington Ave	Southport	NC	28461	Off-Source
37	209615742192	Hasu Properties 412 N Howe Street Units 1-7 Southport, NC 28461	774 Galloway Drive	Fayetteville	NC	28303	Off-Source
38	209615743014	John and Sheila Barbee 101 E Brown Street Southport, NC 28461	101 E Brown Street	Southport	NC	28461	Off-Source
39	209615733846	City of Southport 320 N Howe Street Southport, NC 28461	201 E Moore Street	Southport	NC	28461	Off-Source

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40	209615733786	Southport Rosario LLC 310 N Howe Street Southport, NC 28461	975 Kearns Ave	Winston-Salem	NC	27106	Off-Source
41	209615734701	David & Paula Pittman 306 N Howe Street Southport, NC 28461	116 SE 12th Street	Oak Island	NC	28465	Off-Source
42	209615734618	Lisa Botnick 302 N Howe Street Southport, NC 28461	1002 Newton Drive	Southport	NC	28461	Off-Source
43	209615734643	Trinity United Methodist Church of Southport Inc 300 N Howe Street Southport, NC 28461	209 E Nash Street	Southport	NC	28461	Off-Source
44	209611658097	PSAZ Properties LLC 619 N Howe Street Units A-D Southport, NC 28461	619 N Howe Street	Southport	NC	28461	Off-Source
45	209611659001	B. H. Rogers Jr. 611 N Howe Street Southport, NC 28461	211 N Caswell Ave	Southport	NC	28461	Off-Source
46	209615649930	Carolina Coastal Café LLC 607 N Howe Street Southport, NC 28461	101 SE 28th St	Oak Island	NC	28465	Off-Source
47	209615649852	Prevatte & Prevatte PLLC 601 N Howe Street Southport, NC 28461	PO Box 10969	Southport	NC	28461	Off-Source
48	209611658023	Doreen McClung 107 W Owens Street Units 1 & 2 Southport, NC 28461	105 N Caswell Ave	Southport	NC	28461	Off-Source
49	209611657046	Jamilas Properties LLC 111 W Owens Street Southport, NC 28461	115 Thompson Drive	Southport	NC	28461	Off-Source
50	209615647968	E. W. Gore Rental LLC (no property address defined)	111 Owens Street	Southport	NC	28461	Off-Source
51	209611656063	E. W. Gore Rental LLC 620 N Lord Street Southport, NC 28461	111 Owens Street	Southport	NC	28461	Off-Source
52	209615647926	Willie L Gore 610-616 N Lord Street Southport, NC 28461	111 Owens Street	Southport	NC	28461	Off-Source
53	209615647885	Amy Templeton & Richard Tilyard 606 N Lord Street Southport, NC 28461	604 N Lord Street	Southport	NC	28461	Off-Source
54	209615648820	Prevatte & Prevatte PLLC (no property address defined)	PO Box 10969	Southport	NC	28461	Off-Source
55	209615647719	Amy Templeton & Richard Tilyard 604 N Lord Street Southport, NC 28461	451 N Eugene St, Apt 4P	Greensboro	NC	27401	Off-Source
56	209615647715	Gloria Irene Hankins 602 N Lord Street Southport, NC 28461	409 Clarendon Ave	Southport	NC	28461	Off-Source
57	209615649772	Roxanne J Pianetti 517 N Howe Street Southport, NC 28461	999 Softwind Way	Southport	NC	28461	Off-Source
58	209615649611	Angela Coggins & Alan McDonald 511 N Howe Street Southport, NC 28461	1001 Binkley Chapel Court	Wake Forest	NC	27587	Off-Source
59	209615740520	Scott M,Sr, & Donna M Bennett 507 N Howe Street Southport, NC 28461	507 N Howe Street	Southport	NC	28461	Off-Source
60	209615740481	Jamilas Properties LLC 501-505 N Howe Street Southport, NC 28461	115 Thompson Drive	Southport	NC	28461	Off-Source
61	209615740422	Lizzie Smith c/o Gloria Hankins 108 W St. George Street Unit 1 Southport, NC 28461	409 Clarendon Ave	Southport	NC	28461	Off-Source
62	209615649472	Michael & Constance Scanlon 110 W St. George Street Southport, NC 28461	11280 Woodie Glen Drive	Chardon	OH	44024	Off-Source
63	209615649417	Alexis Hayes 509 N Howe Street Southport, NC 28461	784 Wakendaw Blvd	Mt. Pleasant	SC	29464	Off-Source
64	209615649431	Alberta McLeod 112 W St. George Street Southport, NC 28461	3020 N 23rd Street	Philadelphia	PA	19132	Off-Source
65	209615648482	Alexis Hayes 116 W St. George Street Southport, NC 28461	784 Wakendaw Blvd	Mt. Pleasant	SC	29464	Off-Source
66	209615647645	Joseph Boyette 518 N Lord Street Southport, NC 28461	518 N Lord Street	Southport	NC	28461	Off-Source
67	209615647567	Curtis & Jwantana Frink 516 N Lord Street Southport, NC 28461	516 N Lord Street	Southport	NC	28461	Off-Source
68	209615647572	Patrick & Shannon Ford 512 N Lord Street Southport, NC 28461	4609 Pleasant Grove Church Road	Raleigh	NC	27613	Off-Source

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69	209615647488	Alexis Gore & Ernest Clayton Graves 510 N Lord Street Southport, NC 28461	510 N Lord Street	Southport	NC	28461	Off-Source
70	209615647495	Michael & Patricia McGhee 508 N Lord Street Southport, NC 28461	3001 Rolling Brooks Drive	Wake Forest	NC	27587	Off-Source
71	209615647492	Alanna Charise Davis 506 N Lord Street Southport, NC 28461	506 N Lord Street	Southport	NC	28461	Off-Source
72	209615648317	Pythagoras Lodge No 6 504 N Lord Street Southport, NC 28461	504 N Lord Street	Southport	NC	28461	Off-Source
73	209615741205	Cape Fear Mecantile Owners Association Inc 417 N Howe St - Various Units (see owners below) Southport, NC 28461	417-C North Howe St	Southport	NC	28461	Off-Source
		Arlene Minchew 417 N Howe St Unit A	702 Valley Brook Rd	Wilmington	NC	28412	
		Colbrooke Holdings LLC 417 N Howe St Unit B	417B N Howe St	Southport	NC	28461	
		Regina Johnson Trustee 417 N Howe St Unit C	2604 White Falls Dr	Pearland	TX	77584	
74	209615741220	Jamilas Properties LLC 413 N Howe Street Southport, NC 28461	115 Thompson Drive	Southport	NC	28461	Off-Source
75	209615740189	Jamilas Properties LLC (no property address defined)	115 Thompson Drive	Southport	NC	28461	Off-Source
76	209615741106	Aleyah McKenzie-Muhammad 411 N Howe Street Southport, NC 28461	911 N Caswell Avenue	Southport	NC	28461	Off-Source
77	209615741113	Delores & Nelson Adams 409 N Howe Street Southport, NC 28461	303 W 10th Street	Southport	NC	28461	Off-Source
78	209615741121	Latrishia Dye 407 N Howe Street Southport, NC 28461	526 Helene Street	Gaithersburg	MD	20878	Off-Source
79	209615741047	Heather Prevoe (no property address defined)	403 N Howe Street	Southport	NC	28461	Off-Source
80	209615741063	Heather Prevoe 403 N Howe Street Southport, NC 28461	403 N Howe Street	Southport	NC	28461	Off-Source
81	209615731979	Blaney Williams 102 W Brown St Southport, NC 28461	111 E Bay Street	Southport	NC	28461	Off-Source
82	209615741021	Onwer listed as "unknown" (no property address defined)	N/A	N/A	N/A	N/A	Off-Source
83	209615741000	Hazel Pait 106 W Brown Street Southport, NC 28461	908 Scottish Rite Drive #264	Greensboro	NC	27407	Off-Source
84	209615740245	Carolyn Hankins 105 W St. George Street Southport, NC 28461	PO Box 11403	Southport	NC	28461	Off-Source
85	209615740128	Gloria Irene Hankins (no property address defined)	409 Clarendon Ave	Southport	NC	28461	Off-Source
86	209615649198	Gloria Irene Hankins (no property address defined)	409 Clarendon Ave	Southport	NC	28461	Off-Source
87	209615649157	Norman Wesley Jones 113 W St. George Street Southport, NC 28461	113 W St. George Street	Southport	NC	28461	Off-Source
88	209615648179	Gail Clements 420 N Lord Street Southport, NC 28461	4136 Vanessa Drive Unit 12	Southport	NC	28461	Off-Source
89	209615648181	Stephen & Denise Lemay 412 N Lord Street Southport, NC 28461	18 N Branch Rd	Newtown	CT	6470	Off-Source
90	209615649006	Florence Gordon 410 Lord Street Southport, NC 28461	410 Lord Street	Southport	NC	28461	Off-Source
91	209615638997	David & Robbyn Foster 402 N Lord Street Southport, NC 28461	3000 S Hulen Street	Fort Worth	TX	76109	Off-Source
92	209615639938	David & Robbyn Foster (no property address defined)	3000 S Hulen Street	Fort Worth	TX	76109	Off-Source
93	209615649081	Patrice Frink 114 W Brown Street Southport, NC 28461	114 W Brown Street	Southport	NC	28461	Off-Source
94	209615740032	Elizabeth Brown Heirs (no property address defined)	114 W Brown Street	Southport	NC	28461	Off-Source
95	209615740062	Cameron Smith & Son Properties LLC (no property address defined)	107 Bonnets Creek Lane	Southport	NC	28461	Off-Source
96	209615731894	The Howes Place Inc 319 N Howe Street Southport, NC 28461	319 M Howe Street	Southport	NC	28461	Off-Source

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97	209615732800	Martha Edwards Revocable Trust 315 N Howe Street Southport, NC 28461	PO Box 206	Oak Island	NC	28465	Off-Source
98	209615732734	Stephen Phipps 309 N Howe Street Units 1 & 2 Southport, NC 28461	309 N Howe Street	Southport	NC	28461	Off-Source
99	209615732649	307 North Howe LLC 307 N Howe Street Southport, NC 28461	309 Clarendon Ave	Southport	NC	28461	Off-Source
100	209615732655	Lynn Britt 305 N Howe Street Southport, NC 28461	1292 Spring Lake Drive	Southport	NC	28461	Off-Source
101	209615732651	Skedmonds LLC 303 N Howe Street Southport, NC 28461	7610 Ribier Drive	Kernersville	NC	27284	Off-Source
102	209615732567	Lawrence & Laurie Driver 301 N Howe Street Southport, NC 28461	507 W Oak Island Drive	Oak Island	NC	28465	Off-Source
103	209615731830	Martha Edwards Revocable Trust 107 W Brown Street Southport, NC 28461	PO Box 206	Oak Island	NC	28465	Off-Source
104	209615731666	Kelly Linda Potter 106 W West Street Southport, NC 28461	106 W West Street	Southport	NC	28461	Off-Source
105	209615730766	Bartlett Properties (no property address defined)	3755 Woodleaf Road	Salisbury	NC	28147	Off-Source
106	209615730725	Patricia Carney 320 N Lord Street Southport, NC 28461	111 W West Street	Southport	NC	28461	Off-Source
107	209615639679	John Allan & Marylan Kay Lewis 314 N Lord Street Southport, NC 28461	314 N Lord Street	Southport	NC	28461	Off-Source
108	209615639685	William & Patricia Wehmer 312 N Lord Street Southport, NC 28461	411 Walnut Street #7261	Green Cove Springs	FL	32043	Off-Source
109	209615639597	Brent & Judy Fortuny 120 W West Street Southport, NC 28461	615 Blackshoals Dr	Cary	NC	27511	Off-Source
110	209615730640	Holly Henderson Metzertott 116 W West Street Southport, NC 28461	116 W West Street	Southport	NC	28461	Off-Source
111	209615730599	Robert Charles Bredeck & Katherine Kiernan 114 W West Street Southport, NC 28461	114 W West Street	Southport	NC	28461	Off-Source
112	209615644969	First Baptist Church 619 N Lord Street Southport, NC 28461	PO Box 10447	Southport	NC	28461	Off-Source
113	209615644982	First Baptist Church of Southport 615 N Lord Street Southport, NC 28461	PO Box 10447	Southport	NC	28461	Off-Source
114	209615644898	Juan, Jr, & Robin Garrido 613 N Lord Street Southport, NC 28461	613 N Lord Street	Southport	NC	28461	Off-Source
115	209615644894	Marcus G Mclean 611 N Lord Street Southport, NC 28461	6141 Braxton Road	Hope Mills	NC	28348	Off-Source
116	209615645719	Henry & Mary Long 609 N Lord Street Southport, NC 28461	PO Box 518	Wilson	NC	27894	Off-Source
117	209615645723	William & Cozette Davis 202 W Leonard Street Southport, NC 28461	202 W Leonard Street	Southport	NC	28461	Off-Source
118	209615643934	William Galton 620 N Caswell Ave Southport, NC 28461	2002 Bonner Brussels Dr	Southport	NC	28461	Off-Source
119	209615643859	Roas Lee Mims 616 N Caswell Avenue Southport, NC 28461	2316 S 17th Street	Wilmington	NC	28401	Off-Source
120	209615643864	Maggie McKay (no property address defined)	3051 Ben Bay Drive	Kissimmee	FL	34759	Off-Source
121	209615643871	Southpaw 6 LLC 610 N Caswell Avenue Southport, NC 28461	PO Box 10852	Southport	NC	28461	Off-Source
122	209615643788	Shawline LLC (no property address defined)	9722 Tenencia Ct	Charlotte	NC	28277	Off-Source
123	209615643785	Shawline LLC (no property address defined)	9722 Tenencia Ct	Charlotte	NC	28277	Off-Source
124	209615644700	Harry Parker 602 N Caswell Avenue Southport, NC 28461	511 N Clarendon Ave	Southport	NC	28461	Off-Source
125	209615645597	Thaddeus & Pamela Hill 519 N Lord Street Southport, NC 28461	519 N Lord Street	Southport	NC	28461	Off-Source

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126	209615645498	Ted & Nellie King 511 N Lord Street Southport, NC 28461	511 N Lord Street	Southport	NC	28461	Off-Source
127	209615646345	Mount Carmel AME Church 507 N Lord Street Southport, NC 28461	PO Box 10702	Southport	NC	28461	Off-Source
128	209615645545	Ron C Winborne, Sr 203 W Leonard Street Southport, NC 28461	203 W Leonard Street	Southport	NC	28461	Off-Source
129	209615645500	Thomas & Francine Lightsey 205 W Leonard Street Southport, NC 28461	21 Tappan Avenue	Babylon	NY	11702	Off-Source
130	209615644514	Willie Wenberg Parker 520 N Caswell Ave Southport, NC 28461	418 Clarendon Avenue	Southport	NC	28461	Off-Source
131	2096156444429	Jennifer & Eric Mikkelson 516 N Caswell Ave Southport, NC 28461	308 Herring Drive	Southport	NC	28461	Off-Source
132	209615644435	Laura Smith 514 N Caswell Ave Southport, NC 28461	3634 French Woods Road	Charlotte	NC	28269	Off-Source
133	209615644442	Christopher & Pamela Hughes 512 N Caswell Ave Southport, NC 28461	119 Dublin Road	Raleigh	NC	27609	Off-Source
134	209615644352	Mary & Jack Goehring Trustees (no property address defined)	1005 Spring Hill Road	McLean	VA	22102	Off-Source
135	209615645303	Mattie Williams (no property address defined)	Unit W	Southport	NC	28461	Off-Source
136	209615645321	Mattie Williams (no property address defined)	Unit W	Southport	NC	28461	Off-Source
137	209615645344	Mattie Williams 210 W St. George Street Southport, NC 28461	Unit W	Southport	NC	28461	Off-Source
138	209615645385	Elephant Properties Inc. 206 W St. George Street Southport, NC 28461	1119 Forest Ln	Thomasville	NC	27360	Off-Source
139	209615646195	Dorothy Hewett 419 N Lord Street Southport, NC 28461	245 Dogwood Trail SW	Supply	NC	28462	Off-Source
140	209615647007	Alice Gore 411 N Lord Street Southport, NC 28461	411 N Lord Street	Southport	NC	28461	Off-Source
141	209615647031	Ernestine Slade & Julia Swain 409 N Lord Street Southport, NC 28461	PO Box 10024	Southport	NC	28461	Off-Source
142	209615637953	Rosemary Rouen (no property address defined)	9010 St. Stephens Place	Wilmington	NC	28412	Off-Source
143	209615646029	Francis & Jeanne Visk Living Trust 205 W St. George Street Southport, NC 28461	205 W St. George Street	Southport	NC	28461	Off-Source
144	209615645098	William H Brown Hrs 207 W St. George Street Southport, NC 28461	202 W Leonard Street	Southport	NC	28461	Off-Source
145	209615645068	Wanda Johnson 209 W St. George Street Southport, NC 28461	120 Moss Hill Drive	Goldsboro	NC	27530	Off-Source
146	209615645016	Olivia Gore 211 W St. George Street Southport, NC 28461	103 Red Pine Avenue	O Fallon	IL	62269	Off-Source
147	209615635941	Judy Gordon & Sharona McClain 400 N Caswell Avenue Southport, NC 28461	400 N Caswell Avenue	Southport	NC	28461	Off-Source
148	209615636913	Clifford & Karen Foell 208 W Brown Street Southport, NC 28461	208 W Brown Street	Southport	NC	28461	Off-Source
149	209615636974	Donald & Eva Patterson 206 W Brown Street Southport, NC 28461	11104 Brookline Drive	Fairfax	VA	22030	Off-Source
150	209615637922	Abrunderlon Slade Beary (no property address defined)	3284 Andrew Jackson Rd SW	Chadbourn	NC	28431	Off-Source
151	209615641912	Melissa Pfitzer 619 N Caswell Ave Southport, NC 28461	108 W Dolphin Drive	Oak Island	NC	28465	Off-Source
152	209615641819	Christian Conrad (no property address defined)	414 W St. George St	Southport	NC	28461	Off-Source
153	209615641826	Christian Conrad (no property address defined)	414 W St. George St	Southport	NC	28461	Off-Source
154	209615641833	Colon & Ellen Eagles 613 N Caswell Avenue Southport, NC 28461	823 Caswell Avenue	Southport	NC	28461	Off-Source
155	209615641739	Rebecca Paige Bridgers (no property address defined)	1800 Eastwood Road #214	Wilmington	NC	28403	Off-Source
156	209615641746	Kenneth Heywood Evans (no property address defined)	4121 Lassiter Mill Road	Raleigh	NC	27609	Off-Source

**Table 1: Summary of Impacted Properties****DSCA ID No. DC100001**

Ref. No./ Map No.	Property PIN Number	Property Owner Name and Physical Address of Property	Mailing Address	City	State	Zip Code	Property Location (source or off- source)
157	209615641753	Rebecca Paige Bridgers 609 N Caswell Avenue Southport, NC 28461	1800 Eastwood Road #214	Wilmington	NC	28403	Off-Source
158	209615641760	William & Nancy Bream 607 N Caswell Avenue Southport, NC 28461	607 N Caswell Avenue	Southport	NC	28461	Off-Source
159	209615641675	Nancy & William Bream (no property address defined)	607 N Caswell Avenue	Southport	NC	28461	Off-Source
160	209615549887	Friendship Baptist Church 620 Clarendon Avenue Southport, NC 28461	620 Clarendon Avenue	Southport	NC	28461	Off-Source
161	209615549893	Brandon Ray Chuman 616 Clarendon Avenue Southport, NC 28461	616 Clarendon Avenue	Southport	NC	28461	Off-Source
162	209615640709	Ashley Lemoine 614 Clarendon Avenue Southport, NC 28461	614 Clarendon Avenue	Southport	NC	28461	Off-Source
163	209615640716	Laura Fletcher Lindsay & Ashley Lemoine (no property address defined)	5874 Chandler Drive	Baton Rouge	LA	70808	Off-Source
164	209615640721	Southpaw 2 LLC 610 Clarendon Avenue Southport, NC 28461	PO Box 10852	Southport	NC	28461	Off-Source
165	209615640637	Craig Alan Evans (no property address defined)	501 Mount Vernon Avenue	Alexandria	VA	22301	Off-Source
166	209615640642	Edward Clemmons (no property address defined)	238 Windchime	Wilmington	NC	28412	Off-Source
167	209615642500	Kelen LLC 519 N Caswell Ave Southport, NC 28461	5907 Colchester Place	Charlotte	NC	28210	Off-Source
168	209615642417	Robert & Madelaine Fitch 517 N Caswell Ave Southport, NC 28461	PO Box 10003	Southport	NC	28461	Off-Source
169	209615642414	Cynthia & Luther Dishman 515 N Caswell Ave Southport, NC 28461	38 Forest Oaks Drive	Southport	NC	28461	Off-Source
170	209615642421	Cynthia & Luther Dishman (no property address defined)	38 Forest Oaks Drive	Southport	NC	28461	Off-Source
171	209615642337	Jackie & Judy Fowler 511 N Caswell Ave Southport, NC 28461	PO Box 10519	Southport	NC	28461	Off-Source
172	209615642334	County of Brunswick (no property address defined)	PO Box 249	Bolivia	NC	28422	Off-Source
173	209615642341	Daryle L Parker Trustee 507 N Caswell Ave Southport, NC 28461	407 Caswell Ave	Southport	NC	28461	Off-Source
174	209615642258	Willie Gore 505 N Caswell Ave Southport, NC 28461	3146 Wild Azala Way SE	Southport	NC	28461	Off-Source
175	209615643204	Llyod & Michelle Rogers 302 W St. George Street Southport, NC 28461	908 W Oak Island Drive	Oak Island	NC	28465	Off-Source
176	209615642242	Edward Clemmons (no property address defined)	238 Windchime	Wilmington	NC	28465	Off-Source
177	209615640477	Frederick & Margaret Fox 520 Clarendon Ave Southport, NC 28461	520 Clarendon Avenue	Southport	NC	28461	Off-Source
178	209615640484	Dan Dotson & Tom Brennan (no property address defined)	509 Blackhorn Court	Bolivia	NC	28422	Off-Source
179	209615640491	Mary Evans Swan (no property address defined)	13235 Ashford Park Drive	Raleigh	NC	27613	Off-Source
180	209615641307	Lynn Clark Sanders 514 Clarendon Ave Southport, NC 28461	905 Baker Drive	Norristown	PA	19403	Off-Source
181	209615641312	Teresa Nannette Parker 510 Clarendon Ave Southport, NC 28461	510 Clarendon Avenue	Southport	NC	28461	Off-Source
182	209615641228	Marshall Clinton Evans Jr. 506 Clarendon Ave Southport, NC 28461	2540 Midway Road SE	Bolivia	NC	28422	Off-Source
183	209615641272	Linda Murakata 312 W St. George Street Southport, NC 28461	23 Elm Place	Eatontown	NJ	07724	Off-Source
184	209615641201	Hunt Family Trust 316 W St. George Street Southport, NC 28461	314 West ST. George Street	Southport	NC	28461	Off-Source
185	209615643045	Timothy & Dorothy Davis 415 N Caswell Ave Southport, NC 28461	451 N. Caswell Ave	Southport	NC	28461	Off-Source
186	209615642095	Ann Arroyas 303 & 305 W St. George Street Southport, NC 28461	24 Seagrave Street #1	Uxbridge	MA	01569	Off-Source
187	209615642064	Steven & Rebecca Bowles 307 W St. George Street Southport, NC 28461	307 W ST. George Street	Southport	NC	28461	Off-Source

**Table 1: Summary of Impacted Properties****DSCA ID No. DC100001**

Ref. No./ Map No.	Property PIN Number	Property Owner Name and Physical Address of Property	Mailing Address	City	State	Zip Code	Property Location (source or off-source)
188	209615642013	Southport Shalom LLC 309 W St. George Street Southport, NC 28461	309 W St. George Street	Southport	NC	28461	Off-Source
189	209615641051	Willie Wenberg Parker (no property address defined)	418 Clarendon Ave	Southport	NC	28461	Off-Source
190	209615632904	Willie Wenberg Parker 418 Clarendon Ave Southport, NC 28461	418 Clarendon Ave	Southport	NC	28461	Off-Source
191	209615632910	Steve & Julia Allred (no property address defined)	408 Clarendon Ave	Southport	NC	28461	Off-Source
192	209615632816	Steve & Julia Allred 408 Clarendon Ave Southport, NC 28461	5032 Groometown Road	Greensboro	NC	27407	Off-Source
193	209615632823	Robert & Lynn Menches 406 Clarendon Ave Southport, NC 28461	406 Clarendon Ave	Southport	NC	28461	Off-Source
194	209615632830	Robert & Lynn Menches (no property address defined)	406 Clarendon Ave	Southport	NC	28461	Off-Source
195	209615632747	David & Sherry Brock 404 Clarendon Ave Southport, NC 28461	404 Clarendon Ave	Southport	NC	28461	Off-Source
196	209615633936	Melanie Sulik 413 N Caswell Ave Southport, NC 28461	709 Walker Avenue	Greensboro	NC	27403	Off-Source
197	209615633933	Marjorie Jackson 411 N Caswell Ave Southport, NC 28461	PO Box 11051	Southport	NC	28461	Off-Source
198	209615633848	Daryle & Donna Parker 407 N Caswell Ave Southport, NC 28461	5305 Arrow Court	Wilmington	NC	28412	Off-Source
199	209615633862	Sheila & William Roberts 403 N Caswell Ave Southport, NC 28461	641 Barber Road	Southport	NC	28461	Off-Source
200	209615548472	Gregory Green 519 Clarendon Ave Southport, NC 28461	4307 Oneal Place	Wilmington	NC	28405	Off-Source
201	209615548389	Willie L Sadie Evans 517 Clarendon Ave Southport, NC 28461	517 Clarendon Ave	Southport	NC	28461	Off-Source
202	209615548386	Charles & James Harper (no property address defined)	105 E Bay Street	Southport	NC	28461	Off-Source
203	209615548390	Ralph Parker 511 Clarendon Ave Southport, NC 28461	2721 Water Lane	Nolensville	TN	37135	Off-Source
204	209615549222	William & Kimberly Happer 507 Clarendon Avenue Southport, NC 28461	507 Clarendon Avenue	Southport	NC	28461	Off-Source
205	209615549137	Nelson Adams 503 Clarendon Ave Southport, NC 28461	303 W 10th Street	Southport	NC	28461	Off-Source
206	209615549134	Nelson & Yvonne Adams (no property address defined)	303 W 10th Street	Southport	NC	28461	Off-Source
207	209615547440	Candace Cundiff (no property address defined)	516 N Burrington Avenue	Southport	NC	28461	Off-Source
208	209615547356	Candace Cundiff 520 N Burrington Avenue Southport, NC 28461	516 N Burrington Avenue	Southport	NC	28461	Off-Source
209	209615547363	Candace Cundiff 516 N Burrington Avenue Southport, NC 28461	516 N Burrington Avenue	Southport	NC	28461	Off-Source
210	209615547360	Karen Pigg 512 N Burrington Ave Southport, NC 28461	512 N Burrington Avenue	Southport	NC	28461	Off-Source
211	209615547277	Wade & Margaret Richardson (no property address defined)	4443 Willow Moss Way	Southport	NC	28461	Off-Source
212	209615547282	Christopher & Shenna Poe 504 N. Burrington Ave Southport, NC 28461	504 Burrington Avenue	Southport	NC	28461	Off-Source
213	2096155447197	Christian Conrad (no property address defined)	414 W St. George St	Southport	NC	28461	Off-Source
214	209615548102	Christian Conrad 414 W St. George Street Southport, NC 28461	414 W St. George St	Southport	NC	28461	Off-Source
215	209615546101	Santford & Karen Johnston 500 W St. George Street Southport, NC 28461	500 W St. George Street	Southport	NC	28461	Off-Source
216	209615545284	Jon Anthony Maroto 507 Burrington Ave Southport, NC 28461	31 E 12th Street Apt. 10A	New York	NY	10003	Off-Source
217	209615544285	Richard & Paula Belch 605 Port Haven Way Southport, NC 28461	605 Port Haven Way	Southport	NC	28461	Off-Source
218	209615544205	Premier Homes LLC 609 Port Haven Way Southport, NC 28461	PO Box 16089	Wilmington	NC	28408	Off-Source

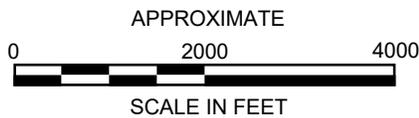
**Table 1: Summary of Impacted Properties****DSCA ID No. DC100001**

Ref. No./ Map No.	Property PIN Number	Property Owner Name and Physical Address of Property	Mailing Address	City	State	Zip Code	Property Location (source or off-source)
219	209615543225	Bright Davis Benton Jr & Lori Rose Benton 613 Port Haven Way Southport, NC 28461	8339 Reidmont Dr SE	Southport	NC	28461	Off-Source
220	209615542244	Lawrence Paul & Kathy Jane Ditton 617 Port Haven Way Southport, NC 28461	1708 Merriweather Ln SE	Bolivia	NC	28422	Off-Source
221	209615544473	Katherine A. Marotti 606 Port Haven Way Southport, NC 28461	10 Old County Rd	Chester	CT	06412	Off-Source
222	209615543495	Michael W & Jillian A Wanik 610 Port Haven Way Southport, NC 28461	610 Port Haven Way	Southport	NC	28461	Off-Source
223	209615543426	Norman Eric Hoffmahn & Amy Curtis Stafford 614 Port Haven Way Southport, NC 28461	614 Port Haven Way	Southport	NC	28461	Off-Source
224	209615542456	Susan R Kincaid 618 Port Haven Way Southport, NC 28461	618 Port Haven Way	Southport	NC	28461	Off-Source
225	209615544099	William & Debra Vann 506 W St. George Street Southport, NC 28461	506 W St. George Street	Southport	NC	28461	Off-Source
226	209615544048	Bertha Garris & Phillip Matthews 508 W St. George Street Southport, NC 28461	PO Box 763	Asheboro	NC	27204	Off-Source
227	209615543089	KSK Associates LLC 510 W St. George Street Southport, NC 28461	207 Clarendon Avenue	Southport	NC	28461	Off-Source
228	209615543038	IBIS Landing Group LLC 512 W St. George Street Units A & B St. George Street Units A & B Southport, NC 28461	207 Clarendon Avenue	Southport	NC	28461	Off-Source
229	209615541025	Village of Southport HOA INC % Lawrence Real Estate (no property address defined)	1226 N Howe Street	Southport	NC	28461	Off-Source
230	209614439922	William & Regina Craft 604 Mackenzie Circle Southport, NC 28461	4810 Topping Hill Drive	Roanoke	VA	24018	Off-Source
231	209614448090	Jeffrey & Kimberly Aycock 600 Mackenzie Circle Southport, NC 28461	600 Mackenzie Circle	Southport	NC	28461	Off-Source
232	209614448075	Donald Jones & Freda Pritchard 510 Quarter Master Drive Southport, NC 28461	510 Quarter Master Drive	Southport	NC	28461	Off-Source
233	209614448160	Amy Russo & Thomas Nourse 506 Quarter Master Drive Southport, NC 28461	506 Quarter Master Drive	Southport	NC	28461	Off-Source
234	209614448175	John & Corinne Magensky 502 Quarter Master Drive Southport, NC 28461	3099 Fern Way Court	Uniontown	OH	44685	Off-Source
235	209614448244	Susan E Meier 608 Arabella Lane Southport, NC 28461	608 Arabella Lane	Southport	NC	28461	Off-Source
236	209614449203	Patrick & Karen Kiernan 625 Wild Rose Way Southport, NC 28461	614 W Brown Street, Unit G	Southport	NC	28461	Off-Source
237	209614449273	Donna Davis and Lee R Bost, III 629 Wild Rose Way Southport, NC 28461	629 Wild Rose Way	Southport	NC	28461	Off-Source
238	209615540254	Michael A and Joy K Demeglio 633 Wild Rose Way Southport, NC 28461	1853 Old College Cir	Wake Forest	NC	27587	Off-Source
239	209615541226	Lawrence & Abigail Ashley 637 Wild Rose Way Southport, NC 28461	637 Wild Rose Way	Southport	NC	28461	Off-Source
240	209615541362	Martin S & Dianne M Vaughan Rev Tr 641 Wild Rose Way Southport, NC 28461	641 Wild Rose Way	Southport	NC	28461	Off-Source
241	209615541481	Ted & Charlea Yarbrough 645 Wild Rose Way Southport, NC 28461	3100 Marsh Grove Lane, Unit 3302	Southport	NC	28461	Off-Source
242	209614449319	Mark & Kim Scagnelli 624 Wild Rose Way Southport NC 28461	2633 Shire Ln	Rocky Mount	NC	27804	Off-Source
243	209615540402	Donald G & Judith A Luff 638 Wild Rose Way Southport, NC 28461	638 Wild Rose Way	Southport	NC	28461	Off-Source
244	209615540448	James Joseph & Petra Luise Reigle 646 Wild Rose Way Southport, NC 28461	2209 Lincolnshire Lane	Waxhaw	NC	28173	Off-Source
245	209616842631	Olde Southport Homeowners Association 331 E. Brown Street Southport, NC 28461	331 E. Brown Street	Southport	NC	28461	Off-Source

Notes:

1. Properties where more than one owner is listed indicate condominium units with multiple owners.

## Figures

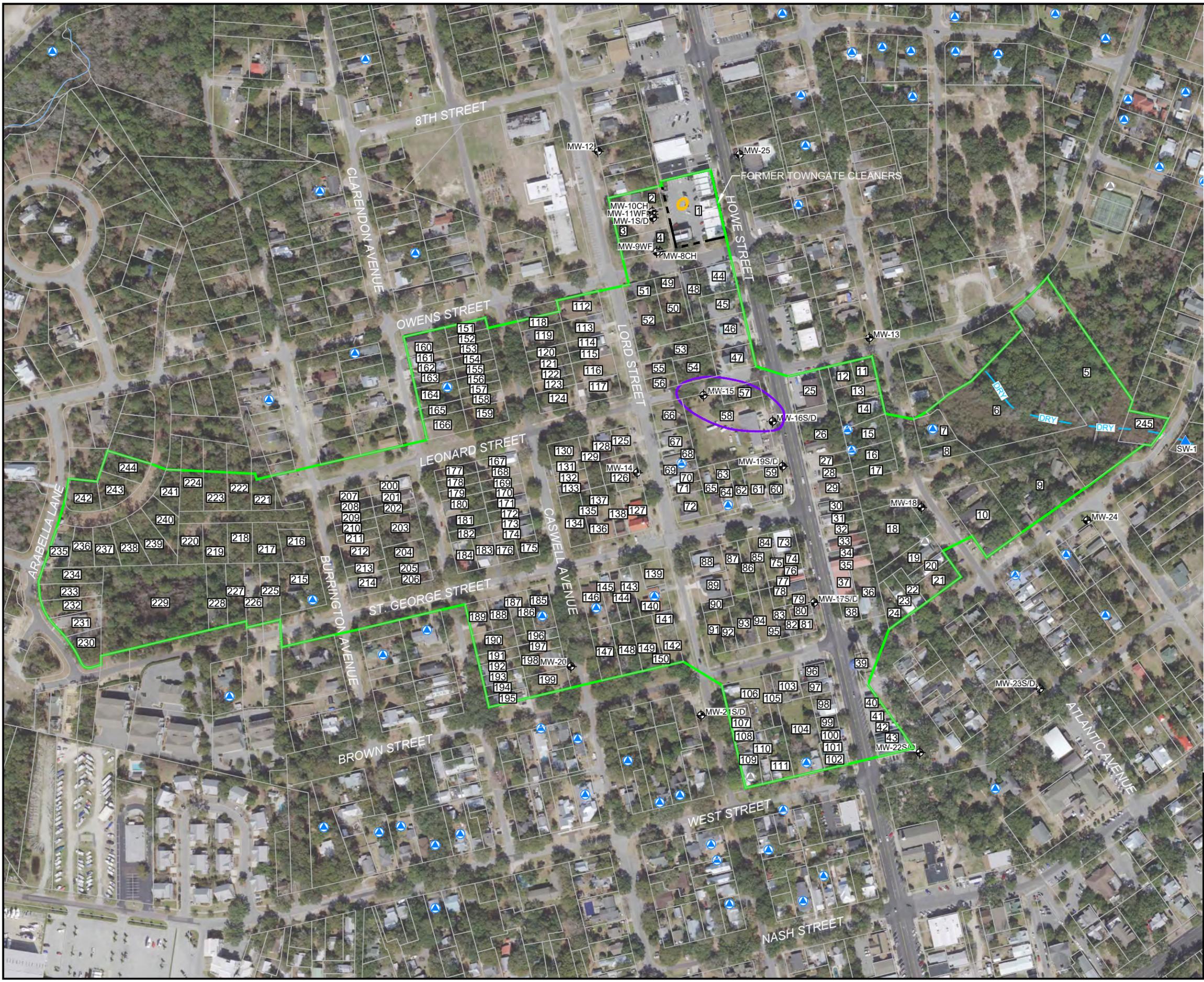


U.S.G.S. QUADRANGLE MAP  
**SOUTHPORT, NORTH CAROLINA, 1995**

QUADRANGLE  
 7.5 MINUTE SERIES (TOPOGRAPHIC)

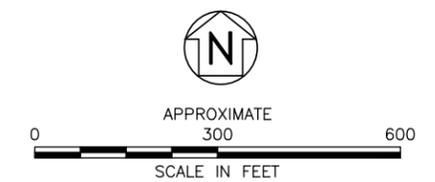
TITLE	<b>SITE LOCATION MAP</b>	
PROJECT	<b>FORMER TOWNGATE CLEANERS</b> <b>DSCA SITE ID: DC100001</b> 715 NORTH HOWE STREET SOUTHPORT, BRUNSWICK COUNTY	
	 <b>SMARTER ENVIRONMENTAL SOLUTIONS</b>	3921 Sunset Ridge Rd, Suite 301 Raleigh, North Carolina 27607 919.847.4241 (p) 919.847.4261 (f) License # C-1269 / #C-245 Geology
DATE: 6-25-20	REVISION NO. 0	
JOB NO. DS0-138	FIGURE NO. 1	

S:\AA-Master Projects\DSCA - DS0\DS0-138 Towngate Cleaners\Reports\2019-06 RMP\Figures\DC100001\_20220322.dwg, FIG 2, 3/22/2022 2:25:41 PM, shaynes



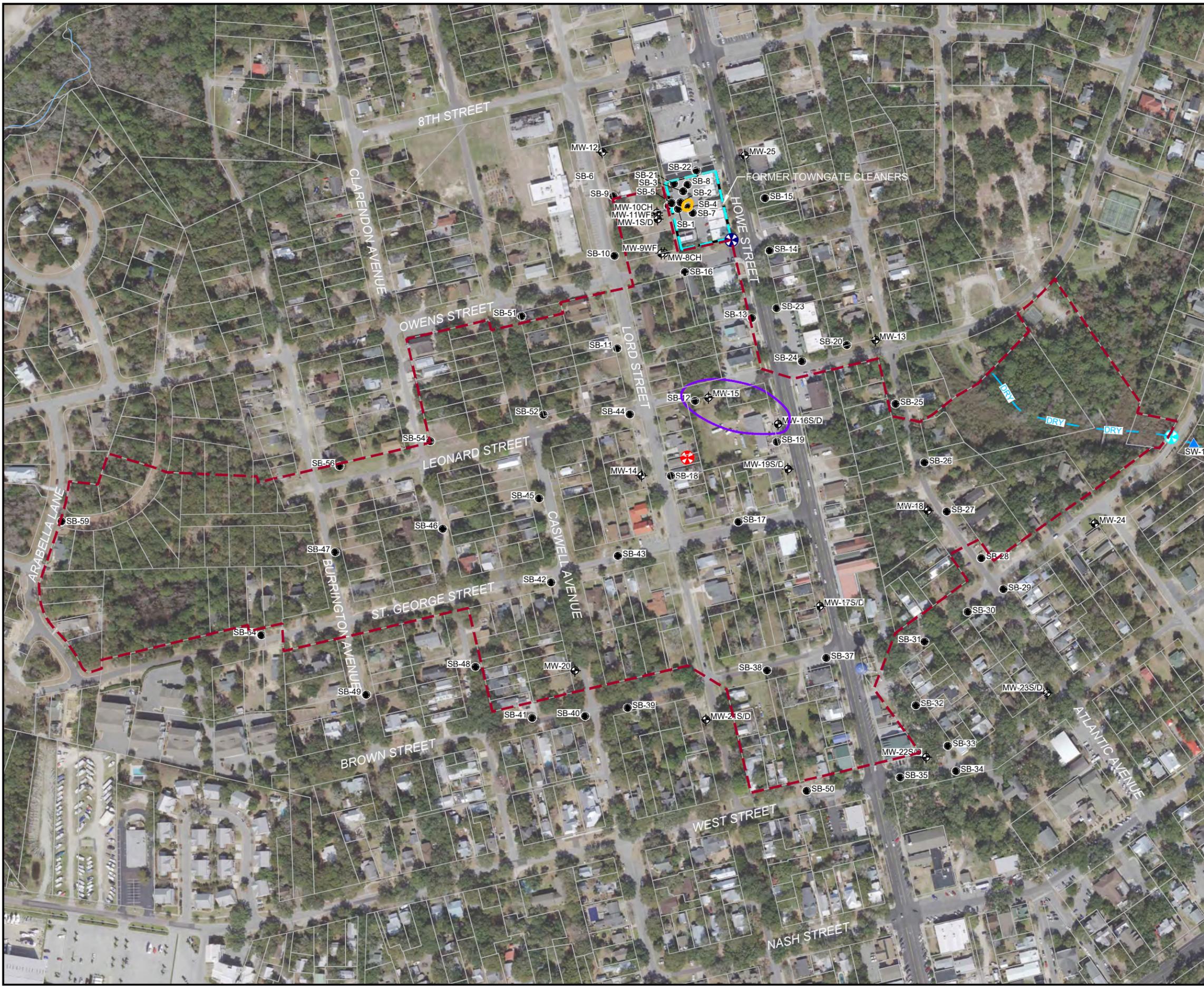
- LEGEND**
- SOURCE BOUNDARY
  - PROPERTY BOUNDARY
  - SURFACE WATER FEATURE
  - ⊕ MONITORING WELL
  - ▲ SURFACE WATER SAMPLE LOCATION
  - SOIL SOURCE AREA
  - GROUNDWATER SOURCE AREA
  - ⊕ WATER SUPPLY WELL LOCATION
  - ⊕ ABANDONED WATER SUPPLY WELL
  - BOUNDARY OF IMPACTED PROPERTIES
  - 17 PROPERTY NUMBER

**NOTES:**  
 1. SEE TABLE 1 FOR PROPERTY OWNER INFORMATION.



<b>TITLE</b>	<b>IMPACTED PROPERTIES MAP</b>	
<b>PROJECT</b>	<b>FORMER TOWNGATE CLEANERS</b> <b>DSCA SITE ID: DC100001</b> 715 NORTH HOWE STREET SOUTHPORT, NORTH CAROLINA	
	 SMARTER ENVIRONMENTAL SOLUTIONS	3921 Sunset Ridge Road, Suite 301 Raleigh, North Carolina 27607 919-847-4241 (p) 919-847-4261 (f) License # C-1269 / #C-245 Geology
DATE: 3-10-22	REVISION NO. 0	
JOB NO. DS0-138	FIGURE NO. 2	

S:\AA-Master Projects\DSCA - DS0\DS0-138 Towngate Cleaners\Reports\2019-06 RMP\Figures\DC100001\_20220322.dwg, FIG 3, 3/23/2022 11:12:41 AM, shaynes



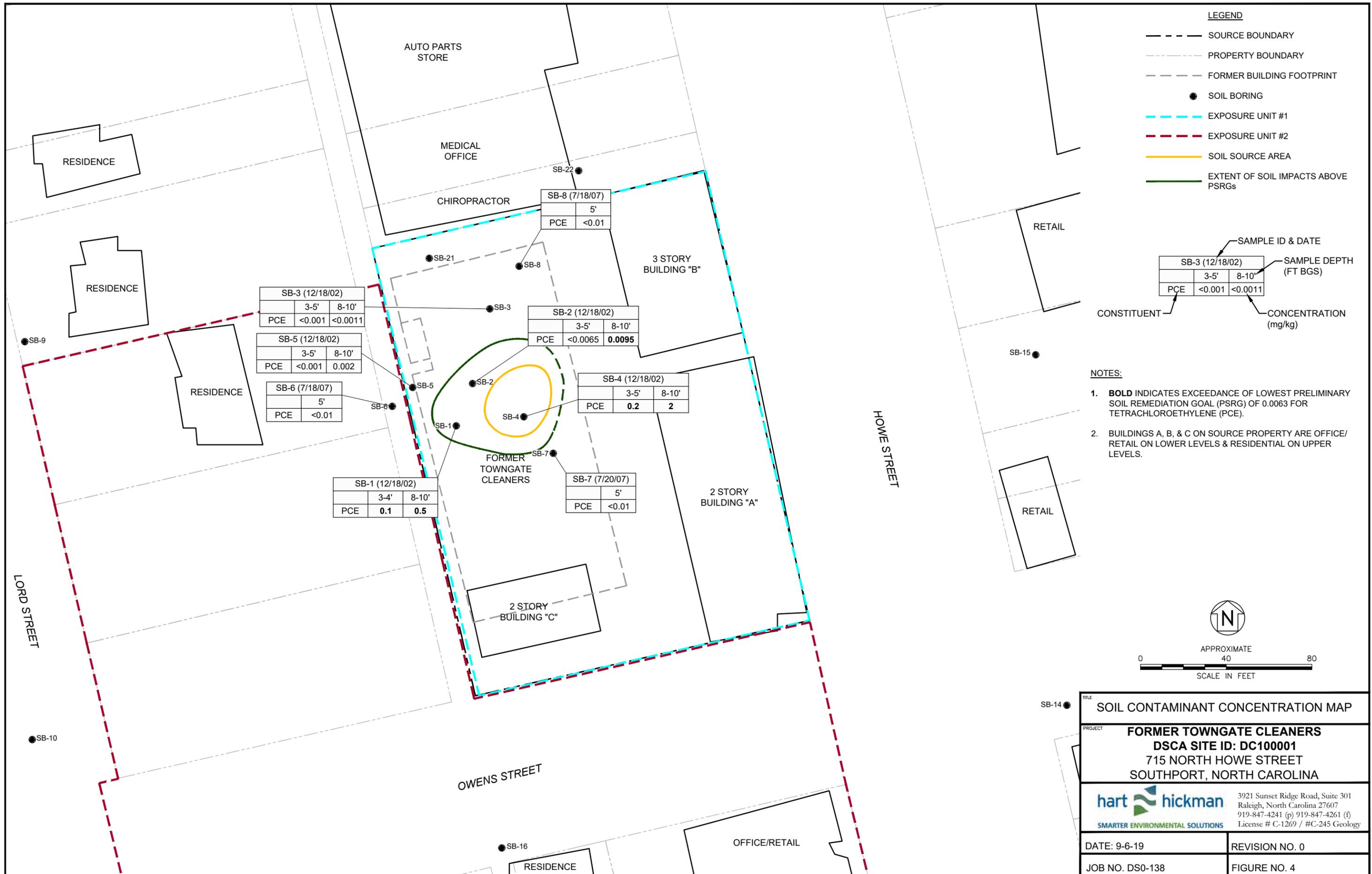
**LEGEND**

- SOURCE BOUNDARY
- PROPERTY BOUNDARY
- SURFACE WATER FEATURE
- ⊕ MONITORING WELL
- SOIL BORING
- ▲ SURFACE WATER SAMPLE LOCATION
- SOIL SOURCE AREA
- GROUNDWATER SOURCE AREA
- EXPOSURE UNIT #1
- EXPOSURE UNIT #2
- ⊕ PROTECTION OF SURFACE WATER POE FOR SOURCE SOIL AND GROUNDWATER
- ⊕ PROTECTION OF GROUNDWATER POE FOR SOURCE SOIL
- ⊕ PROTECTION OF GROUNDWATER POE FOR SOURCE GROUNDWATER

  
 APPROXIMATE  
 0 300 600  
 SCALE IN FEET

<b>TITLE</b>	<b>RISK ASSESSMENT EXPOSURE UNITS</b>	
<b>PROJECT</b>	<b>FORMER TOWNGATE CLEANERS</b> <b>DSCA SITE ID: DC100001</b> 715 NORTH HOWE STREET SOUTHPORT, NORTH CAROLINA	
	 SMARTER ENVIRONMENTAL SOLUTIONS	3921 Sunset Ridge Road, Suite 301 Raleigh, North Carolina 27607 919-847-4241 (p) 919-847-4261 (f) License # C-1269 / #C-245 Geology
DATE: 3-10-22	REVISION NO. 0	
JOB NO. DS0-138	FIGURE NO. 3	

\\HHF501\MasterFiles\AAA-Master Projects\Projects\DSCA - DS0\DS0-138 Towngate Cleaners\Reports\2019-06 RMP\Figures\DC100001\_20190906\_Soil.dwg, FIG 4, 9/6/2019 1:54:00 PM, DWG To PDF.pc3



**TITLE** SOIL CONTAMINANT CONCENTRATION MAP

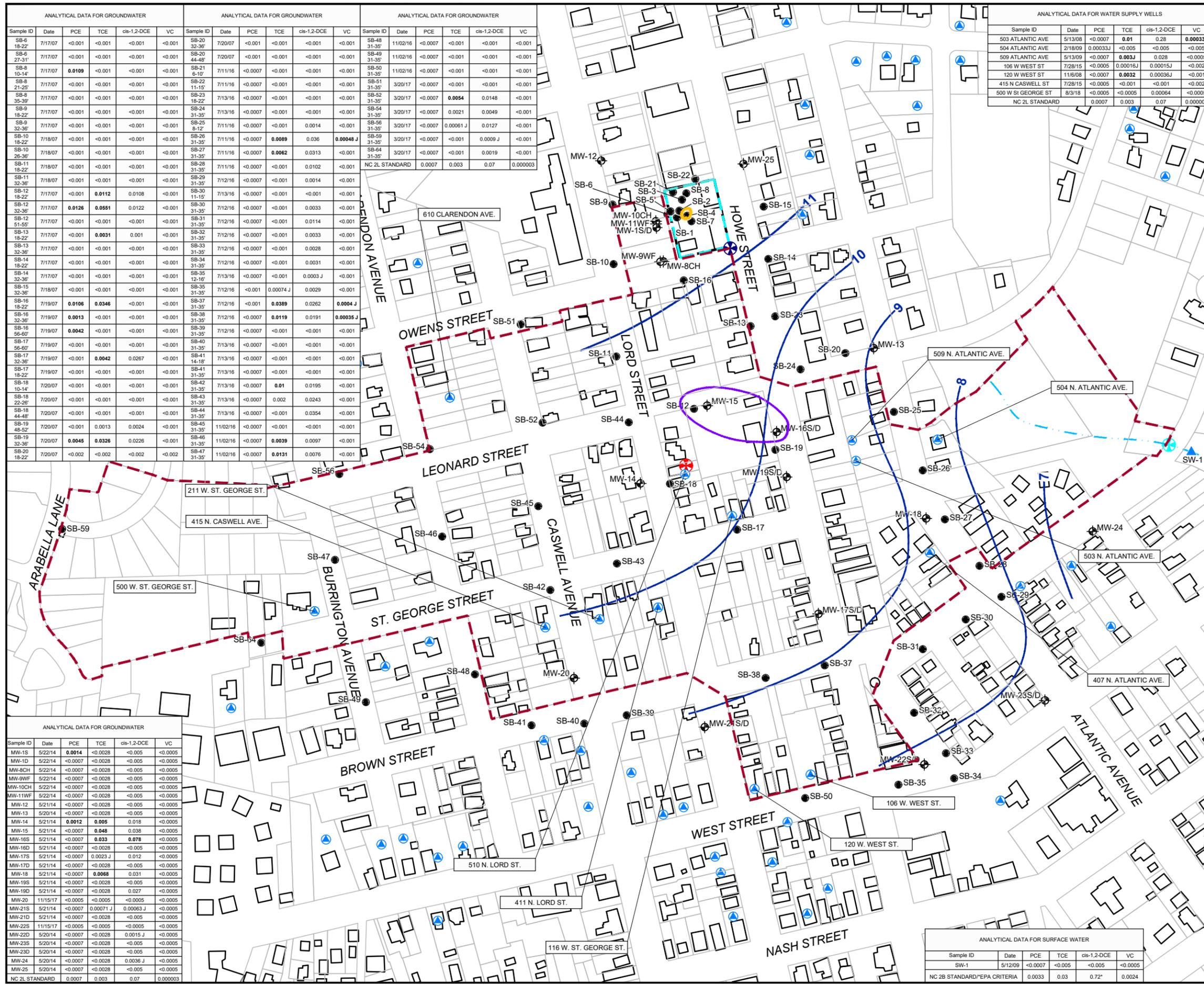
**PROJECT** FORMER TOWNGATE CLEANERS  
DSCA SITE ID: DC100001  
715 NORTH HOWE STREET  
SOUTHPORT, NORTH CAROLINA

**hart hickman** 3921 Sunset Ridge Road, Suite 301  
Raleigh, North Carolina 27607  
919-847-4241 (p) 919-847-4261 (f)  
License # C-1269 / #C-245 Geology

**SMARTER ENVIRONMENTAL SOLUTIONS**

DATE: 9-6-19	REVISION NO. 0
JOB NO. DS0-138	FIGURE NO. 4

S:\AA-Master Projects\DCSA - DS0\DS0-138 Towngate Cleaners\Reports\2019\06 RMP\Figures\DC10001\_20220322.dwg, FIG 5, 3/23/2022 11:13:14 AM, shaynes



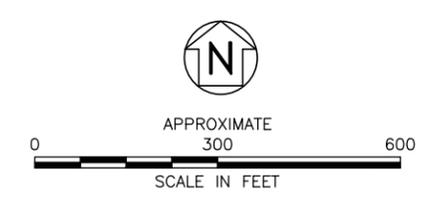
Sample ID	Date	PCE	TCE	cis-1,2-DCE	VC
503 ATLANTIC AVE	5/13/08	<0.007	<b>0.01</b>	0.28	<b>0.00033J</b>
504 ATLANTIC AVE	2/18/09	0.00033J	<0.005	<0.005	<0.005
509 ATLANTIC AVE	5/13/09	<0.007	<b>0.003J</b>	0.028	<0.005
106 W WEST ST	7/28/15	<0.005	0.00016J	0.00015J	<0.002
120 W WEST ST	11/6/08	<0.007	<b>0.0032</b>	0.00036J	<0.001
415 N CASWELL ST	7/28/15	<0.005	<0.001	<0.001	<0.002
500 W ST GEORGE ST	8/3/18	<0.005	<0.005	0.00064	<0.005
NC 2L STANDARD		0.0007	0.003	0.07	0.000003

**LEGEND**

- SOURCE BOUNDARY
- PROPERTY BOUNDARY
- SURFACE WATER FEATURE
- ⊕ MONITORING WELL
- SOIL BORING
- ▲ WATER SUPPLY WELL
- SOIL SOURCE AREA
- GROUNDWATER SOURCE AREA
- EXPOSURE UNIT #1
- EXPOSURE UNIT #2
- ⊕ PROTECTION OF SURFACE WATER POE FOR SOURCE SOIL AND GROUNDWATER
- ⊕ PROTECTION OF GROUNDWATER POE FOR SOURCE SOIL
- ⊕ PROTECTION OF GROUNDWATER POE FOR SOURCE GROUNDWATER
- 7 GROUNDWATER ELEVATION CONTOUR (FT MSL)

**NOTES**

- ONLY DRY-CLEANING RELATED CONSTITUENTS ARE SHOWN.
- BOLD** INDICATES EXCEEDANCE OF APPLICABLE REGULATORY STANDARDS.
- J FLAG INDICATES ESTIMATED CONCENTRATION BETWEEN METHOD DETECTION LIMIT AND LABORATORY REPORTING LIMIT.
- ACCESS TO SAMPLE WATER SUPPLY WELLS AT 116 AND 211 W ST GEORGE ST, 411 AND 510 N LORD ST, AND 610 CLARENDON AVE WAS NOT GRANTED.
- PCE = TETRACHLOROETHYLENE  
TCE = TRICHLOROETHYLENE  
DCE = DICHLOROETHYLENE  
VC = VINYL CHLORIDE
- LATEST SAMPLING DATA AT EACH LOCATION SHOWN WITH THE EXCEPTION OF WATER SUPPLY WELLS. MAXIMUM HISTORICAL CONCENTRATION DATA SHOWN FOR THE WATER SUPPLY WELLS.



Sample ID	Date	PCE	TCE	cis-1,2-DCE	VC
MW-1S	5/22/14	<b>0.0014</b>	<0.0028	<0.005	<0.0005
MW-1D	5/22/14	<0.0007	<0.0028	<0.005	<0.0005
MW-8CH	5/22/14	<0.0007	<0.0028	<0.005	<0.0005
MW-9WF	5/22/14	<0.0007	<0.0028	<0.005	<0.0005
MW-10CH	5/22/14	<0.0007	<0.0028	<0.005	<0.0005
MW-11WF	5/22/14	<0.0007	<0.0028	<0.005	<0.0005
MW-12	5/21/14	<0.0007	<0.0028	<0.005	<0.0005
MW-13	5/20/14	<0.0007	<0.0028	<0.005	<0.0005
MW-14	5/21/14	<b>0.0012</b>	<b>0.005</b>	0.018	<0.0005
MW-15	5/21/14	<0.0007	<b>0.048</b>	0.038	<0.0005
MW-16S	5/21/14	<0.0007	<b>0.033</b>	<b>0.078</b>	<0.0005
MW-18D	5/21/14	<0.0007	<0.0028	<0.005	<0.0005
MW-17S	5/21/14	<0.0007	0.0023 J	0.012	<0.0005
MW-17D	5/21/14	<0.0007	<0.0028	<0.005	<0.0005
MW-18	5/21/14	<0.0007	<b>0.0068</b>	0.031	<0.0005
MW-19S	5/21/14	<0.0007	<0.0028	<0.005	<0.0005
MW-19D	5/21/14	<0.0007	<0.0028	0.027	<0.0005
MW-20	11/15/17	<0.0005	<0.0005	<0.0005	<0.0005
MW-21S	5/21/14	<0.0007	0.00071 J	0.00063 J	<0.0005
MW-21D	5/21/14	<0.0007	<0.0028	<0.005	<0.0005
MW-22S	11/15/17	<0.0005	<0.0005	<0.0005	<0.0005
MW-22D	5/20/14	<0.0007	<0.0028	0.0015 J	<0.0005
MW-23S	5/20/14	<0.0007	<0.0028	<0.005	<0.0005
MW-23D	5/20/14	<0.0007	<0.0028	<0.005	<0.0005
MW-24	5/20/14	<0.0007	<0.0028	0.0036 J	<0.0005
MW-25	5/20/14	<0.0007	<0.0028	<0.005	<0.0005
NC 2L STANDARD		0.0007	0.003	0.07	0.000003

Sample ID	Date	PCE	TCE	cis-1,2-DCE	VC
SW-1	5/12/09	<0.0007	<0.005	<0.005	<0.0005
NC 2B STANDARD/PEPA CRITERIA		0.0033	0.03	0.72*	0.0024

**GROUNDWATER CONTAMINANT CONCENTRATION MAP**

**FORMER TOWNGATE CLEANERS**  
DSCA SITE ID: DC10001  
715 NORTH HOWE STREET  
SOUTHPORT, NORTH CAROLINA

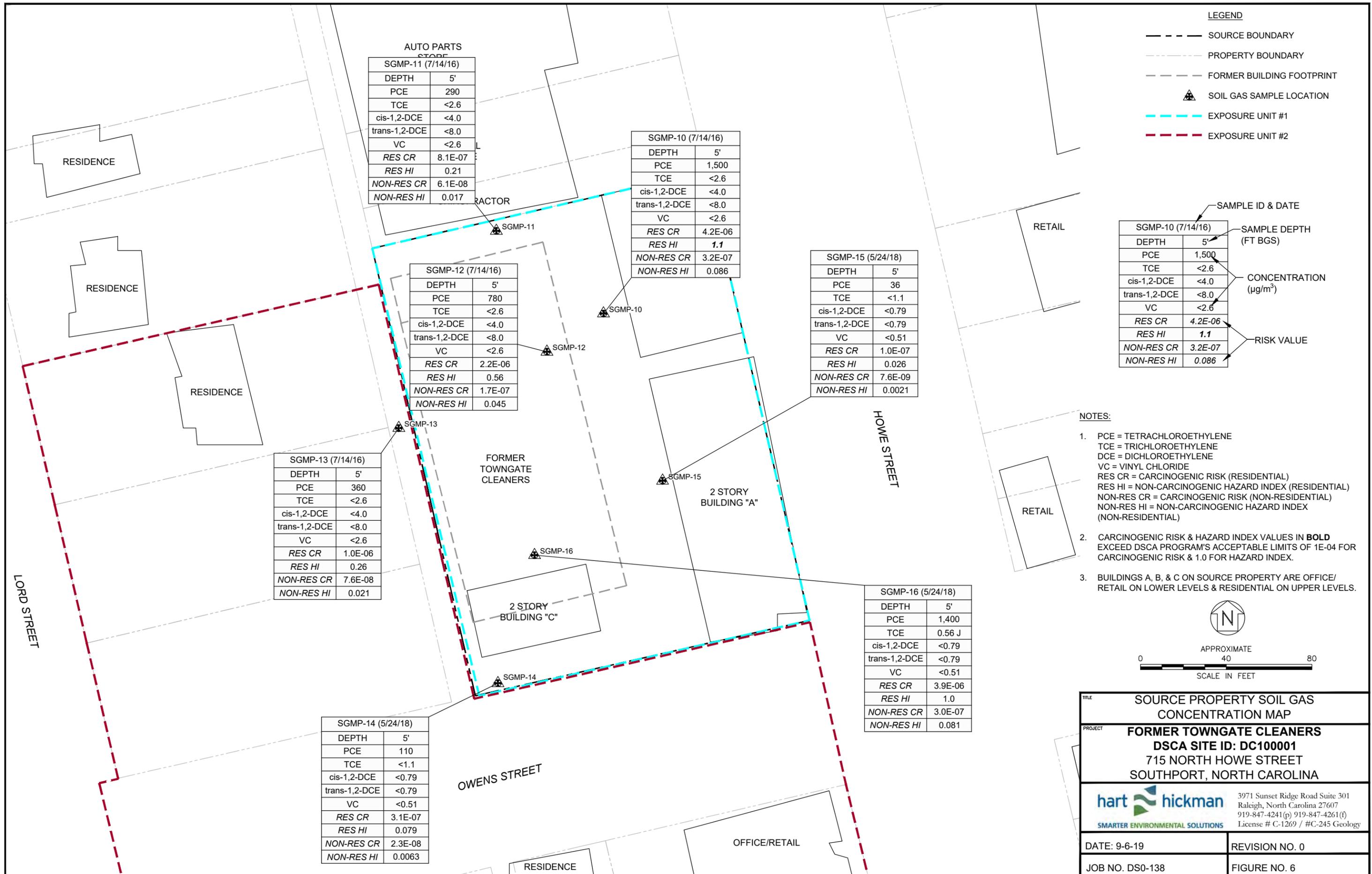
**hart hickman**  
SMARTER ENVIRONMENTAL SOLUTIONS

3921 Sunset Ridge Road, Suite 301  
Raleigh, North Carolina 27607  
919-847-4241 (p) 919-847-4261 (f)  
License # C-1269 / #C-245 Geology

DATE: 3-10-22  
REVISION NO. 0

JOB NO. DS0-138  
FIGURE NO. 5

\\HHS01\MasterFiles\AAA-Master Projects\DSCA - DS0\DS0-138 Towngate Cleaners\Reports\2019-06 RMP\Figures\DC100001\_20190906\_Soil.dwg, FIG. 6, 9/6/2019 1:58:18 PM, DWG To PDF.pc3



**LEGEND**

- SOURCE BOUNDARY
- PROPERTY BOUNDARY
- FORMER BUILDING FOOTPRINT
- ▲ SOIL GAS SAMPLE LOCATION
- EXPOSURE UNIT #1
- EXPOSURE UNIT #2

SAMPLE ID & DATE: SGMP-10 (7/14/16)

SAMPLE DEPTH (FT BGS): 5'

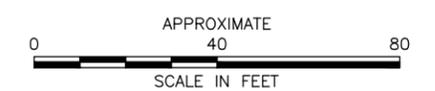
DEPTH	5'
PCE	1,500
TCE	<2.6
cis-1,2-DCE	<4.0
trans-1,2-DCE	<8.0
VC	<2.6
RES CR	4.2E-06
RES HI	1.1
NON-RES CR	3.2E-07
NON-RES HI	0.086

CONCENTRATION (µg/m³)

RISK VALUE

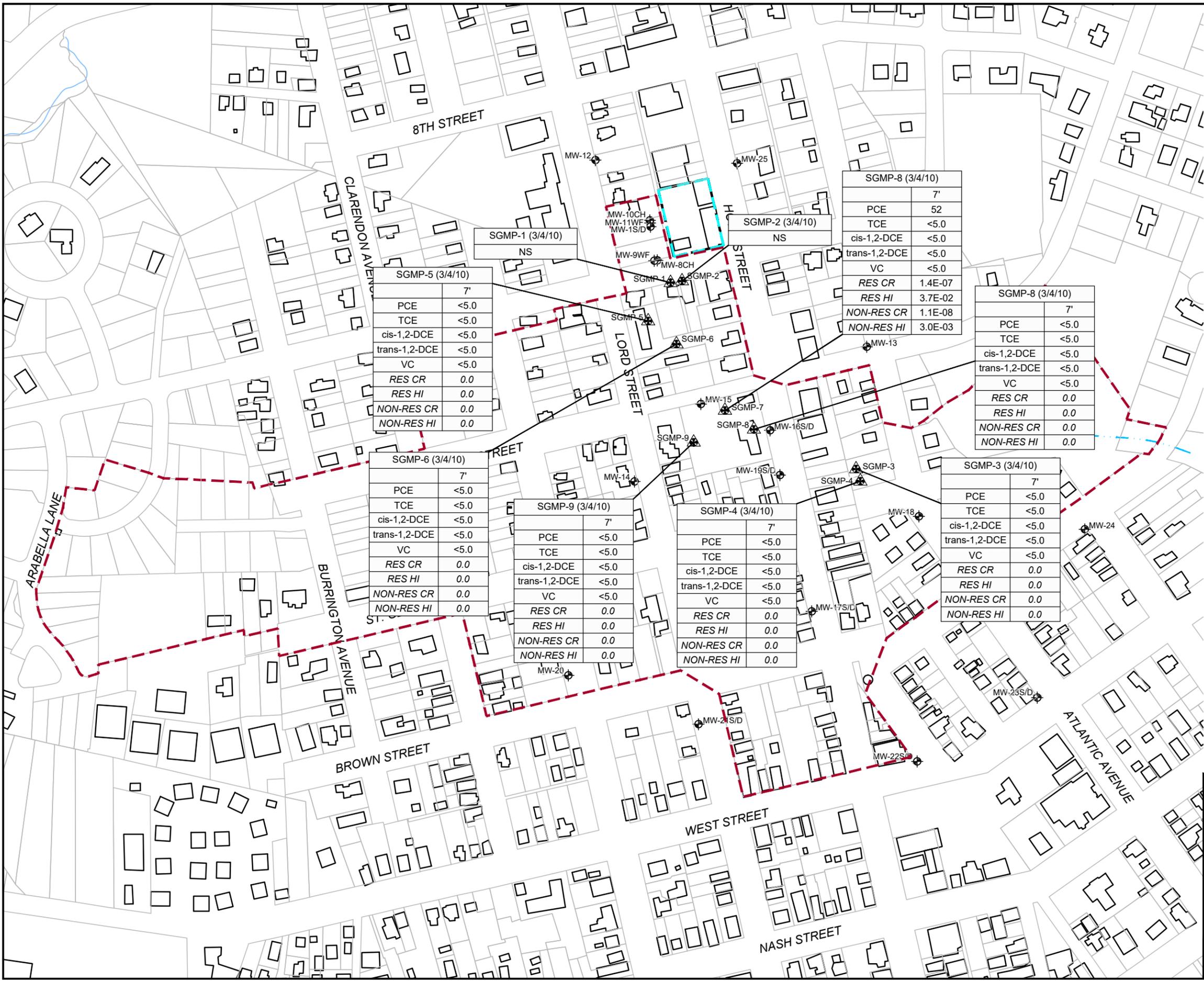
**NOTES:**

- PCE = TETRACHLOROETHYLENE  
TCE = TRICHLOROETHYLENE  
DCE = DICHLOROETHYLENE  
VC = VINYL CHLORIDE  
RES CR = CARCINOGENIC RISK (RESIDENTIAL)  
RES HI = NON-CARCINOGENIC HAZARD INDEX (RESIDENTIAL)  
NON-RES CR = CARCINOGENIC RISK (NON-RESIDENTIAL)  
NON-RES HI = NON-CARCINOGENIC HAZARD INDEX (NON-RESIDENTIAL)
- CARCINOGENIC RISK & HAZARD INDEX VALUES IN **BOLD** EXCEED DSCA PROGRAM'S ACCEPTABLE LIMITS OF 1E-04 FOR CARCINOGENIC RISK & 1.0 FOR HAZARD INDEX.
- BUILDINGS A, B, & C ON SOURCE PROPERTY ARE OFFICE/RETAIL ON LOWER LEVELS & RESIDENTIAL ON UPPER LEVELS.



TITLE	SOURCE PROPERTY SOIL GAS CONCENTRATION MAP	
PROJECT	FORMER TOWNGATE CLEANERS DSCA SITE ID: DC100001 715 NORTH HOWE STREET SOUTHPORT, NORTH CAROLINA	
		3971 Sunset Ridge Road Suite 301 Raleigh, North Carolina 27607 919-847-4241 (p) 919-847-4261 (f) License # C-1269 / #C-245 Geology
DATE: 9-6-19	REVISION NO. 0	
JOB NO. DS0-138	FIGURE NO. 6	

S:\AAA-Master Projects\DSCA - DS0\DS0-138 Towngate Cleaners\Reports\2019-06 RMP\Figures\DC100001\_20220322.dwg, FIG 7, 3/23/2022 11:13:53 AM, shaynes



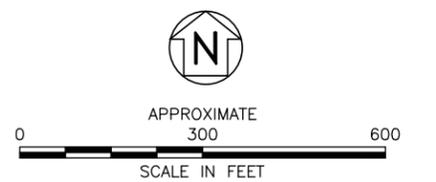
**LEGEND**

- SOURCE BOUNDARY
- PROPERTY BOUNDARY
- SURFACE WATER FEATURE
- ⊕ MONITORING WELL
- ⚠ SOIL GAS SAMPLE LOCATION
- EXPOSURE UNIT #1
- EXPOSURE UNIT #2

**SGMP-6 (3/4/10)**

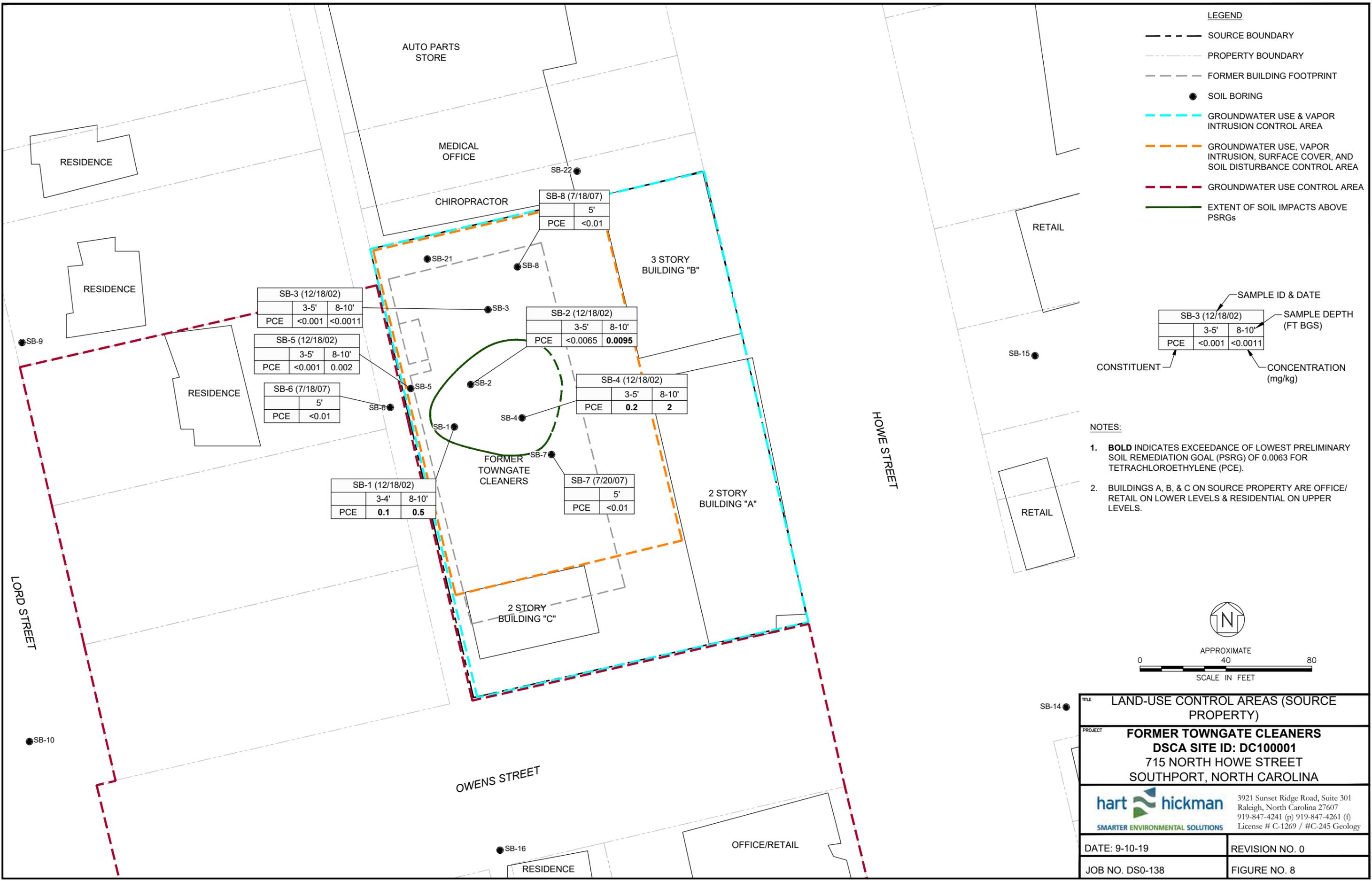
SAMPLE ID & DATE	SGMP-6 (3/4/10)
SAMPLE DEPTH (FT BGS)	7'
CONCENTRATION (µg/m³)	PCE <5.0
	TCE <5.0
	cis-1,2-DCE <5.0
	trans-1,2-DCE <5.0
	VC <5.0
RISK VALUE	RES CR 0.0
	RES HI 0.0
	NON-RES CR 0.0
	NON-RES HI 0.0

- NOTES:**
- PCE = TETRACHLOROETHYLENE  
TCE = TRICHLOROETHYLENE  
DCE = DICHLOROETHYLENE  
VC = VINYL CHLORIDE  
RES CR = CARCINOGENIC RISK (RESIDENTIAL)  
RES HI = NON-CARCINOGENIC HAZARD INDEX (RESIDENTIAL)  
NON-RES CR = CARCINOGENIC RISK (NON-RESIDENTIAL)  
NON-RES HI = NON-CARCINOGENIC HAZARD INDEX (NON-RESIDENTIAL)
  - CARCINOGENIC RISK & HAZARD INDEX VALUES IN **BOLD** EXCEED DSCA PROGRAM'S ACCEPTABLE LIMITS OF 1E-04 FOR CARCINOGENIC RISK & 1.0 FOR HAZARD INDEX.
  - SGMP-1 & SGMP-2 NOT SAMPLED DUE TO WATER INTRUSION.



TITLE <b>NON-SOURCE PROPERTY SOIL GAS CONCENTRATION MAP</b>	
PROJECT <b>FORMER TOWNGATE CLEANERS DSCA SITE ID: DC100001 715 NORTH HOWE STREET SOUTHPORT, NORTH CAROLINA</b>	
 <span style="float: right;">3921 Sunset Ridge Road, Suite 301 Raleigh, North Carolina 27607 919-847-4241 (p) 919-847-4261 (f) License # C-1269 / #C-245 Geology</span>	
DATE: 3-10-22	REVISION NO. 0
JOB NO. DS0-138	FIGURE NO. 7

S:\AAA-Master Projects\DSCA - DSO\DS0-138 Towngate Cleaners\Reports\2019-06 RMP\Figures\DC100001\_20190906\_Solid.dwg, FIG 9, 9/10/2019 4:14:41 AM, DWG To PDF.pc3



RESIDENCE

RESIDENCE

RESIDENCE

AUTO PARTS STORE

MEDICAL OFFICE

CHIROPRACTOR

3 STORY BUILDING "B"

2 STORY BUILDING "A"

2 STORY BUILDING "C"

OWENS STREET

HOWE STREET

LORD STREET

RETAIL

RETAIL

OFFICE/RETAIL

RESIDENCE

SB-3 (12/18/02)		
	3-5'	8-10'
PCE	<0.001	<0.0011

SB-5 (12/18/02)		
	3-5'	8-10'
PCE	<0.001	0.002

SB-6 (7/18/07)		
	5'	
PCE	<0.01	

SB-1 (12/18/02)		
	3-4'	8-10'
PCE	<b>0.1</b>	<b>0.5</b>

SB-2 (12/18/02)		
	3-5'	8-10'
PCE	<0.0065	<b>0.0095</b>

SB-4 (12/18/02)		
	3-5'	8-10'
PCE	<b>0.2</b>	<b>2</b>

SB-7 (7/20/07)		
	5'	
PCE	<0.01	

SB-8 (7/18/07)		
	5'	
PCE	<0.01	

SB-3 (12/18/02)		
	3-5'	8-10'
PCE	<0.001	<0.0011

CONSTITUENT: PCE  
SAMPLE ID & DATE: SB-3 (12/18/02)  
SAMPLE DEPTH (FT BGS): 3-5', 8-10'  
CONCENTRATION (mg/kg): <0.001, <0.0011

SB-9

SB-21

SB-3

SB-8

SB-22

SB-5

SB-2

SB-1

SB-4

SB-7

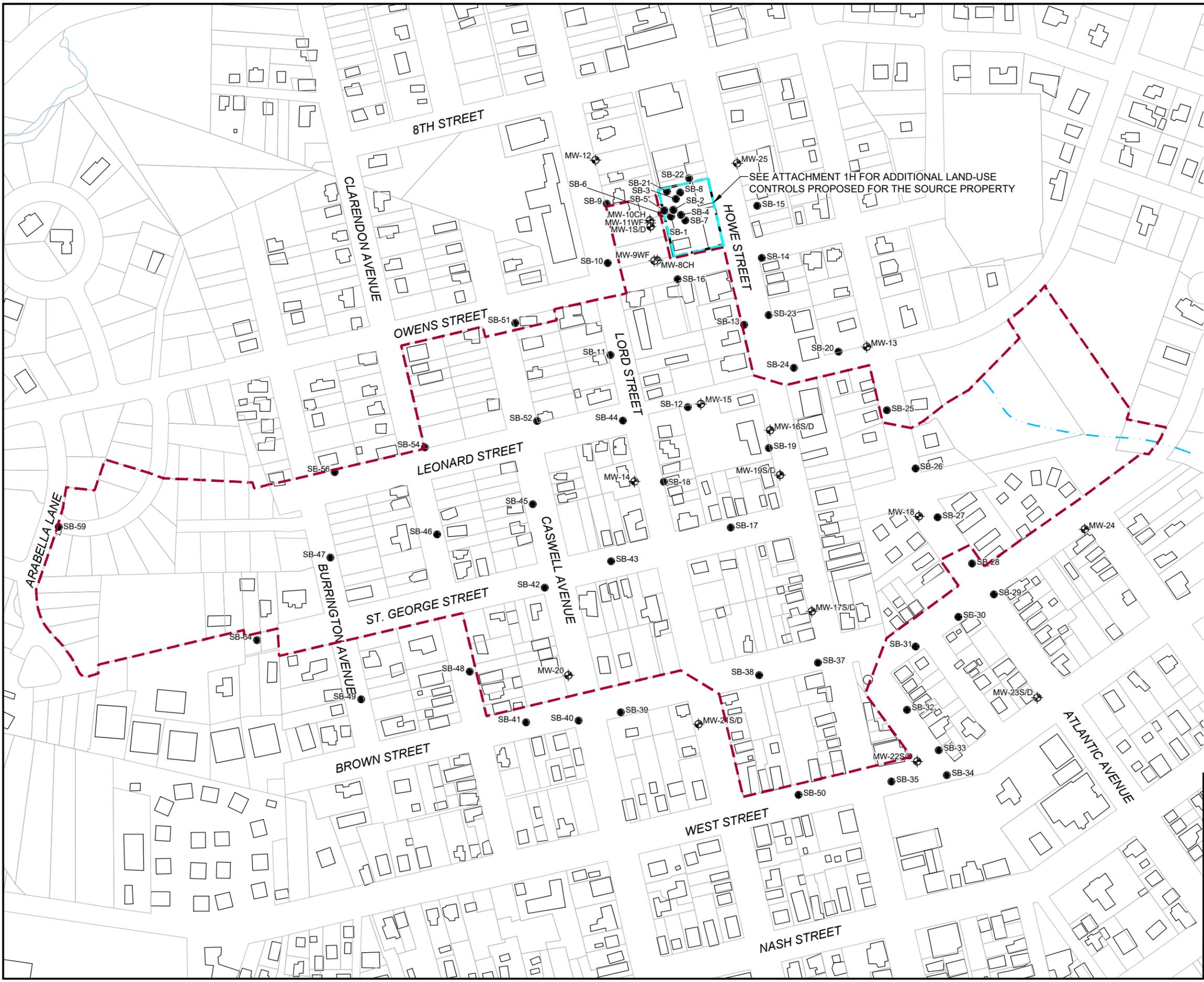
SB-15

SB-10

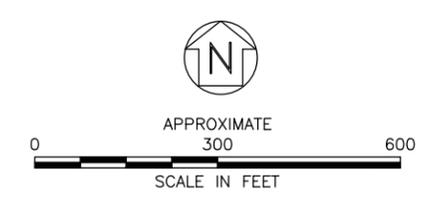
SB-16

SB-14

S:\AAA-Master Projects\DSCA - DS0\DS0-138 Towngate Cleaners\Reports\2019-06 RMP\Figures\DC100001\_20220322.dwg, FIG 9, 3/23/2022 11:14:20 AM, shaynes



- LEGEND**
- SOURCE BOUNDARY
  - PROPERTY BOUNDARY
  - SURFACE WATER FEATURE
  - ⊕ MONITORING WELL
  - SOIL BORING
  - GROUNDWATER USE AND VAPOR INTRUSION CONTROL AREA
  - GROUNDWATER USE CONTROL AREA



TITLE	<b>LAND-USE CONTROL AREAS</b>	
PROJECT	<b>FORMER TOWNGATE CLEANERS DSCA SITE ID: DC100001 715 NORTH HOWE STREET SOUTHPORT, NORTH CAROLINA</b>	
	 <small>SMARTER ENVIRONMENTAL SOLUTIONS</small>	<small>3921 Sunset Ridge Road, Suite 301 Raleigh, North Carolina 27607 919-847-4241 (p) 919-847-4261 (f) License # C-1269 / #C-245 Geology</small>
DATE:	3-10-22	REVISION NO. 0
JOB NO.	DS0-138	FIGURE NO. 9

**Appendix A**  
**Plume Stability Demonstration**

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
AV-1	7/27/94	<0.005	NA	<0.005	NA	<0.01	<b>0.2</b>	<0.005	<0.005	<0.005	<0.01	0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA
AV-4	7/27/94	<0.1	NA	<0.1	NA	NA	<b>2.4</b>	<0.1	<0.1	<0.1	<0.2	NA	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA
W-3	8/9/01	<0.001	<0.00025	<0.001	<0.005	<0.002	<0.00025	<0.001	<0.00025	<0.00025	NA	<0.002	<0.00025	<0.00025	NA	NA	NA	NA	NA	NA	NA
SB-6 18-22'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-6 27-31'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-8 10-14'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<b>0.0109</b>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-8 21-25'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-8 35-39'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-9 18-22'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-9 32-36'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-10 18-22'	7/18/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-10 26-36'	7/18/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-11 18-22'	7/18/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-11 32-36'	7/18/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-12 18-22'	7/17/07	<0.001	0.0108	<0.001	NA	NA	<0.001	<0.001	0.001	<b>0.0112</b>	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-12 32-36'	7/17/07	<0.001	0.0122	<0.001	NA	NA	<b>0.0126</b>	<0.001	<0.001	<b>0.0551</b>	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-12 51-55'	7/19/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-13 18-22'	7/17/07	<0.001	0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<b>0.0031</b>	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-13 32-36'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-14 18-22'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-14 32-36'	7/17/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-15 32-36'	7/18/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-16 18-22'	7/19/07	<0.001	<0.001	<0.001	NA	NA	<b>0.0106</b>	<0.001	<0.001	<b>0.0346</b>	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-16 32-36'	7/19/07	<0.001	<0.001	<0.001	NA	NA	<b>0.0013</b>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-16 56-60'	7/20/07	<0.001	<0.001	<0.001	NA	NA	<b>0.0042</b>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA

**Table 8: Analytical Data for Groundwater**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
SB-17 56-60'	7/19/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-17 32-36'	7/19/07	<0.001	0.0267	<0.001	NA	NA	<0.001	<0.001	0.00346	<b>0.0042</b>	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-17 18-22'	7/19/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-18 10-14'	7/20/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-18 22-26'	7/20/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-18 44-48'	7/20/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-19 48-52'	7/20/07	<0.001	0.0024	<0.001	NA	NA	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-19 32-36'	7/20/07	<0.001	0.0226	<0.001	NA	NA	<b>0.0045</b>	<0.001	0.003	<b>0.0326</b>	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-20 18-22'	7/20/07	<0.002	<0.002	<0.002	NA	NA	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NA	NA	NA	NA	NA	NA	NA	NA
SB-20 32-36'	7/20/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-20 44-48'	7/20/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-21 6-10'	7/11/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-22 11-15'	7/11/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-23 18-22'	7/13/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-24 31-35'	7/13/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-25 8-12'	7/13/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-25 31-35'	7/11/16	<0.001	0.0014	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-26 31-35'	7/11/16	<0.001	0.036	<0.001	NA	NA	<0.0007	<0.001	0.0042	<b>0.0089</b>	<b>0.00048J</b>	<0.002	0.00036J	NA	NA	NA	NA	NA	NA	NA	NA
SB-27 31-35'	7/11/16	<0.001	0.0313	<0.001	NA	NA	<0.0007	<0.001	0.0037	<b>0.0062</b>	<0.001	<0.002	0.00037J	NA	NA	NA	NA	NA	NA	NA	NA
SB-28 31-35'	7/11/16	<0.001	0.0102	<0.001	NA	NA	<0.0007	<0.001	0.00079J	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-29 31-35'	7/12/16	<0.001	0.0014	<0.001	NA	NA	<0.0007	<0.001	0.0006J	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-30 11-15'	7/13/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-30 31-35'	7/12/16	<0.001	0.0033	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-31 31-35'	7/12/16	<0.001	0.0114	<0.001	NA	NA	<0.0007	<0.001	0.00035J	<0.001	<0.001	<0.002	0.00037J	NA	NA	NA	NA	NA	NA	NA	NA
SB-32 31-35'	7/12/16	<0.001	0.0033	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA

**Table 8: Analytical Data for Groundwater**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
SB-33 31-35'	7/12/16	<0.001	0.0028	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-34 31-35'	7/12/16	<0.001	0.0031	<0.001	NA	NA	<0.0007	<0.001	0.0003J	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-35 12-16'	7/13/16	<0.001	0.0003J	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-35 31-35'	7/12/16	<0.001	0.0029	<0.001	NA	NA	<0.001	<0.001	<0.001	0.00074J	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-37 31-35'	7/12/16	<0.001	0.0262	<0.001	NA	NA	<0.001	<0.001	0.0036	<b>0.0389</b>	<b>0.0004J</b>	<0.002	0.00084J	NA	NA	NA	NA	NA	NA	NA	NA
SB-38 31-35'	7/12/16	<0.001	0.0191	<0.001	NA	NA	<0.0007	<0.001	0.004	<b>0.0119</b>	<b>0.00035J</b>	<0.002	0.00064J	NA	NA	NA	NA	NA	NA	NA	NA
SB-39 31-35'	7/12/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-40 31-35'	7/13/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-41 14-18'	7/13/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-41 31-35'	7/13/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-42 31-35'	7/13/16	0.00076J	0.0195	<0.001	NA	NA	<0.0007	<0.001	0.0036	<b>0.01</b>	<0.001	<0.002	0.00066J	NA	NA	NA	NA	NA	NA	NA	NA
SB-43 31-35'	7/13/16	<0.001	0.0243	<0.001	NA	NA	<0.0007	<0.001	0.0062	0.002	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-44 31-35'	7/13/16	<0.001	0.0354	<0.001	NA	NA	<0.0007	<0.001	0.005	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-45 31-35'	11/2/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-46 31-35'	11/2/16	<0.001	0.0097	<0.001	NA	NA	<0.0007	<0.001	0.0023	<b>0.0039</b>	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-47 31-35'	11/2/16	<0.001	0.0076	<0.001	NA	NA	<0.0007	<0.001	<0.001	<b>0.0131</b>	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-48 31-35'	11/2/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-49 31-35'	11/2/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-50 31-35'	11/2/16	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-51 31-35'	3/20/17	<0.001	<0.001	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-52 31-35'	3/20/17	<0.001	0.0148	<0.001	NA	NA	<0.0007	<0.001	<0.001	<b>0.0054</b>	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-54 31-35'	3/20/17	<0.001	0.0049	<0.001	NA	NA	<0.0007	0.00055J	0.00119	0.0021	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-56 31-35'	3/20/17	<0.001	0.0127	<0.001	NA	NA	<0.0007	0.00071J	<0.001	0.00061J	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-59 31-35'	3/20/17	<0.001	0.0009J	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA
SB-64 31-35'	3/20/17	<0.001	0.0019	<0.001	NA	NA	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	NA	NA	NA	NA	NA	NA	NA	NA

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene	
		[mg/L]																				
TW-1 11-15'	3/3/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	
TW-2 11-15'	3/3/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	0.0019J	NA	
TW-3 11-15'	3/3/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	0.0004J	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	0.001J	NA	
MW-1S	7/12-14/00	<0.001	0.0005E	<0.001	<0.005	<0.001	<b>0.012</b>	<0.001	<0.0005	<0.00025	NA	<0.002	<0.0005	0.0022	NA	NA	<0.00025	<0.01	NA	NA	<0.001	
	12/18/02	<0.025	0.003E	<0.0025	<0.025	<0.025	<b>1.2</b>	<0.025	<0.025	<0.025	<0.025	<0.05	<0.025	<0.0025	NA	NA	<0.025	<0.025	<0.025	NA	0.002E	
	8/4/05	<0.001	<0.001	<0.001	<0.001	<0.005	<b>0.0072</b>	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.005	<0.025	<0.01	<0.001	<0.005	<0.001	N/A	<0.001	
	10/17/06	<0.001	0.0072	<0.001	<0.001	<0.001	<b>0.017</b>	<0.001	<0.002	0.00089	<0.002	<0.001	<0.001	<0.001	<0.01	NA	<0.001	<0.002	NA	<0.005	<0.001	
	7/19/07	<0.001	<0.001	<0.001	NA	NA	<b>0.0924</b>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/25/07	<0.0005	<0.005	<0.005	<0.005	<0.005	<b>0.058</b>	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/14/08	0.00022J	0.01	<0.001	<0.001	<0.001	<b>0.0012</b>	<0.001	0.00041J	<b>0.082</b>	<0.001	<0.001	0.00028J	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	8/11/08	<0.001	<0.001	<0.001	<0.001	<0.001	<b>0.024</b>	<0.001	<0.001	0.00016J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	11/6/08	<0.001	<0.001	<0.001	<0.001	0.00022J	<b>0.013</b>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	2/18/09	<0.0005	0.003J	<0.005	<0.005	<0.005	<b>0.013</b>	<0.005	<0.005	0.00059J	<0.0005	<0.005	<0.005	<0.005	<0.005	0.079	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/11/09	<0.0005	0.00095J	<0.005	<0.005	<0.005	<b>0.01</b>	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	8/11/09	<0.0005	0.0037J	<0.005	<0.005	<0.005	<b>0.043</b>	<0.005	<0.005	0.0015J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	11/10/09	<0.0005	<0.005	<0.005	<0.005	0.0008J	<b>0.0076</b>	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	2/8/10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.0051</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.05	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/12/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<b>0.0046</b>	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	11/4/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<b>0.0064</b>	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	0.00059J	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
5/27/11	<0.0005	<0.005	<0.005	<0.005	<0.005	<b>0.0038</b>	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA	
12/2/11	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	0.00122J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA	
5/22/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<b>0.0014</b>	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	0.00059J	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA	

**Table 8: Analytical Data for Groundwater**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene	
		[mg/L]																				
MW-1D	7/12-14/00	<0.001	<0.00025	<0.001	<0.005	<0.001	<0.00025	<0.001	<0.0005	<0.00025	NA	<0.002	<0.0005	<0.00025	NA	NA	<0.00025	<0.01	NA	NA	<0.001	
	12/18/02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.003</b>	<0.0005	<0.0005	0.002	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005	
	8/3/05	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.005	<0.025	<0.01	<0.001	<0.005	<0.001	NA	<0.001	
	10/17/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.01	NA	<0.001	<0.002	NA	<0.005	<0.001	
	8/2/07	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.1	<0.01	<0.005	<0.005	NA	<0.005	NA	
	10/25/07	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/14/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	0.00047J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	0.00014J	<0.001	0.00015J	NA	
	8/11/08	<0.001	<0.001	<0.001	<0.001	<0.001	0.000095J	<0.001	<0.001	0.00032J	<0.001	<0.001	<0.001	<0.001	0.0028J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	11/6/08	0.00022J	<0.001	0.00012J	<0.001	0.00045J	<0.0007	0.00024J	<0.001	0.00036J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	2/18/09	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/11/09	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0028	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	8/11/09	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0028	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	11/10/09	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0028	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	2/8/10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	0.0057J	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/12/10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0028	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	11/4/10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0028	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/27/11	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0028	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
12/2/11	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0028	<0.0005	0.00099J	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA	
5/22/14	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0007	<0.0005	<0.0005	<0.0028	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA	
MW-2S	7/12-14/00	<0.001	<0.00025	<0.001	<0.005	<0.001	<b>0.0054</b>	<0.001	<0.0005	<0.00025	NA	<0.002	<0.0005	<0.00025	NA	NA	<0.00025	<0.01	NA	NA	<0.001	
	12/18/02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.095</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.01	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005	
MW-2D	7/12-14/00	<0.001	<0.00025	<0.001	<0.005	<0.001	<0.00025	<0.001	<0.0005	<0.00025	NA	<0.002	<0.0005	<0.00025	NA	NA	<0.00025	<0.01	NA	NA	<0.001	
	12/18/02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005	
MW-3S	7/12-14/00	<0.001	<0.00025	<0.001	<0.005	<0.001	0.00029	<0.001	<0.0005	<0.00025	NA	<0.002	<0.0005	<0.00025	NA	NA	<0.00025	<0.01	NA	NA	<0.001	
	12/18/02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.045</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005	
MW-3D	7/12-14/00	<0.001	<0.00025	<0.001	<0.005	<0.001	<0.00025	<0.001	<0.0005	<0.00025	NA	<0.002	<0.0005	<0.00025	NA	NA	<0.00025	<0.01	NA	NA	<0.001	
	12/18/02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005	

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
MW-4S	7/12-14/00	<0.001	<0.00025	<0.001	<0.005	<0.001	<0.00025	<0.001	<0.0005	<0.00025	NA	<0.002	<0.0005	<0.00025	NA	NA	<0.00025	<0.01	NA	NA	<0.001
	12/18/02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005
MW-4D	7/12-14/00	<0.001	<0.00025	<0.001	<0.005	<0.001	<0.00025	<0.001	<0.0005	<0.00025	NA	<0.002	<0.0005	<0.00025	NA	NA	<0.00025	<0.01	NA	NA	<0.001
	12/18/02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005
MW-5S	7/12-14/00	<0.001	<0.00025	<0.001	<0.005	<0.001	<b>8.1</b>	<0.001	<0.0005	<0.00025	NA	<0.002	<0.0005	<0.00025	NA	NA	<0.00025	<0.01	NA	NA	<0.001
	12/18/02	<0.002	<0.002	<0.002	<0.002	<0.002	<b>0.065</b>	<0.002	<0.002	0.0008E	<0.002	<0.004	<0.002	<0.002	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005
MW-5D	7/12-14/00	<0.001	0.0008E	<0.001	<0.005	<0.001	<b>1.3</b>	<0.001	<0.0005	<b>0.055</b>	NA	<0.002	0.00091E	<0.00025	NA	NA	<0.00025	<0.01	NA	NA	<0.001
	12/18/02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.002</b>	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005
MW-6 WF	5/27/03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005
MW-7 CH	5/27/03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005
MW-8 CH	5/22/03	<b>0.002</b>	<0.0005	0.0005	<0.0005	0.001	<0.0005	0.003	<0.0005	<0.0005	<0.0005	0.0029	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	0.0008
	8/3/05	<0.001	<0.001	<0.001	0.0013	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.005	<0.025	<0.01	<0.001	<0.005	<0.001	NA	<0.001
	10/17/06	<0.001	<0.001	<0.001	0.0023	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.01	NA	<0.001	<0.002	NA	<0.005	<0.001
	8/3/07	<0.005	<0.005	<0.005	0.002J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.1	<0.01	<0.005	<0.005	NA	<0.005	NA
	10/25/07	<0.0005	<0.005	<0.005	0.0025J	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	0.00043J	<0.005	NA
	5/13/08	<0.001	<0.001	<0.001	0.0026	<0.001	<0.0007	0.00014J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	0.00036J	0.00019J	NA
	5/11/09	<0.0005	<0.005	<0.005	0.0028	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	0.00036J	<0.005	NA
	11/10/09	<0.0005	<0.005	<0.005	0.0031J	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/11/10	<0.0005	<0.005	<0.005	0.0036J	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/22/14	<0.0005	<0.005	<0.005	0.0022J	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	0.00034J	<0.005	NA	

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene	
		[mg/L]																				
MW-9 WF	5/22/03	0.002	<0.0005	<0.0005	<0.0005	0.002	<0.0005	0.002	<0.0005	<0.0005	<0.0005	0.0028	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	0.0009	
	8/3/05	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.005	<0.025	<0.01	<0.001	<0.005	<0.001	NA	<0.001	
	10/17/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.01	NA	<0.001	<0.002	NA	<0.005	<0.001	
	7/19/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/25/07	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/13/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	0.000099J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.00017J	NA
	5/11/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	11/10/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/11/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	0.0062J	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/22/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
MW-10CH	5/27/03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005	
	8/3/05	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.005	<0.025	<0.01	<0.001	<0.005	<0.001	NA	<0.001	
	10/17/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.01	NA	<0.001	<0.002	NA	<0.005	<0.001	
	8/2/07	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.1	<0.01	<0.005	<0.005	NA	<0.005	NA	
	10/25/07	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	
	5/13/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	0.000095J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0026J	<0.001	<0.001	<0.001	<0.001	<0.001	0.00015J	NA
	5/11/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	11/10/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/13/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/22/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	0.00091J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene	
		[mg/L]																				
MW-11WF	5/27/03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	NA	NA	<0.0005	<0.005	<0.0005	NA	<0.0005	
	8/3/05	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.005	<0.025	<0.01	<0.005	<0.001	NA	<0.001	<0.001	
	10/17/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.01	NA	<0.001	<0.002	NA	<0.005	<0.001	
	7/19/07	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/25/07	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/13/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	0.0001J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00022J	NA
	5/11/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	11/10/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/13/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/22/14	<0.0005	<0.005	<0.005	<0.005	0.00036J	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
MW-12	10/25/07	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/14/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	0.000089J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	8/11/08	<0.001	<0.001	<0.001	<0.001	<0.001	0.00013J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0038J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	11/6/08	0.00013J	<0.001	<0.001	<0.001	0.00023J	<0.0007	0.00015J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	2/18/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	0.00063J	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/11/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	8/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	11/10/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	2/8/10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.05	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA
	11/4/10	<0.0005	<0.005	<0.005	<0.005	0.00093J	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/27/11	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	11/29/11	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	0.00137J	<0.005	0.002J	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA
	5/20/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	NA

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
MW-13	10/25/07	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/13/08	<0.001	<0.001	<0.001	0.00029J	<0.001	<0.0007	0.000082J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00015J	NA
	5/13/09	<0.0005	<0.005	<0.005	0.00049J	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/10/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/11/10	<0.0005	<0.005	<0.005	0.00068J	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/21/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
MW-14	10/25/07	<0.0005	0.015	<0.005	<0.005	<0.005	<b>0.0029</b>	<0.005	0.003J	<b>0.017</b>	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/15/08	<0.001	0.014	<0.001	0.00021J	<0.001	<b>0.0026</b>	0.000081J	0.0027	<b>0.013</b>	<0.001	<0.001	0.00013J	<0.001	<0.005	<0.001	<0.001	<0.0007	<0.001	0.00015J	NA
	5/12/09	<0.0005	0.017	<0.005	<0.005	<0.005	<b>0.0021</b>	<0.005	<0.005	<b>0.013</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	0.021	<0.005	<0.005	<0.005	<b>0.0035</b>	<0.005	0.0051	<b>0.023</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/11/10	<0.0005	0.017	<0.005	<0.005	<0.005	<b>0.002</b>	<0.005	0.0032J	<b>0.011</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/21/14	<0.0005	0.018	<0.005	<0.005	<0.005	<b>0.0012</b>	<0.005	0.0023J	<b>0.005</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
MW-15	10/25/07	<0.0005	0.0052	<0.005	<0.005	<0.005	<b>0.00082</b>	<0.005	<0.005	<b>0.046</b>	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/14/08	<0.001	0.0012	<0.001	0.00016J	<0.001	<b>0.052</b>	0.00011J	<0.001	0.00094J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	0.00015J	<0.001	<0.001	NA
	8/11/08	0.00021J	0.013	<0.001	<0.001	<0.001	<b>0.0013</b>	<0.001	0.00074J	<b>0.11</b>	<0.001	<0.001	0.00039J	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00023J	NA
	11/6/08	0.00036J	0.023	<0.001	<0.001	0.00014J	<b>0.00084</b>	<0.001	0.00069J	<b>0.086</b>	<0.001	<0.001	0.00048J	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.0001J	NA
	2/18/09	<0.0005	0.016	<0.005	<0.005	<0.005	<b>0.00098</b>	<0.005	0.00061J	<b>0.087</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/09	0.00028J	0.017	<0.005	<0.005	<0.005	<b>0.0013</b>	<0.005	<0.005	<b>0.11</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	8/13/09	0.00032J	0.024	<0.005	0.00028J	0.00078J	<b>0.00076</b>	0.00039J	0.0013J	<b>0.12</b>	<0.0005	<0.005	0.00047J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/10/09	<0.0005	0.029	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0012J	<b>0.14</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	2/8/10	<0.0005	0.024	<0.0005	<0.0005	<0.0005	0.00068	<0.0005	0.00088	<b>0.11</b>	<0.0005	<0.001	<0.0005	<0.0005	0.0059J	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/12/10	<0.0005	0.033	<0.005	<0.005	<0.005	0.00068J	<0.005	0.0013J	<b>0.1</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/4/10	0.00032J	0.035	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0016J	<b>0.1</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/27/11	<0.0005	0.036	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0014J	<b>0.098</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/29/11	<0.0005	0.031	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0015J	<b>0.079</b>	<0.0005	0.00082J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/21/14	0.00024J	0.038	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0019J	<b>0.048</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
MW-16S	10/24/07	<0.0005	0.062	<0.005	<0.005	<0.005	<b>0.0032</b>	<0.005	0.0062	<b>0.1</b>	<0.0005	<0.005	0.001J	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/14/08	0.00016J	<b>0.075</b>	<0.001	0.00047J	<0.001	<b>0.0052</b>	<0.001	0.013	<b>0.14</b>	<b>0.00078J</b>	<0.001	0.00093J	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00018J	NA
	8/12/08	0.00011J	<b>0.073</b>	<0.001	0.00075J	<0.001	<b>0.0045</b>	<0.001	0.012	<b>0.13</b>	<0.001	<0.001	0.00077J	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	11/6/08	0.00021J	<b>0.095</b>	<0.001	0.00099J	0.00012J	<b>0.0065</b>	<0.001	0.019	<b>0.12</b>	<b>0.00093J</b>	<0.001	0.0012	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	2/18/09	<0.0005	<b>0.087</b>	<0.005	0.001J	<0.005	<b>0.0031</b>	<0.005	0.015	<b>0.11</b>	<0.0005	<0.005	0.00053J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/09	<0.0005	<b>0.08</b>	<0.005	0.00094J	0.00067J	<b>0.0021</b>	<0.005	0.014	<b>0.12</b>	<0.0005	<0.005	0.00059J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/11/09	<0.0005	<b>0.09</b>	<0.005	0.00064J	<0.005	<b>0.0023</b>	<0.005	0.017	<b>0.097</b>	<0.0005	<0.005	0.0006J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	2/8/10	<0.0005	0.053	<0.0005	0.00071	<0.0005	<b>0.001</b>	<0.0005	0.0087	<b>0.061</b>	<0.0005	<0.001	<0.0005	<0.0005	0.0059J	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/12/10	<0.0005	<b>0.095</b>	<0.005	0.00085J	<0.005	<b>0.0019</b>	<0.005	0.016	<b>0.086</b>	<0.0005	<0.005	0.00063J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/3/10	<b>0.0012</b>	<b>0.1</b>	0.00072J	0.0013J	0.0026J	<b>0.0035</b>	<0.005	0.015	<b>0.091</b>	<0.0005	<0.005	0.00075J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/26/11	<0.0005	<b>0.081</b>	<0.005	<0.005	<0.005	<b>0.0019</b>	<0.005	0.012	<b>0.067</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	12/2/11	<0.0005	<b>0.100</b>	<0.005	0.00076J	<0.005	<b>0.0025</b>	<0.005	0.015	<b>0.078</b>	<b>0.00063</b>	0.00085J	0.00058J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/21/14	<0.0005	<b>0.078</b>	<0.005	<0.005	0.00045J	<0.0007	<0.005	0.0086	<b>0.033</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	
MW-16D	10/24/07	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	0.00034J	0.0012J	NA
	5/14/08	0.000092J	<0.001	<0.001	<0.001	<0.001	<0.0007	0.00011J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0047J	<0.001	<0.001	0.00018J	0.00038J	0.0021	NA
	5/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	0.00036J	<0.005	NA
	8/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	0.00034J	<0.005	NA
	11/11/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/21/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	0.00085J	<0.005	<0.005	0.0064J	<0.01	<0.005	<0.005	0.00029J	0.0012J	NA

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
MW-17S	10/25/07	<0.0005	0.026	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0028J	<b>0.021</b>	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/15/08	<0.001	0.024	<0.001	<0.001	<0.001	<0.0007	0.000088J	0.0028	<b>0.019</b>	<0.001	<0.001	0.00036J	<0.001	<0.005	<0.001	<0.001	<0.0007	<0.001	0.00017J	NA
	8/12/08	<0.001	0.028	<0.001	<0.001	<0.001	<0.0007	<0.001	0.0035	<b>0.018</b>	<0.001	<0.001	0.00042J	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	11/5/08	<0.001	0.028	<0.001	<0.001	<0.001	<0.0007	<0.001	0.0039	<b>0.018</b>	<0.001	<0.001	0.00042J	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	2/18/09	<0.0005	0.0088	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0011J	<b>0.0034J</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/09	<0.0005	0.021	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0032J	<b>0.015</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	0.0012J	<0.005	<0.005	<0.005	<0.005	NA
	8/12/09	<0.0005	0.021	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0026J	<b>0.011</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/11/09	<0.0005	0.027	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0036J	<b>0.012</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	2/8/10	<0.0005	0.02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0027	<b>0.0075</b>	<0.0005	<0.001	<0.0005	<0.0005	0.0065J	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/12/10	<0.0005	0.024	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0032J	<b>0.01</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/4/10	<0.0005	0.024	<0.005	<0.005	0.00059J	<0.0007	<0.005	0.0028J	<b>0.0074</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/26/11	<0.0005	0.027	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0036J	<b>0.009</b>	<0.0005	0.00044J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	12/2/11	<0.0005	0.029	<0.005	<0.005	0.0008J	<0.0007	<0.005	0.0034J	<b>0.008</b>	<0.0005	0.00054J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/21/14	<0.0005	0.012	<0.005	0.0015J	0.00039J	<0.0007	<0.005	0.001J	0.0023J	<0.0005	<0.005	<0.005	<0.005	0.0027J	<0.01	<0.005	<0.005	<0.005	<0.005	NA	
MW-17D	10/26/07	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	0.0014J	NA
	5/15/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	0.000094J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	0.00012J	0.00044J	NA
	5/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	0.00062J	NA
	11/13/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	0.0006J	NA
5/21/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	

**Table 8: Analytical Data for Groundwater**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
MW-18	10/25/07	<0.0005	0.027	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0045J	<b>0.066</b>	<0.0005	<0.005	0.0011J	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/15/08	0.000099J	0.02	<0.001	<0.001	<0.001	<0.0007	0.00014J	0.0024	<b>0.031</b>	<b>0.00032J</b>	<0.001	0.00066J	<0.001	<0.005	<0.001	<0.001	0.00029J	<0.001	0.00021J	NA
	8/12/08	<0.001	0.028	<0.001	<0.001	<0.001	<0.0007	<0.001	0.0039	<b>0.043</b>	<b>0.00023J</b>	<0.001	0.001	<0.001	0.0084	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	11/6/08	0.00012J	0.034	<0.001	<0.001	<0.001	<0.0007	<0.001	0.0053	<b>0.05</b>	<0.001	<0.001	0.0013	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00011J	NA
	2/18/09	<0.0005	0.022	<0.005	<0.005	0.00058J	0.00032J	<0.005	0.0029J	<b>0.04</b>	<0.0005	<0.005	0.00086J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/13/09	<0.0005	0.028	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0038J	<b>0.045</b>	<0.0005	<0.005	0.00097J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	8/12/09	<0.0005	0.029	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0037J	<b>0.041</b>	<0.0005	<0.005	0.00087J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	0.03	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0046J	<b>0.047</b>	<0.0005	<0.005	0.001J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	2/8/10	<0.0005	0.03	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0032	<b>0.037</b>	<0.0005	<0.001	0.00092	<0.0005	<0.05	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/10/10	<0.0005	0.026	<0.005	<0.005	<0.005	<0.0007	<0.005	0.003J	<b>0.032</b>	<0.0005	<0.005	0.00068J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/4/10	<0.0005	0.039	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0044J	<b>0.041</b>	<0.0005	<0.005	0.00096J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/26/11	<0.0005	0.035	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0045J	<b>0.041</b>	<0.0005	0.00032J	0.0012J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/29/11	<0.0005	0.038	<0.005	<0.005	0.0041J	<0.0007	<0.005	0.0047J	<b>0.033</b>	<0.0005	0.00116J	0.001J	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/21/14	<0.0005	0.031	<0.005	<0.005	0.0037J	<0.0007	<0.005	0.002J	<b>0.0068</b>	<0.0005	0.00072J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	
MW-19S	1/23/08	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/15/08	<0.001	<0.001	<0.001	0.000088J	<0.001	<b>0.0021</b>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.0007	<0.001	0.00012J	NA
	5/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	0.00031J	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	12/2/11	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	0.00089J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/21/14	<0.0005	<0.005	<0.005	<0.005	0.00054J	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
MW-19D	3/13/08	<0.0005	0.023	<0.005	<0.005	<0.005	<0.0007	<0.005	0.002	0.0005J	<0.0005	<0.001	<0.005	<0.005	<0.01	<0.01	<0.005	0.0011J	<0.005	<0.005	NA
	5/15/08	<0.001	0.025	<0.001	0.00012J	<0.001	<0.0007	<0.001	0.0024	0.0009J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.0007	<0.001	0.00026J	NA
	8/12/08	<0.001	0.028	<0.001	<0.001	<0.001	<0.0007	<0.001	0.0024	0.0007J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	11/5/08	<0.001	0.028	<0.001	<0.001	<0.001	<0.0007	<0.001	0.0029	0.00082J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00012J	NA
	2/18/09	<0.0005	0.019	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0018J	0.00084J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/09	<0.0005	0.018	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0017J	0.00054J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	8/12/09	<0.0005	0.015	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0014J	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	0.022	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0023J	0.0005J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	2/8/10	<0.0005	0.013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0012	0.00052	<0.0005	<0.001	<0.0005	<0.0005	0.0058J	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/12/10	<0.0005	0.017	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0013J	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/3/10	<0.0005	0.022	<0.005	<0.005	<0.005	<0.0007	<0.005	0.002J	0.00072J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/26/11	<0.0005	0.022	<0.005	<0.005	<0.005	<0.0007	<0.005	0.0018J	<0.0028	<0.0005	0.00032J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/21/14	<0.0005	0.027	<0.005	<0.005	0.004J	<0.0007	<0.005	0.0012J	<0.0028	<0.0005	0.00093J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	
MW-20	1/23/08	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/15/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.0007	<0.001	0.0002J	NA
	5/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/11/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/21/14	<0.0005	0.00062J	<0.005	<0.005	0.0019J	<0.0007	<0.005	<0.005	<b>0.0039</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/15/17	<0.00050	0.0014	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.0015	<0.00050	<0.00050	<0.0050	<0.0050	<0.00050	<0.00050	<0.00050	<0.00050	NA
MW-21S	1/23/08	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	0.00056J	<0.005	<0.005	NA
	5/15/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	0.00058J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	0.00017J	<0.001	<0.001	NA
	5/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	0.00055J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	0.00067J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/11/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	0.00075J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/21/14	<0.0005	0.00063J	<0.005	<0.005	0.0013J	<0.0007	<0.005	<0.005	0.00071J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA

**Table 8: Analytical Data for Groundwater**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
MW-21D	1/23/08	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/15/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	0.000083J	<0.001	0.00043J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00016J	NA
	5/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	0.00045J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/11/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/21/14	<0.0005	<0.005	<0.005	<0.005	0.00094J	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
MW-22S	1/23/08	<0.0005	0.0018J	<0.005	<0.005	<0.005	<0.0007	0.00022J	<0.005	0.0013J	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/14/08	<0.001	0.0017	<0.001	<0.001	<0.001	<0.0007	0.000084J	0.00024J	0.0011	<0.001	<0.001	<0.001	<0.001	0.0039J	<0.005	<0.001	<0.001	<0.001	0.00019J	NA
	8/12/08	<0.001	0.0022	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	0.0015	<0.001	<0.001	0.00017J	<0.001	0.005J	<0.001	<0.001	<0.001	<0.001	0.00017J	NA
	11/5/08	<0.001	0.0029	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	0.0021	<0.001	<0.001	0.00019J	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00028J	NA
	2/18/09	<0.0005	0.0016J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	0.0014J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/09	<0.0005	0.0021J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	0.0019J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	8/12/09	<0.0005	0.0031J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	0.0027J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	0.0026J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<b>0.0034</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	2/9/10	<0.0005	0.003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<b>0.0036</b>	<0.0005	<0.001	<0.0005	<0.0005	<0.05	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/10/10	<0.0005	0.0023J	<0.005	<0.005	0.00053J	<0.0007	<0.005	<0.005	<b>0.0032</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/4/10	<0.0005	0.0025J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<b>0.003</b>	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/26/11	<0.0005	0.0019J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/29/11	<0.0005	0.0032J	<0.005	<0.005	0.0043J	<0.0007	<0.005	<0.005	<b>0.0049</b>	<0.0005	0.00115J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/20/14	<0.0005	0.0021J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
11/15/17	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.0015	<0.00050	<0.00050	0.0052	<0.0050	<0.00050	<0.00050	<0.00050	<0.00050	NA
MW-22D	1/24/08	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/14/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	0.000098J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00015J	NA
	5/12/09	<0.0005	0.00053J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/10/10	<0.0005	0.00076J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/20/14	<0.0005	0.0015J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA

**Table 8: Analytical Data for Groundwater**

**ADT 8**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
MW-23S	1/24/08	<0.0005	0.0038J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	0.0019J	NA
	5/14/08	<0.001	0.0039	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	0.00026J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00048J	NA
	8/12/08	<0.001	0.004	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	0.00014J	<0.001	<0.001	<0.001	<0.001	0.0086	<0.001	<0.001	<0.001	<0.001	0.00045J	NA
	11/6/08	0.00026J	0.00059J	0.00018J	<0.001	<0.001	<0.0007	0.00014J	<0.001	0.00093J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00046J	NA
	2/18/09	<0.0005	0.003J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/09	<0.0005	0.0036J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	8/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	0.004J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	2/9/10	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.05	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/10/10	<0.0005	0.0004J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/4/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	0.00088J	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/26/11	<0.0005	0.0044J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/29/11	<0.0005	0.0043J	<0.005	<0.005	0.0017J	<0.0007	<0.005	<0.005	<0.0028	<0.0005	0.00102J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/20/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	
MW-23D	1/24/08	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/14/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00015J	NA
	5/12/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	0.022J	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/10/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/20/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	

**Table 8: Analytical Data for Groundwater**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	1,1-Dichloroethylene	Chloroform	Acetone	2-Butanone	Bromodichloromethane	Methylene chloride	Diisopropyl ether	Carbon disulfide	1,2,4 Trimethylbenzene
		[mg/L]																			
MW-24	1/23/08	<0.0005	0.0028J	<0.005	<0.005	<0.005	<0.0007	<0.005	0.00022J	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/15/08	0.000085J	0.0023	<0.001	0.00025J	<0.001	<0.0007	<0.001	<0.001	0.00012J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.0007	<0.001	0.00014J	NA
	8/12/08	<0.001	0.0028	<0.001	0.00047J	<0.001	<0.0007	<0.001	<0.001	0.0002J	<0.001	<0.001	<0.001	<0.001	0.0048J	<0.001	<0.001	<0.001	<0.001	0.00017J	NA
	11/5/08	<0.001	0.0033	<0.001	0.00048J	<0.001	<0.0007	<0.001	<0.001	0.0001J	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	NA
	2/18/09	<0.0005	0.002J	<0.005	0.00049J	0.0012J	0.00035J	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/12/09	<0.0005	0.0021J	<0.005	0.00052J	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	8/12/09	<0.0005	0.0028J	<0.005	0.0007J	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/13/09	<0.0005	0.0028J	<0.005	0.00074J	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	2/9/10	<0.0005	0.0022	<0.0005	0.00083	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.05	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	NA
	5/10/10	<0.0005	0.0025J	<0.005	0.00088J	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/4/10	<0.0005	0.0048J	<0.005	0.001J	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/26/11	<0.0005	0.0028J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/29/11	<0.0005	0.0039J	<0.005	<0.005	0.0011J	<0.0007	<0.005	<0.005	<0.0028	<0.0005	0.00071J	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/20/14	<0.0005	0.0036J	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	
MW-25	10/25/07	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/13/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	0.00014J	NA
	5/13/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	11/10/09	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
	5/11/10	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA
5/20/14	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0007	<0.005	<0.005	<0.0028	<0.0005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	NA	
NC 2L Standard		0.001	0.07	0.6	0.02	0.006	0.0007	0.6	0.1	0.003	0.000003	0.5	0.007	0.07	6	4	6.00E-04	0.005	0.07	0.7	0.4

**Notes:**

1. Bold concentrations indicate an exceedance of Title 15A NCAC 2L .0115 Groundwater Standard (2L Standard) or Interim Maximum Allowable Concentration dated April 2013.
2. J denotes estimated concentration between laboratory reporting limit and method detection limit.

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
AV-1	7/27/94	NA	NA	NA	NA	NA	NA													
AV-4	7/27/94	NA	NA	NA	NA	NA	NA													
W-3	8/9/01	NA	NA	NA	NA	NA	NA													
SB-6 18-22'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-6 27-31'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-8 10-14'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-8 21-25'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-8 35-39'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-9 18-22'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-9 32-36'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-10 18-22'	7/18/07	NA	NA	NA	NA	NA	NA													
SB-10 26-36'	7/18/07	NA	NA	NA	NA	NA	NA													
SB-11 18-22'	7/18/07	NA	NA	NA	NA	NA	NA													
SB-11 32-36'	7/18/07	NA	NA	NA	NA	NA	NA													
SB-12 18-22'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-12 32-36'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-12 51-55'	7/19/07	NA	NA	NA	NA	NA	NA													
SB-13 18-22'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-13 32-36'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-14 18-22'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-14 32-36'	7/17/07	NA	NA	NA	NA	NA	NA													
SB-15 32-36'	7/18/07	NA	NA	NA	NA	NA	NA													
SB-16 18-22'	7/19/07	NA	NA	NA	NA	NA	NA													
SB-16 32-36'	7/19/07	NA	NA	NA	NA	NA	NA													
SB-16 56-60'	7/20/07	NA	NA	NA	NA	NA	NA													

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
SB-17 56-60'	7/19/07	NA	NA	NA	NA	NA	NA													
SB-17 32-36'	7/19/07	NA	NA	NA	NA	NA	NA													
SB-17 18-22'	7/19/07	NA	NA	NA	NA	NA	NA													
SB-18 10-14'	7/20/07	NA	NA	NA	NA	NA	NA													
SB-18 22-26'	7/20/07	NA	NA	NA	NA	NA	NA													
SB-18 44-48'	7/20/07	NA	NA	NA	NA	NA	NA													
SB-19 48-52'	7/20/07	NA	NA	NA	NA	NA	NA													
SB-19 32-36'	7/20/07	NA	NA	NA	NA	NA	NA													
SB-20 18-22'	7/20/07	NA	NA	NA	NA	NA	NA													
SB-20 32-36'	7/20/07	NA	NA	NA	NA	NA	NA													
SB-20 44-48'	7/20/07	NA	NA	NA	NA	NA	NA													
SB-21 6-10'	7/11/16	NA	NA	NA	NA	NA	NA													
SB-22 11-15'	7/11/16	NA	NA	NA	NA	NA	NA													
SB-23 18-22'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-24 31-35'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-25 8-12'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-25 31-35'	7/11/16	NA	NA	NA	NA	NA	NA													
SB-26 31-35'	7/11/16	NA	NA	NA	NA	NA	NA													
SB-27 31-35'	7/11/16	NA	NA	NA	NA	NA	NA													
SB-28 31-35'	7/11/16	NA	NA	NA	NA	NA	NA													
SB-29 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													
SB-30 11-15'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-30 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													
SB-31 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													
SB-32 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
SB-33 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													
SB-34 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													
SB-35 12-16'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-35 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													
SB-37 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													
SB-38 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													
SB-39 31-35'	7/12/16	NA	NA	NA	NA	NA	NA													
SB-40 31-35'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-41 14-18'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-41 31-35'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-42 31-35'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-43 31-35'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-44 31-35'	7/13/16	NA	NA	NA	NA	NA	NA													
SB-45 31-35'	11/2/16	NA	NA	NA	NA	NA	NA													
SB-46 31-35'	11/2/16	NA	NA	NA	NA	NA	NA													
SB-47 31-35'	11/2/16	NA	NA	NA	NA	NA	NA													
SB-48 31-35'	11/2/16	NA	NA	NA	NA	NA	NA													
SB-49 31-35'	11/2/16	NA	NA	NA	NA	NA	NA													
SB-50 31-35'	11/2/16	NA	NA	NA	NA	NA	NA													
SB-51 31-35'	3/20/17	NA	NA	NA	NA	NA	NA													
SB-52 31-35'	3/20/17	NA	NA	NA	NA	NA	NA													
SB-54 31-35'	3/20/17	NA	NA	NA	NA	NA	NA													
SB-56 31-35'	3/20/17	NA	NA	NA	NA	NA	NA													
SB-59 31-35'	3/20/17	NA	NA	NA	NA	NA	NA													
SB-64 31-35'	3/20/17	NA	NA	NA	NA	NA	NA													

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
TW-1 11-15'	3/3/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
TW-2 11-15'	3/3/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
TW-3 11-15'	3/3/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
MW-1S	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	0.0006E	<0.0005	<0.0005	NA	<0.0005	<0.0005													
	8/4/05	<0.001	<0.001	<0.001	NA	<0.001	<0.001													
	10/17/06	<0.001	<0.002	<0.003	<0.005	<0.001	<0.005													
	7/19/07	NA	NA	NA	NA	NA	NA													
	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/14/08	NA	0.00058J	<0.005	<0.001	<0.001	<0.001	<0.001												
	8/11/08	NA	0.0015	<0.005	<0.001	<0.001	<0.001	<0.001												
	11/6/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001												
	2/18/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01												
	5/11/09	NA	0.00097J	<0.01	<0.01	<0.005	<0.01	<0.01												
	8/11/09	NA	<b>0.0048J</b>	<0.01	<0.01	<0.005	<0.01	<0.01												
	11/10/09	NA	0.00072J	<0.01	<0.01	<0.005	<0.01	<0.01												
	2/8/10	NA	<0.001	<0.001	<0.01	<0.0005	<0.0005	<0.0005												
	5/12/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01												
	11/4/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01												
5/27/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01													
12/2/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01													
5/22/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01													

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5-Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-1D	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
	8/3/05	<0.001	<0.001	<0.001	NA	<0.001	<0.001													
	10/17/06	<0.001	<0.002	<0.003	<0.005	<0.001	<0.005													
	8/2/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/14/08	NA	0.00056J	<0.005	<0.001	<0.001	<0.001													
	8/11/08	NA	0.0016	<0.005	<0.001	<0.001	<0.001													
	11/6/08	NA	<0.001	<0.005	0.00015J	<0.001	<0.001													
	2/18/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/11/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	8/11/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/10/09	NA	0.00052J	<0.01	<0.01	<0.005	<0.01													
	2/8/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005													
	5/12/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/4/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/27/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
12/2/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
5/22/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
MW-2S	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
MW-2D	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
MW-3S	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
MW-3D	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-4S	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
MW-4D	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
MW-5S	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
MW-5D	7/12-14/00	<0.001	NA	NA	NA	<0.001	NA													
	12/18/02	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
MW-6 WF	5/27/03	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
MW-7 CH	5/27/03	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
MW-8 CH	5/22/03	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
	8/3/05	<0.001	<0.001	<0.001	NA	<0.001	<0.001													
	10/17/06	<0.001	<0.002	<0.003	<0.005	<0.001	<0.005													
	8/3/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/13/08	NA	0.0009J	<0.005	0.00051J	<0.001	<0.001													
	5/11/09	NA	<b>0.0039J</b>	<0.01	<0.01	<0.005	<0.01													
	11/10/09	NA	0.00049J	<0.01	<0.01	<0.005	<0.01													
	5/11/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/22/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-9 WF	5/22/03	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
	8/3/05	<0.001	<0.001	<0.001	NA	<0.001	<0.001													
	10/17/06	<0.001	<0.002	<0.003	<0.005	<0.001	<0.005													
	7/19/07	NA	NA	NA	NA	NA	NA													
	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/13/08	NA	0.00046J	<0.005	<0.001	<0.001	0.00061J													
	5/11/09	NA	0.0024J	<0.01	<0.01	<0.005	<0.01													
	11/10/09	NA	0.0008J	<0.01	<0.01	<0.005	<0.01													
	5/11/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/22/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
MW-10CH	5/27/03	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
	8/3/05	<0.001	<0.001	<0.001	NA	<0.001	<0.001													
	10/17/06	<0.001	<0.002	<0.003	<0.005	<0.001	<0.005													
	8/2/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/13/08	NA	0.00052J	<0.005	<0.001	0.00016J	<0.001													
	5/11/09	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	11/10/09	NA	0.00053J	<0.01	<0.01	<0.005	<0.01													
	5/13/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/22/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-11WF	5/27/03	<0.0005	<0.0005	<0.0005	NA	<0.0005	<0.0005													
	8/3/05	<0.001	<0.001	<0.001	NA	<0.001	<0.001													
	10/17/06	<0.001	<0.002	<0.003	<0.005	<0.001	<0.005													
	7/19/07	NA	NA	NA	NA	NA	NA													
	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/13/08	NA	0.00083J	<0.005	<0.001	<0.001	<0.001													
	5/11/09	NA	0.0016J	<0.01	<0.01	<0.005	<0.01													
	11/10/09	NA	0.0007J	<0.01	<0.01	<0.005	<0.01													
	5/13/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/22/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
MW-12	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/14/08	NA	0.00043J	<0.005	<0.001	<0.001	<0.001													
	8/11/08	NA	0.0027	<0.005	<0.001	<0.001	<0.001													
	11/6/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001													
	2/18/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/11/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	8/12/09	NA	<b>0.0064</b>	<0.01	<0.01	<0.005	<0.01													
	11/10/09	NA	0.00041J	<0.01	<0.01	<0.005	<0.01													
	2/8/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005													
	11/4/10	NA	<0.0005	<0.01	<0.01	<0.0005	<0.01													
	5/27/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/29/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/20/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-13	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/13/08	NA	0.00069J	<0.005	<0.001	<0.001	<0.001													
	5/13/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/10/09	NA	0.00058J	<0.01	<0.01	<0.005	<0.01													
	5/11/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
MW-14	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00036J	<0.005	<0.001	<0.001	<0.001													
	5/12/09	NA	0.0011J	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	0.00051J	<0.01	<0.01	<0.005	<0.01													
	5/11/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
MW-15	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/14/08	NA	0.0005J	<0.005	<0.001	<0.001	<0.001													
	8/11/08	NA	<b>0.0056</b>	0.00063J	<0.001	<0.001	<0.001													
	11/6/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001													
	2/18/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/12/09	NA	<b>0.0031J</b>	<0.01	<0.01	<0.005	<0.01													
	8/13/09	NA	<b>0.0036J</b>	<0.01	<0.01	<0.005	<0.01													
	11/10/09	NA	0.00062J	<0.01	<0.01	<0.005	<0.01													
	2/8/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005													
	5/12/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/4/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/27/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/29/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane														
		[mg/L]																			
MW-16S	10/24/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01														
	5/14/08	NA	0.00055J	<0.005	<0.001	<0.001	<0.001														
	8/12/08	NA	<b>0.0057</b>	<0.005	<0.001	<0.001	<0.001														
	11/6/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001														
	2/18/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
	11/11/09	NA	0.00048J	<0.01	<0.01	<0.005	<0.01														
	2/8/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005														
	5/12/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
	11/3/10	NA	0.0003J	<0.01	<0.01	<0.005	<0.01														
	5/26/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
	12/2/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01															
MW-16D	10/24/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01														
	5/14/08	NA	0.00045J	<0.005	<0.001	<0.001	<0.001														
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
	8/12/09	NA	<b>0.0036J</b>	<0.01	<0.01	<0.005	<0.01														
	11/11/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
	5/12/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
	5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-17S	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00081J	<0.005	<0.001	<0.001	<0.001													
	8/12/08	NA	0.00079J	<0.005	<0.001	<0.001	<0.001													
	11/5/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001													
	2/18/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/12/09	NA	0.00044J	<0.01	<0.01	<0.005	<0.01													
	8/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/11/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	2/8/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005													
	5/12/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/4/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/26/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	12/2/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
MW-17D	10/26/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00052J	<0.005	<0.001	<0.001	<0.001													
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	0.00066J	<0.01	<0.01	<0.005	<0.01													
	5/12/10	NA	<b>0.0032J</b>	<0.01	<0.01	<0.005	<0.01													
5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-18	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00045J	<0.005	<0.001	<0.001	<0.001													
	8/12/08	NA	0.0028	<0.005	<0.001	<0.001	<0.001													
	11/6/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001													
	2/18/09	NA	0.00042J	<0.01	<0.01	<0.005	<0.01													
	5/13/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	8/12/09	NA	<b>0.0065</b>	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	2/8/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005													
	5/10/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/4/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/26/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/29/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
MW-19S	1/23/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00066J	<0.005	<0.001	<0.001	<0.001													
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/12/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	12/2/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-19D	3/13/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00056J	<0.005	<0.001	<0.001	<0.001													
	8/12/08	NA	<b>0.0097</b>	<0.005	<0.001	<0.001	<0.001													
	11/5/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001													
	2/18/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	8/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	2/8/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005													
	5/12/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/3/10	NA	0.00037J	<0.01	<0.01	<0.005	<0.01													
	5/26/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
MW-20	1/23/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00044J	<0.005	<0.001	<0.001	<0.001													
	5/12/09	NA	0.0012J	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/11/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/15/17	NA	<0.00050	<0.0010	<0.0050	<0.00050	<0.00050													
MW-21S	1/23/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00048J	<0.005	<0.001	<0.001	<0.001													
	5/12/09	NA	0.0012J	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/11/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-21D	1/23/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00065J	<0.005	<0.001	<0.001	0.0007J													
	5/12/09	NA	0.0017J	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/11/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/21/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
MW-22S	1/23/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/14/08	NA	0.00048J	<0.005	<0.001	<0.001	<0.001													
	8/12/08	NA	<b>0.0079</b>	0.00054J	<0.001	<0.001	<0.001													
	11/5/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001													
	2/18/09	NA	<b>0.018</b>	<0.01	<0.01	<0.005	<0.01													
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	8/12/09	NA	0.0017J	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	0.00074J	<0.01	<0.01	<0.005	<0.01													
	2/9/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005													
	5/10/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/4/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/26/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/29/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/20/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
11/15/17	NA	<0.00050	<0.0010	<0.0050	<0.00050	<0.00050														
MW-22D	1/24/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/14/08	NA	0.00072J	<0.005	<0.001	<0.001	<0.001													
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	0.00065J	<0.01	<0.01	<0.005	<0.01													
	5/10/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/20/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-23S	1/24/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/14/08	NA	0.00079J	<0.005	<0.001	<0.001	<0.001													
	8/12/08	NA	<b>0.0056</b>	0.00057J	<0.001	<0.001	<0.001													
	11/6/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001													
	2/18/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	8/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	0.00055J	<0.01	<0.01	<0.005	<0.01													
	2/9/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005													
	5/10/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/4/10	NA	0.00058J	<0.01	<0.01	<0.005	<0.01													
	5/26/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/29/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/20/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
MW-23D	1/24/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/14/08	NA	0.00043J	<0.005	<0.001	<0.001	<0.001													
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	0.00075J	<0.01	<0.01	<0.005	<0.01													
	5/10/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/20/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													

**Table 8(1): Analytical Data for Groundwater (User Specified Chemicals)**

**ADT 8(1)**

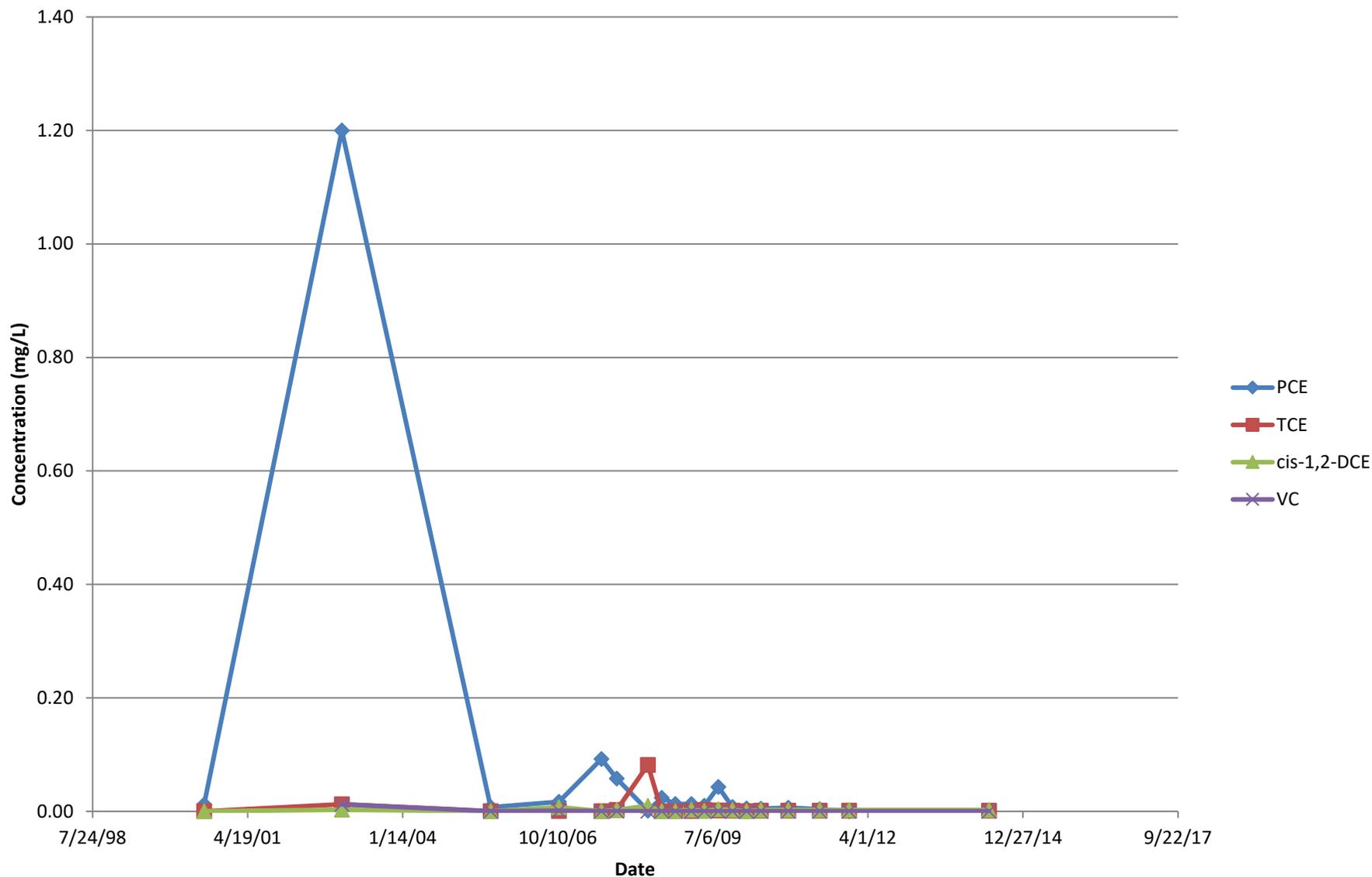
**DSCA ID No.: DC100001**

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,3,5 Trimethylbenzene	Chloromethane	Bromomethane	2-Hexanone	Styrene	Chloroethane													
		[mg/L]																		
MW-24	1/23/08	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/15/08	NA	0.00087J	<0.005	<0.001	<0.001	<0.001													
	8/12/08	NA	0.0013	<0.005	<0.001	<0.001	<0.001													
	11/5/08	NA	<0.001	<0.005	<0.001	<0.001	<0.001													
	2/18/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	8/12/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/13/09	NA	0.00082J	<0.01	<0.01	<0.005	<0.01													
	2/9/10	NA	<0.0005	<0.001	<0.01	<0.0005	<0.0005													
	5/10/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/4/10	NA	0.00031J	<0.01	<0.01	<0.005	<0.01													
	5/26/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/29/11	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
5/20/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01														
MW-25	10/25/07	NA	<0.01	<0.01	<0.01	<0.005	<0.01													
	5/13/08	NA	0.00048J	<0.005	<0.001	<0.001	<0.001													
	5/13/09	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	11/10/09	NA	0.00051J	<0.01	<0.01	<0.005	<0.01													
	5/11/10	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
	5/20/14	NA	<0.005	<0.01	<0.01	<0.005	<0.01													
NC 2L Standard		0.4	0.003	NE	NE	0.07	3													

Notes:  
 1. Bold concentrations indicate an exceedance of Title 15A NCAC 2L .0115 Groundwater Standard (2L Standard) or Interim Maximum Allowable Concentration dated April 2013.  
 2. J denotes estimated concentration between laboratory reporting limit and method detection limit.

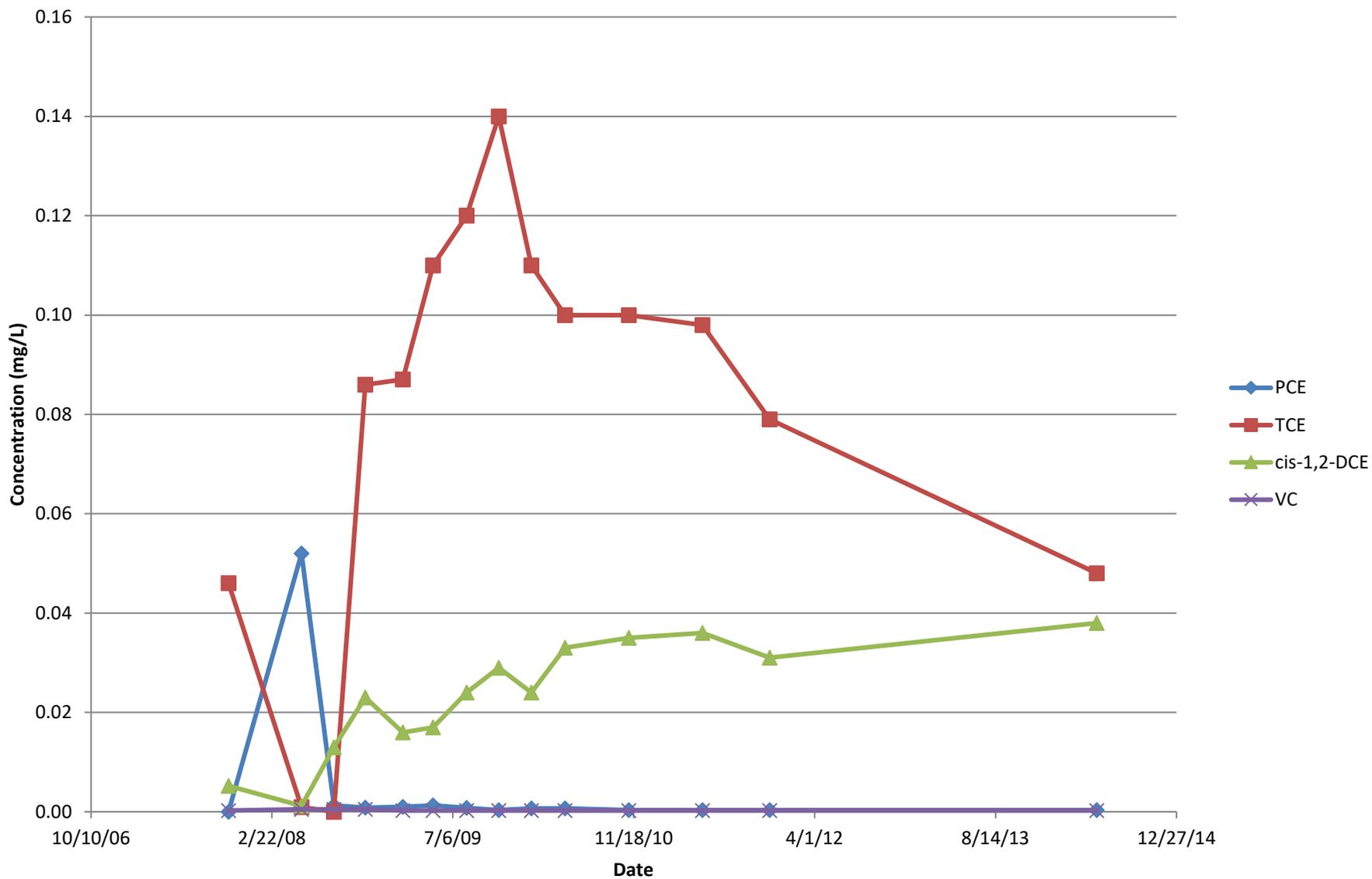


**Concentrations vs. Time - MW-1S**  
**Towngate Cleaners, Southport, Brunswick County**  
**DSCA ID #DC100001**



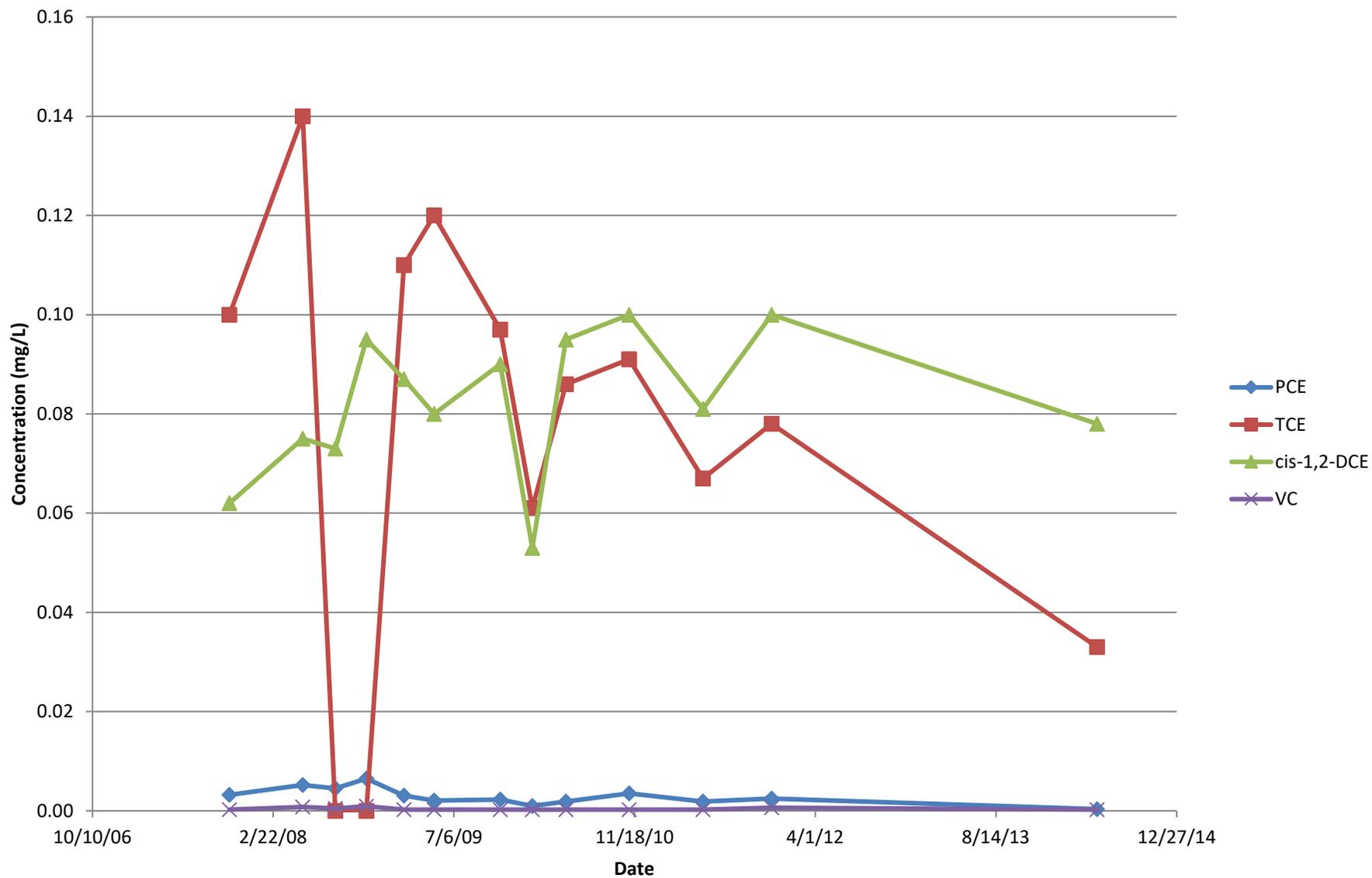
Note: Non-detect values are graphed as half the laboratory reporting limit.

Concentrations vs. Time - MW-15  
Towngate Cleaners, Southport, Brunswick County  
DSCA ID #DC100001



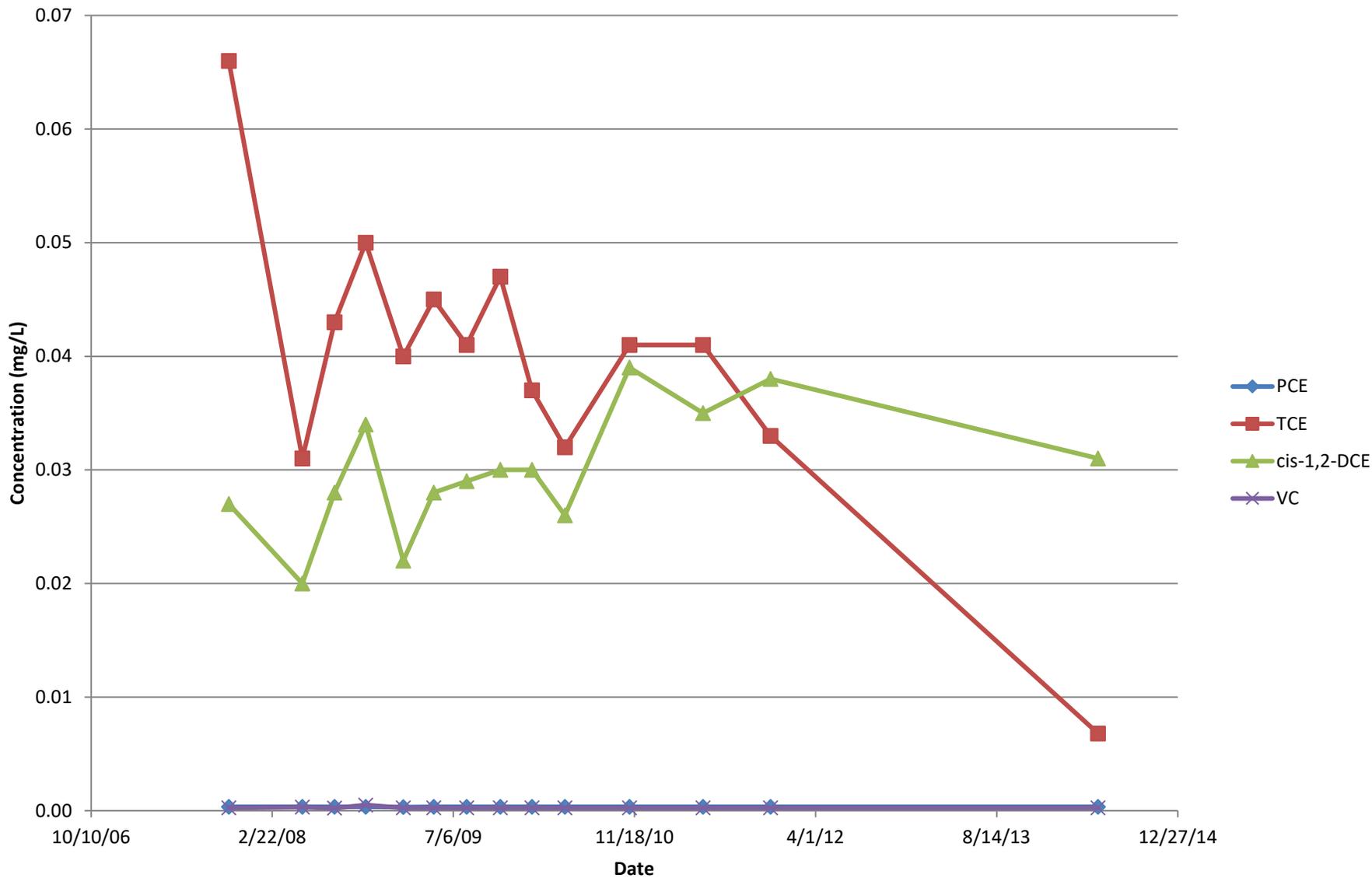
Note: Non-detect values are graphed as half the laboratory reporting limit.

**Concentrations vs. Time - MW-16S**  
**Towngate Cleaners, Southport, Brunswick County**  
**DSCA ID #DC100001**



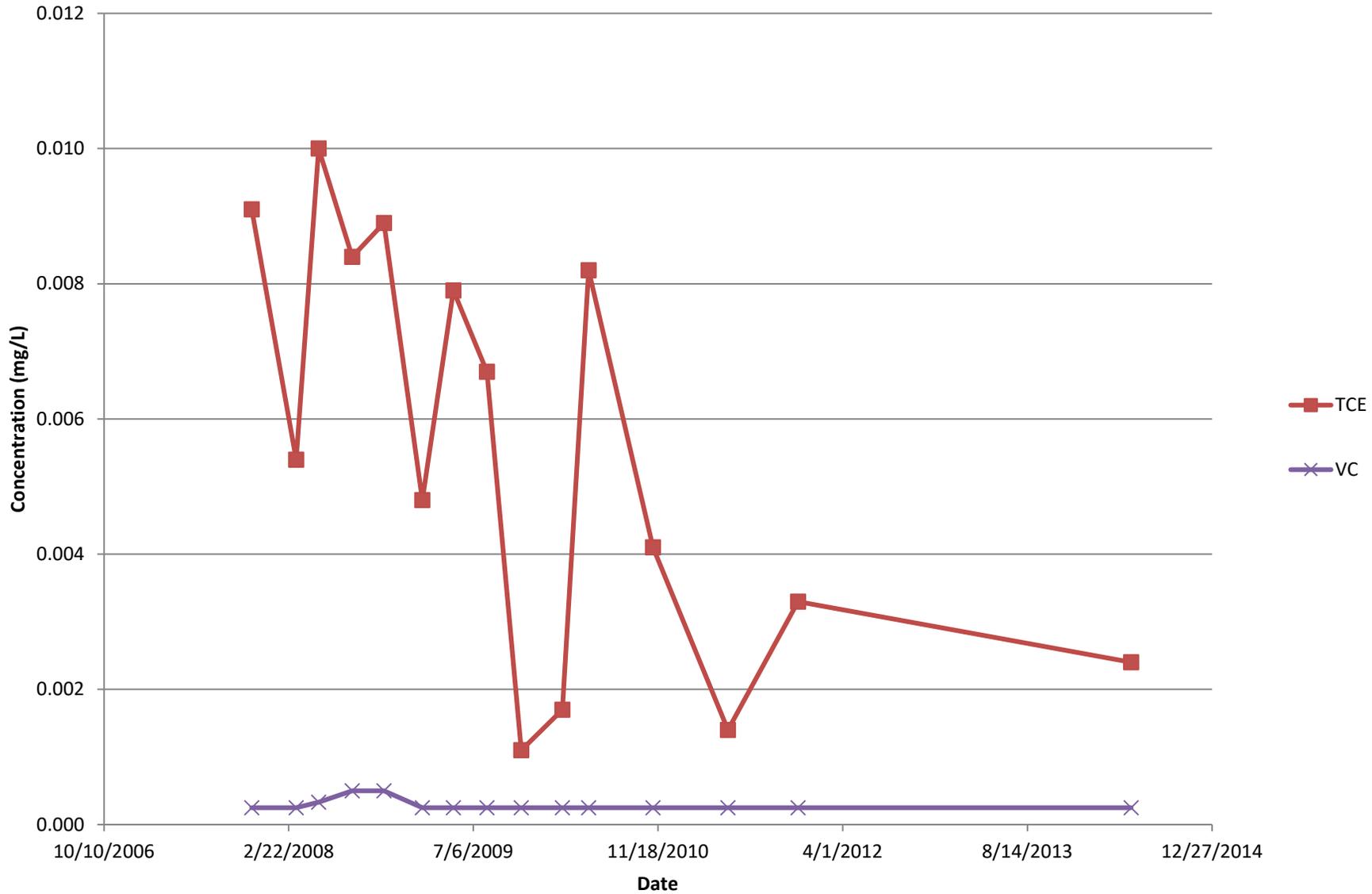
Note: Non-detect values are graphed as half the laboratory reporting limit.

**Concentrations vs. Time - MW-18**  
**Towngate Cleaners, Southport, Brunswick County**  
**DSCA ID #DC100001**



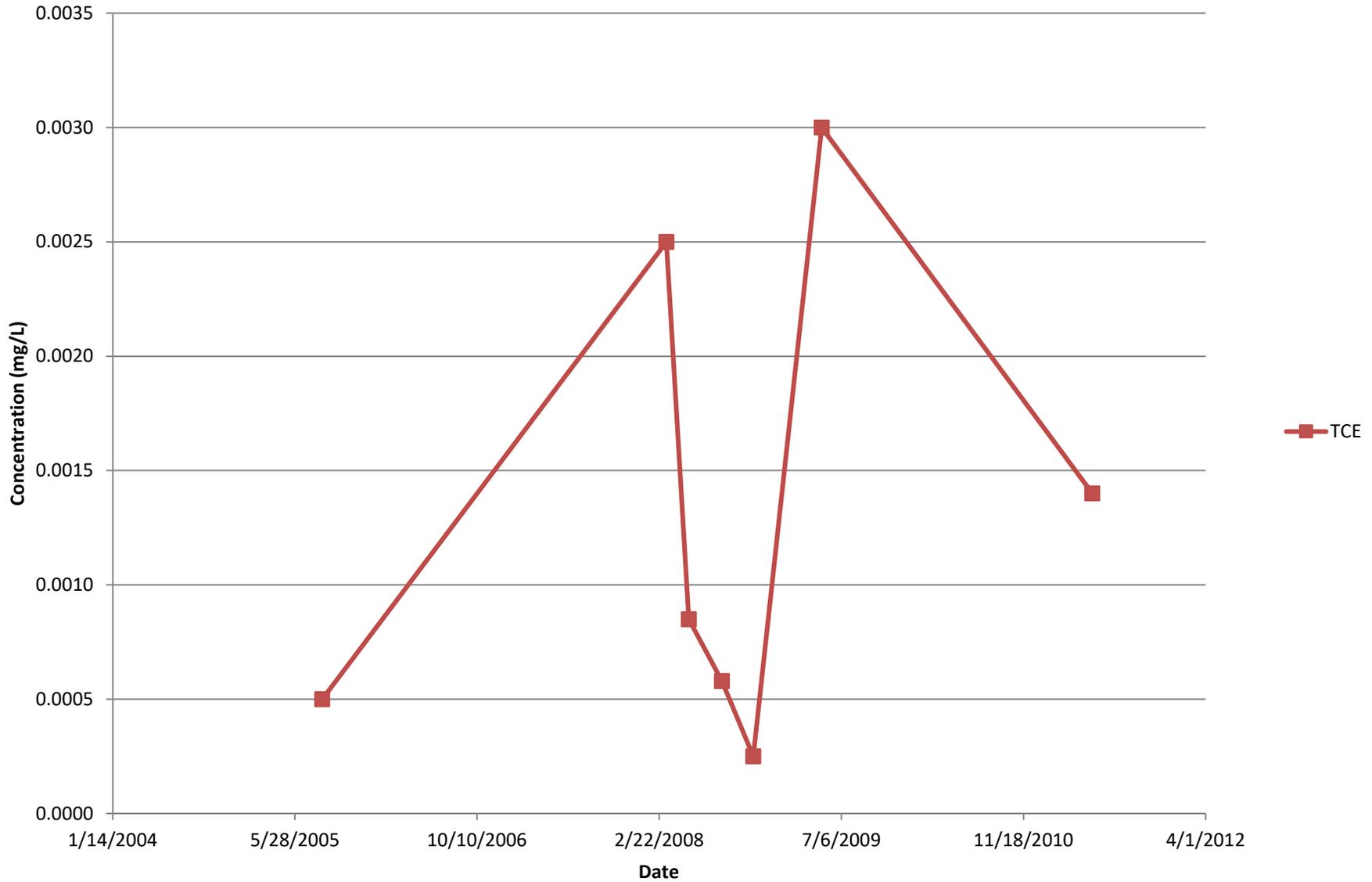
Note: Non-detect values are graphed as half the laboratory reporting limit.

Concentrations vs. Time - 503 N. Atlantic Avenue (PW-A3)  
Towngate Cleaners, Southport, Brunswick County  
DSCA ID #DC100001



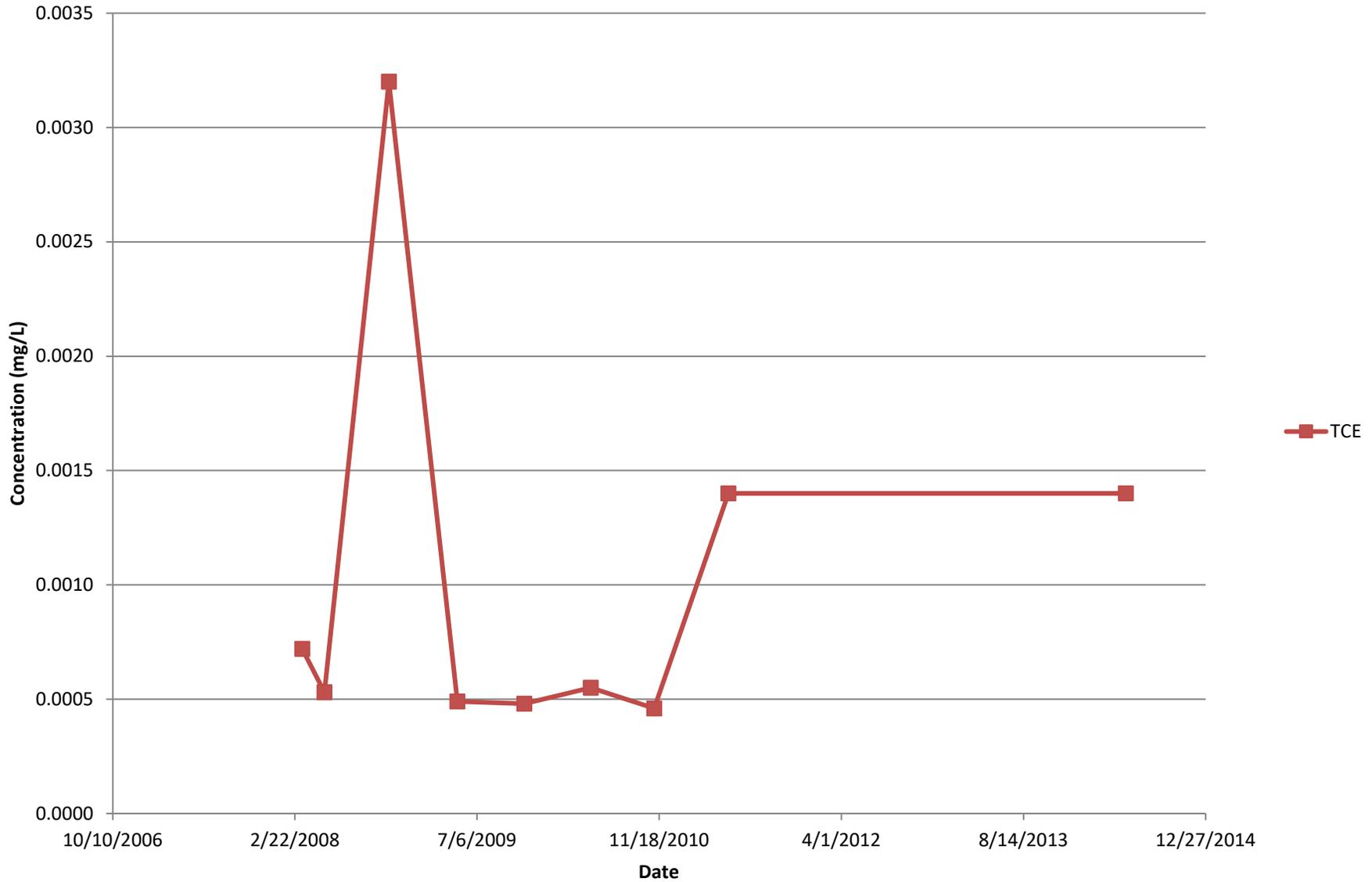
Note: Non-detect values are graphed as half the laboratory reporting limit.

**Concentrations vs. Time - 509 N. Atlantic Avenue (PW-345)  
Towngate Cleaners, Southport, Brunswick County  
DSCA ID #DC10001**



Note: Non-detect values are graphed as half the laboratory reporting limit.

**Concentrations vs. Time - 120 W. West Street (PW-51)  
Towngate Cleaners, Southport, Brunswick County  
DSCA ID #DC100001**



Note: Non-detect values are graphed as half the laboratory reporting limit.



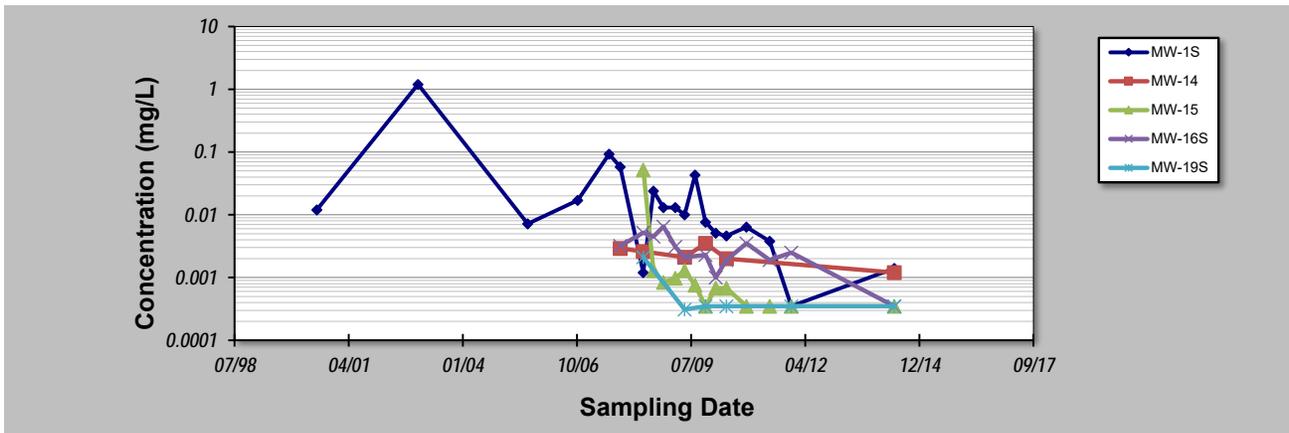
# GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **27-Dec-17**  
 Facility Name: **Towngate Cleaners**  
 Conducted By: **Hart & Hickman, PC**

Job ID: **DC100001**  
 Constituent: **PCE**  
 Concentration Units: **mg/L**

Sampling Point ID: **MW-1S**    **MW-14**    **MW-15**    **MW-16S**    **MW-19S**

Sampling Event	Sampling Date	PCE CONCENTRATION (mg/L)				
1	14-Jul-00	0.012				
2	18-Dec-02	1.2				
3	4-Aug-05	0.0072				
4	17-Oct-06	0.017				
5	19-Jul-07	0.0924				
6	25-Oct-07	0.058	0.0029	0.00082	0.0032	
7	14-May-08	0.0012	0.0026	0.052	0.0052	0.0021
8	11-Aug-08	0.024		0.0013	0.0045	
9	6-Nov-08	0.013		0.00084	0.0065	
10	18-Feb-09	0.013		0.00098	0.0031	
11	11-May-09	0.01	0.0021	0.0013	0.0021	0.00031
12	11-Aug-09	0.043		0.00076		
13	10-Nov-09	0.0076	0.0035	0.00035	0.0023	0.00035
14	8-Feb-10	0.0051		0.00068	0.001	
15	12-May-10	0.0046	0.002	0.00068	0.0019	0.00035
16	4-Nov-10	0.0064		0.00035	0.0035	
17	27-May-11	0.0038		0.00035	0.0019	
18	2-Dec-11	0.00035		0.00035	0.0025	0.00035
19	22-May-14	0.0014	0.0012	0.00035	0.00035	0.00035
20						
Coefficient of Variation:		1.25	0.34	3.07	0.58	1.13
Mann-Kendall Statistic (S):		-54	-9	-69	-39	-1
Confidence Factor:		99.9%	93.2%	>99.9%	99.1%	50.0%
Concentration Trend:		Decreasing	Prob. Decreasing	Decreasing	Decreasing	No Trend



**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

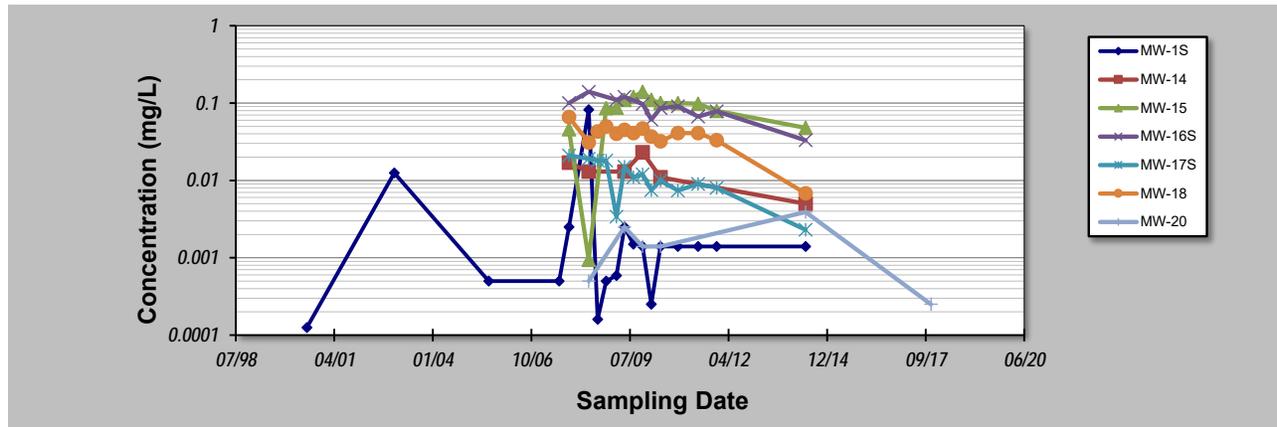
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# GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **27-Dec-17** Job ID: **DC100001**  
 Facility Name: **Towngate Cleaners** Constituent: **TCE**  
 Conducted By: **Hart & Hickman, PC** Concentration Units: **mg/L**

Sampling Point ID: **MW-1S** **MW-14** **MW-15** **MW-16S** **MW-17S** **MW-18** **MW-20**

Sampling Event	Sampling Date	TCE CONCENTRATION (mg/L)						
1	14-Jul-00	0.000125						
2	18-Dec-02	0.0125						
3	4-Aug-05	0.0005						
4	17-Oct-06	0.00089						
5	19-Jul-07	0.0005						
6	25-Oct-07	0.0025	0.017	0.046	0.1	0.021	0.066	
7	14-May-08	0.082	0.013	0.00094	0.14	0.019	0.031	0.0005
8	11-Aug-08	0.00016		0.11	0.13	0.018	0.043	
9	6-Nov-08	0.0005		0.086	0.12	0.018	0.05	
10	18-Feb-09	0.00059		0.087	0.11	0.0034	0.04	
11	11-May-09	0.0025	0.013	0.11	0.12	0.015	0.045	0.0025
12	11-Aug-09	0.0015		0.12		0.011	0.041	
13	10-Nov-09	0.0014	0.023	0.14	0.097	0.012	0.047	0.0014
14	8-Feb-10	0.00025		0.11	0.061	0.0075	0.037	
15	12-May-10	0.0014	0.011	0.1	0.086	0.01	0.032	0.0014
16	4-Nov-10	0.0014		0.1	0.091	0.0074	0.041	
17	27-May-11	0.0014		0.098	0.067	0.009	0.041	
18	2-Dec-11	0.0014		0.079	0.078	0.008	0.033	
19	22-May-14	0.0014	0.005	0.048	0.033	0.0023	0.0068	0.0039
20	15-Nov-17							0.00025
21								
22								
23								
24								
25								
Coefficient of Variation:		3.07	0.44	0.42	0.33	0.51	0.33	0.82
Mann-Kendall Statistic (S):		-7	-8	-5	-50	-62	-36	0
Confidence Factor:		62.6%	89.8%	59.4%	>99.9%	>99.9%	97.3%	39.3%
Concentration Trend:		No Trend	Stable	Stable	Decreasing	Decreasing	Decreasing	Stable



**Notes:**

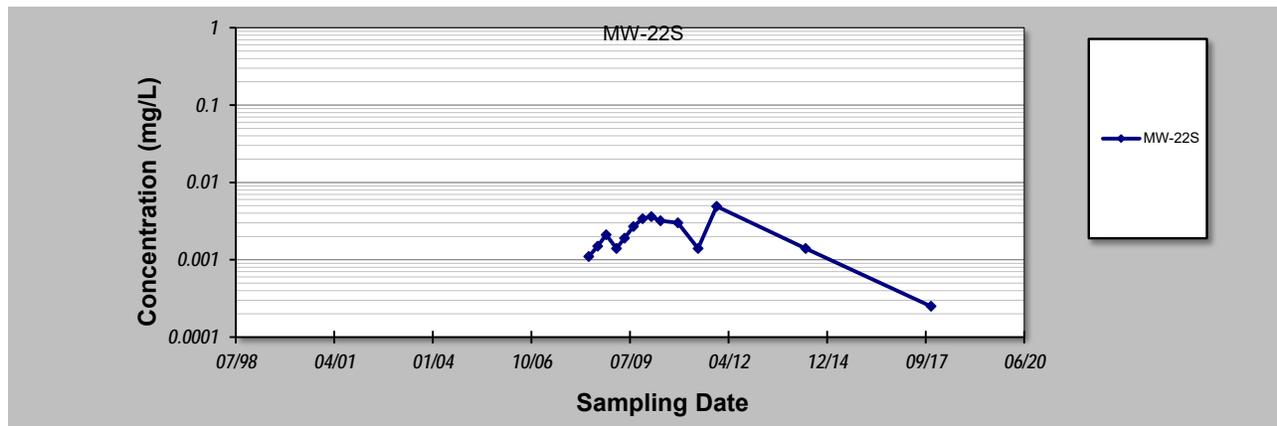
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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# GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: <b>4-Dec-17</b>	Job ID: <b>DC10001</b>
Facility Name: <b>Towngate Cleaners</b>	Constituent: <b>TCE</b>
Conducted By: <b>Hart &amp; Hickman, PC</b>	Concentration Units: <b>mg/L</b>
Sampling Point ID: <b>MW-22S</b>	

Sampling Event	Sampling Date	TCE CONCENTRATION (mg/L)					
1	14-Jul-00						
2	18-Dec-02						
3	4-Aug-05						
4	17-Oct-06						
5	19-Jul-07						
6	25-Oct-07						
7	14-May-08	0.0011					
8	11-Aug-08	0.0015					
9	6-Nov-08	0.0021					
10	18-Feb-09	0.0014					
11	11-May-09	0.0019					
12	11-Aug-09	0.0027					
13	10-Nov-09	0.0034					
14	8-Feb-10	0.0036					
15	12-May-10	0.0032					
16	4-Nov-10	0.003					
17	27-May-11	0.0014					
18	2-Dec-11	0.0049					
19	22-May-14	0.0014					
20	15-Nov-17	0.00025					
21							
22							
23							
24							
25							
Coefficient of Variation:		0.55					
Mann-Kendall Statistic (S):		12					
Confidence Factor:		72.3%					
Concentration Trend:		No Trend					



**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

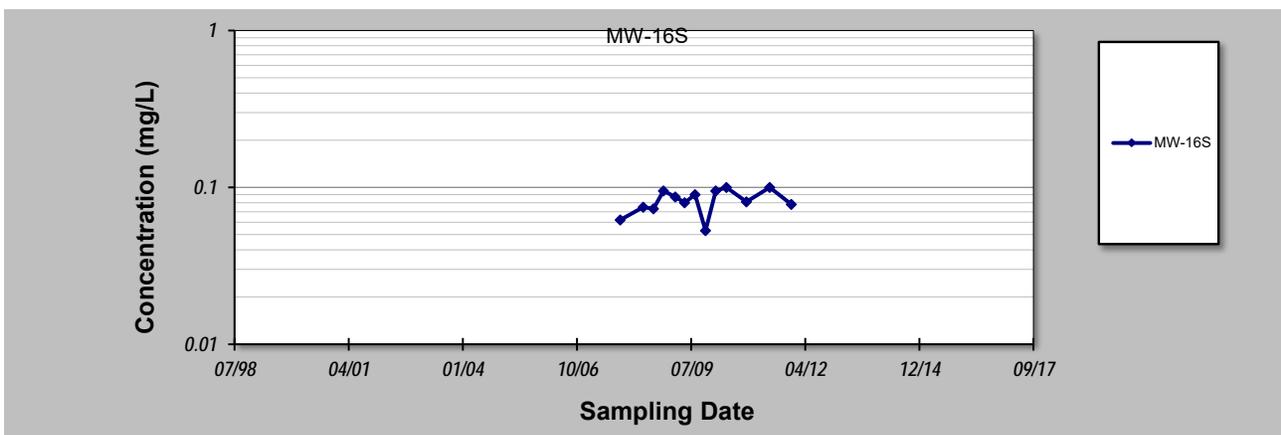
**DISCLAIMER:** The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: <b>13-Oct-17</b>	Job ID: <b>DC100001</b>
Facility Name: <b>Towngate Cleaners</b>	Constituent: <b>cis-1,2-DCE</b>
Conducted By: <b>Hart &amp; Hickman, PC</b>	Concentration Units: <b>mg/L</b>
Sampling Point ID: <b>MW-16S</b>	

Sampling Event	Sampling Date	CIS-1,2-DCE CONCENTRATION (mg/L)					
1	14-Jul-00						
2	18-Dec-02						
3	4-Aug-05						
4	17-Oct-06						
5	19-Jul-07						
6	25-Oct-07	0.062					
7	14-May-08	0.075					
8	11-Aug-08	0.073					
9	6-Nov-08	0.095					
10	18-Feb-09	0.087					
11	11-May-09	0.08					
12	11-Aug-09	0.09					
13	10-Nov-09	0.053					
14	8-Feb-10	0.095					
15	12-May-10	0.1					
16	4-Nov-10	0.081					
17	27-May-11	0.1					
18	2-Dec-11	0.078					
19	22-May-14						
20							

Coefficient of Variation:	0.17
Mann-Kendall Statistic (S):	26
Confidence Factor:	93.6%
Concentration Trend:	Prob. Increasing



**Notes:**

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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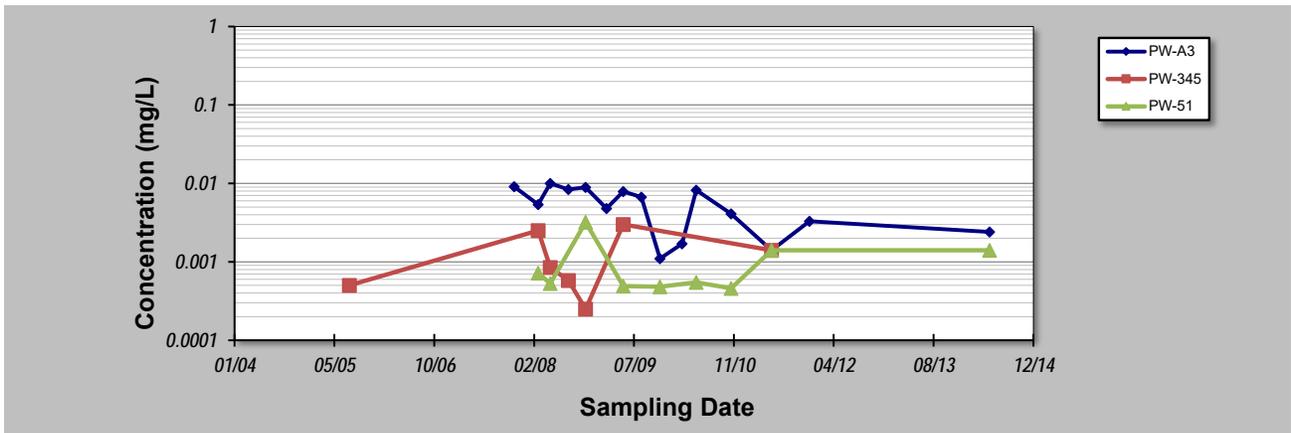
# GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **6-Sep-19**  
 Facility Name: **Towngate Cleaners**  
 Conducted By: **Hart & Hickman, PC**

Job ID: **DC100001**  
 Constituent: **TCE**  
 Concentration Units: **mg/L**

Sampling Point ID: **PW-A3**    **PW-345**    **PW-51**

Sampling Event	Sampling Date	TCE CONCENTRATION (mg/L)					
1	11-Aug-05		0.0005				
2	14-Nov-07	0.0091					
3	13-Mar-08	0.0054	0.0025	0.00072			
4	13-May-08	0.01	0.00085	0.00053			
5	12-Aug-08	0.0084	0.00058				
6	6-Nov-08	0.0089	0.00025	0.0032			
7	18-Feb-09	0.0048					
8	13-May-09	0.0079	0.003	0.00049			
9	12-Aug-09	0.0067					
10	13-Nov-09	0.0011		0.00048			
11	4-Mar-10	0.0017					
12	14-May-10	0.0082		0.00055			
13	4-Nov-10	0.0041		0.00046			
14	26-May-11	0.0014	0.0014	0.0014			
15	2-Dec-11	0.0033					
16	22-May-14	0.0024		0.0014			
17							
18							
19							
20							
Coefficient of Variation:		0.63	0.82	0.88			
Mann-Kendall Statistic (S):		-21	3	-1			
Confidence Factor:		94.0%	61.4%	50.0%			
Concentration Trend:		Prob. Decreasing	No Trend	Stable			



**Notes:**

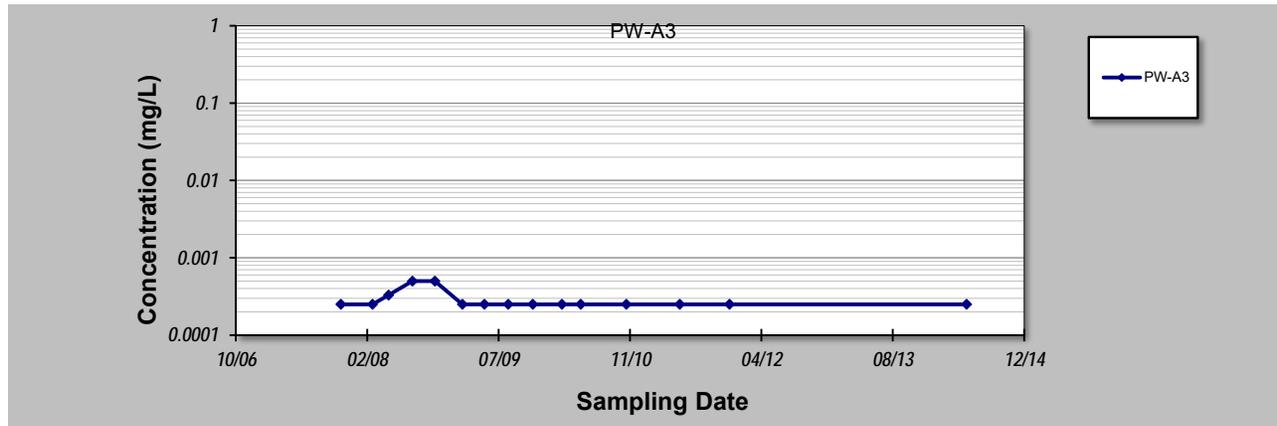
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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# GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: <b>6-Sep-19</b>	Job ID: <b>DC100001</b>
Facility Name: <b>Towngate Cleaners</b>	Constituent: <b>Vinyl Chloride</b>
Conducted By: <b>Hart &amp; Hickman, PC</b>	Concentration Units: <b>mg/L</b>
Sampling Point ID: <b>PW-A3</b>	

Sampling Event	Sampling Date	VINYL CHLORIDE CONCENTRATION (mg/L)					
1	14-Nov-07	0.00025					
2	13-Mar-08	0.00025					
3	13-May-08	0.00033					
4	12-Aug-08	0.0005					
5	6-Nov-08	0.0005					
6	18-Feb-09	0.00025					
7	13-May-09	0.00025					
8	12-Aug-09	0.00025					
9	13-Nov-09	0.00025					
10	4-Mar-10	0.00025					
11	14-May-10	0.00025					
12	4-Nov-10	0.00025					
13	26-May-11	0.00025					
14	2-Dec-11	0.00025					
15	22-May-14	0.00025					
16							
17							
18							
19							
20							
Coefficient of Variation:		0.00					
Mann-Kendall Statistic (S):		0					
Confidence Factor:		45.6%					
Concentration Trend:		Stable					



**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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**Appendix B**  
**Level 1 Ecological Risk Assessment Checklists**

Ecological Risk Assessment – Level 1  
Checklist A – Potential Receptors and Habitat

Site / Location: Towngate Cleaners, 715 North Howe Street, Southport, Brunswick County, NC  
H&H Project No.: DS0-138A  
DSCA Site ID: DC100001

1. Are there navigable water bodies or tributaries to a navigable water body on or within a one-half mile radius of the site?

**Yes**, an unnamed tributary to the Cape Fear River is located approximately 815 feet southeast of the source property. Cottage Creek is located approximately 1,775 feet west of the source property. Cottage Creek discharges into the Intracoastal Waterway, which joins the Cape Fear River near the Atlantic Ocean.

2. Are there any water bodies anywhere on or within one-half mile of the site?

**Yes**, an unnamed tributary to the Cape Fear River is located approximately 815 feet southeast of the source property. Cottage Creek is located approximately 1,775 feet west of the source property.

3. Are there any wetland<sup>1</sup> areas such as marshes or swamps on or within one-half mile of the site?

**Yes**, the areas surrounding the tributary to the Cape Fear River identified in #2 above are also identified as PSS1/2Cd and PFO4Ad wetlands. The areas surrounding Cottage Creek are identified as PFO4Ad and E2EM1Nd wetlands. The PSS1/2Cd wetland areas are described as palustrine system, seasonally flooded, and partially drained/ditched wetlands with scrub-shrub class, deciduous vegetation. The PFO4Ad wetland areas are described as palustrine system, temporarily flooded, and partially drained/ditched wetlands with forested evergreen vegetation. The E2EM1Nd wetland areas are described as intertidal estuarine system, persistent emergent class, regularly flooded, and partially drained/ditched wetlands. Additional wetland areas located 1,925, 2,300, and 2,450 feet to southwest of the source property are identified as PFO1Cd, PFO1F, and PFO4Ad, respectively. These additional wetlands are similar palustrine systems with varying vegetation classes and either seasonally or semi-permanent water regimes. These wetlands were identified on the US Fish and Wildlife Services (USFWS) National Wetlands Inventory.

4. Are there any sensitive environmental areas<sup>2</sup> on or within one-half mile of the site?

**Yes**, surface water bodies are located 815 feet southeast and 1,775 feet west of the source property and wetlands are located 990 feet southeast, 1,980 feet west, and 2,640 feet southwest of the source property.

5. Are there any areas on or within one-half mile of the site owned or used by local tribes?

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<sup>1</sup> Wetlands are defined in 40 CFR 232.2 as “areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances does support, a prevalence of vegetation typically adapted for life in saturated soil conditions.” The sources to make the determination whether or not wetland areas are present may include, but not limited to, national wetland inventory available at <http://nwi.fws.gov>, federal or state agency, and USGS topographic maps.

<sup>2</sup> Areas that provide unique and often protected habitat for wildlife species. These areas are typically used during critical life stages such as breeding, hatching, rearing or young and overwintering. Refer to Attachment 1 for examples of sensitive environments.

**No**, the Native American Consultation Database and the US Department of the Interior's on-line National Atlas do not identify any areas within a one-half mile radius of the source property owned or used by local tribes.

6. Are there any habitat, foraging area, or refuge by rare, threatened, endangered, candidate and/or proposed species (plants and animals), or any otherwise protected species on or within one-half mile of the site?

**Possible**, the US Fish and Wildlife Service lists seven endangered, seven threatened, and one protected species, as well as 42 Federal Species of Concern in Brunswick County. The NC Natural Heritage Program lists, under NC protection status, one area of registered heritage and one area of conservative easement. The US Fish and Wildlife Service Critical Habitat Mapper did not identify critical habitats on or within one-half mile of the source property. The species identified by the US Fish and Wildlife Service are freshwater vertebrates and invertebrates as well as plant life that can be found in and around surface water bodies or wetlands, such as those present within one-half mile of the source property.

7. Are there any breeding, roosting, or feeding areas used by migratory species on or within one-half mile of the site?

**Likely**, highly migratory fish species have been reported in Brunswick County waterways, such as those present within one-half mile of the source property. In addition, estuary wetlands, such as those present to the west of the source property, are typical breeding, roosting, and feeding areas of migratory bird species.

8. Are there any ecologically<sup>3</sup>, recreationally, or commercially important species on or within one-half mile of the site?

**Likely**, recreational fishing is allowed in intracoastal waterways and surface water bodies in the area, such as those present within one-half mile of the source property. Commercial fishing also occurs near Southport, NC, but is unlikely to occur within one-half mile of the source property. Recreational and commercial trapping of crabs and clams also occurs in the area. In addition, the recreational and commercial trapping of nuisance species is possible in Brunswick County and several species, such as the beaver (*Castor canadensis*), are commonly found in North Carolina waterways; however, no information is available on the presence of such species in the vicinity of the source property.

9. Are there any threatened and/or endangered species (plant or animal) on or within one-half mile of the site?

**Possible**, the US Fish and Wildlife Service indicates the presence of the American Alligator (*Alligator mississippiensis*), Green sea turtle (*Chelonia mydas*), Loggerhead sea turtle (*Caretta caretta*), Piping plover (*Charadrius melodus*), Red knot (*Calidrus canutus rufa*), Wood stork (*Mycteria americana*), and Seabeach amaranth (*Amaranthus pumilus*) as threatened and/or endangered species within Brunswick County.

If the answer is "Yes" to any of the above questions, then complete Level 1 Ecological Risk Assessment, Checklist B for Potential Exposure Pathways.

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<sup>3</sup> Ecologically important species include populations of species which provide a critical food resource for higher organisms. Ecologically important species include pest and opportunistic species that populate an area if they serve as a food source for other species, but do not include domesticated animals or plants/animals whose existence is maintained by continuous human interventions.

**Level 1 Ecological Risk Assessment**  
**Checklist B for Potential Exposure Pathways**  
**DSCA ID #DC100001**

1A. Can chemicals associated with the site leach, dissolve, or otherwise migrate to groundwater?

**Yes.** Tetrachloroethylene (PCE) and breakdown products have been detected in groundwater at the site.

1B. Are chemicals associated with the site mobile in groundwater?

**Yes.** Chemical mobility is primarily influenced by the chemical solubility and soil-water partition coefficient. Based on these values, PCE is classified as moderately mobile (Fetter, 1988).

1C. Does groundwater from the site discharge to ecological receptor habitat?

**Yes.** Based on groundwater elevation measurements and areas of contaminant transport, groundwater at the site flows southeast and southwest. The primary ecological receptor habitats are a tributary of the Cape Fear River, which is located approximately 815 feet southeast of the source property, and Cottage Creek, which is located approximately 1,775 feet west of the source property.

**Question 1. Could chemicals associated with the site reach ecological receptors through groundwater?**

**Unlikely.** As discussed above, groundwater at the site flows southeast toward an unnamed tributary to the Cape Fear River and southwest toward Cottage Creek. The chlorinated solvent plume extends in close proximity to the tributary of the Cape Fear River to the southeast; however, surface water samples have been collected from this tributary which indicated no detectable chlorinated solvent impacts. To the west, the plume has been delineated and does not extend in close proximity to Cottage Creek. Furthermore, contaminants are present primarily in the deep zone in the downgradient portion of the plume and contaminants in this zone are unlikely to discharge to surficial water bodies.

2A. Are chemicals present in surface soils on the site?

**Likely.** Surface soil has not been sampled at the site; however, PCE has been historically detected in soil at a depth of 3 feet below ground surface (bgs).

2B. Can chemicals be leached from or be transported by erosion of surface soils on the site?

**No.** The impacted soils are covered by a paved asphalt parking lot.

**Question 2. Could chemicals associated with the site reach ecological receptors through runoff or erosion?**

**No.** The impacted soils are covered by a paved asphalt parking lot which prevents runoff or erosion.

3A. Are chemicals present in surface soil or on the surface of the ground?

**Likely.** Surface soil has not been sampled at the site; however, PCE has been historically detected in soil at a depth of 3 feet bgs.

3B. Are potential ecological receptors on the site?

**No.** The area of impacted soils is covered by a paved asphalt parking lot so ecological receptors are unlikely to be present.

**Question 3. Could chemicals associated with the site reach ecological receptors through direct contact?**

**No.** The area of impacted soils is covered by a paved asphalt parking lot so ecological receptors are unlikely to be present or come into contact with chemicals.

4A. Are chemicals on the site volatile?

**Yes.** PCE is a volatile compound.

4B. Could chemicals on the site be transported in air as dust or particulate matter?

**No.** Impacted soils are covered by a paved asphalt parking lot.

**Question 4. Could chemicals associated with the site reach ecological receptors through inhalation of volatilized chemicals or adhere chemicals to dust in ambient air or in subsurface burrows?**

**No.** Impacted soils are covered by a paved asphalt parking lot.

5A. Is Non-Aqueous Phase Liquids (NAPL) present at the site?

**No.** NAPL has not been encountered at the site.

5B. Is NAPL migrating?

**No.** NAPL has not been encountered at the site.

5C. Could NAPL discharge occur where ecological receptors are found?

**No.** NAPL has not been encountered at the site.

**Question 5. Could chemicals associated with the site reach ecological receptors through migration of NAPL?**

**No.** NAPL has not been encountered at the site.

6A. Are chemicals present in surface and shallow subsurface soils or on the surface of the ground?

**Yes.** Impacted soils have been confirmed at depths between 3 and 10 feet bgs.

6B. Are chemicals found in soil on the site taken up by plants growing on the site?

**No.** Impacted soils are covered by an asphalt paved parking area.

6C. Do potential ecological receptors on or near the site feed on plants (e.g., grasses, shrubs, forbs, trees, etc.) found on the site?

**Unlikely.** Impacted soils are covered by an asphalt paved parking area so no significant vegetation is present.

6D. Do chemicals found on the site bioaccumulate?

**No.** Based on published references (U.S. Agency for Toxic Substances and Disease Registry, 1997), PCE does not significantly bioaccumulate.

**Question 6. Could chemicals associated with the site reach ecological receptors through direct ingestion of soil, plants, animals, or contaminants?**

**No.** Impacted soils are covered by an asphalt paved parking area, the groundwater plume does not intersect surface water, and the constituents of concern do not bioaccumulate. As such, it is unlikely that direct ingestion of plants or animals would occur.

**Attachment 1**  
**Examples of Sensitive Environments**  
**DSCA ID #DC100001**

Examples of environmentally sensitive areas include, but are not limited to, the following:

- National parks and national monuments, *None near site*
- Designated or administratively proposed federal wilderness areas, *None near site*
- National preserved, *None near site*
- National or state wildlife refuges, *None near site*
- National lakeshore recreational areas, *None near site*
- Federal land designated for protection of natural ecosystems, *None near site*
- State land designated for wildlife or game management, *None near site*
- State designated natural areas, *None near site*
- Federal or state designated scenic or wild river, *None near site*
- All areas that provide or could potentially provide critical habitat for state and federally listed threatened or endangered species, those species that are currently petitioned for listing, and species designated by other agencies as sensitive or species of concern, *None near site*
- Marine sanctuary, *None near site*
- Areas identified under the coastal zone management act, *None near site*
- Sensitive areas identified under the national estuary program or near coastal waters program, *None near site*
- Critical areas identified under the clean lakes program, *None near site*
- National seashore recreational area, *None near site*
- Habitat known to be used by federal designated or proposed endangered or threatened species, *Possible habitats in the tributary to the Cape Fear River and Cottage Creek located approximately 815 ft southeast and 1,775 ft west, respectively, of the source property.*
- Unit of coastal barrier resources system, *None near site*
- Coastal barrier (undeveloped), *None near site*

- Spawning areas critical for the maintenance of fish/shellfish species within river, lake, or coastal tidal waters, *Possible habitats in the tributary to the Cape Fear River and Cottage Creek located approximately 815 ft southeast and 1,775 ft west, respectively, of the source property.*
- Migratory pathways and feeding areas critical for maintenance of anadromous fish species within river reaches or areas in lakes or coastal tidal waters in which the fish spend extended periods of time, *Possible habitats in the tributary to the Cape Fear River and Cottage Creek located approximately 815 ft southeast and 1,775 ft west, respectively, of the source property.*
- Terrestrial areas utilized for breeding by large of dense aggregations of animals, *None near site*
- National river reach designated as recreational, *None near site*
- Habitat known to be used by state designated endangered or threatened species, *Possible habitats in the tributary to the Cape Fear River and Cottage Creek located approximately 815 ft southeast and 1,775 ft west, respectively, of the source property.*
- Habitat known to be used by species under review as to its federal endangered or threatened state, *Possible habitats in the tributary to the Cape Fear River and Cottage Creek located approximately 815 ft southeast and 1,775 ft west, respectively, of the source property.*
- Coastal barrier (partially developed), *None near site*
- Particular areas, relatively small in size, important to maintenance of unique biotic communities, *None near site*
- State designated areas for protection or maintenance of aquatic life, and *None near site*
- Wetlands. *Five wetland areas are located between approximately 815 ft and 2,450 ft southeast, southwest, or west of the site.*



October 16, 2017

### Wetlands

- |                                                                                                                    |                                                                                                                       |                                                                                                |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland       |  Lake     |
|  Estuarine and Marine Wetland   |  Freshwater Forested/Shrub Wetland |  Other    |
|                                                                                                                    |  Freshwater Pond                   |  Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.





A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

1000ft

# Endangered Species, Threatened Species, Federal Species of Concern, and Candidate Species,

## Brunswick County, North Carolina



Note: Marine Threatened and Endangered Species information can be found at the [National Marine Fisheries Service \(NMFS\) Endangered and Threatened Species website](#)

Updated: 3-25-2015

### Critical Habitat Designations:

Piping plover - *Charadrius melodus* - See the Federal Register for a description of the primary constituent elements essential for the conservation of wintering piping plovers within the designated units. This document also contains a map and a description of each designated unit.

Federal Register Reference: July 10, 2001, Federal Register, 66:36038-36136.

Loggerhead Sea Turtle - *Caretta caretta* - See the Federal Register for a description of the primary constituent elements essential for the conservation of nesting Loggerhead sea turtles within the designated units. This document also contains a map and a description of each designated unit.

Federal Register Reference: July 10, 2014, Federal Register, 79:51264-51266

Common Name	Scientific name	Federal Status	Record Status
Vertebrate:			
<a href="#">American alligator</a>	<i>Alligator mississippiensis</i>	T (S/A)	Current
American eel	<i>Anguilla rostrata</i>	FSC	Current
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC	Current
<a href="#">Bald eagle</a>	<i>Haliaeetus leucocephalus</i>	BGPA	Current
Black-throated green warbler	<i>Dendroica virens waynei</i>	FSC	Current
Broadtail madtom	<i>Noturus sp. cf. leptacanthus</i>	FSC	Current
Carolina gopher frog	<i>Rana capito capito</i>	FSC	Current
Carolina pygmy sunfish	<i>Elassoma boehlkei</i>	FSC	Current
Eastern Henslow's sparrow	<i>Ammodramus henslowii susurrans</i>	FSC	Current

Eastern painted bunting	<i>Passerina ciris ciris</i>	FSC	Current
<a href="#">Green sea turtle</a>	<i>Chelonia mydas</i>	T	Current
<a href="#">Hawksbill (=carey) sea turtle</a>	<i>Eretmochelys imbricata</i>	E	Historic
<a href="#">Kemp's (=Atlantic) ridley sea turtle</a>	<i>Lepidochelys kempii</i>	E	Current
<a href="#">Leatherback sea turtle</a>	<i>Dermochelys coriacea</i>	E	Current
<a href="#">Loggerhead sea turtle</a>	<i>Caretta caretta</i>	T	Current
Mimic glass lizard	<i>Ophisaurus mimicus</i>	FSC	Current
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC	Current
<a href="#">Piping plover</a>	<i>Charadrius melodus</i>	T	Current
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC	Current
<a href="#">Red-cockaded woodpecker</a>	<i>Picoides borealis</i>	E	Current
<a href="#">Red knot</a>	<i>Calidris canutus rufa</i>	T	Current
Southern hognose snake	<i>Heterodon simus</i>	FSC	Current
<a href="#">West Indian manatee</a>	<i>Trichechus manatus</i>	E	Current
<a href="#">Wood stork</a>	<i>Mycteria americana</i>	T	Current
Invertebrate:			
Buchholz's dart moth	<i>Agrotis buchholzi</i>	FSC	Current
Cape Fear threetooth	<i>Triodopsis soelneri</i>	FSC	Current
Carter's noctuid moth	<i>Spartiniphaga carterae</i>	FSC	Current
Eastern beard grass skipper	<i>Atrytone arogos arogos</i>	FSC	Obscure
Greenfield rams-horn	<i>Helisoma eucosmium</i>	FSC	Current
Loammi skipper	<i>Atrytonopsis loammi</i>	FSC	Historic
Magnificent rams-horn	<i>Planorbella magnifica</i>	FSC	Current
Rare skipper	<i>Problema bulenta</i>	FSC	Historic
Venus flytrap cutworm	<i>Hemipachnobia subporphyrea</i>	FSC	Current
Waccamaw spike	<i>Elliptio waccamawensis</i>	FSC	Current
Vascular Plant:			
Awnead meadowbeauty	<i>Rhexia aristosa</i>	FSC	Historic
Carolina atamasco lily	<i>Zephyranthes simpsonii</i>	FSC	Current
Carolina bishopweed	<i>Ptilimnium ahlesii</i>	FSC	Current
Carolina bogmint	<i>Macbridea caroliniana</i>	FSC	Current
Carolina grass-of-parnassus	<i>Parnassia caroliniana</i>	FSC	Current
Carolina lead-plant	<i>Amorpha georgiana</i> var. <i>confusa</i>	FSC	Current
Coastal beaksedge	<i>Rhynchospora pleiantha</i>	FSC	Current
Coastal goldenrod	<i>Solidago villosicarpa</i>	FSC	Current
<a href="#">Cooley's meadowrue</a>	<i>Thalictrum cooleyi</i>	E	Current
Dune blue curls	<i>Trichostema</i> sp. 1	FSC	Current
Grassleaf arrowhead	<i>Sagittaria weatherbiana</i>	FSC	Historic
Harper's fimbristylis	<i>Fimbristylis perpusilla</i>	FSC	Current
Large-leaved Grass-of-Parnassus	<i>Parnassia grandifolia</i>	FSC	Current
Loose watermilfoil	<i>Myriophyllum laxum</i>	FSC	Current
Pickering's daffodil	<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	FSC	Historic
Pineland plantain	<i>Plantago sparsiflora</i>	FSC	Current

Pondspice	<i>Litsea aestivalis</i>	FSC	Current
Purple balduina	<i>Balduina atropurpurea</i>	FSC	Historic
Raven's boxseed	<i>Ludwigia ravenii</i>	FSC	Historic
<a href="#">Rough-leaved loosestrife</a>	<i>Lysimachia asperulaefolia</i>	E	Current
Savanna onion	<i>Allium</i> sp. 1	FSC	Current
<a href="#">Seabeach amaranth</a>	<i>Amaranthus pumilus</i>	T	Current
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC	Current
Swamp forest beakrush	<i>Rhynchospora decurrens</i>	FSC	Current
Thorne's beakrush	<i>Rhynchospora thornei</i>	FSC	Current
Tough bumelia	<i>Sideroxylon tenax</i>	FSC	Current
Venus' fly-trap	<i>Dionaea muscipula</i>	FSC	Current
Wireleaf dropseed	<i>Sporobolus teretifolius</i> sensu stricto	FSC	Current
a quillwort	<i>Isoetes microvela</i>	FSC	Current
Nonvascular Plant:			
Savanna campylopus	<i>Campylopus carolinae</i>	FSC	Current
Lichen:			

#### Definitions of Federal Status Codes:

E = endangered. A taxon "in danger of extinction throughout all or a significant portion of its range."

T = threatened. A taxon "likely to become endangered within the foreseeable future throughout all or a significant portion of its range."

C = candidate. A taxon under consideration for official listing for which there is sufficient information to support listing. (Formerly "C1" candidate species.)

BGPA =Bald and Golden Eagle Protection Act. See below.

FSC=Federal Species of Concern. FSC is an informal term. It is not defined in the federal Endangered Species Act. In North Carolina, the Asheville and Raleigh Field Offices of the US Fish and Wildlife Service (Service) define Federal Species of Concern as those species that appear to be in decline or otherwise in need of conservation and are under consideration for listing or for which there is insufficient information to support listing at this time.Subsumed under the term "FSC" are all species petitioned by outside parties and other selected focal species identified in Service strategic plans, State Wildlife Action Plans, or Natural Heritage Program Lists.

T(S/A) = threatened due to similarity of appearance. A taxon that is threatened due to similarity of appearance with another listed species and is listed for its protection. Taxa listed as T(S/A) are not biologically endangered or threatened and are not subject to Section 7 consultation. See below.

EXP = experimental population. A taxon listed as experimental (either essential or nonessential). Experimental, nonessential populations of endangered species (e.g., red wolf) are treated as threatened species on public land, for consultation purposes, and as species proposed for listing on private land.

P = proposed. Taxa proposed for official listing as endangered or threatened will be noted as "PE" or "PT", respectively.

#### Bald and Golden Eagle Protection Act (BGPA):

In the July 9, 2007 Federal Register( 72:37346-37372), the bald eagle was declared recovered, and removed (delisted) from the Federal List of Threatened and Endangered wildlife. This delisting took effect August 8,2007.

After delisting, the Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668-668d) becomes the primary law protecting bald eagles. The Eagle Act prohibits take of bald and golden eagles and provides a statutory definition of "take" that includes "disturb". The USFWS has developed National Bald Eagle Management Guidelines to provide guidance to land managers, landowners, and others as to how to avoid disturbing bald eagles. For mor information, visit <http://www.fws.gov/migratorybirds/baldeagle.htm>

Threatened due to similarity of appearance(T(S/A)):

In the November 4, 1997 Federal Register (55822-55825), the northern population of the bog turtle (from New York south to Maryland) was listed as T (threatened), and the southern population (from Virginia south to Georgia) was listed as T(S/A) (threatened due to similarity of appearance). The T(S/A) designation bans the collection and interstate and international commercial trade of bog turtles from the southern population. The T(S/A) designation has no effect on land management activities by private landowners in North Carolina, part of the southern population of the species. In addition to its official status as T(S/A), the U.S. Fish and Wildlife Service considers the southern population of the bog turtle as a Federal species of concern due to habitat loss.

Definitions of Record Status:

Current - the species has been observed in the county within the last 50 years.

Historic - the species was last observed in the county more than 50 years ago.

Obscure - the date and/or location of observation is uncertain.

Incidental/migrant - the species was observed outside of its normal range or habitat.

Probable/potential - the species is considered likely to occur in this county based on the proximity of known records (in adjacent counties), the presence of potentially suitable habitat, or both.

**Appendix C**

**Notice of Dry-Cleaning Solvent Remediation and Survey Plat**

**Source Property: Towngate Crossing POA, Inc., PIN 209611658320**

## NOTICE OF DRY-CLEANING SOLVENT REMEDIATION

Property Owner: Towngate Crossing POA, Inc.  
Recorded in Book \_\_\_\_\_, Page \_\_\_\_\_  
Associated plat recorded in Plat Book \_\_\_\_\_, Page \_\_\_\_\_

This documentary component of a Notice of Dry-Cleaning Solvent Remediation (hereinafter "Notice") is hereby recorded on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_ by Towngate Crossing POA, Inc. (hereinafter "Property Owner"). The survey plat component of the Notice is being recorded concurrently with this documentary component. The real property (hereinafter "Property") which is the subject of this Notice is located at 715 North Howe Street, Southport, Brunswick County, North Carolina, Parcel Identification Number (PIN) 209611658320.

The Property is contaminated with dry-cleaning solvent, as defined at North Carolina General Statutes (hereinafter "N.C.G.S."), Section (hereinafter "§") 143-215.104B(b)(9) and other contaminants, and is one of 237 parcels that make up the dry-cleaning solvent contamination site (hereinafter "Contamination Site"). This Notice has been approved by the North Carolina Department of Environmental Quality, or its successor in function (hereinafter "DEQ") under the authority of the Dry-Cleaning Solvent Cleanup Act of 1997, as amended, N.C.G.S. § 143-215.104A *et seq.* (hereinafter "DSCA"), and is required to be filed in the Register of Deeds' Office in the county or counties in which the land is located, pursuant to NCGS § 143-215.104M. A Notice will be recorded separately in each chain of title of the Contamination Site.

Soil and groundwater at the Property are contaminated with dry-cleaning solvents associated with dry-cleaning operations at the former Towngate Cleaners (DSCA Site ID DC100001) located at 715 North Howe Street, Southport. Dry-cleaning operations were conducted on the Property from approximately the mid-1970s to early 1990s.

Pursuant to N.C.G.S. § 143-215.104M, this Notice is being filed in order to reduce or eliminate the danger to public health or the environment posed by the Property. Attached hereto as **Exhibit A** is a reduction, to 8 1/2" x 11", of the survey plat component of the Notice required by N.C.G.S. § 143-215.104M. The survey plat has been prepared and certified by a professional land surveyor and meets the requirements of G.S. 47-30, and contains the following information required by N.C.G.S. § 143-215.104M:

- (1) A description of the location and dimensions of the areas of potential environmental concern with respect to permanently surveyed benchmarks; and
- (2) The type, location and quantity of regulated dry-cleaning solvent contamination and other contaminants known to exist on the Property.

Attached hereto as **Exhibit B**, is a legal description of the Property that would be sufficient as a description in an instrument of conveyance.

Pursuant to NCGS § 143-215.104M, a certified copy of this Notice must be filed within 15 days of receipt of DEQ's approval of the Notice or the effective date of the dry-cleaning solvent remediation agreement, whichever is later. Pursuant to NCGS § 143-215.104M, the copy of the Notice certified by DEQ must be recorded in the grantor index under the names of the owners of the land.

### LAND-USE RESTRICTIONS

NCGS § 143-215.104M requires that the Notice identify any restrictions on the current and future use of the Property that are necessary or useful to maintain the level of protection appropriate for the designated current or future use of the Property and that are designated in the dry-cleaning remediation agreement. The restrictions shall remain in force in perpetuity unless canceled by the Secretary of DEQ, or his/her designee, after the hazards have been eliminated, pursuant to NCGS §143-215.104M. Those restrictions are hereby imposed on the Property, and are as follows:

1. Without prior written approval from DEQ, the Property shall not be used for:
  - a. child care centers or schools; or
  - b. mining or extraction of coal, oil, gas or any mineral or non-mineral substances.
2. No activities that encounter, expose, remove or use groundwater (for example, installation of water supply wells, fountains, ponds, lakes or swimming pools that use groundwater, or construction or excavation activities that encounter or expose groundwater) may occur on the Property without prior approval of DEQ.
3. Soil in **Area A** may not be removed or disturbed unless approved in writing in advance by DEQ or its successor in function, except for routine landscape maintenance and emergency utility repair. In the event of emergency utility repair, DEQ shall be given written notice of any such emergency repair no later than the next business day, and further related assessment and remedial measures may be required.
4. Except for routine maintenance, no construction activities or change in property use that cause or create an unacceptable human health risk from vapor intrusion may occur on the Property without prior approval of DEQ. These activities include but are not limited to: construction of new buildings, removal and construction of part of a building, construction of sub-grade structures that encounter contaminated soil or places building users in close proximity to contaminated groundwater, change from non-residential to residential property, change in tenant space usage, and addition of residential property use on higher floors.
5. Structural modifications that may cause or create an increased risk from vapor intrusion require the property owner to demonstrate to the satisfaction of DEQ that the indoor air in the structure does not pose an unacceptable risk to the occupants following modifications.

These modifications include but are not limited to: modification or replacement of heating, ventilation or air conditioning (HVAC) systems, removal or replacement of the building slab, installation of multiple conduits or piping through the building slab, modifications to building walls or ceilings that may change air flow.

6. No activities that cause or create an increase in infiltration (for example, removal or demolition of materials such as asphalt, concrete, buildings, or other structures that by their use and nature minimize infiltration of rain or water runoff into potentially contaminated soil) may occur in **Area A** of the Property, as shown on Exhibit A, without prior approval of DEQ.
7. In January of each year, on or before January 31<sup>st</sup>, the owner of any portion of the Property shall submit a notarized Annual Certification of Land-Use Restrictions to DEQ certifying that this Notice remains recorded at the Register of Deeds' office, and that the land-use restrictions are being complied with.
8. No person conducting environmental assessment or remediation at the Property or involved in determining compliance with applicable land-use restrictions, at the direction of, or pursuant to a permit or order issued by DEQ may be denied access to the Property for the purpose of conducting such activities.
9. The owner of any portion of the Property shall cause the instrument of any sale, lease, grant, or other transfer of any interest in the property to include a provision expressly requiring the lessee, grantee, or transferee to comply with this Notice. The failure to include such a provision shall not affect the validity or applicability of any land-use restriction in this Notice.

### **RIGHT OF ENTRY**

The property owner grants and conveys to DEQ, its agents, contractors, and employees, and any person performing pollution remediation activities under the direction of DEQ, access at reasonable times and under reasonable security requirements to the Property to determine and monitor compliance with the land-use restrictions set forth in this Notice. Such investigations and actions are necessary by DEQ to ensure that use, occupancy, and activities of and at the Property are consistent with the land-use restrictions and to ensure that the structural integrity and continued effectiveness of any engineering controls (if appropriate) described in the Notice are maintained. Whenever possible, at least 48 hours advance notice will be given to the Property Owner prior to entry. Advance notice may not always be possible due to conditions such as response time to complaints and emergency situations.

## **REPRESENTATIONS AND WARRANTIES**

The Property Owner hereby represents and warrants to the other signatories hereto:

- i) that the Property Owner is the sole owner of the Property; **or** that the Property Owner has provided to DEQ the names of all other persons that own an interest in or hold an encumbrance on the Property and have notified such persons of the Property Owner's intention to enter into this Notice;
- ii) that the Property Owner has the power and authority to enter into this Notice, to grant the rights and interests herein provided and to carry out all obligations hereunder; and
- iii) that this Notice will not materially violate or contravene or constitute a material default under any other agreement, document or instrument to which the Property Owner is a party or by which the Property Owner may be bound or affected.

## **ENFORCEMENT**

The above land-use restrictions shall be enforceable without regard to lack of privity of estate or contract, lack of benefit to particular land, or lack of any property interest in particular land. The land-use restrictions shall be enforced by any owner of the Property. The land-use restrictions may also be enforced by DEQ through the remedies provided in NCGS § 143-215.104P or by means of a civil action; by any unit of local government having jurisdiction over any part of the Property; and by any person eligible for liability protection under the DSCA who will lose liability protection if the restrictions are violated. Any attempt to cancel any or all of this Declaration without the approval of the Secretary of DEQ (or its successor in function), or his/her delegate, shall be subject to enforcement by DEQ to the full extent of the law. Failure by any party required-or authorized to enforce any of the above restrictions shall in no event be deemed a waiver of the right to do so thereafter as to the same violation or as to one occurring prior or subsequent thereto.

If a land-use restriction set out in this Notice required under NCGS § 143-215.104.M is violated, the owner of the Property at the time the land-use restriction is violated, the owner's successors and assigns, and the owner's agents who direct or contract for alteration of the contamination site in violation of a land-use restriction shall be liable for remediation of all contaminants to unrestricted use standards.

## **FUTURE SALES, LEASES, CONVEYANCES AND TRANSFERS**

When any portion of the Property subject to this Notice is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall contain in the description section, in no smaller type than that used in the body of the deed or instrument, (1) a statement that the property has been contaminated with dry-cleaning solvent and, if appropriate, cleaned up under the Act and (2) a reference by book and page to the recordation of this Notice.

The Property Owner shall notify DEQ within fourteen (14) calendar days of the effective date of any conveyance, grant, gift, or other transfer, whole or in part, of the Property Owner's interest in the Property. This notification shall include the name, business address and phone number of the transferee and the expected date of transfer.

The Property Owner shall notify DEQ within thirty (30) days following the petitioning or filing of any document by any person initiating a rezoning of the Property that would change the base zone of the Property.

This provision shall not apply to leases that do not provide for the right to take actions that would violate the prohibitions and restrictions of this Notice.

**PROPERTY OWNER SIGNATURE**

IN WITNESS WHEREOF, Property Owner has caused this instrument to be duly executed this \_\_\_ day of \_\_\_\_\_, 20\_\_.

Towngate Crossing POA, Inc.

By:

\_\_\_\_\_  
Name of contact

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, a Notary Public of the county and state aforesaid, certify that \_\_\_\_\_ personally came before me this day and acknowledged that he/she is a Member of Towngate Crossing POA, Inc, a North Carolina company, and its Manager, and that by authority duly given and as the act of the company, the foregoing Notice of Dry-Cleaning Solvent Remediation was signed in its name by him.

WITNESS my hand and official stamp or seal, this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Name typed or printed  
Notary Public

My Commission expires: \_\_\_\_\_  
[Stamp/Seal]

**APPROVAL AND CERTIFICATION**

The foregoing Notice of Dry-Cleaning Solvent Remediation is hereby approved and certified.

North Carolina Department of Environmental Quality

By: \_\_\_\_\_  
Delonda Alexander  
Special Remediation Branch Manager, Superfund Section  
Division of Waste Management

\_\_\_\_\_  
Date

**LIMITED POWER OF ATTORNEY**

I \_\_\_\_\_ “Property Owner”, do hereby grant a limited power of attorney to DEQ and to DEQ’s independent contractors, as follows:

**DEQ and DEQ’s independent contractors shall have the limited power of attorney to record this Notice, including its documentary and survey plat components, in accordance with N.C.G.S. § 143-215.104M on my “Property Owner” behalf. This limited power of attorney shall terminate upon completion of the recordation of the Notice.**

Signature of Property Owner \_\_\_\_\_

Dated this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, a Notary Public, do hereby certify that \_\_\_\_\_ personally appeared before me this day and signed this “Limited Power of Attorney”.

WITNESS my hand and official stamp or seal, this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

\_\_\_\_\_  
Name typed or printed  
Notary Public

My Commission expires: \_\_\_\_\_  
[Stamp/Seal]



**EXHIBIT A**

**REDUCTION OF SURVEY PLAT**

**NOTES:**

- NO TITLE REPORT FURNISHED.
- AREAS COMPUTED BY COORDINATE METHOD.
- PROPERTY SHOWN HEREON IS SUBJECT TO ALL RIGHTS-OF-WAY, EASEMENTS AND RESTRICTIONS OF RECORD.
- ALL DISTANCES SHOWN ON SURVEY ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
- NC GRID COORDINATES (NAD83) OBTAINED BY USING GPS, PER THE NCVRS NETWORK.
- BASIS OF BEARING SHOWN HEREON IS NC GRID (NAD 83 NSRS 2011).
- VERTICAL DATUM SHOWN HEREON IS NAVD88.
- THE PROPERTY SHOWN HEREON IS LOCATED IN FLOODZONE "ZONE X", AREA OF MINIMAL FLOODING, PER FLOOD INSURANCE RATE MAP 3720209600K, PANEL 2096, PANEL EFFECTIVE DATE AUGUST 28, 2018.
- THE PROPERTY SHOWN HEREON IS LOCATED IN FLOODZONE "ZONE 0.2%", AREA OF 0.2% CHANCE OF FLOODING, PER FLOOD INSURANCE RATE MAP 3720209600K, PANEL 2096, PANEL EFFECTIVE DATE AUGUST 28, 2018.
- THE PROPERTY SHOWN HEREON IS LOCATED IN FLOODZONE "ZONE AE", AREA OF 1% CHANCE OF FLOODING, PER FLOOD INSURANCE RATE MAP 3720209600K, PANEL 2096, PANEL EFFECTIVE DATE AUGUST 28, 2018.
- THE AREAS AND TYPE OF CONTAMINATION DEPICTED UPON THE MAP ARE APPROXIMATIONS DERIVED FROM THE BEST AVAILABLE INFORMATION AT THE TIME OF FILING.
- MONITORING WELLS SHOWN ON THE PLAT WERE LOCATED BY THE STATIC-METHOD.
- MONITORING WELL ELEVATIONS ARE TO THE TOP OF WELL COVER.
- THE LOCATIONS OF SOIL BORINGS AND MONITORING WELLS MW-2S/D, MW-3S/D, MW-4S/D, MW-5S/D, MW-6W, AND MW-7CH ARE BASED ON FIGURES PROVIDED BY HART & HICKMAN, PC. THE LOCATIONS WERE NOT SURVEYED BECAUSE THE SOIL BORINGS/MONITORING WELLS HAVE BEEN ABANDONED. THE LOCATIONS OF WATER SUPPLY WELLS PW-051, PW-A3, AND PW-345 ARE ALSO BASED ON FIGURES PROVIDED BY HART & HICKMAN, PC AND WERE NOT SURVEYED. MW-2S WAS NOT FOUND IN THE FIELD SURVEY AT THIS TIME.
- THE SOURCE PROPERTY WHERE FORMER TOWNGATE CLEANERS OPERATED (PIN: 209611658320) IS ASSOCIATED WITH AN ADDRESS OF 715 NORTH HOWE STREET.
- BUILDING LOCATIONS SHOWN HEREON ARE APPROXIMATE FROM BRUNSWICK COUNTY GIS.
- LOT AREAS ARE FROM BRUNSWICK COUNTY GIS.
- SOURCE PROPERTY CONTAINS INDIVIDUAL CONDOMINIUM UNITS WITH SEPARATE OWNERS. COMMON PROPERTY IS OWNED BY THE TOWNGATE CROSSING PROPERTY OWNERSHIP ASSOCIATION INC. OWNERS OF THE INDIVIDUAL UNITS ARE INDICATED IN TABLE 1.
- THIS PLAT ONLY DEPICTS THE LOCATIONS OF MONITORING WELLS AND SOIL BORINGS LOCATED IN THE AREA OF THE SOURCE PROPERTY. REFER TO THE OFF-SOURCE PROPERTY PLATS FOR ADDITIONAL MONITORING WELL AND SOIL BORING LOCATIONS.
- THREE WELLS WERE SURVEYED AT THE LOCATION OF MW-23S, MW-23I, AND MW-23D, BUT THE SPECIFIC LABELS FOR THE INDIVIDUAL WELLS WERE NOT CONFIRMED.

**CONTAMINANT STATEMENT:**

GROUNDWATER IN WELLS MW-1S, MW-2S, MW-3S, MW-5S, MW-5D, MW-14, MW-15, MW-16S, MW-17S, MW-18, MW-20, MW-22S, SB-8, SB-12, SB-13, SB-16, SB-17, SB-19, SB-26, SB-27, SB-37, SB-38, SB-42, SB-46, SB-47, SB-52, PW-051, PW-A3, AND PW-345 EXCEEDED THE APPLICABLE 2L WATER QUALITY STANDARDS (15A NCAC 2L.0200) FOR ONE OR MORE OF THE FOLLOWING CONTAMINANTS: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, VINYL CHLORIDE, CIS-1, 2-DICHLOROETHYLENE, BENZENE, CHLOROMETHANE, BROMODICHLOROMETHANE, AND DIBROMOCHLOROMETHANE.

SOIL IN BORINGS SB-1, SB-2, AND SB-4 EXCEEDED THE ASSOCIATED RESIDENTIAL RISK BASED SCREENING LEVEL (15A NCAC 2S) FOR ONE OR MORE OF THE FOLLOWING CONTAMINANTS: TETRACHLOROETHYLENE.

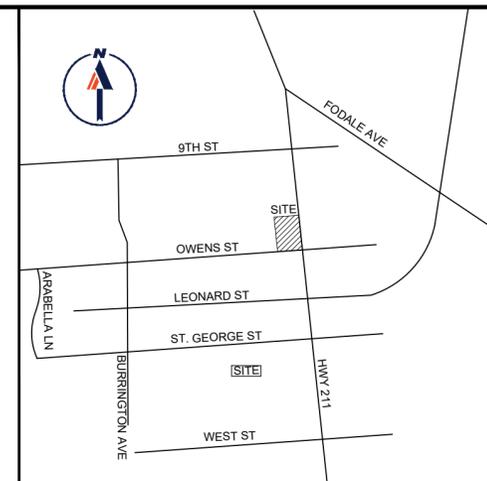
THE DOCUMENTARY COMPONENT OF THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION, WHICH IDENTIFIES CONTROLS OR LIMITATION ON THE USE OF THIS PROPERTY, IS RECORDED AT:

DEED BOOK: \_\_\_\_\_

PAGE: \_\_\_\_\_

**REFERENCES:**

- DB 3880, PG 864
- DB 3078, PG 155
- DB 2317, PG 1256
- DB 4170, PG 892
- MAP CABINET 89, PG 53
- MAP CABINET 112, PG 87
- CONDO BOOK 10, PG 550



VICINITY MAP  
NOT TO SCALE

COORDINATE SYSTEM: US STATE PLANE 1983  
ZONE: NORTH CAROLINA 3200  
HORIZONTAL DATUM: NAD 83 (2011)  
VERTICAL DATUM: NAVD 88 (GEOID 12B)  
UNIT OF MEASURE: US SURVEY FEET

WELL ID	NORTHING	EASTING	ELEVATION
MW-1S/D	65257.12	2296714.32	18.52
MW-8CH	65148.00	2296741.60	16.44
MW-9WF	65146.43	2296731.33	16.35
MW-10CH	65267.91	2296714.51	18.72
MW-11WF	65262.60	2296716.77	18.64
MW-12	65458.72	2296504.77	18.71
MW-13	64891.26	2297381.90	12.32
MW-14	64435.12	2296681.36	19.64
MW-15	64736.06	2296916.01	16.77
MW-16S	64600.84	2297078.60	17.60
MW-16D	64600.16	2297078.13	17.58
MW-17S	64100.81	2297205.84	18.85
MW-17D	64100.15	2297206.40	18.83
MW-18	64365.43	2297549.60	18.71
MW-19S	64469.06	2297118.12	19.29
MW-19D	64467.11	2297119.15	19.80
MW-20	63832.92	2296445.66	21.27
MW-21S/D	63682.91	2296861.91	20.35
MW-22S	63591.16	2297517.94	20.49
MW-22D	63591.11	2297519.06	20.32
MW-23S/I/D	63829.70	2297936.70	18.24
MW-23S/II/D	63829.09	2297935.38	18.17
MW-23S/III/D	63827.96	2297936.63	18.25
MW-24	64341.08	2298053.06	15.66

**SURVEY CERTIFICATION**

I, THOMAS E. TEABO, PLS. HEREBY CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, FROM DEED AND MAP REFERENCES AS NOTED ON SAID MAP. THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FROM DEED AND MAP REFERENCES AS NOTED ON SAID MAP.

THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY OF THE SURVEY AS CALCULATED IS 1: 10,000+. THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION OF RECORD; THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED.

I HEREBY CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL GPS SURVEY MADE UNDER MY SUPERVISION AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:

- CLASS OF SURVEY: "CLASS A"
- POSITIONAL ACCURACY: 0.04'
- TYPE OF GPS FIELD PROCEDURE: REAL-TIME KINEMATIC NETWORKS-NCVRS
- DATES OF SURVEY: AUGUST 26, 2019 - NOVEMBER 1, 2019
- DATUM/EPOCH: NAD 83 (2011) EPOCH 2010.00
- PUBLISHED/FIXED-CONTROL USE: NCVRS
- GEOID MODEL: 2012 (CONUS)
- COMBINED GRID FACTOR(S): 1.000142991
- UNITS: US SURVEY FEET

THAT THE SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND OR ONE OR MORE EXISTING EASEMENTS AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 22ND DAY OF MARCH A.D., 2022.

**PRELIMINARY - NOT FOR RECORDATION,  
SALES OR CONVEYANCES**

SURVEYOR NC L-3920



TABLE 1 - OWNER INFORMATION						
PIN	OWNER NAME*	ADDRESS	TOWNSHIP	CITY	COUNTY	STATE
209611658320	JAMES DON BULLARD, II	701 N. HOWE ST, UNIT 1	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC
	SCOTT AND TIA KASEMAN	701 N. HOWE ST, UNIT 2				
	JAMES L. & JANNETTE S. AVERETT	701 N. HOWE ST, UNIT 3				
	GEORGE R., II, & CYNTHIA G. BARKETT	701 N. HOWE ST, UNIT 4				
	ANDREW C. BATES	701 N. HOWE ST, UNIT 5				
	DAVID GREGORY & MICHELLE THOMPSON GORE	701 N. HOWE ST, UNIT 6				
	JETER INVESTMENTS I, LLC.	701 N. HOWE ST, UNIT 7				
	DOUGLAS RANDALL JONES	701 N. HOWE ST, UNIT 8				
	LEIGH PROPERTY GROUP, LLC.	108 W. OWENS ST, UNIT 1				
	LEIGH PROPERTY GROUP, LLC.	108 W. OWENS ST, UNIT 2				
	PETER B. & PAULA D. STEWART	108 W. OWENS ST, UNIT 3				
	GARY & PEGGY SHORE	108 W. OWENS ST, UNIT 4				
	JOHN M. & MARCIA ERWIN	715 N. HOWE ST, UNIT 1				
	REBEKAH MCLEAN PAGE	715 N. HOWE ST, UNIT 2				
	HOLLAND INVESTMENT PROPERTIES, LLC.	715 N. HOWE ST, UNIT 3				
	JETER INVESTMENTS I, LLC.	715 N. HOWE ST, UNIT 4				
	LINDSAY L. FARRIS	715 N. HOWE ST, UNIT 5				
	KATHELYNE DE TREMMERIE	715 N. HOWE ST, UNIT 6				
	WILLIAM R. ATKINS	715 N. HOWE ST, UNIT 7				
	MATTHEW MANSFIELD	715 N. HOWE ST, UNIT 8				
TOWNGATE CROSSING POA, INC.	N/A					

\*NOW OR FORMERLY

**DEED STATEMENT:**

N.C.G.S. 143-215.104M(d) REQUIRES THAT WHEN PROPERTY FOR WHICH A NOTICE OF DRY-CLEANING SOLVENT REMEDIATION HAS BEEN FILED IS SOLD, LEASED, CONVEYED OR TRANSFERRED, THE DEED OR OTHER INSTRUMENT OF TRANSFER SHALL CONTAIN IN THE DESCRIPTION SECTION, IN NO SMALLER TYPE THAN THAT USED IN THE BODY OF THE DEED OR INSTRUMENT, A STATEMENT THAT THE PROPERTY HAS BEEN CONTAMINATED WITH DRY-CLEANING SOLVENT AND, IF APPROPRIATE, CLEANED UP UNDER THIS PART. USE THE FOLLOWING STATEMENT TO SATISFY N.C.G.S. 143-215.104M(d):

THIS PROPERTY HAS BEEN CONTAMINATED WITH DRY-CLEANING SOLVENT. A NOTICE OF DRY-CLEANING SOLVENT REMEDIATION IS RECORDED IN THE BRUNSWICK COUNTY REGISTER OF DEEDS OFFICE AT BOOK \_\_\_\_\_, PAGE \_\_\_\_\_.

QUESTIONS CONCERNING THIS MATTER MAY BE DIRECTED TO THE NORTH CAROLINA DIVISION OF WASTE MANAGEMENT, SUPERFUND SECTION, DRYCLEANING SOLVENT CLEANUP ACT (DSCA) PROGRAM, OR ITS SUCCESSOR IN FUNCTION. 1646 MAIL SERVICE CENTER, RALEIGH, NC 27699-1646.

**NC DEQ ACKNOWLEDGEMENT:**

APPROVED FOR THE PURPOSES OF N.C.G.S. 143-215.104M.

DELONDA ALEXANDER  
SPECIAL REMEDIATION BRANCH MANAGER,  
SUPERFUND SECTION  
DIVISION OF WASTE MANAGEMENT

**NOTARY STATEMENT**

\_\_\_\_\_(STATE)  
\_\_\_\_\_(COUNTY)

I, \_\_\_\_\_  
A NOTARY PUBLIC OF SAID COUNTY AND STATE, DO HEREBY CERTIFY THAT

DID PERSONALLY APPEAR AND SIGN BEFORE ME THIS THE DAY OF \_\_\_\_\_, 2022

NOTARY PUBLIC (SIGNATURE)

MY COMMISSION EXPIRES: \_\_\_\_\_

**OWNER ACKNOWLEDGEMENT:**

I ACKNOWLEDGE THAT I HAVE FULL AUTHORITY TO LEGALLY EXECUTE A DEED FOR THIS PROPERTY.

\_\_\_\_\_  
SIGNATURE DATE

**NOTARY STATEMENT**

\_\_\_\_\_(STATE)  
\_\_\_\_\_(COUNTY)

I, \_\_\_\_\_  
A NOTARY PUBLIC OF SAID COUNTY AND STATE, DO HEREBY CERTIFY THAT

DID PERSONALLY APPEAR AND SIGN BEFORE ME THIS THE DAY OF \_\_\_\_\_, 2022

NOTARY PUBLIC (SIGNATURE)

MY COMMISSION EXPIRES: \_\_\_\_\_

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**SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION**  
TOWNGATE CROSSING PROPERTY OWNERSHIP ASSOCIATION INC.  
FORMER TOWNGATE CLEANERS, DSCA SITE ID DC100001  
PIN: 209611658320  
FORMER DRY-CLEANER ADDRESS: 715 NORTH HOWE STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC  
CURRENT PROPERTY ADDRESS: 701 NORTH HOWE STREET, 715 NORTH HOWE STREET, AND 108 WEST OWENS STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC

FILE NO. NS192032	<b>BOHLER</b> // 4130 PARKLAKE AVENUE, SUITE 130 RALEIGH, NORTH CAROLINA 27612 919.578.9000 www.bohlerengineering.com					
DATE 03/22/2022						
FIELD DATE 11/01/2019	CREW CHIEF RJ	DRAWN BG	REVIEWED TET	APPROVED TET	SCALE 1" = 20'	DWG. NO. 1 OF 2

**LEGEND**

- LINE SURVEYED
- - - - LINE NOT SURVEYED
- ADJACENT PROPERTY LINE SURVEYED
- - - - ADJACENT PROPERTY LINE NOT SURVEYED
- IPS
- IPF
- IRF
- NLF
- N/F
- COMPUTED POINT
- SOIL BORING
- MONITORING WELL
- ▭ BUILDING
- ▭ AREA A

\*SEE SHEET 1 FOR MONITORING WELLS TABLE  
 \*SEE SHEET 1 FOR OWNER INFORMATION "TABLE 1"

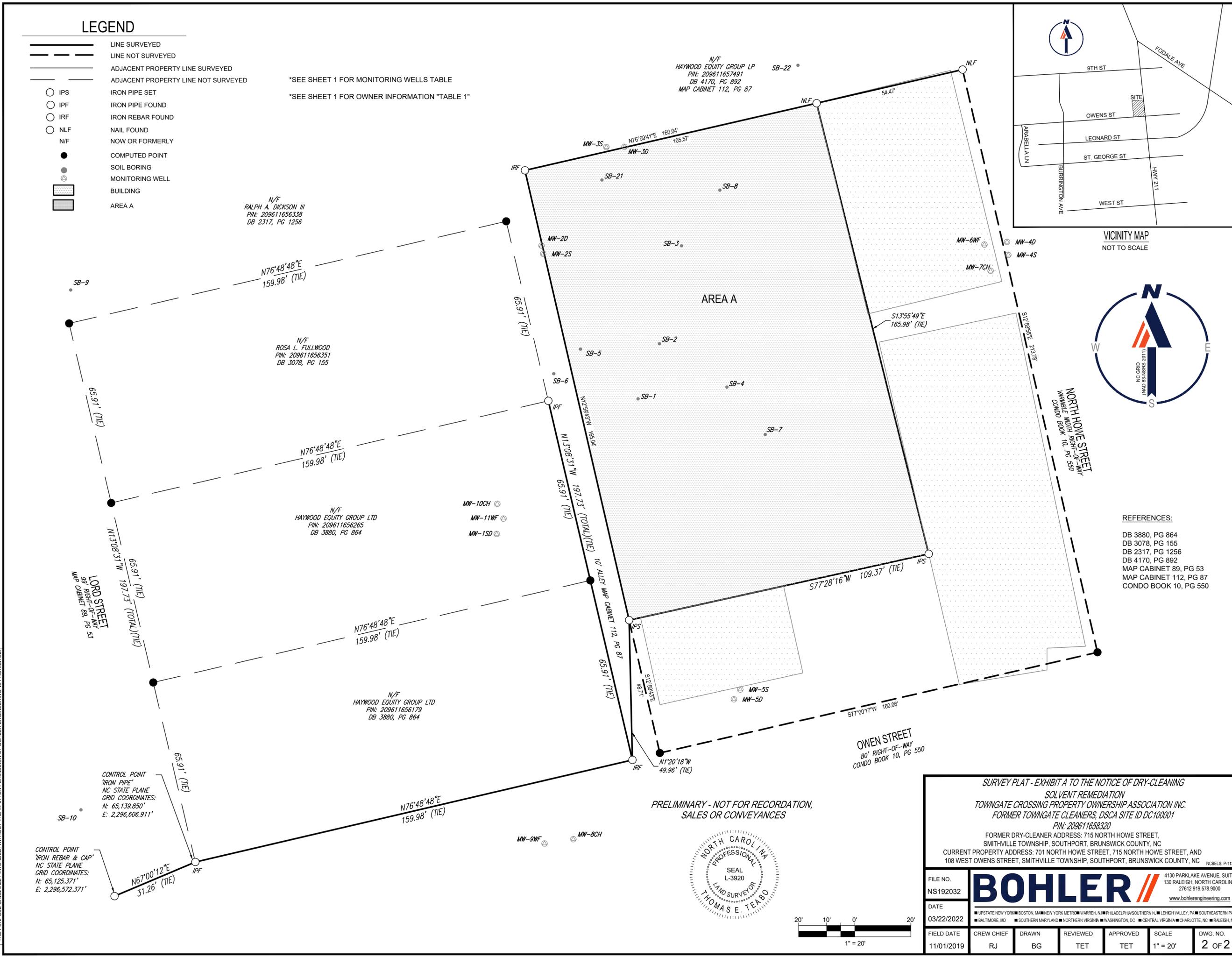


VICINITY MAP  
NOT TO SCALE

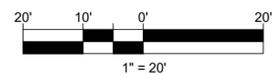


- REFERENCES:**
- DB 3880, PG 864
  - DB 3078, PG 155
  - DB 2317, PG 1256
  - DB 4170, PG 892
  - MAP CABINET 89, PG 53
  - MAP CABINET 112, PG 87
  - CONDO BOOK 10, PG 550

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PRELIMINARY - NOT FOR RECORDATION,  
SALES OR CONVEYANCES



SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING  
 SOLVENT REMEDIATION  
 TOWNGATE CROSSING PROPERTY OWNERSHIP ASSOCIATION INC.  
 FORMER TOWNGATE CLEANERS, DSCA SITE ID DC100001  
 PIN: 209611658320  
 FORMER DRY-CLEANER ADDRESS: 715 NORTH HOWE STREET,  
 SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC  
 CURRENT PROPERTY ADDRESS: 701 NORTH HOWE STREET, 715 NORTH HOWE STREET, AND  
 108 WEST OWENS STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC

FILE NO. NS192032	4130 PARKLAKE AVENUE, SUITE 130 RALEIGH, NORTH CAROLINA 27612-9199 www.bohlerengineering.com					
DATE 03/22/2022						
FIELD DATE 11/01/2019	CREW CHIEF RJ	DRAWN BG	REVIEWED TET	APPROVED TET	SCALE 1" = 20'	DWG. NO. 2 OF 2

## **EXHIBIT B**

### **PROPERTY LEGAL DESCRIPTION**

BEGINNING at the point of intersection of the northern line of Owens Street with the western line of Howe Street; running thence northwardly along the western line of Howe Street 137.60 feet more or less to the southern line of that certain tract of land sold by O.H. Lynch, et ux. to Stephen Larson (said Larson Tract being lot 28 and a part of lots 26 and 27, Block 9, Smith and Weeks Addition in the City of Southport); thence westwardly along the southern line of said Larson Tract 160.00 feet to the eastern line of a 10' public alley; thence southerly along the eastern line of said alley 137.60 feet, more or less, to the northern line of Owens Street; thence eastwardly along the northern line of Owens Street 160.00 feet to the Point of BEGINNING, the same being lots 29, 30, 21, 32, and a portion of lot 28, Block 9, Smith and Weeks Addition in the City of Southport and being the same land described in deeds to O.H. Lynch and wife recorded in Book 156 at Page 775, Book 125, Page 620, and a portion of the lands described in deed recorded in Book 125, Page 514, all such deed references being to the Brunswick County Registry.

**Appendix D**  
**Example Off-Source Properties Notice of Dry-Cleaning Solvent Remediation**

## NOTICE OF DRY-CLEANING SOLVENT REMEDIATION

Property Owner: <owner name>

Recorded in Book \_\_\_\_\_, Page \_\_\_\_\_

Associated plat recorded in Plat Book \_\_\_\_\_, Page \_\_\_\_\_

This documentary component of a Notice of Dry-Cleaning Solvent Remediation (hereinafter "Notice") is hereby recorded on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_. The survey plat component of the Notice is being recorded concurrently with this documentary component. The real property (hereinafter "Property") which is the subject of this Notice is located at <address > Southport, Brunswick County, North Carolina, Parcel Identification Number (PIN) <pin #>.

The Property is contaminated with dry-cleaning solvent, as defined at North Carolina General Statutes (hereinafter "N.C.G.S."), Section (hereinafter "§") 143-215.104B(b)(9), and other contaminants and is one of 245 parcels that make up the dry-cleaning solvent contamination site (hereinafter "Contamination Site"). This Notice has been approved by the North Carolina Department of Environmental Quality, or its successor in function (hereinafter "DEQ") under the authority of the Dry-Cleaning Solvent Cleanup Act of 1997, as amended, N.C.G.S. § 143-215.104A *et seq.* (hereinafter "DSCA"), and is required to be filed in the Register of Deeds' Office in the county or counties in which the land is located, pursuant to NCGS § 143-215.104I. A Notice will be recorded separately in each chain of title of the Contamination Site.

Groundwater under the Property is contaminated with dry-cleaning solvents associated with dry-cleaning operations at the former Towngate Cleaners (DSCA Site ID DC100001) located at 715 N. Howe Street. **A risk assessment of the contaminated property concluded that the contamination poses no unacceptable risk as long as groundwater on the property is not used as a source of water for any water supply wells.**

Pursuant to N.C.G.S. § 143-215.104I, this Notice is being filed in order to reduce or eliminate the danger to public health or the environment posed by the Property. Attached hereto as **Exhibit A** is a reduction, to 8 1/2" x 11", of the survey plat component of the Notice required by N.C.G.S. § 143-215.104M. The survey plat has been prepared and certified by a professional

land surveyor and meets the requirements of G.S. 47-30, and contains the following information required by N.C.G.S. § 143-215.104M:

- (1) A description of the location and dimensions of the areas of potential environmental concern with respect to permanently surveyed benchmarks; and
- (2) The type, location and quantity of regulated dry-cleaning solvent contamination and other contaminants known to exist on the Property.

Attached hereto as **Exhibit B** is a legal description of the Property that would be sufficient as a description in an instrument of conveyance.

### **USE OF GROUNDWATER PROHIBITED BY STATE AND LOCAL REGULATIONS**

Groundwater on this property contains contaminants that exceed unrestricted use standards. Pursuant to 15A North Carolina Administrative Code 02C .0107(b)(1), “(t)he source of water for any water supply well shall not be from a water bearing zone or aquifer that is contaminated.” Therefore, state law prohibits construction of a water supply well on this property unless it can be demonstrated that the water pumped from the well is not contaminated. Further, pursuant to North Carolina General Statute 87-88(c) and 15A North Carolina Administrative Code 02C .0112(a), no well may be constructed or maintained in a manner whereby it could be a source or channel of contamination of the groundwater supply or any aquifer.

### **FUTURE SALES, LEASES, CONVEYANCES AND TRANSFERS**

When any portion of the Property is sold, leased, conveyed or transferred, pursuant to NCGS § 143-215.104M the deed or other instrument of transfer shall contain in the description section, in no smaller type than that used in the body of the deed or instrument, a statement that the Property has been contaminated with dry-cleaning solvent and, if appropriate, cleaned up under the DSCA.

This provision shall not apply to leases that do not provide for the right to take actions that would violate the prohibitions and restrictions of this Notice.

### **CANCELLATION OF THE NOTICE**

The Notice may, at the request of the Property Owner, be canceled by DEQ after the risk to public health and the environment associated with the dry-cleaning solvent contamination and any other contaminants included in the DSCA Remediation Agreement have been eliminated as a result of remediation of the Property to unrestricted use standards.

**APPROVAL AND CERTIFICATION OF NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY**

The foregoing Notice of Dry-Cleaning Solvent Remediation is hereby approved and certified.

North Carolina Department of Environmental Quality

By: \_\_\_\_\_ Date \_\_\_\_\_  
Delonda Alexander  
Special Remediation Branch Manager, Superfund Section  
Division of Waste Management

STATE OF NORTH CAROLINA  
COUNTY OF WAKE

I, \_\_\_\_\_, a Notary Public of Wake County and State of North Carolina do hereby certify that \_\_\_\_\_ did personally appeared before me this the \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Name typed or printed  
Notary Public

My Commission expires: \_\_\_\_\_  
[Stamp/Seal]

**CERTIFICATION OF REGISTER OF DEEDS**

The foregoing documentary component of the Notice of Dry-Cleaning Solvent Remediation, and the associated plat, are certified to be duly recorded at the date and time, and in the Books and Pages, shown on the first page hereof.

Register of Deeds for Brunswick County

By: \_\_\_\_\_

Name typed or printed: \_\_\_\_\_

Deputy/Assistant Register of Deeds

\_\_\_\_\_ Date

**EXHIBIT A**

**SURVEY PLAT REDUCTION**

**EXHIBIT B**

**LEGAL DESCRIPTION FOR PROPERTY**

**Appendix E**  
**Off-Source Properties Survey Plats**

**Appendix E-1:**

**Appendix E-1: Survey Plats for Properties #2 through #5, #8 through #216, #225 through #229, and #245 (New Survey Plats)**

**NOTES:**

- NO TITLE REPORT FURNISHED.
- AREAS COMPUTED BY COORDINATE METHOD.
- PROPERTY SHOWN HEREON IS SUBJECT TO ALL RIGHTS-OF-WAY, EASEMENTS AND RESTRICTIONS OF RECORD.
- ALL DISTANCES SHOWN ON SURVEY ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
- NC GRID COORDINATES (NAD83) OBTAINED BY USING GPS, PER THE NCVRS NETWORK.
- BASIS OF BEARING SHOWN HEREON IS NC GRID (NAD 83 NSRS 2011).
- VERTICAL DATUM SHOWN HEREON IS NAVD88.
- THE PROPERTY SHOWN HEREON IS LOCATED IN FLOODZONE "ZONE X", AREA OF MINIMAL FLOODING, PER FLOOD INSURANCE RATE MAP 3720209600K, PANEL 2096, PANEL EFFECTIVE DATE AUGUST 28, 2018.
- THE PROPERTY SHOWN HEREON IS LOCATED IN FLOODZONE "ZONE 0.2%", AREA OF 0.2% CHANCE OF FLOODING, PER FLOOD INSURANCE RATE MAP 3720209600K, PANEL 2096, PANEL EFFECTIVE DATE AUGUST 28, 2018.
- THE PROPERTY SHOWN HEREON IS LOCATED IN FLOODZONE "ZONE AE", AREA OF 1% CHANCE OF FLOODING, PER FLOOD INSURANCE RATE MAP 3720209600K, PANEL 2096, PANEL EFFECTIVE DATE AUGUST 28, 2018.
- THE AREAS AND TYPE OF CONTAMINATION DEPICTED UPON THE MAP ARE APPROXIMATIONS DERIVED FROM THE BEST AVAILABLE INFORMATION AT THE TIME OF FILING.
- MONITORING WELLS SHOWN ON THE PLAT WERE LOCATED BY THE STATIC-METHOD.
- MONITORING WELL ELEVATIONS ARE TO THE TOP OF WELL COVER.
- THE LOCATIONS OF SOIL BORINGS AND MONITORING WELLS MW-2S/D, MW-3S/D, MW-4S/D, MW-5S/D, MW-6WF, AND MW-7CH ARE BASED ON FIGURES PROVIDED BY HART & HICKMAN, PC. THE LOCATIONS WERE NOT SURVEYED BECAUSE THE SOIL BORINGS/MONITORING WELLS HAVE BEEN ABANDONED. THE LOCATIONS OF WATER SUPPLY WELLS PW-051, PW-A3, AND PW-345 ARE ALSO BASED ON FIGURES PROVIDED BY HART & HICKMAN, PC AND WERE NOT SURVEYED. MW-2S WAS NOT FOUND IN THE FIELD SURVEY AT THIS TIME.
- THE SOURCE PROPERTY WHERE FORMER TOWNGATE CLEANERS OPERATED (PIN: 209611658320) IS ASSOCIATED WITH AN ADDRESS OF 715 NORTH HOWE STREET.
- BUILDING LOCATIONS SHOWN HEREON ARE APPROXIMATE FROM BRUNSWICK COUNTY GIS.
- LOT AREAS ARE FROM BRUNSWICK COUNTY GIS.
- SOURCE PROPERTY CONTAINS INDIVIDUAL CONDOMINIUM UNITS WITH SEPARATE OWNERS. COMMON PROPERTY IS OWNED BY THE TOWNGATE CROSSING PROPERTY OWNERSHIP ASSOCIATION INC. OWNERS OF THE INDIVIDUAL UNITS ARE INDICATED IN TABLE 1.
- THIS PLAT ONLY DEPICTS THE LOCATIONS OF MONITORING WELLS AND SOIL BORINGS LOCATED IN THE AREA OF THE SOURCE PROPERTY. REFER TO THE OFF-SOURCE PROPERTY PLATS FOR ADDITIONAL MONITORING WELL AND SOIL BORING LOCATIONS.
- THE FOLLOWING PROPERTIES ARE ALSO INCLUDED IN TOWNGATE CLEANERS CONTAMINATION AREA, BUT ARE COVERED BY SEPARATE PLAT MAPS: 715 N. HOWE STREET; 504 N. ATLANTIC AVENUE; 600 AND 604 MACKENZIE CIRCLE; 506 AND 510 QUARTER MASTER DRIVE; 608 ARABELLA LANE; 624, 625, 629, 633, 637, 638, 641, 645, AND 646 WILD ROSE WAY; AND THE PROPERTIES WITH PID'S 209616748701 AND 209614448175.
- THREE WELLS WERE SURVEYED AT THE LOCATION OF MW-23S, MW-23I, AND MW 23D, BUT THE SPECIFIC LABELS FOR THE INDIVIDUAL WELLS WERE NOT CONFIRMED.

**NC DEQ ACKNOWLEDGEMENT:**

APPROVED FOR THE PURPOSES OF N.C.G.S. 143-215, 104M.

DELONDA ALEXANDER  
SPECIAL REMEDIATION BRANCH MANAGER,  
SUPERFUND SECTION  
DIVISION OF WASTE MANAGEMENT

NORTH CAROLINA (STATE)

WAKE (COUNTY)

**NOTARY STATEMENT**

\_\_\_\_ (STATE)

\_\_\_\_ (COUNTY)

I, \_\_\_\_\_  
A NOTARY PUBLIC OF SAID COUNTY AND STATE, DO HEREBY  
CERTIFY THAT

DID PERSONALLY APPEAR AND SIGN BEFORE ME THIS THE  
DAY OF \_\_\_\_\_, 2022

NOTARY PUBLIC (SIGNATURE)

MY COMMISSION EXPIRES: \_\_\_\_\_

**CONTAMINANT STATEMENT:**

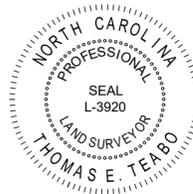
GROUNDWATER IN WELLS MW-1S, MW-2S, MW-3S, MW-5S, MW-5D, MW-14, MW-15, MW-16S, MW-17S, MW-18, MW-20, MW-22S, SB-8, SB-12, SB-13, SB-16, SB-17, SB-19, SB-26, SB-27, SB-37, SB-38, SB-42, SB-46, SB-47, SB-52, PW-051, PW-A3, AND PW-345 EXCEEDED THE APPLICABLE 2L WATER QUALITY STANDARDS (15A NCAC 2L.0200) FOR ONE OR MORE OF THE FOLLOWING CONTAMINANTS: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, VINYL CHLORIDE, CIS-1, 2-DICHLOROETHYLENE, BENZENE, CHLOROMETHANE, BROMODICHLOROMETHANE, AND DIBROMOCHLOROMETHANE.

THE DOCUMENTARY COMPONENT OF THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION, WHICH IDENTIFIES CONTROLS OR LIMITATION ON THE USE OF THIS PROPERTY, IS RECORDED AT:

"SEE BOOK AND PAGE NUMBER INDICATED ON THE CONTAMINANT STATEMENTS OF SHEETS 2-9"

\*SEE SHEETS 2 & 3 FOR OWNER INFORMATION "TABLE 1"

\*SEE SHEET 8 FOR MONITORING WELLS TABLE



**SURVEY CERTIFICATION**

I, THOMAS E. TEABO, PLS, HEREBY CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, FROM DEED AND MAP REFERENCES AS NOTED ON SAID MAP; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FROM DEED AND MAP REFERENCES AS NOTED ON SAID MAP.

THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY OF THE SURVEY AS CALCULATED IS 1: 10,000+, THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION OF RECORD; THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED.

I HEREBY CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL GPS SURVEY MADE UNDER MY SUPERVISION AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:

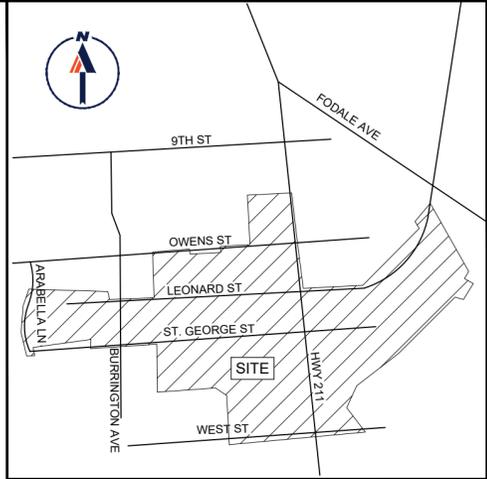
- CLASS OF SURVEY: "CLASS A"
- POSITIONAL ACCURACY: 0.04'
- TYPE OF GPS FIELD PROCEDURE: REAL-TIME KINEMATIC NETWORKS-NCVRS
- DATES OF SURVEY: AUGUST 26, 2019 - NOVEMBER 1, 2019
- DATUM/EPOCH: NAD 83 (2011) EPOCH 2010.00
- PUBLISHED/FIXED-CONTROL USE: NCVRS
- GEOID MODEL: 2012 (CONUS)
- COMBINED GRID FACTOR(S): 1.000142991
- UNITS: US SURVEY FEET

THAT THE SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND OR ONE OR MORE EXISTING EASEMENTS AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 22ND DAY OF MARCH A.D., 2022.

PRELIMINARY - NOT FOR RECORDATION,  
SALES OR CONVEYANCES

SURVEYOR NC L-3920



VICINITY MAP  
NOT TO SCALE



**LEGEND**

- SOIL BORING
- ⊙ MONITORING WELL
- ⊠ WATER SUPPLY WELL LOCATION

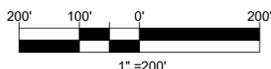
- MW-23S/1/D
- MW-23S/1/D
- MW-23S/1/D

**DEED STATEMENT:**

N.C.G.S. 143-215, 104M(d) REQUIRES THAT WHEN PROPERTY FOR WHICH A NOTICE OF DRY-CLEANING SOLVENT REMEDIATION HAS BEEN FILED IS SOLD, LEASED, CONVEYED OR TRANSFERRED, THE DEED OR OTHER INSTRUMENT OF TRANSFER SHALL CONTAIN IN THE DESCRIPTION SECTION, IN NO SMALLER TYPE THAN THAT USED IN THE BODY OF THE DEED OR INSTRUMENT, A STATEMENT THAT THE PROPERTY HAS BEEN CONTAMINATED WITH DRY-CLEANING SOLVENT AND, IF APPROPRIATE, CLEANED UP UNDER THIS PART. USE THE FOLLOWING STATEMENT TO SATISFY N.C.G.S. 143-215, 104M(d):

THIS PROPERTY HAS BEEN CONTAMINATED WITH DRY-CLEANING SOLVENT. A NOTICE OF DRY-CLEANING SOLVENT REMEDIATION IS RECORDED IN THE BRUNSWICK COUNTY REGISTER OF DEEDS' OFFICE AT BOOK \_\_\_\_\_, PAGE \_\_\_\_\_.

QUESTIONS CONCERNING THIS MATTER MAY BE DIRECTED TO THE NORTH CAROLINA DIVISION OF WASTE MANAGEMENT, SUPERFUND SECTION, DRY-CLEANING SOLVENT CLEANUP ACT (DSCA) PROGRAM, OR ITS SUCCESSOR IN FUNCTION, 1646 MAIL SERVICE CENTER, RALEIGH, NC 27699-1646.



**SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION**  
OWNER AND PROPERTY ADDRESS: SEE TABLE 1  
CONTAMINATION SOURCE: FORMER TOWNGATE CLEANERS, DSCA SITE ID DC100001  
FORMER DRY-CLEANER ADDRESS: 715 NORTH HOWE STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC  
CURRENT SOURCE PROPERTY ADDRESS: 701 NORTH HOWE STREET, 715 NORTH HOWE STREET, AND 108 WEST OWENS STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC

**BOHLER** 4130 PARKLAKE AVENUE, SUITE 130 RALEIGH, NORTH CAROLINA 27612 919.578.9000  
www.bohlerengineering.com

FILE NO. NS192032	DATE 03/22/2022	FIELD DATE 11/01/2019	CREW CHIEF RJ	DRAWN BG	REVIEWED TET	APPROVED TET	SCALE 1" = 200'	DWG. NO. 1 OF 9
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TABLE 1 - OWNER INFORMATION									
PARCEL #	PIN	OWNER NAME	ADDRESS	TOWNSHIP	CITY	COUNTY	STATE	DEED BOOK	PAGE NUMBER
1	209611656351	ROSA L. FULLWOOD	712 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
2	209611656265	HAYWOOD EQUITY GROUP LTD		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
3	209611656179	HAYWOOD EQUITY GROUP LTD		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
5	209615549887	FRIENDSHIP BAPTIST CHURCH	620 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
6	209615549893	BRANDON RAY CHUMAN	616 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
7	209615640709	ASHLEY LEMOINE	614 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
8	209615640716	EVANS 1996 FAMILY LIMITED PARTNERSHIP		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
9/10	209615640721	BEVERLY HAMMOND & DAVID TRIGLIO	610 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
11	209615640637	EVANS 1996 FAMILY LIMITED PARTNERSHIP		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
12	209615640642	EDWARD I. CLEMMONS		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
13	209615641912	MELISSA G. PFTZER	619 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
14	209615641819	CHRISTIAN M. CONRAD		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
15	209615641826	CHRISTIAN M. CONRAD		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
16	209615641833	EAGLES COLON ET ELLEN	613 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
17	209615641739	REBECCA PAIGE BRIDGERS		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
18	209615641746	EVANS 1996 FAMILY LIMITED PARTNERSHIP		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
19	209615641753	REBECCA PAIGE BRIDGERS	609 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
20	209615641760	WILLIAM A. BREAM & NANCY D. BREAM	607 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
21	209615641675	WILLIAM A. BREAM & NANCY D. BREAM		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
22	209615643934	JOHN SPALDING & FRANKIE SPALDING	620 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
23	209615643859	ROSA LEE MIMS	616 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
24	209615643864	MAGGIE MCKAY		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
25	209615643871	C. RICHARD MELVIN C/O JIM SIMON	610 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
26	209615643788	SHAWLINE, LLC.		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
27	209615643785	JAMES CLEMMONS JR.		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
28	209615644700	HARRY R. PARKER	602 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
29	209615644969	FIRST BAPTIST CHURCH	619 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
30	209615644982	FIRST BAPTIST CHURCH OF SOUTHPORT	615 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
31	209615644898	JUAN GARRIDO JR. & ROBIN T. GARRIDO	613 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
32	209615644894	MARCUS G. MCLEAN	611 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
33	209615645719	HENRY M. LONG & MARY T. LONG	609 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
34	209615645723	WILLIAM ALFRED DAVIS ET UX.	202 W. LEONARD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
35	209611656063	E W GORE RENTAL, LLC.	620 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
36	209611657046	JAMILAS PROPERTIES, LLC.	111 W. OWENS ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
37	209615647926	WILLIE L. GORE ET AL.	616 N. LORD ST 614 N. LORD ST 612 N. LORD ST 610 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
38	209615647968	E W GORE RENTAL, LLC.		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
39	209615647885	AMY B. TEMPLETON & RICHARD S. TILYARD	606 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
40	209615647719	AMY B. TEMPLETON & RICHARD S. TILYARD	604 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
41	209615647715	GLORIA IRENE HANKINS	602 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
42	209615648820	PREVATTE & PREVATTE, PLLC.		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
43	209611658023	DOREEN L. MCCLUNG	107 W. OWENS ST, UNIT 1 107 W. OWENS ST, UNIT 2	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
44	209611658097	PAUL G. SAZANI & CATHERINE SAZANI	619 N. HOWE ST, UNIT A 619 N. HOWE ST, UNIT B 619 N. HOWE ST, UNIT C 619 N. HOWE ST, UNIT D	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
45	209611659001	B.H. ROGERS JR.	611 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
46	209615649930	BARBRA GRELA	607 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
47	209615649852	PREVATTE & PREVATTE, PLLC.	601 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
48	209615545284	JON ANTHONY MAROTO	507 BURRINGTON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
49	209615541025	SOUTHPORT TRADING COMPANY/VILLAGE, LLC		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
50	209615543038	MARY AARON STYNE	514 W. ST. GEORGE ST, UNIT A 514 W. ST. GEORGE ST, UNIT B 512 W. ST. GEORGE ST UNIT A 512 W. ST. GEORGE ST UNIT B	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
51	209615543089	MARY AARON STYNE	510 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
52	209615544048	BERTHA W. GARRIS & PHILLIP E. MATTHEWS	508 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
53	209615544099	WILLIAM C. VANN & DEBRA VANN	506 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
54	209615546101	SANTFORD R. JOHNSTON & KAREN L. JOHNSTON	500 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
55	209615547440	CANDACE PEELE CUNDIFF		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
56	209615547356	CANDACE PEELE CUNDIFF	520 N. BURRINGTON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
57	209615547363	CANDACE PEELE CUNDIFF	516 N. BURRINGTON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
58	209615547360	KAREN M. PIGG	512 N. BURRINGTON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
59	209615547277	DONALD F. IHLEFELD & DEE ANNE CROCKER		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
60	209615547282	CHRISTOPHER C. POE & SHENNA E. POE	504 N. BURRINGTON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
61	209615547197	CHRISTIAN M. CONRAD		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
62	209615548102	CHRISTIAN M. CONRAD	414 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		

\*NOW OR FORMERLY

TABLE 1 - OWNER INFORMATION									
PARCEL #	PIN	OWNER NAME	ADDRESS	TOWNSHIP	CITY	COUNTY	STATE	DEED BOOK	PAGE NUMBER
63	209615548472	GREGORY L. GREEN	519 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
64	209615548389	WILLIE L. EVANS & SADIE EVANS	517 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
65	209615548386	CHARLES HARPER & JAMES M. HAPER III		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
66	209615548390	RALPH H. PARKER ET UX.	511 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
67	209615549222	KIMS BEACH HOUSE KBH, LLC.		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
68	209615549137	NELSON E. ADAMS	503 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
69	209615549134	NELSON E. ADAMS & YVONNE ADAMS		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
70	209615640477	FREDERICK B. FOX & MARGARET B. FOX	520 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
71	209615640484	DAN DOTSON & TOM BRENNAN		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
72	209615640491	EVANS 1996 FAMILY LIMITED PARTNERSHIP		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
73	209615641307	LYNN CLARK SANDERS	514 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
74	209615641312	TERESA NANNETTE PARKER	510 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
75	209615641228	EVANS 1996 FAMILY LIMITED PARTNERSHIP		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
76	209615641201	HUNT FAMILY TRUST	316 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
77	209615641272	LINDA A. MURAKATA	312 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
78	209615642500	BELYNDA GAIL CHAMBERS REV TRUST	519 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
79	209615642417	ROBERT F. FITCH & MADELAINE L. FITCH	517 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
80	209615642414	LIUTHER H. DISHMAN & CYNTHIA DISHMAN	515 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
81	209615642421	LIUTHER H. DISHMAN & CYNTHIA DISHMAN		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
82	209615642337	JACKIE FOWLER & JUDY FOWLER	511 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
83	209615642334	COUNTY OF BRUNSWICK		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
84	209615642341	DARYLE L. PARKER TRUSTEE ET AL.	507 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
85	209615642258	WILLIE L. GORE	505 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
86	209615642242	EDWARD I. CLEMMONS		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
87	209615643204	ALMARY HEIRS PHELPS	302 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
88	209615644514	WILLIE WENBERG PARKER	520 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
89	209615644429	JENNIFER A. MIKKELSON & ERIC J. MIKKELSON	516 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
90	209615644435	LAURA SMITH	514 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
91	209615644442	CHRISTOPHER T. HUGHES & PAMELA J. HUGHES	512 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
92	209615644352	MARY K. & JACK GOEHRING TRUSTEES		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
93	209615645303	MATTIE P. WILLIAMS		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
94	209615645321	MATTIE P. WILLIAMS		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
95	209615645500	CHARLOTTE M. JENKINS & RAY B. JENKINS	205 W. LEONARD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
96	209615645344	MATTIE P. WILLIAMS	210 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
97	209615645545	RON C. WINBORNE SR.	203 W. LEONARD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
98	209615645597	THADDEUS T. HILL JR. & PAMELA R. HILL	519 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
99	209615645498	TED F. KING & NELLIE KING	511 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
100	209615645385	THREE IN ONE INVESTMENTS, LLC.	206 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
101	209615646345	MOUNT CARMEL AME CHURCH	507 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
102	209615647645	JOSEPH L. BOYETTE	518 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
103	209615647567	CURTIS G. FRINK & JWANTANA FRINK	516 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
104	209615647572	PATRICK A. FORD & SHANNON H. FORD	512 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
105	209615647488	ALEXIS GORE GRAVES & ERNEST CLAYTON GRAVES	510 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
106	209615647495	MICHAEL C. MCGHEE & PATRICIA F. MCGHEE	508 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
107	209615647492	ALANNA CHARISE DAVIS	506 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
108	209615648317	PYTHAGORAS LODGE NO 6	504 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
109	209615649611	ANGLEA B. COGGINS & ALAN A. MCDONALD	511 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
110	209615649772	MARY BJONG	517 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
111	209615648482	CROCKER DEE TRUSTEE	116 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
112	209615649417	DBI VILLAGES PROPERTIES, LLC.	509 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
113	209615649431	ALBERTA MCLEOD	112 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
114	209615740520	SCOTT M. BENNETT SR. & DONNA M. BENNETT	507 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
115	209615649472	MICHAEL K. SCANLON & CONSTANCE J. SCANLON	110 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
116	209615740422	LIZZIE M. SMITH ET AL.	108 W. ST. GEORGE ST UNIT 1	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
117	209615740481	JAMILAS PROPERTIES, LLC.	501 N. HOWE ST 503 N. HOWE ST 505 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
118	209615641051	WILLIE WENBERG PARKER		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
119	209615642013	GEORGE K. BRANSWELL & ASHLEY J. BRANSWELL	309 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
120	209615632904	WILLIE WENBERG PARKER	418 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		

\*NOW OR FORMERLY

\*SEE SHEET 3 FOR ADDITIONAL OWNER INFORMATION "TABLE 1"

\*SEE SHEET 8 FOR MONITORING WELLS TABLE

PRELIMINARY - NOT FOR RECORDATION,  
SALES OR CONVEYANCES



**SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT  
REMEDIATION**

OWNER AND PROPERTY ADDRESS: SEE TABLE 1  
CONTAMINATION SOURCE: FORMER TOWINGATE CLEANERS, DSCA SITE ID DC100001  
FORMER DRY-CLEANER ADDRESS: 715 NORTH HOWE STREET,  
SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC  
CURRENT SOURCE PROPERTY ADDRESS: 701 NORTH HOWE STREET, 715 NORTH HOWE STREET,  
AND 108 WEST OWENS STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC

NCBELS: P-1132

FILE NO. NS192032	<b>BOHLER</b> www.bohlerengineering.com	4130 PARKLAKE AVENUE, SUITE 130 RALEIGH, NORTH CAROLINA 27612 919.578.90
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TABLE 1 - OWNER INFORMATION

PARCEL #	PIN	OWNER NAME	ADDRESS	TOWNSHIP	CITY	COUNTY	STATE	DEED BOOK	PAGE NUMBER
121	209615632910	STEVEN R. ALLRED & JULIA ALLRED		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
122	209615632816	STEVEN R. ALLRED & JULIA ALLRED	408 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
123	209615632823	ROBERT C. MENCHES & LYNN WELLBORN MENCHES	406 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
124	209615632830	ROBERT C. MENCHES & LYNN WELLBORN MENCHES		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
125	209615632747	DAVID WARREN BROCK & SHERRY M. BROCK	404 CLARENDON AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
126	209615642064	STEPHEN BOWLES & REBECCA BOWLES	307 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
127	209615642095	ANN R. ARROYAS	303 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
			305 W. ST. GEORGE ST						
128	209615643045	TIMOTHY L. DAVIS & DOROTHY P. DAVIS	415 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
129	209615633936	MELANIE G. SULIK	413 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
130	209615633933	MARJORIE JACKSON ET AL.	411 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
131	209615633848	DARYLE L. PARKER & DONNA PARKER	407 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
132	209615633862	SHEILA M. ROBERTS & WILLIAM S. ROBERTS	403 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
133	209615645016	OLIVIA S. GORE	211 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
134	209615635941	JUDY GORDON & SHARONA MCCLAIN	400 N. CASWELL AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
135	209615645068	WANDA G. JOHNSON	209 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
136	209615645098	WILLIAM H. BROWN	207 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
137	209615636913	KAREN A. FOELL & CLIFFORD J. FOELL	208 W. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
138	209615646029	ISABELLE ANDERSON	205 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
139	209615636974	DONALD FRANCIS & FRANCES EVA PATTERSON	206 W. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
140	209615647007	ALICE L. GORE	411 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
141	209615646195	DOROTHY M. HEWETT	419 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
142	209615647031	ERNESTINE W. SLADE & JULIA A. SWAIN	409 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
143	209615637922	BEARY ABRUNDERLON SLADE		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
144	209615637953	ROSEMARY ROUEN		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
145	209615648179	GAIL CLEMENTS	420 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
146	209615648181	JAMES C. BENZIE & DIANE L. BENZIE	412 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
147	209615649006	FLORENCE GORDON	410 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
148	209615638997	DAVID A. FOSTER & ROBBYN M. FOSTER	402 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
149	209615639938	DAVID A. FOSTER & ROBBYN M. FOSTER		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
150	209615649157	NORMAN WESLEY JONES	113 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
151	209615649081	PATRICE FRINK	114 W. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
152	209615649198	GLORIA IRENE HANKINS		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
153	209615740032	ELIZABETH HEIRS BROWN		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
154	209615740128	GLOIDA IRENE HANKINS		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
155	209615740062	MARTHA S. MOORE & EDDIE MOORE		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
156	209615740245	CAROLYN G. HANKINS	105 W. ST. GEORGE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
157	209615741205	ARLENE MINCHEW	417 N. HOWE ST UNIT A	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
		ADMIRAL HOLDINGS, LLC.	417 N. HOWE ST UNIT B						
		REGINA JOHNSON TRUSTEE	417 N. HOWE ST UNIT C						
158	209615741106	ALEYAH MCKENZIE-MUHAMMAD	411 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
159	209615740189	VALERIA LANE		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
160	209615741220	VALERIA LANE	413 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
161	209615741113	DELORES Y. ADAMS & NELSON E. ADAMS	409 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
162	209615741121	LATRISHA N. DYE	407 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
163	209615741047	HELEN D. MOORE		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
164	209615741000	HAZEL R. PAIT	106 W. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
165	209615741021			SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
166	209615741063	HELEN D. MOORE	403 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
167	209615731979	BLANEY WILLIAMS	102 W. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
168	209615730725	PATRICIA A. CARNEY	320 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
169	209615730766	BARTLETT PROPERTIES		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
170	209615639679	JOHN ALLAN LEWIS & MARYLAN KAY LEWIS	314 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
171	209615639685	WILLIAM ANDREW & PATRICIA L. WEHMER	312 N. LORD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
172	209615639597	JAN RAY MYERS & TONYA B. MYERS REVOCABLE TRUST	120 W. WEST ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
173	209615730640	HOLLY HENDERSON METZEROTT	116 W. WEST ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
174	209615730599	JANE LOWE DAVIS TRUST ET AL.	114 W. WEST ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
175	209615731830	MARTHA A. EDWARDS	107 W. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
176	209615731666	LINDA PORTER KELLY	106 W. WEST ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
177	209615731894	HOWES THE PLACE, INC.	319 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
178	209615732800	MARTHA EDWARDS	315 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
179	209615732734	STEPHEN L. PHIPPS AT AL.	309 N. HOWE ST UNIT 2	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
			309 N. HOWE ST UNIT 1						
180	209615732649	307 NORTH HOWE, LLC.	307 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
181	209615732655	LYNN V. BRITT	305 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
182	209615732651	SKEDMONDS, LLC.	303 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
183	209615732567	LAWRENCE B. DRIVER & LAURIE DRIVER	301 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
184	209615741782	PAUL M. SWENSON & MARIA TILLING	524 N. HOWE ST UNIT B	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
			524 N. HOWE ST UNIT A						
185	209615742621	KELLEY HOSPITALITY, LLC.	512 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
			514 N. HOWE ST						
186	209615742541	BRADLEY SIMMONS & HAROLD WALDER	508 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
187	209615742457	CELESTE DANJOLELL		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
188	209615742453	CELESTE DANJOLELL	424 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		

\*NOW OR FORMERLY

TABLE 1 - OWNER INFORMATION

PARCEL #	PIN	OWNER NAME	ADDRESS	TOWNSHIP	CITY	COUNTY	STATE	DEED BOOK	PAGE NUMBER
189	209615742377	LKG 3, LLC.	422 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
190	209615742383	RONNIE E. & REBECCA R. FUNDERBURKE	420 N. HOWES T	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
191	209615742390	RONNIE E. & REBECCA R. FUNDERBURKE	418 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
192	209615743206	RONNIE E. & REBECCA R. FUNDERBURKE	416 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
193	209615743212	H BERRY MANAGEMENT GROUP, LLC.	414 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
194	209615743129	HASU PROPERTIES, LLC.		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
195	209615742192	HASU PROPERTIES, LLC.	412 N. HOWE ST UNIT 1	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
			412 N. HOWE ST UNIT 2						
			412 N. HOWE ST UNIT 3						
			412 N. HOWE ST UNIT 4						
			412 N. HOWE ST UNIT 5						
			412 N. HOWE ST UNIT 6						
			412 N. HOWE ST UNIT 7						
196	209615743014	JOHN L. BARBEE JR & SHEILA BARBEE	101 E. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
197	209615743160	PELEUSES HOLDINGS, LLC.	105 E. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
198	209615742797	BRENDA L. GREGORY	112 E. LEONARD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
199	209615743769	KATHLEEN BALLARD MURRAY REV TRUST	116 E. LEONARD ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
200	209615743722	EDWARD NEIL LEWIS	517 N. ATLANTIC AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
201	209615743646	DAVID S. MITCHELL	513 N. ATLANTIC AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
202	209615743661	TODD WILEY GREER & AMY JAMES GREER	509 N. ATLANTIC AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
203	209615743573	CECIL C. FRANK & EULA MAE	503 N. ATLANTIC AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
204	209615743498	KATHRYN KALMANSON	501 N. ATLANTIC AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
205	209615744248	LKG 6, LLC.	411 N. ATLANTIC AVE UNIT 16	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
			411 N. ATLANTIC AVE UNIT 17						
			417 N. ATLANTIC AVE UNIT 14						
			417 N. ATLANTIC AVE UNIT 15						
206	209615744290	SHIRLEY HAITHCOX	407 N. ATLANTIC AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
207	209615744046	SUSAN OTIS FARLEY	203 E. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
208	209615744079	KATHRYN GRACE FINCHER	205 E. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
209	209615744191	MARIA F. TILLING	207 E. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
210	209616745167	JASON C. HUNEYCUTT & KIMBERLY C. HUNEYCUTT	405 N. ATLANTIC AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
211	209616745183	ROSA ANDERSON WALKER	213 E. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
212	209615733846	CITY OF SOUTHPORT	320 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
213	209615733786	SOUTHPORT ROSARIO, LLC.	310 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
214	209615734701	DAVID PITTMAN & PAULA PITTMAN	306 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
215	209615734618	LISA J. BOTNICK	302 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
216	209615734643	TRINITY UNITED METHODIST CHURCH OF SOUTHPORT, INC.	300 N. HOWE ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
217	209616746504	HAZEL ROBBINS TROTT	502 N. ATLANTIC AVE	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
218	209616747334	HENRY FOY FAMILY LMTD PARTNERSHIP	402 N. ATLANTIC AVE UNIT 1	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
			402 N. ATLANTIC AVE UNIT 2						
			402 N. ATLANTIC AVE UNIT 3						
			404 N. ATLANTIC AVE UNIT 4						
			404 N. ATLANTIC AVE UNIT 5						
			404 N. ATLANTIC AVE UNIT 6						
			410 N. ATLANTIC AVE UNIT 7						
			410 N. ATLANTIC AVE UNIT 8						
			410 N. ATLANTIC AVE UNIT 9						
			414 N. ATLANTIC AVE UNIT 10						
			414 N. ATLANTIC AVE UNIT 11						
			414 N. ATLANTIC AVE UNIT 12						
219	209616748492	ROBERT G. & MICHELLE P. REASSO	313 E. BROWN ST UNIT A	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
		THOMAS J. & PATRICIA A. MARKUSZKA	313 E. BROWN ST UNIT B						
		KIMBERLY JAYNE FREEMAN	313 E. BROWN ST UNIT C						
		RAEFORD & WILLA P. DAUGHTRY	313 E. BROWN ST UNIT D						
		GEORGE G. SLADE & AMY M. SHARPE	313 E. BROWN ST UNIT E						
		DAVID E. ANDERSON	313 E. BROWN ST UNIT F						
		ANDERSON LIVING TRUST	313 E. BROWN ST UNIT G						
		HENRY M. LONG ET UX.	313 E. BROWN ST UNIT H						
220	209616841605	CITY OF SOUTHPORT		SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		
221	209616842631	OLDE SOUTHPORT HOMEOWNERS ASSOCIATION	331 E. BROWN ST	SMITHVILLE	SOUTHPORT	BRUNSWICK	NC		

\*NOW OR FORMERLY

\*SEE SHEET 3 FOR ADDITIONAL OWNER INFORMATION "TABLE 1"

\*SEE SHEET 8 FOR MONITORING WELLS TABLE

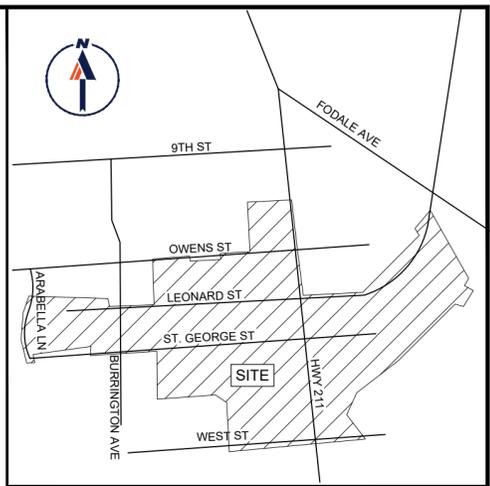
PRELIMINARY - NOT FOR RECORDATION,  
SALES OR CONVEYANCES

**LEGEND**

- LINE SURVEYED
- - - - LINE NOT SURVEYED
- - - - ADJACENT PROPERTY LINE NOT SURVEYED
- IPS IRON PIPE SET
- IPF IRON PIPE FOUND
- IRF IRON REBAR FOUND
- NLF NAIL FOUND
- SF SPIKE FOUND
- AXF AXLE FOUND
- DHF DRILL HOLE FOUND
- NOW OR FORMERLY COMPUTED POINT
- SOIL BORING
- MONITORING WELL
- WATER SUPPLY WELL LOCATION
- BUILDING

\*SEE SHEETS 2 & 3 FOR OWNER INFORMATION "TABLE 1"

\*SEE SHEET 8 FOR MONITORING WELLS TABLE



VICINITY MAP  
NOT TO SCALE



SB-14

SB-23

SB-24

MW-12

N/F  
HAYWOOD EQUITY GROUP LP  
PIN: 209611657491  
DB 4170, PG 892  
MAP CABINET 112, PG 87  
SB-22

N/F  
RALPH A. DICKSON III  
PIN: 209611656338  
DB 2317, PG 1256

CONTROL POINT  
'IRON PIPE'  
NC STATE PLANE  
GRID COORDINATES:  
N: 65,139,850'  
E: 2,296,606.911'

CONTROL POINT  
'IRON REBAR & CAP'  
NC STATE PLANE  
GRID COORDINATES:  
N: 65,125.371'  
E: 2,296,572.371'

OWEN STREET  
80' RIGHT-OF-WAY  
CONDO BOOK 10, PG 550

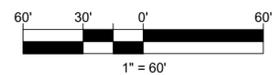
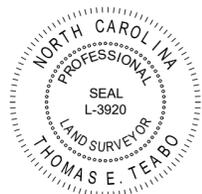
OWEN STREET  
80' RIGHT-OF-WAY  
CONDO BOOK 10, PG 550

NORTH HOWE STREET  
VARIABLE WIDTH RIGHT-OF-WAY  
CONDO BOOK 10, PG 580

WEST LEONARD STREET  
VARIABLE WIDTH RIGHT-OF-WAY  
MAP CABINET 36, PG 294

MATCHLINE  
SEE SHEET 6

PRELIMINARY - NOT FOR RECORDATION,  
SALES OR CONVEYANCES



**SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT**

**REMEDATION**  
OWNER AND PROPERTY ADDRESS: SEE TABLE 1  
CONTAMINATION SOURCE: FORMER TOWINGATE CLEANERS, DSCA SITE ID DC100001  
FORMER DRY-CLEANER ADDRESS: 715 NORTH HOWE STREET,  
SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC  
CURRENT SOURCE PROPERTY ADDRESS: 701 NORTH HOWE STREET, 715 NORTH HOWE STREET,  
AND 108 WEST OWENS STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC

FILE NO.  
NS192032  
DATE  
03/22/2022  
FIELD DATE  
11/01/2019



CREW CHIEF	DRAWN	REVIEWED	APPROVED	SCALE	DWG. NO.
RJ	BG	TET	TET	1" = 60'	4 OF 9

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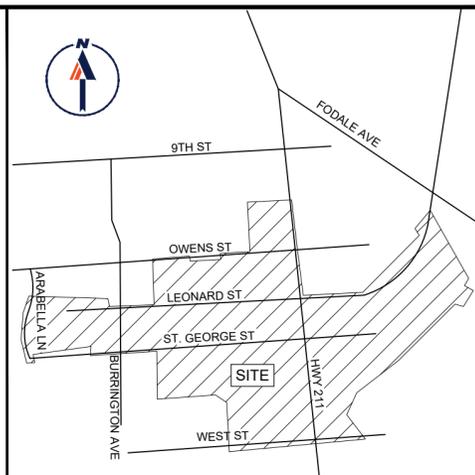


**LEGEND**

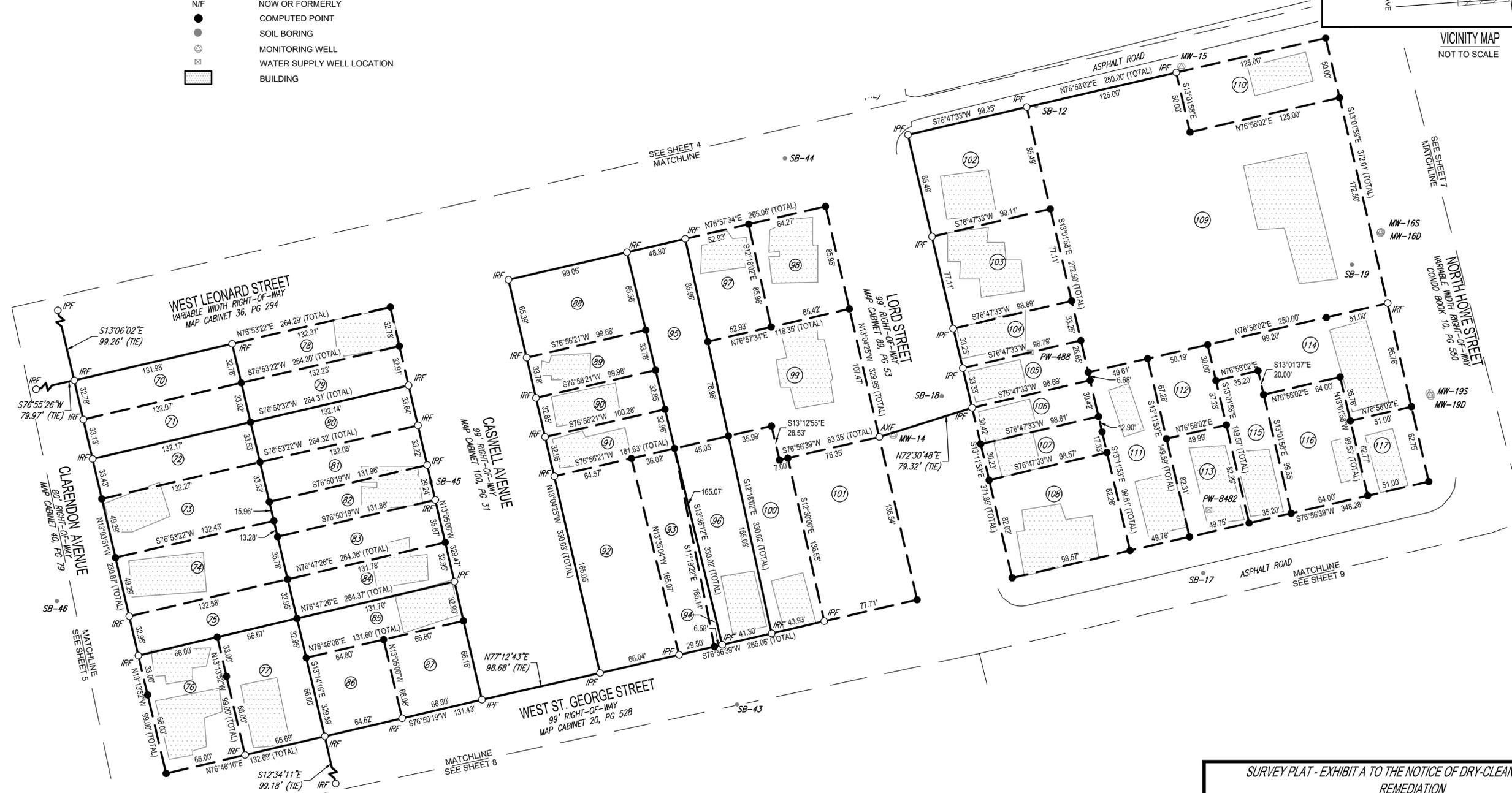
- LINE SURVEYED
- - - LINE NOT SURVEYED
- - - ADJACENT PROPERTY LINE NOT SURVEYED
- IPS IRON PIPE SET
- IPF IRON PIPE FOUND
- IRF IRON REBAR FOUND
- NLF NAIL FOUND
- SF SPIKE FOUND
- AXF AXLE FOUND
- DHF DRILL HOLE FOUND
- N/F NOW OR FORMERLY
- COMPUTED POINT
- SOIL BORING
- MONITORING WELL
- WATER SUPPLY WELL LOCATION
- ▭ BUILDING

\*SEE SHEETS 2 & 3 FOR OWNER INFORMATION "TABLE 1"

\*SEE SHEET 8 FOR MONITORING WELLS TABLE

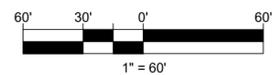
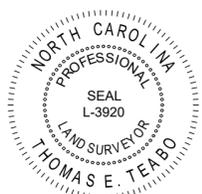


VICINITY MAP  
NOT TO SCALE



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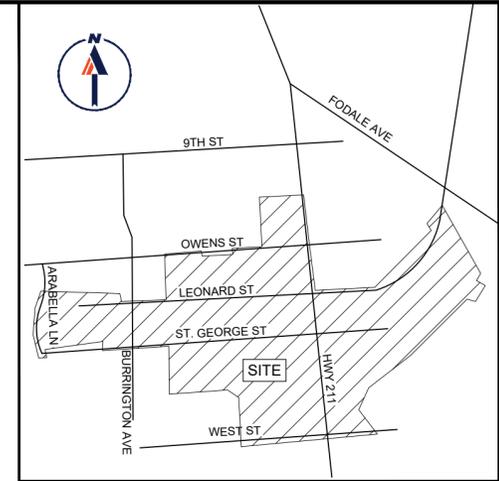
**SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT  
REMEDiation**  
 OWNER AND PROPERTY ADDRESS: SEE TABLE 1  
 CONTAMINATION SOURCE: FORMER TOWINGATE CLEANERS, DSCA SITE ID DC100001  
 FORMER DRY-CLEANER ADDRESS: 715 NORTH HOWE STREET,  
 SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC  
 CURRENT SOURCE PROPERTY ADDRESS: 701 NORTH HOWE STREET, 715 NORTH HOWE STREET,  
 AND 108 WEST OWENS STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC

FILE NO. NS192032	<b>BOHLER</b> 4130 PARKLAKE AVENUE, SUITE 130 RALEIGH, NORTH CAROLINA 27612-9199 www.bohlerengineering.com
DATE 03/22/2022	
FIELD DATE 11/01/2019	CREW CHIEF RJ
DRAWN BG	REVIEWED TET/JT
APPROVED TET	SCALE 1" = 60'
DWG. NO. 6 OF 9	

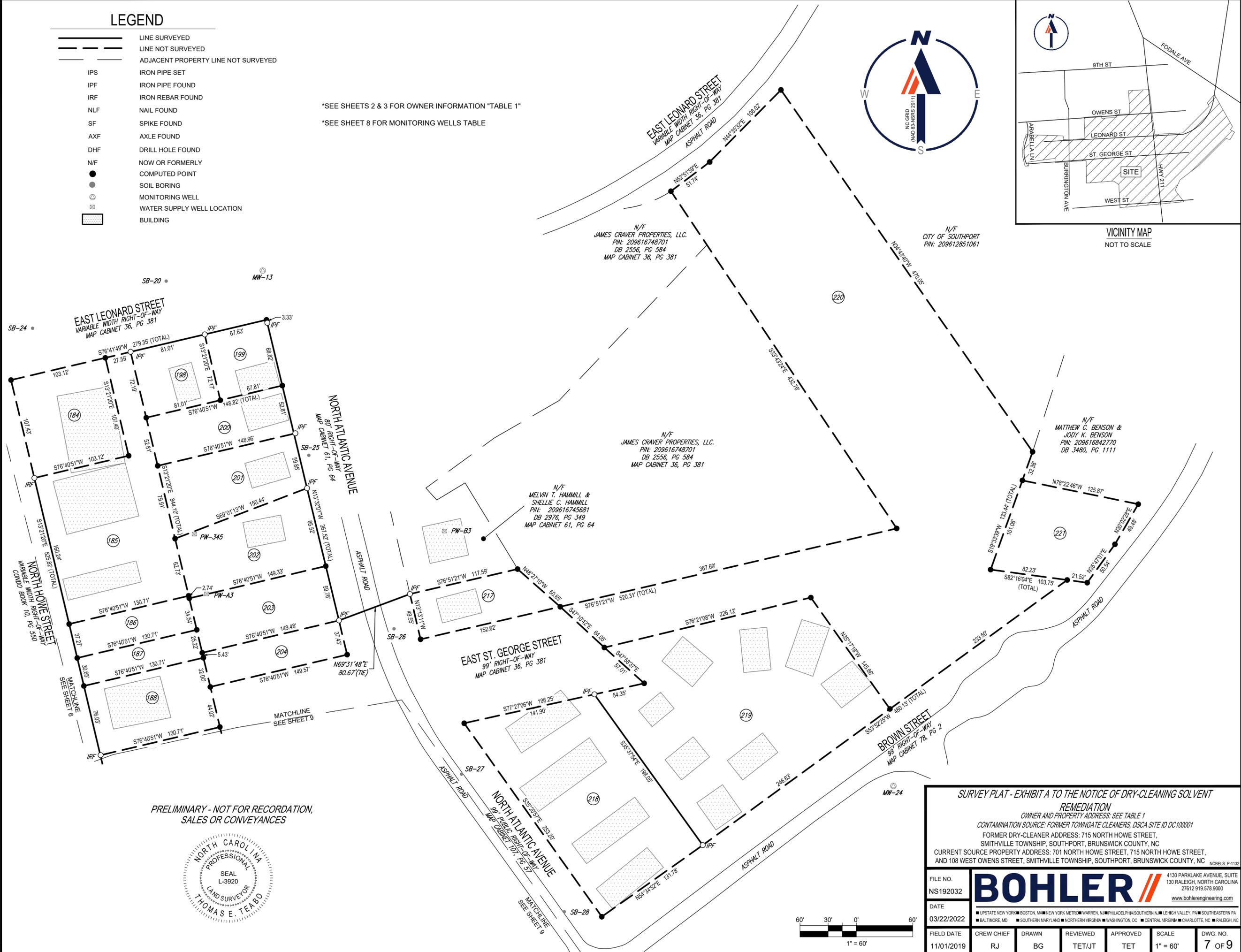
**LEGEND**

- LINE SURVEYED
- - - LINE NOT SURVEYED
- - - ADJACENT PROPERTY LINE NOT SURVEYED
- IPS IRON PIPE SET
- IPF IRON PIPE FOUND
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- AXF AXLE FOUND
- DHF DRILL HOLE FOUND
- N/F NOW OR FORMERLY
- COMPUTED POINT
- SOIL BORING
- ⊙ MONITORING WELL
- ⊕ WATER SUPPLY WELL LOCATION
- ▭ BUILDING

\*SEE SHEETS 2 & 3 FOR OWNER INFORMATION "TABLE 1"  
 \*SEE SHEET 8 FOR MONITORING WELLS TABLE



VICINITY MAP  
NOT TO SCALE



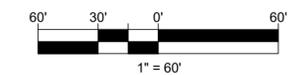
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**SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION**  
 OWNER AND PROPERTY ADDRESS: SEE TABLE 1  
 CONTAMINATION SOURCE: FORMER TOWINGATE CLEANERS, DSCA SITE ID DC100001  
 FORMER DRY-CLEANER ADDRESS: 715 NORTH HOWE STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC  
 CURRENT SOURCE PROPERTY ADDRESS: 701 NORTH HOWE STREET, 715 NORTH HOWE STREET, AND 108 WEST OWENS STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC

FILE NO. NS192032	<b>BOHLER</b>				4130 PARKLAKE AVENUE, SUITE 130 RALEIGH, NORTH CAROLINA 27612 919.578.9000 www.bohlerengineering.com
DATE 03/22/2022	CREW CHIEF RJ	DRAWN BG	REVIEWED TET/JT	APPROVED TET	SCALE 1" = 60'
FIELD DATE 11/01/2019	DWG. NO. 7 OF 9				

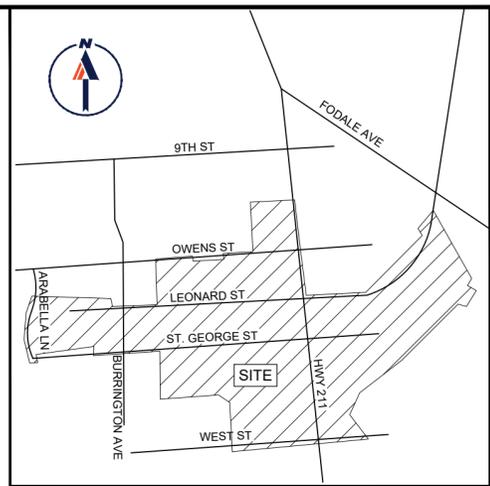


COORDINATE SYSTEM: US STATE PLANE 1983  
 ZONE: NORTH CAROLINA 3200  
 HORIZONTAL DATUM: NAD 83 (2011)  
 VERTICAL DATUM: NAVD 88 (GEOID 12B)  
 UNIT OF MEASURE: US SURVEY FEET

WELL ID	NORTHING	EASTING	ELEVATION
MW-1S/D	65257.12	2296714.32	18.52
MW-8CH	65148.00	2296741.60	16.44
MW-9WF	65146.43	2296731.33	16.35
MW-10CH	65267.91	2296714.51	18.72
MW-11WF	65262.60	2296716.77	18.64
MW-12	65458.72	2296504.77	18.71
MW-13	64891.26	2297381.90	12.32
MW-14	64435.12	2296681.36	19.64
MW-15	64736.06	2296916.01	16.77
MW-16S	64600.84	2297078.60	17.60
MW-16D	64600.16	2297078.13	17.58
MW-17S	64100.81	2297205.84	18.85
MW-17D	64100.15	2297206.40	18.83
MW-18	64365.43	2297549.60	18.71
MW-19S	64469.06	2297118.12	19.29
MW-19D	64467.11	2297119.15	19.80
MW-20	63832.92	2296445.66	21.27
MW-21S/D	63682.91	2296861.91	20.35
MW-22S	63591.16	2297517.94	20.49
MW-22D	63591.11	2297519.06	20.32
MW-23S/I/D	63829.70	2297936.70	18.24
MW-23S/I/D	63829.09	2297935.38	18.17
MW-23S/I/D	63827.96	2297936.63	18.25
MW-24	64341.08	2298053.06	15.66

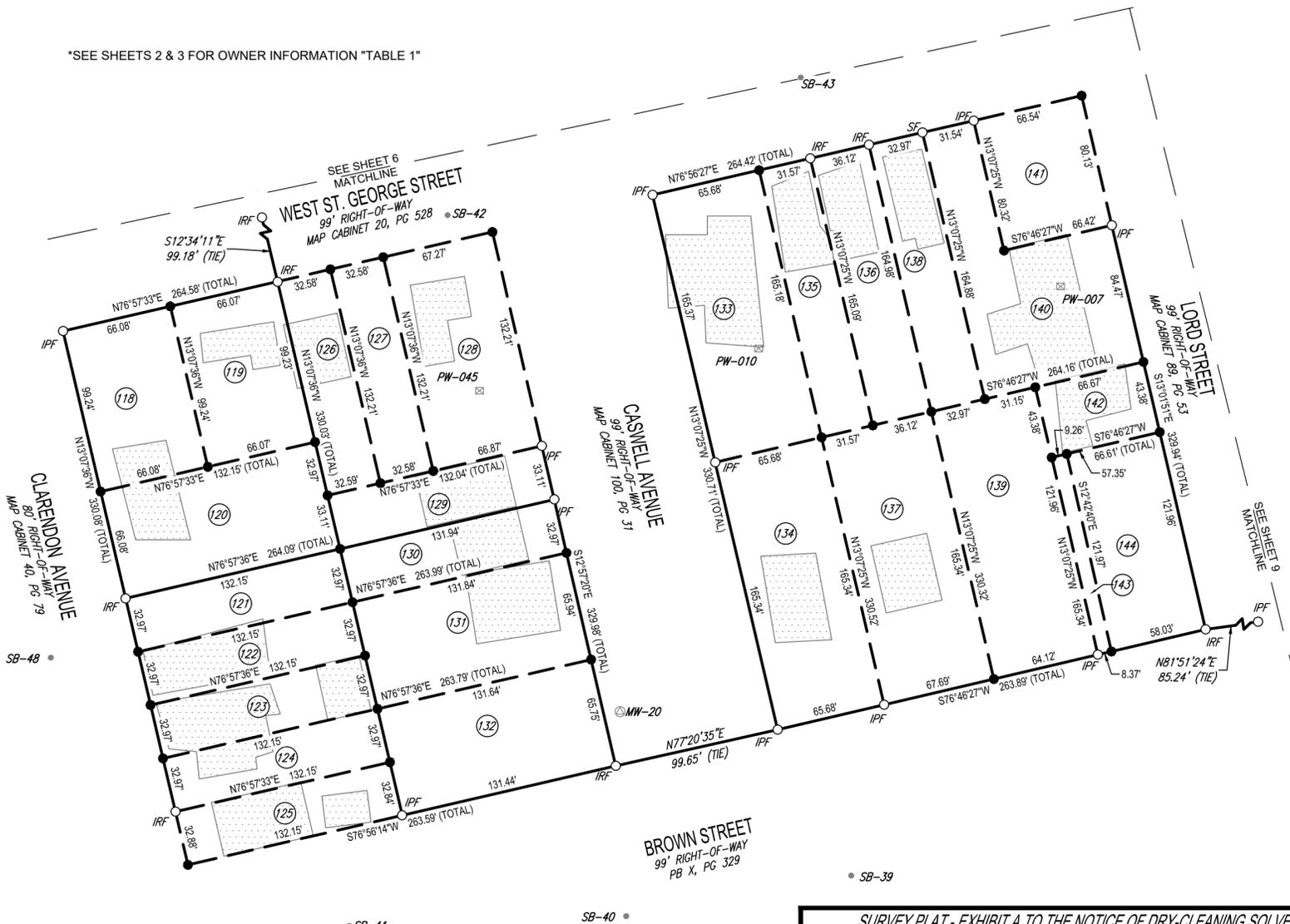
**LEGEND**

- LINE SURVEYED
- - - LINE NOT SURVEYED
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- IPF IRON PIPE FOUND
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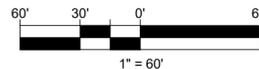
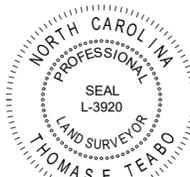
VICINITY MAP  
NOT TO SCALE

\*SEE SHEETS 2 & 3 FOR OWNER INFORMATION "TABLE 1"



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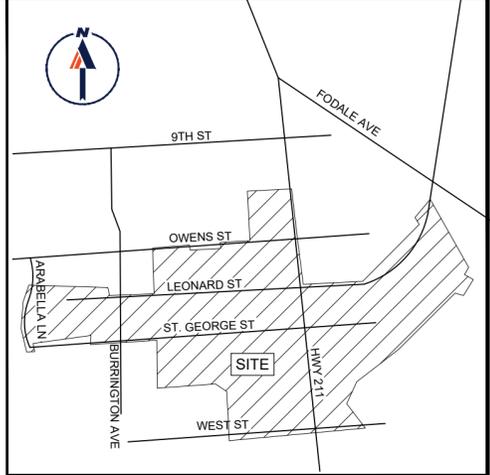
**SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION**

OWNER AND PROPERTY ADDRESS: SEE TABLE 1  
 CONTAMINATION SOURCE: FORMER TOWINGATE CLEANERS, DSCA SITE ID DC100001  
 FORMER DRY-CLEANER ADDRESS: 715 NORTH HOWE STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC  
 CURRENT SOURCE PROPERTY ADDRESS: 701 NORTH HOWE STREET, 715 NORTH HOWE STREET, AND 108 WEST OWENS STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC

FILE NO. NS192032	<b>BOHLER</b> 4130 PARKLAKE AVENUE, SUITE 130 RALEIGH, NORTH CAROLINA 27612 919.578.9000 www.bohlerengineering.com
DATE 03/22/2022	
FIELD DATE 11/01/2019	CREW CHIEF RJ
	DRAWN BG
	REVIEWED TET/JT
	APPROVED TET
	SCALE 1" = 60'
	DWG. NO. 8 OF 9

\*SEE SHEETS 2 & 3 FOR OWNER INFORMATION "TABLE 1"

\*SEE SHEET 8 FOR MONITORING WELLS TABLE



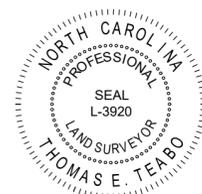
VICINITY MAP  
NOT TO SCALE



**LEGEND**

---	LINE SURVEYED
---	LINE NOT SURVEYED
---	ADJACENT PROPERTY LINE NOT SURVEYED
IPF	IRON PIPE SET
IPF	IRON PIPE FOUND
IRF	IRON REBAR FOUND
NLF	NAIL FOUND
SF	SPIKE FOUND
AXF	AXLE FOUND
DHF	DRILL HOLE FOUND
N/F	NOW OR FORMERLY
●	COMPUTED POINT
○	SOIL BORING
○	MONITORING WELL
○	WATER SUPPLY WELL LOCATION
▨	BUILDING

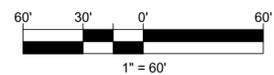
PRELIMINARY - NOT FOR RECORDATION,  
SALES OR CONVEYANCES



**SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT  
REMEDIATION**  
OWNER AND PROPERTY ADDRESS: SEE TABLE 1  
CONTAMINATION SOURCE: FORMER TOWINGATE CLEANERS, DSCA SITE ID DC100001  
FORMER DRY-CLEANER ADDRESS: 715 NORTH HOWE STREET,  
SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC  
CURRENT SOURCE PROPERTY ADDRESS: 701 NORTH HOWE STREET, 715 NORTH HOWE STREET,  
AND 108 WEST OWENS STREET, SMITHVILLE TOWNSHIP, SOUTHPORT, BRUNSWICK COUNTY, NC

FILE NO.	NS192032	<b>BOHLER</b>	4130 PARKLAKE AVENUE, SUITE 130 RALEIGH, NORTH CAROLINA 27612 919.578.9000										
DATE	03/22/2022		www.bohlerengineering.com										
FIELD DATE	11/01/2019	CREW CHIEF	RJ	DRAWN	BG	REVIEWED	TET/JT	APPROVED	TET	SCALE	1" = 60'	DWG. NO.	9 OF 9

BOHLER ENGINEERING, ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BOHLER ENGINEERING. THIS DOCUMENT IS THE PROPERTY OF BOHLER ENGINEERING AND IS TO BE KEPT CONFIDENTIAL.



**Appendix E-2:**

**Survey Plat for Property #6  
(Previously Recorded Plat)**



**Appendix E-3:**

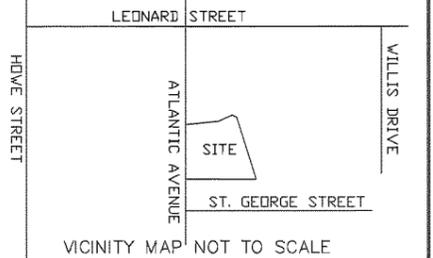
**Survey Plat for Property #7  
(Previously Recorded Plat)**

61164

# PLAT OF RECOMBINATION FOR JERRY SPENCER, JR.

B0061 P0064 09-09-2009  
15:06:50.000  
Brenda M. Clemmons  
Brunswick County, NC Register of Deeds page 1 of 1

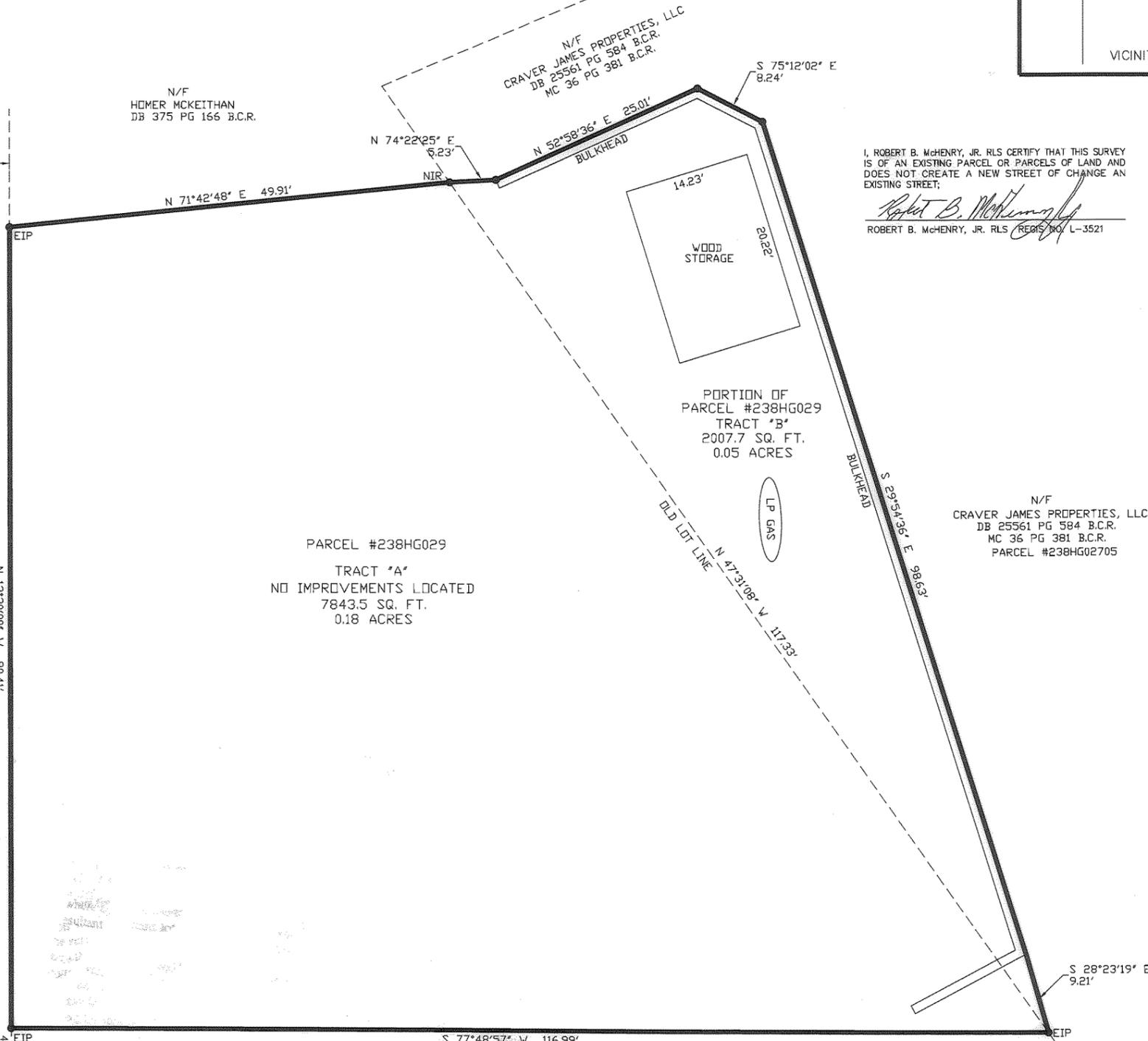
RECOMBINATION OF PARCEL#238HG029 & A PORTION OF PARCEL#238HG02705  
SMITHVILLE TOWNSHIP, BRUNSWICK COUNTY  
SOUTHPORT, NORTH CAROLINA



MAP Cabinet 61 Page 604 9-9-09 SZ



NORTH ATLANTIC AVENUE 80' R/W



PARCEL #238HG029  
TRACT 'A'  
NO IMPROVEMENTS LOCATED  
7843.5 SQ. FT.  
0.18 ACRES

PORTION OF  
PARCEL #238HG029  
TRACT 'B'  
2007.7 SQ. FT.  
0.05 ACRES

I, ROBERT B. McHENRY, JR. RLS CERTIFY THAT THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET;  
*Robert B. McHenry, Jr.*  
ROBERT B. McHENRY, JR. RLS REGS. NO. L-3521

STATE OF NORTH CAROLINA  
BRUNSWICK COUNTY  
I, ROBERT B. McHENRY, JR. CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL FIELD SURVEY MADE UNDER MY SUPERVISION; THAT THE RATIO OF PRECISION AS CALCULATED BY COMPUTER IS 10,000 +; THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION FOUND IN BOOKS REFERENCED. THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED.

WITNESS MY HAND AND SEAL THIS THE DAY DAY OF MONTH A.D. 2009.  
*Robert B. McHenry, Jr.*  
LAND SURVEYOR REGS. NO. L-3521



Not subject to subdivision review as per  
CITY OF SOUTHPORT  
SUBDIVISION REGULATIONS  
Section VII, K.,

1. The combination or recombination of portions of previously subdivided and recorded lots where the total number of lots is not increased and the resultant lots are equal to or exceed the standards of the city as shown by the regulations prescribed by this ordinance.

SIGN: *Robert B. McHenry, Jr.*  
DATE: 9-9-09

NOT SUBJECT TO SUBDIVISION REVIEW AS PER CITY OF SOUTHPORT SUBDIVISION REGULATIONS STATING, "THE COMBINATION OR RECOMBINATION OF PORTIONS OF PREVIOUSLY SUBDIVIDED AND RECORDED LOTS WHERE THE TOTAL NUMBER OF LOTS IS NOT INCREASED AND THE RESULTANT LOTS ARE EQUAL TO OR EXCEED THE STANDARDS CONTAINED HEREIN."

THIS PLAN HAS BEEN REVIEWED FOR EASEMENTS ONLY AND HAS BEEN APPROVED FOR EASEMENTS ONLY BY THE COUNTY ENGINEER.

COUNTY ENGINEER \_\_\_\_\_  
DATE \_\_\_\_\_

THE UNDERSIGNED HEREBY ACKNOWLEDGES THAT THE LAND SHOWN ON THIS PLAT IS WITHIN THE SUBDIVISION REGULATION AND JURISDICTION OF SOUTHPORT, N.C. AND THAT THIS PLAT ALLOTMENT IS MY FREE ACT AND DEED.

*Robert B. McHenry, Jr.*  
OWNERS SIGNATURE

EXCEPT AS SPECIFICALLY STATED OR SHOWN ON THIS PLAT, THIS SURVEY DOES NOT PURPORT TO REFLECT ANY OF THE FOLLOWING WHICH MAY BE APPLICABLE TO THE SUBJECT REAL ESTATE; EASEMENTS, OTHER THAN POSSIBLE EASEMENTS THAT WERE VISIBLE AT THE TIME OF MAKING OF THIS SURVEY; BUILDING SET-BACK LINES; RESTRICTIVE COVENANTS; SUBDIVISION RESTRICTIONS; ZONING OR OTHER LAND USE REGULATIONS AND ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.

THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES AND RECORDED DRAWINGS PROVIDED THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES.

DATE SURVEYED: AUGUST 26, 2009  
SURVEY BY: DW/BM  
DRAWN BY: C.KENNEDY  
SCALE: 1 INCH = 10 FEET  
JOB NUMBER: 09-0197  
FIELD BOOK: FILE

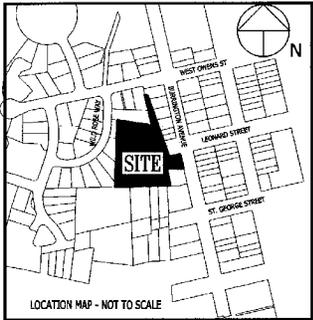
LEGEND:  
EIP = EXISTING IRON PIPE FOUND  
NIP = NEW IRON PIPE SET  
EIR = EXISTING IRON ROD FOUND  
NIR = NEW IRON ROD SET  
TBM = TEMPORARY BENCH MARK

**McHENRY SURVEYING**  
PROFESSIONAL LAND SURVEYOR  
P.O. BOX 433 - 8509 E. OAK ISLAND DR.  
OAK ISLAND, N.C. 28465  
TEL: 910-278-9874  
FAX: 910-278-3799

ADMINISTRATOR, CITY OF SOUTHPORT \_\_\_\_\_  
DATE \_\_\_\_\_

**Appendix E-4:**  
**Survey Plat for Properties #217 through #224**  
**(Previously Recorded Plat)**

10-15-21 MAP CABINET 132 PAGE 27



LEGEND table with symbols for PROPERTY LINE, LINE NOT SURVEYED, CENTER LINE, RIGHT OF WAY (L/W or R/W), DEED BOOK, PAGE, DRAINAGE INLET, ELECTRIC BOX, EXISTING CONCRETE MONUMENT, EXISTING IRON PIPE, EXISTING IRON ROD, EXISTING IRON NAIL, FIRE HYDRANT, MAP CABINET, PAGE, NEW IRON PIPE SET, SANITARY SEWER MANHOLE, WATER VALVE, 1/4" = 10' SHORT DISTANCE EASEMENT.

GENERAL NOTES:

- 1) PARCELS 237E00106, 237E00108 AND 237E00105.
2) ALL DISTANCES SHOWN ARE HORIZONTAL GROUND MEASURED IN FEET UNLESS OTHERWISE NOTED.
3) THIS MAP WAS DRAWN WITHOUT THE BENEFIT OF A COMPLETE TITLE SEARCH. THE OWNERSHIP INFORMATION WAS OBTAINED FROM THE RECORDS OF THE COUNTY REGISTRY.
4) AREAS COMPILED BY COORDINATE METHOD.
5) NO MOSS MONUMENT WITHIN 2000' OF SITE.
6) LOCAL ZONING: R-10.

TITLE REFERENCES table listing D.B. 3615, PG. 567 (SUBJECT TRACT); M.C. 87, PG. 55; M.C. 36, PG. 296; D.B. 3771, PG. 550; M.C. 37, PG. 47; D.B. 1582, PG. 398; M.C. 26, PG. 257; D.B. 4, PG. 123; M.C. 11, PG. 235; D.B. 1594, PG. 1315; BRUNSWICK COUNTY REGISTRY.

THE PREMISES IS WITHIN A NON-FLOOD HAZARD AREA (ZONE 'X') ACCORDING TO THE FLOOD INSURANCE RATE MAP FOR CITY OF SOUTHPORT, BRUNSWICK COUNTY, NORTH CAROLINA (COMMUNITY PANEL NO. 370028 2096 K, EFFECTIVE DATE 8-28-2018).

I, STEVEN L. BUIE, CERTIFY:

THAT THE SURVEY CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND;

I, STEVEN L. BUIE, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THE DIMENSIONS NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN (SEE TITLE REFERENCES); THAT THE DATE OF PRECISION OR POSITIONAL ACCURACY AS CALCULATED IS 1:10,000; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-13 AS AMENDED; WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 14th DAY OF SEPTEMBER, 2021.

Steven L. Buié, PLS L-3402 SEAL



CERTIFICATE OF REGISTRATION BY REGISTER OF DEEDS BRUNSWICK COUNTY NORTH CAROLINA

FILED FOR REGISTRATION ON THE DAY OF SEPTEMBER 2021 AT A.M./P.M. AND DULY RECORDED IN MAP BOOK AT PAGE

BRENDA M. CLEMMONS REGISTER OF DEEDS

REVIEW OFFICER CERTIFICATE

I, [Signature], REVIEW OFFICER OF BRUNSWICK COUNTY, N.C. CERTIFY THAT THE MAP TO WHICH THIS CERTIFICATE IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

[Signature] MAP REVIEW OFFICER

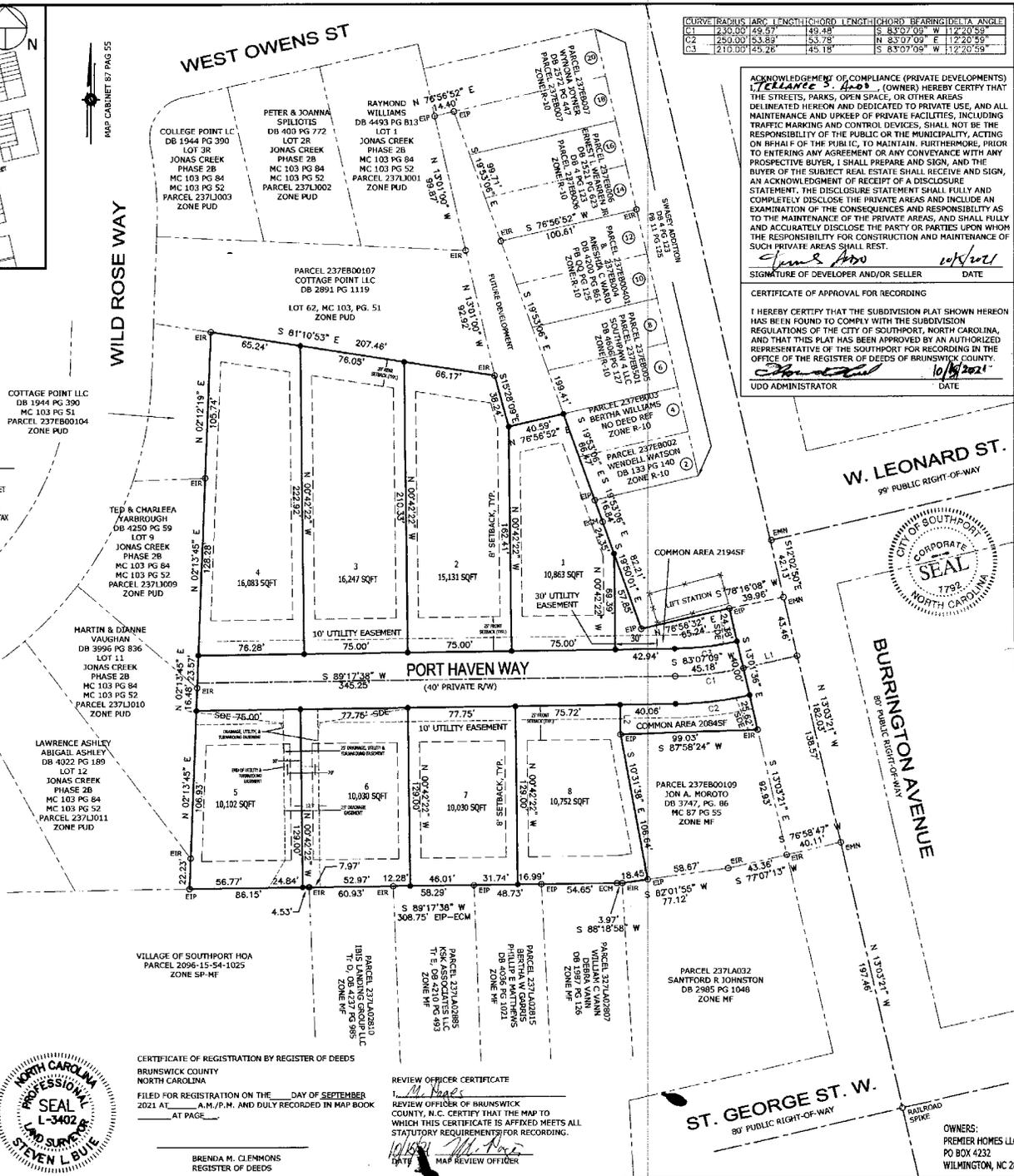


Table with columns: CURVE, RADIUS, ARC, LENGTH, CHORD, LENGTH, CHORD, BEARING, DELTA, ANGLE. It lists curve data for various points on the plat.

ACKNOWLEDGEMENT OF COMPLIANCE (PRIVATE DEVELOPMENTS) TOLLANCE S. 4003 (OWNER) HEREBY CERTIFY THAT THE STREETS, PARKS, OPEN SPACE, OR OTHER AREAS DELINEATED HEREON AND DEDICATED TO PRIVATE USE, AND ALL MAINTENANCE AND UPKEEP OF PRIVATE FACILITIES, INCLUDING TRAFFIC MARKING AND CONTROL DEVICES, SHALL NOT BE THE RESPONSIBILITY OF THE PUBLIC OR THE MUNICIPALITY, ACTING ON BEHALF OF THE PUBLIC, TO MAINTAIN, REPAIR, REPLACE, PRIOR TO ENTERING ANY AGREEMENT OR ANY CONVEYANCE WITH ANY PROSPECTIVE BUYER, I SHALL PREPARE AND SIGN, AND THE BUYER OF THE SUBJECT REAL ESTATE SHALL RECEIVE AND SIGN, AN ACKNOWLEDGEMENT OF RECEIPT OF A DISCLOSURE STATEMENT. THE DISCLOSURE STATEMENT SHALL FULLY AND COMPLETELY DISCLOSE THE PRIVATE AREAS AND INCLUDE AN EXAMINATION OF THE CONSEQUENCES AND RESPONSIBILITY AS TO THE MAINTENANCE OF THE PRIVATE AREAS, AND SHALL FULLY AND ACCURATELY DISCLOSE THE PARTY OR PARTIES UPON WHOM THE RESPONSIBILITY FOR CONSTRUCTION AND MAINTENANCE OF SUCH PRIVATE AREAS SHALL REST.

CERTIFICATE OF APPROVAL FOR RECORDING I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON HAS BEEN FOUND TO COMPLY WITH THE SUBDIVISION REGULATIONS OF THE CITY OF SOUTHPORT, NORTH CAROLINA, AND THAT THIS PLAT HAS BEEN APPROVED BY AN AUTHORIZED REPRESENTATIVE OF THE SOUTHPORT FOR RECORDING IN THE OFFICE OF THE REGISTER OF DEEDS OF BRUNSWICK COUNTY.

CERTIFICATE OF APPROVAL OF THE PRELIMINARY/FINAL PLAT BY THE SOUTHPORT BOARD OF ALDERMEN I HEREBY APPROVE OR APPROVES CONDITIONALLY THE (PRELIMINARY OR FINAL PLAT) OF THE HAVEN SUBDIVISION. IF APPROVED CONDITIONALLY, THE SPECIFIC CONDITIONS SHALL BE LISTED.

CERTIFICATE OF APPROVAL OF THE DESIGN AND INSTALLATION OF STREETS, UTILITIES, AND OTHER REQUIRED IMPROVEMENTS: THE UNDERSIGNED HEREBY CERTIFIES THAT THE REQUIRED IMPROVEMENTS (IMPROVEMENTS), HAVE BEEN INSTALLED IN AN ACCEPTABLE MANNER AND IN ACCORDANCE WITH THE REGULATIONS OF THE CITY OF SOUTHPORT UNITED DEVELOPMENT ORDINANCE.

CERTIFICATE OF DISCLOSURE, CITY OF SOUTHPORT FLOODPLAIN MANAGEMENT REGULATIONS I/WE HEREBY CERTIFY THAT PRIOR TO ENTERING ANY AGREEMENT OR ANY CONVEYANCE WITH A PROSPECTIVE BUYER, I/WE SHALL PREPARE AND SIGN, AND THE BUYER OF THE SUBJECT REAL ESTATE SHALL RECEIVE AND SIGN A STATEMENT WHICH FULLY AND ACCURATELY DISCLOSES THAT THE SUBJECT REAL ESTATE, OR A PORTION OF THE SUBJECT REAL ESTATE, IS LOCATED WITHIN A FLOOD HAZARD AREA AND THAT THE BUYER MUST SATISFY THE REQUIREMENTS OF CITY OF SOUTHPORT FLOODPLAIN MANAGEMENT REGULATIONS PRIOR TO THE ISSUANCE OF BUILDING PERMITS.

CERTIFICATE OF DISCLOSURE, 404 WETLANDS THIS TRACT IS NOT SUBJECT TO 404 WETLANDS.

CERTIFICATE OF DISCLOSURE, 404 WETLANDS THIS TRACT IS NOT SUBJECT TO 404 WETLANDS.

CERTIFICATE OF DISCLOSURE, 404 WETLANDS THIS TRACT IS NOT SUBJECT TO 404 WETLANDS.

FINAL PLAT FOR THE HAVEN BURRINGTON AVENUE, SOUTHPORT SMITHVILLE TOWNSHIP BRUNSWICK COUNTY, NORTH CAROLINA SCALE 1" = 50' DATE: SEPTEMBER 14, 2021. Includes owner information for PREMIER HOMES LLC and contact details for PORT CITY LAND SURVEYING, PLLC.



PORT CITY LAND SURVEYING, PLLC FIRM LICENSE No. P-1493 1144 SHIFFARD BOULEVARD WILMINGTON, NORTH CAROLINA 28412 (910) 791-0800 CAD: SLB PROJECT: 20-0404

**Appendix E-5:**

**Survey Plats for Properties #230 through #235 and #242  
(Previously Recorded Plat)**



**Appendix E-6:**

**Survey Plats for Properties #236 through #241, #243, and #244  
(Previously Recorded Plat)**

N.C. GRID NORTH, N.A.D. 1983  
HORIZONTAL GROUND DISTANCES  
SCALE FACTOR: 1.0001380  
(MAP CABINET 77 PAGE 66)

SWASEY ADDITION TO THE CITY OF  
SOUTHPORT  
DEED BOOK 4, PAGE 123  
BLOCK 1

LOT#	FRONT	REAR	SIDE
2-3	10'	10'	5'
4	10'	10'	10'
5-8	10'	10'	5'
9, 11-15	10'	10'	5'
62	10'	15'	5'

THIS SURVEY WAS PERFORMED WITHOUT BENEFIT OF A  
FULL AND ACCURATE ABSTRACT OF TITLE. ANY  
INFORMATION THAT MAY BE REVEALED BY A COMPLETE  
TITLE REPORT MAY NOT BE SHOWN ON THIS SURVEY.

**CERTIFICATE OF OWNERSHIP AND DEDICATION**

I HEREBY CERTIFY THAT I AM THE OWNER OF THE  
PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS  
LOCATED IN THE SUBDIVISION JURISDICTION OF THE CITY  
OF SOUTHPORT; THAT I HEREBY ADOPT THIS PLAN OF  
SUBDIVISION WITH MY FREE CONSENT, ESTABLISH MINIMUM  
BUILDING SETBACK LINES AND DEDICATE ALL STREETS,  
ALLEYS, WALKS, PARKS, OPEN SPACE AND OTHER SITES  
AND EASEMENTS TO PUBLIC OR PRIVATE USE, AS NOTED.  
FURTHERMORE, I HEREBY DEDICATE ALL SANITARY SEWER,  
STORM SEWER AND WATER LINES TO THE CITY OF  
SOUTHPORT.

*Conne Marlowe* 4 Oct 2017  
OWNER  
COTTAGE POINT, LLC  
400 WEST FOURTH STREET  
SUITE 202  
WINSTON-SALEM, NORTH CAROLINA 27101

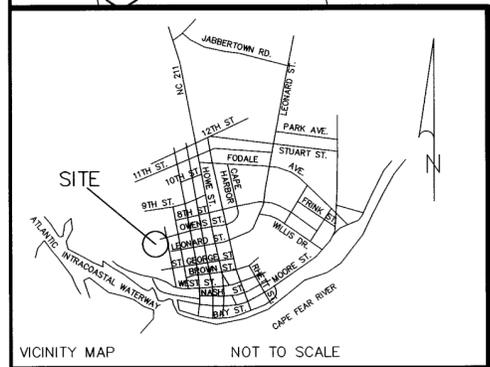
**CERTIFICATE OF DISCLOSURE - BRUNSWICK COUNTY  
FLOOD PLAIN MANAGEMENT REGULATIONS**

I (WE) HEREBY CERTIFY THAT PRIOR TO ENTERING ANY  
AGREEMENT OR ANY CONVEYANCE WITH A PROSPECTIVE BUYER,  
I (WE) SHALL PREPARE AND SIGN, AND THE BUYER OF THE  
SUBJECT REAL ESTATE SHALL RECEIVE AND SIGN A STATEMENT  
WHICH FULLY AND ACCURATELY DISCLOSES THAT THE SUBJECT  
REAL ESTATE, OR A PORTION OF THE SUBJECT REAL ESTATE,  
IS LOCATED WITHIN A FLOOD HAZARD AREA AND THAT THE  
BUYER MUST SATISFY THE REQUIREMENTS OF BRUNSWICK  
COUNTY FLOOD PLAIN MANAGEMENT REGULATIONS PRIOR TO  
THE ISSUANCE OF BUILDING PERMITS.

*Conne Marlowe* 4 Oct 2017  
OWNER'S SIGNATURE  
COTTAGE POINT, LLC  
DATE

*John A. Lane* 10-10-17  
*John A. Lane* 10-10-17  
DATE

DOSHER DEVELOPMENT LLC  
DB 2524 PG 616  
MC 36 PG 294  
PID#237EB00106



NORTH CAROLINA  
BRUNSWICK COUNTY  
I, OWEN D. GIDLOW, PLS L-4356 CERTIFY THAT THIS PLAT WAS DRAWN UNDER  
MY SUPERVISION, FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION  
USING THE REFERENCES SHOWN HEREON; THAT THE BOUNDARIES NOT  
SURVEYED ARE INDICATED AS DASHED LINES AND ARE PLOTTED FROM THE  
REFERENCES SHOWN HEREON; THAT THE RATIO OF PRECISION IS 1:10,000+;  
THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30, AS  
AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND  
SEAL THIS 22<sup>ND</sup> DAY OF October, A.D. 2017.  
*Owen D. Gidlow* PLS L-4356  
OWEN D. GIDLOW, PLS  
REGISTRATION NUMBER L-4356  
SEAL OR STAMP



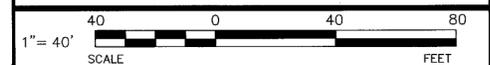
I, OWEN D. GIDLOW, PLS L-4356 CERTIFY THAT THIS PLAT IS OF A CATEGORY  
THAT: (A) THIS SURVEY CREATES A SUBDIVISION OF LAND WITHIN THE AREA  
OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES  
PARCELS OF LAND.  
*Owen D. Gidlow* PLS 10-3-2017  
OWEN D. GIDLOW, PLS L-4356  
DATE

NORTH CAROLINA, BRUNSWICK COUNTY  
I, KELLY GIDLOW, A NOTARY PUBLIC OF THE COUNTY AND STATE AFORESAID,  
CERTIFY THAT OWEN GIDLOW, A PROFESSIONAL LAND SURVEYOR, PERSONALLY  
APPEARED BEFORE ME AND ACKNOWLEDGED THE EXECUTION OF THE  
FOREGOING INSTRUMENT. WITNESS MY HAND AND OFFICIAL STAMP OR SEAL  
THIS 3<sup>RD</sup> DAY OF October, A.D. 2017.  
*Kelly E. Gidlow*  
Notary Public, North Carolina  
Brunswick County  
My Commission Expires  
3/31/18  
NOTARY PUBLIC  
SEAL OR STAMP  
MY COMMISSION EXPIRES 3/31/18

Final Plat: Jonas Creek PHASE 2B  
Prepared for: Cottage Point, LLC

PROFESSIONAL LAND SURVEYOR:  
OWEN D. GIDLOW, PLS L-4356  
NORTH STATE SURVEYORS PLLC  
15 TOPSAIL COURT  
CAROLINA SHORES, NC 28467  
(910) 579-4617 © COPYRIGHT 2017, NORTH STATE SURVEYORS PLLC

PROFESSIONAL ENGINEER:  
J. PHILLIP NORRIS, PE E-11966  
Norris & Tunstall Consulting Engineers, P.C.  
1429 Ash Little River Road  
Ash, NC 28420  
910-287-5900



SHEET 1 OF 2

CITY OF SOUTHPORT	DATE: 9-27-2017
TOWNSHIP: SMITHVILLE	SCALE: 1" = 40'
COUNTY: BRUNSWICK	FILE: JC_PH_2B_WILD_ROSE
STATE: NORTH CAROLINA	PROJECT #: 17049 - 15015

- (A) N/F WYNONA D. JOYNER DEED BOOK 2572, PAGE 447 PID# 237EB007
- (B) N/F EARNEST L. WEARRAN, JR. DEED BOOK 2521, PAGE 623 PID# 237EB000
- (C) N/F ISLANDA INVESTMENT GROUP DEED BOOK 15E, PAGE 590 PID# 237EB00103

LEGEND:  
IRS ○ IRON REBAR & CAP SET AT NEW CORNERS.  
IPF ○ IRON PIPE FOUND  
IRF ○ IRON REBAR FOUND  
CMF △ CONCRETE MONUMENT FOUND  
○ CALCULATED POINT (NOT SET)  
(R#) CITY OF SOUTHPORT CURRENT ZONING  
NOTES:  
\* PHASE 2A AREA LOTS 1-3 = 0.589 ACRES  
\* PHASE 2B AREA LOTS 4-9, 11-15 = 3.509 ACRES  
\* TOTAL AREA PHASE 2 = 4.098 ACRES  
\* PHASE AREAS; PHASE 1 = 4.503 ACRES.  
\* PHASE 2=4.098 ACRES, PHASE 3 =12.058 ACRES.  
\* ADDITIONAL NOTES SEE SHEET 2 OF 2.

**CERTIFICATE OF APPROVAL AND RECORDING**  
I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN  
HEREON HAS BEEN FOUND TO COMPLY WITH THE SUBDIVISION  
REGULATIONS OF THE CITY OF SOUTHPORT, NORTH CAROLINA  
AND THAT THIS PLAT HAS BEEN APPROVED BY THE BOARD  
OF ALDERMAN FOR RECORDING IN THE OFFICE OF THE  
REGISTER OF DEEDS OF BRUNSWICK COUNTY.  
*Michele Windham* 10-23-17  
CITY CLERK  
SOUTHPORT, NORTH CAROLINA

**CERTIFICATE OF APPROVAL OF THE DESIGN AND  
INSTALLATION OF STREETS, UTILITIES AND OTHER  
REQUIREMENTS**  
I HEREBY CERTIFY THAT ALL STREETS, UTILITIES AND OTHER  
REQUIRED IMPROVEMENTS HAVE BEEN INSTALLED IN  
ACCORDANCE WITH NC DEPARTMENT OF TRANSPORTATION  
SPECIFICATIONS AND STANDARDS OR THAT GUARANTEES OF  
THE INSTALLATION OR THE REQUIRED IMPROVEMENTS IN AN  
AMOUNT AND MANNER SATISFACTORY TO THE CITY OF  
SOUTHPORT HAS BEEN RECEIVED AND THAT THE FILING FEE  
FOR THIS PLAT, IN THE AMOUNT OF \$10, HAS BEEN PAID.  
*Blay Allen* 10-23-17  
ADMINISTRATOR  
SOUTHPORT, NORTH CAROLINA



REVIEW OFFICERS CERTIFICATE  
NORTH CAROLINA  
COUNTY OF BRUNSWICK  
*Conne Marlowe* REVIEW OFFICER OF Brunswick  
COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS  
APPLIED, MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.  
*Conne Marlowe* 23 Oct 17  
REVIEW OFFICER DATE



B0103 P0051  
10-23-2017  
15:48:03.000  
Brenda M. Clemmons PLAT  
page 1 of 2

N.C.G.S. MONUMENT  
"SOUTHPORT AZ"  
N = 65,045.349'  
E = 2,279,442.715'

UNLESS SIGNED AND SEALED THIS PLAT IS A  
**PRELIMINARY PLAT**  
NOT FOR RECORDATION, CONVEYANCES, OR SALES

Map Cabinet 103 pg 51 10/23/17 LG pg 1 of 2

NOTES:

- \* TOTAL JONAS CREEK SITE AREA, ZONED PUD = 20.889 ACRES, WHICH INCLUDES RECOMBINATION AREA OF 0.230 ACRES FROM COTTAGE POINT PHASE 2, LOT 1, OF WHICH 0.125 ACRES WILL BE USED FOR PUBLIC RIGHT OF WAY, 0.106 ACRES WILL BE USED FOR OPEN SPACE AND 0.021 ACRES USED AS COMMON AREA.

REFERENCES:

- \* JONAS CREEK PHASE 2A & 2B, PRELIMINARY PLAT APPROVED BY THE CITY OF SOUTHPORT BOARD OF ALDERMEN - REGULAR SESSION MINUTES, CONSENT AGENDA, 2., JONAS CREEK PRELIMINARY PLAT, PHASE 2A & 2B, - APPROVED - JANUARY 14, 2016.

CERTIFICATE OF OWNERSHIP AND DEDICATION

I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS LOCATED IN THE SUBDIVISION JURISDICTION OF THE CITY OF SOUTHPORT; THAT I HEREBY ADOPT THIS PLAN OF SUBDIVISION WITH MY FREE CONSENT, ESTABLISH MINIMUM BUILDING SETBACK LINES AND DEDICATE ALL STREETS, ALLEYS, WALKS, PARKS, OPEN SPACE AND OTHER SITES AND EASEMENTS TO PUBLIC OR PRIVATE USE, AS NOTED.

Carroll Ruben 4 Oct 2017

COTTAGE POINT, LLC  
400 WEST FOURTH STREET  
SUITE 302  
WINSTON-SALEM, NORTH CAROLINA 27101

CERTIFICATE OF DISCLOSURE - BRUNSWICK COUNTY FLOOD PLAIN MANAGEMENT REGULATIONS

I (WE) HEREBY CERTIFY THAT PRIOR TO ENTERING ANY AGREEMENT OR ANY CONVEYANCE WITH A PROSPECTIVE BUYER, I (WE) SHALL PREPARE AND SIGN, AND THE BUYER OF THE SUBJECT REAL ESTATE SHALL RECEIVE AND SIGN A STATEMENT WHICH FULLY AND ACCURATELY DISCLOSES THAT THE SUBJECT REAL ESTATE, OR A PORTION OF THE SUBJECT REAL ESTATE, IS LOCATED WITHIN A FLOOD HAZARD AREA AND THAT THEY BUYER MUST SATISFY THE REQUIREMENTS OF BRUNSWICK COUNTY FLOOD PLAIN MANAGEMENT REGULATIONS PRIOR TO THE ISSUANCE OF BUILDING PERMITS.

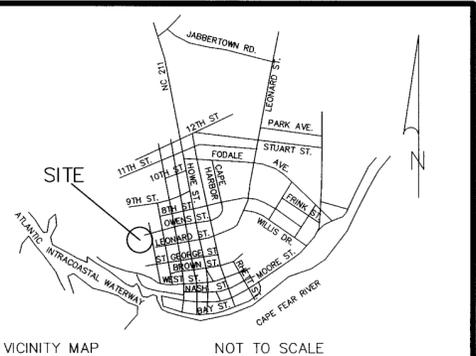
Carroll Ruben 4 Oct 2017

COTTAGE POINT, LLC

John W. Paul 10-10-17  
6 PORT MARINA  
PO BOX 857  
CARY, NORTH CAROLINA 27513

John W. Paul 10-10-17  
6 PORT MARINA  
PO BOX 857  
CARY, NORTH CAROLINA 27513

Table with columns: LOT NUMBER, STREET ADDRESS, PARCEL ID#, AREA (SQ. FT.). Lists lots 1 through 14 and 15 through 21 with corresponding addresses and areas.



IMPERVIOUS ALLOCATION AREA PER LOT RETENTION POND #1 - JULY 2010 (REVISED OCTOBER 2015) MAXIMUM ALLOWABLE IMPERVIOUS AREA (PER LOT) IN SQUARE FEET

Table with columns: LOT #s, MAXIMUM AREA (SQ. FT.). Lists lot numbers and their maximum impervious area.

TOTAL 133,269 SQUARE FEET

Line Table with columns: Line #, Direction, Length. Lists line segments with bearings and distances.

Curve Table with columns: CURVE #, ARC LENGTH, RADIUS, CHORD BEARING, CHORD DIST. Lists curve data for the subdivision.

VICINITY MAP NOT TO SCALE

NORTH CAROLINA BRUNSWICK COUNTY

I, OWEN D. GIDLOW, PLS L-4356 CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION, FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION USING THE REFERENCES SHOWN HEREON; THAT THE BOUNDARIES NOT SURVEYED ARE INDICATED AS DASHED LINES AND ARE PLOTTED FROM THE REFERENCES SHOWN HEREON; THAT THE RATIO OF PRECISION IS 1:10,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30, AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 3RD DAY OF OCTOBER, A.D. 2017.

Owen D. Gidlow PLS L-4356  
Owen D. Gidlow, PLS  
REGISTRATION NUMBER L-4356  
SEAL OR STAMP



I, OWEN D. GIDLOW, PLS L-4356 CERTIFY THAT THIS PLAT IS OF A CATEGORY THAT: (A) THIS SURVEY CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND.

Owen D. Gidlow PLS 10-3-2017  
OWEN D. GIDLOW, PLS L-4356 DATE

NORTH CAROLINA, BRUNSWICK COUNTY

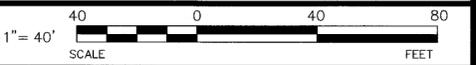
I, KELLY GIDLOW, A NOTARY PUBLIC OF THE COUNTY AND STATE AFORESAID, CERTIFY THAT OWEN GIDLOW, A PROFESSIONAL LAND SURVEYOR, PERSONALLY APPEARED BEFORE ME AND ACKNOWLEDGED THE EXECUTION OF THE FOREGOING INSTRUMENT. WITNESS MY HAND AND OFFICIAL STAMP OR SEAL, THIS 3rd DAY OF October, 2017.

Kelly E. Gidlow  
Notary Public, North Carolina  
Brunswick County  
My Commission Expires 3/31/18

Final Plat: Jonas Creek PHASE 2B Prepared for: Cottage Point, LLC

PROFESSIONAL LAND SURVEYOR: OWEN D. GIDLOW, PLS L-4356 NORTH STATE SURVEYORS PLLC 15 TOPSAIL COURT CAROLINA SHORES, NC 28467 (910) 579-4617

PROFESSIONAL ENGINEER: J. PHILLIP NORRIS, PE E-11966 Norris & Tunstall Consulting Engineers, P.C. 1429 Ash Little River Road Ash, NC 28420 910-287-5900



SHEET 2 OF 2

CITY OF SOUTHPORT DATE: 9-27-2017  
TOWNSHIP: SMITHVILLE SCALE: 1" = 40'  
COUNTY: BRUNSWICK FILE: JC\_PH\_2B\_WLD\_ROSE  
STATE: NORTH CAROLINA PROJECT #: 17049 - 15015

CERTIFICATE OF APPROVAL AND RECORDING I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON HAS BEEN FOUND TO COMPLY WITH THE SUBDIVISION REGULATIONS OF THE CITY OF SOUTHPORT, NORTH CAROLINA AND THAT THIS PLAT HAS BEEN APPROVED BY THE BOARD OF ALDERMAN FOR RECORDING IN THE OFFICE OF THE REGISTER OF DEEDS OF BRUNSWICK COUNTY.

Michelle Wencham 10-23-17  
CITY CLERK SOUTHPORT, NORTH CAROLINA

CERTIFICATE OF APPROVAL OF THE DESIGN AND INSTALLATION OF STREETS, UTILITIES AND OTHER REQUIREMENTS I HEREBY CERTIFY THAT ALL STREETS, UTILITIES AND OTHER REQUIRED IMPROVEMENTS HAVE BEEN INSTALLED IN ACCORDANCE WITH NC DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARDS OR THAT GUARANTEES OF THE INSTALLATION OR THE REQUIRED IMPROVEMENTS IN AN AMOUNT AND MANNER SATISFACTORY TO THE CITY OF SOUTHPORT HAS BEEN RECEIVED AND THAT THE FILING FEE FOR THIS PLAT, IN THE AMOUNT OF \$22, HAS BEEN PAID.

ADMINISTRATOR SOUTHPORT, NORTH CAROLINA  
DATE SEAL



REVIEW OFFICER'S CERTIFICATE NORTH CAROLINA COUNTY OF BRUNSWICK I, Connie Marlowe, REVIEW OFFICER OF Brunswick COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED, MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING. Connie Marlowe REVIEW OFFICER 23 Oct 17

THIS SURVEY WAS PERFORMED WITHOUT BENEFIT OF A FULL AND ACCURATE ABSTRACT OF TITLE. ANY INFORMATION THAT MAY BE REVEALED BY A COMPLETE TITLE REPORT MAY NOT BE SHOWN ON THIS SURVEY.

UNLESS SIGNED AND SEALED THIS PLAT IS A PRELIMINARY PLAT NOT FOR RECORDATION, CONVEYANCES, OR SALES

Map Cabinet 103 Pg 52 10/23/17 LG Pg 2 of 2

## **Appendix F**

### **Example Annual Certification of Land-Use Restrictions**

**Annual Certification of Land-Use Restrictions**

**Site Name:**            **Towngate Cleaners**  
**Site Address:**      715 North Howe Street, Southport, Brunswick County  
**DSCA ID No:**        DC100001

**ANNUAL CERTIFICATION of LAND-USE RESTRICTIONS**

Pursuant to land-use restriction number 7 (the land-use restrictions are included as part of this form for reference) in the Notice of Dry-Cleaning Solvent Remediation (Notice) signed by **<property owner or authorized designee>**, and recorded in Deed Book \_\_\_\_\_ Page \_\_\_\_\_ on \_\_\_\_\_ at the Brunswick County Register of Deeds Office, **<property owner or authorized designee>**, hereby certifies, as an owner of at least part of the property that is the subject of the Notice, that the Notice remains recorded at the Brunswick County Register of Deeds office and the land-use restrictions therein are being complied with.

Duly executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

**<property owner or authorized designee>**  
Signature: \_\_\_\_\_

Name typed or printed: \_\_\_\_\_

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, a Notary Public of the county and state aforesaid, certify that \_\_\_\_\_ personally came before me this day and the foregoing certification was signed by him/her.

WITNESS my hand and official stamp or seal, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Name typed or printed:  
Notary Public

My Commission expires: \_\_\_\_\_  
[Stamp/Seal]



ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director



NORTH CAROLINA  
Environmental Quality

<date>

Towngate Crossing POA Inc  
PO Box 10637  
Southport, NC 28461

Subj: Annual Certification of Land-Use Restrictions  
Towngate Cleaners, 715 North Howe Street  
Southport, Brunswick County, North Carolina  
DSCA Site ID DC100001

Dear <property owner>:

On <date>, the Division of Waste Management made a "No Further Action" decision for the above referenced site. As part of that decision, it was determined that land-use restrictions were necessary to ensure protection of human health and the environment. The land-use restrictions for this site are specified in the Notice of Dry-Cleaning Solvent Remediation (Notice) signed by the property owner and the Division of Waste Management.

As owner of at least a portion of the DSCA Site, you are required to comply with Condition 7 of the Notice by submitting to DEQ a notarized Annual Certification of Land-Use Restrictions certifying that the Notice remains recorded at the Brunswick County Register of Deeds' office and that the Land-Use Restrictions are being complied with. Please complete the enclosed Annual Certification of Land-Use Restrictions and return it to me on or before **January 31, 20** at the following address:

**NCDEQ**  
**Division of Waste Management**  
**DSCA/Delonda Alexander**  
**1646 Mail Service Center**  
**Raleigh, NC 27699-1646**

In accordance with § 143-215.104M(f), any person who fails to comply within the time specified in this letter, shall then be subject to the applicable enforcement procedures. The Notice further states that if a land-use restriction is violated, the owner of the contamination site at the time the land-use restriction is violated, the owner's successors and assigns, and the owner's agents who direct or contract for alteration of the contamination site in



North Carolina Department of Environmental Quality | Division of Waste Management  
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646  
919.707.8200

violation of a land-use restriction shall be liable for remediation of all contaminants to unrestricted use standards.

If you have any questions concerning these documents or the site, please contact me at (919) 707-8365 or via email at [delonda.alexander@ncdenr.gov](mailto:delonda.alexander@ncdenr.gov).

Sincerely,

Delonda Alexander  
Superfund Special Remediation Branch Head  
Superfund Section  
Division of Waste Management

Attachments: Annual Certification of Land-Use Restrictions form

Cc: DSCA Site ID DC100001 File



North Carolina Department of Environmental Quality | Division of Waste Management  
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646  
919.707.8200

**Appendix G**  
**Example Documents Announcing the Public Comment Period**

**Public Notice**

**SUMMARY OF NOTICE OF INTENT TO REMEDIATE A DRY-CLEANING  
SOLVENT FACILITY OR ABANDONED SITE**

**N.C. Department of Environmental Quality  
Division of Waste Management  
Dry-Cleaning Solvent Cleanup Act (DSCA) Program**

Towngate Cleaners  
DSCA Site ID DC100001

Pursuant to N.C.G.S. §143-215.104L, on behalf of Towngate Crossing POA, Inc., the North Carolina Department of Environmental Quality's (NCDEQ's) private contractor has prepared a Notice of Intent to Remediate a Dry-Cleaning Solvent Facility or Abandoned Site (NOI). The purpose of this Summary of the NOI is to notify the community of the proposed remedy for the contamination site and invite comment on the proposed remedy.

Towngate Cleaners formerly conducted dry-cleaning operations at the property at 715 North Howe Street, in Southport, North Carolina. The property is currently occupied by the Southport Gallery, Southport Candle Company & Bathworks, Don Bullard Insurance, Shop Girl, Wade's Jewelers, and AEM Creative Photography, Videography, and Marketing Solutions on the ground floor and residences on the upper floor. Dry-cleaning solvent contamination in soil and/or groundwater has been identified at the parcels shown in the attached table.

An investigation of the extent of contamination has been completed. A risk assessment of the contaminated properties concluded that the contamination poses no unacceptable risks. A Risk Management Plan (RMP) has been prepared which proposes using land-use controls to prevent current and future risks at the affected properties.

The elements of the complete NOI are included in the RMP which is available online at <https://deq.nc.gov/about/divisions/waste-management/superfund-section/special-remediation-branch/dsca-public-notices-announcements>.

***The public comment period begins [REDACTED], 20[REDACTED], and ends [REDACTED], 20[REDACTED].***

Comments must be in writing and submitted to NCDEQ no later than [REDACTED], 20[REDACTED]. Written requests for a public meeting may be submitted to NCDEQ no later than [REDACTED], 20[REDACTED]. Requests for additional information should be directed to Delonda Alexander at [delonda.alexander@ncdenr.gov](mailto:delonda.alexander@ncdenr.gov) or (919) 707-8365. All comments and requests should be sent to:

Delonda Alexander  
Superfund Special Remediation Branch Head  
Division of Waste Management, NCDENR  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646



ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director



NORTH CAROLINA  
Environmental Quality

<date>

<property owner>  
<mailing address>  
<city, state, zip>

Subj: Dry-Cleaning Solvent Contamination at Towngate Cleaners, 715 North Howe Street,  
Southport, Brunswick County, NC  
DSCA Site ID DC100001

Dear <property owner>:

You are receiving this letter because your property at <adjacent property address> is adjacent to an area contaminated with dry-cleaning solvents. There are no actions required on your part and your property is not contaminated. This letter is only for notification purposes. The Dry-Cleaning Solvent Clean-up Act (DSCA) Program has completed an assessment of the dry-cleaning solvent contamination associated with the Towngate Cleaners at 715 North Howe Street in Southport, North Carolina. The property is currently occupied by the Southport Gallery, Southport Candle Company & Bathworks, Don Bullard Insurance, Shop Girl, Wade's Jewelers, and AEM Creative Photography, Videography, and Marketing Solutions on the ground floor and residences on the upper floor. A remedial strategy to address the site contamination has been prepared, and in accordance with our program's statutes, the community has an opportunity to review and comment on the proposed strategy.

The attached Summary of the Notice of Intent to Remediate a Dry-Cleaning Solvent Facility or Abandoned Site (NOI) provides a brief description of the proposed remedy, a web link to the complete NOI, and the dates and procedures for commenting on the proposed remedy. If you do not have access to the internet, we ask that you contact us to request a hard copy of the complete NOI.

If you have questions, please contact me at [delonda.alexander@ncdenr.gov](mailto:delonda.alexander@ncdenr.gov) or (919) 707-8365.

Sincerely,

[SIGNATURE]

Delonda Alexander

Superfund Special Remediation Branch Head

Division of Waste Management, NCDEQ

Attachments: Summary of the NOI

Cc: DSCA Site ID DC100001 File



North Carolina Department of Environmental Quality | Division of Waste Management  
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646  
919.707.8200



ROY COOPER  
Governor

ELIZABETH S. BISER  
Secretary

MICHAEL SCOTT  
Director



<date>

<property owner>  
<address>  
<city, state, zip>

Subj: Dry-Cleaning Solvent Contamination Associated with Towngate Cleaners, 715 North Howe Street, Southport, Brunswick County, NC  
DSCA Site ID DC100001

Dear <property owner>:

The Dry-Cleaning Solvent Clean-up Act (DSCA) Program has completed a review of the dry-cleaning solvent contamination associated with the former Towngate Cleaners, located at 715 North Howe Street in Southport. A Risk Management Plan (RMP), which is described below, has been prepared to address the site contamination. You are receiving this letter in accordance with the DSCA Program's statutes, which provide the community an opportunity to review and comment on the proposed RMP.

Attachment 1 is a *Summary of the Notice of Intent to Remediate a Dry-Cleaning Solvent Facility or Abandoned Site*, which provides a brief description of the proposed remedy to address the site contamination, a web link with more details, and ways to comment on the proposed RMP. If you do not have access to the internet and would like a hard copy, please contact the DSCA Program staff listed at the end of this letter. *Note that this letter relates to dry-cleaning solvent contamination in groundwater, which is unrelated to potential per- and poly-fluoroalkyl substances (PFAS, including GenX) testing for the public water supply.* Since the RMP is a large document, Attachment 2 contains a summary of the site's history, contamination evaluation, proposed remedy, and future efforts.

You are also receiving this letter because your property at <address of property where 2C notice will be filed> is in an area where dry-cleaning products have been found in groundwater. **A review has determined that the contamination does not pose a risk for the current use of your property.** However, because groundwater under your property is contaminated, state regulations prohibit the installation of a water supply well on this property. If the RMP is approved, a notice will be recorded in the chain-of-title stating that the groundwater is contaminated with dry-cleaning products and that regulations prohibit installation of a water supply well into a contaminated aquifer. The properties that will receive this notice are shown on the map included in Attachment 3 in the area marked 'Groundwater Use Control Area.' This is not a land-use restriction, but rather a notice intended to inform future property owners of the existing state regulations. An example



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217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646  
919.707.8200

of a groundwater use control notice can be found in the RMP/Appendix D described in Attachment 1. If the proposed remedy is approved, you will be sent a letter describing your rights and options to appeal the decision to file such a notice.

*Abandonment of Water Supply Wells*

Please note that the DSCA Program is aware that some property owners in the area have existing water supply wells that are used for irrigation or other non-drinking water uses. Property owners are not required to abandon existing water supply wells; however, these wells are potentially “at risk.” The DSCA Program previously offered to abandon existing water supply wells in the area, entirely at its expense. ***If you have an existing water supply well that was not previously abandoned and are agreeable to abandonment of your well, please contact the DSCA Program. The DSCA Program will no longer be able to abandon wells at its cost after a No Further Action status is issued.***

If you would like more information about the Towngate Cleaners site, go to [www.ncdsca.org](http://www.ncdsca.org) and view the instructions for the use of the DWM Site Locator Tool and Online Documents. Please contact Delonda Alexander, Superfund Special Remediation Branch Head, at [delonda.alexander@ncdenr.gov](mailto:delonda.alexander@ncdenr.gov) or (919)707-8365 if you have additional questions.

Sincerely,



Delonda Alexander  
Superfund Special Remediation Branch Head,  
Division of Waste Management, NCDEQ

Attachments: Attachment 1 - Summary of Notice of Intent, Attachment 2 - Site Summary,  
Attachment 3 - Site Map



**Attachment 1**

**Summary of Notice of Intent**

**Attachment 2**

**Site Summary**

## 1.0 Site History

Towngate Cleaners operated in a former building at 715 West Howe Street from the mid-1970s until the early 1990s. (This property is herein referred to as the “source property”.) The dry-cleaning operations used a chemical called tetrachloroethylene (“perc” or PCE) as a dry-cleaning product. The building remained vacant following the closure of dry-cleaning operations until December 2004, when the former dry-cleaning building was demolished and the source property was redeveloped into three multi-story buildings with retail and residential spaces.

## 2.0 Contamination Assessment Activities

An environmental assessment is the collection of soil and/or groundwater samples to identify areas of contamination. Assessment activities began at the former Towngate Cleaners property in 1994 as part of a possible property transaction. The results found PCE in groundwater at the dry-cleaning operation. Additional assessment activities were performed by the N.C. Department of Environmental and Natural Resources (currently N.C. Department of Environmental Quality or NCDEQ) Groundwater Section’s Field Investigations Group from 1999 until 2001. The site was brought into the DSCA Program, which was created to address these types of releases, in 2002 to begin contamination evaluation activities.

The DSCA Program performed contamination assessment and monitoring activities at the site between 2002 and 2020. As part of these activities, soil samples were collected which showed that shallow soil contamination is present only in the area below the paved parking lot on the former Towngate Cleaners source property. Groundwater samples were also collected from about 80 locations on the source property and surrounding properties to determine the areas where groundwater is contaminated (Attachment 3 depicts the impacted properties). The groundwater results showed that PCE or related chemicals extend at least 1,700 feet to the southeast, 1,800 feet to the south, and 2,300 feet to the west-southwest. To the west, the groundwater contamination potentially intersects a surface water tributary; however, no PCE or related chemicals were found in surface water samples collected from the tributary.

Multiple field surveys and mailings were performed to identify water supply wells in the area of groundwater contamination. The results showed that properties near the site get drinking water from the public water service, which is supplied water from well fields located several miles from the site outside the area of dry-cleaning solvent contamination. Therefore, groundwater contamination associated with the Towngate Cleaners site does not affect the quality of public drinking water supplied to these homes. However, some private water supply wells are used by homeowners for irrigation or other non-drinking water uses. Where water supply wells were identified, the DSCA Program offered to sample the wells at no cost to property owners. If property owners agreed, DSCA staff collected samples that showed low levels of PCE and/or related chemicals in some water supply wells. The DSCA Program offered to abandon the identified water supply wells at no cost to owners, and did so for the property owners who agreed.

Other work has been done to find out if there is a risk of vapor intrusion, which is when chemicals from soil or groundwater move to indoor air in buildings causing a potential risk for people who breathe this air. Air samples were also taken beneath the ground in soil (soil gas samples) at

multiple locations on the source property and surrounding properties near groundwater contamination to evaluate if there was also an increased risk to building occupants from vapor intrusion. For properties farther from the source property where the groundwater contamination has spread, the results of the soil gas sampling showed levels considered safe for residential or non-residential/commercial land-uses. Some soil gas concentrations at the source property were at or slightly above levels considered safe for residential use but did not exceed levels considered safe for non-residential use. Based on review of the data, the DSCA Program determined that the soil gas concentrations do not pose an unacceptable risk to residents occupying the upper level of the building.

### **3.0 Risk Assessment and Land-Use Controls**

A risk assessment is an in-depth evaluation of the potential health risk to humans and impacts to the environment from chemical contaminants that are present in the environment from the historical dry-cleaning operations. A risk assessment was performed for this site in 2019. The risk assessment's results show that the remaining contamination does not pose a risk to occupants in the contamination area under current land-use conditions.

Land-uses could change in the future, such as a commercial property that is redeveloped and used for residential use like apartments or condominiums. Therefore land-use controls are recommended to make sure contamination does not pose a risk to occupants in the future should land-use conditions change. For properties located farther away from the former Towngate Cleaners source property, a notice on the deed will be used to ensure that water supply wells are not installed in the contamination area. For the former Towngate Cleaners source property where the dry-cleaner was located, land-use controls will be stricter and will include prohibitions on using groundwater, restrictions on maintaining pavement or other surface cover over contaminated soil, and controls on future building activities to prevent vapor intrusion. Finally, the risk assessment recommended closure of the release incident if these controls can be implemented for the site.

### **4.0 Outreach Activities**

The DSCA Program has previously performed public outreach activities to inform the public of the contamination. Letters were mailed to property owners and occupants on several occasions which provided information about site activities and inquired about the potential presence of water supply wells. In addition, the DSCA Program held a public information session in Southport on November 16, 2015, to inform the public of site activities and answer questions.

### **5.0 Future Activities**

The DSCA Program is currently initiating steps required to issue a No Further Action letter for the Towngate Cleaners release incident. The first step in this process is the mailing of the attached *Summary of the Notice of Intent to Remediate a Dry-Cleaning Solvent Facility or Abandoned Site* to all property owners within or adjacent to the contamination area (the contamination area is depicted on Attachment 3). This document is also posted at the source property and published in the local newspaper. The RMP and *Notice of Intent to Remediate a Dry-cleaning Solvent Facility*

*or Abandoned Site* will also be mailed to area public officials, and state that the public has 30 days to submit comments or request a public meeting.

After the public comment period has ended and any comments are addressed, a copy of the draft Notices of Dry-Cleaning Solvent Remediation (NDCSRs) will be mailed to property owners within the contamination area. This is the notice that will be filed in the chain-of-title that states there is an existing state law that prohibits the installation of a water well on the property. It will state that each property owner has the option of recording the NDCSR themselves or, if no response is received within 60 days, the DSCA Program will record it. Details about appealing the decision to file also will be included.

After the NDCSRs and survey plats are filed with the Register of Deeds, the DSCA Program will issue a No Further Action letter for the site, and the site's monitoring wells will be abandoned. The owner of the former Towngate Cleaners property will be required to submit documentation yearly stating that the NDCSR remains recorded with the Register of Deeds and that land-use restrictions are being followed.

**Attachment 3**

**Site Map**



ROY COOPER  
Governor

ELIZABETH S. BISER  
Secretary

MICHAEL SCOTT  
Director



NORTH CAROLINA  
Environmental Quality

Date

<property owner>  
<address>  
<city, state, zip>

Subj: Dry-Cleaning Solvent Contamination Associated with Towngate Cleaners,  
715 North Howe Street, Southport, Brunswick County, NC  
DSCA Site ID DC100001

Dear <property owner>:

The Dry-Cleaning Solvent Clean-up Act (DSCA) Program has completed an assessment of the dry-cleaning solvent contamination associated with the former Towngate Cleaners at 715 North Howe Street in Southport, North Carolina. That site has been certified into the DSCA Program, and a remedial strategy to address the site contamination has been prepared. A public comment period was held from [redacted] to [redacted], during which the community had an opportunity to comment on the proposed remedial strategy. Any comments received were addressed, and the proposed remedial strategy is now approved as final.

You are receiving this letter because your property lies within an area where dry-cleaning solvents have been detected in groundwater. An evaluation of the risks concluded that the contamination poses no unacceptable risks for the current use of your property. The approved remedial strategy provides that a notice will be recorded in the chain of title for your property indicating that groundwater is contaminated with dry-cleaning solvents and that regulations in 15A North Carolina Administrative Code 02C.0107(b)(1) prohibit installation of a water supply well into an aquifer that is contaminated. If you have an existing water supply well, it must be maintained in accordance with 15A North Carolina Administrative Code 02C.0112 whereby it will not be a source or channel of contamination to the water supply or aquifer.

The proposed Notice of Dry Cleaning Solvent Remediation applicable to your property is attached hereto as Attachment A. You have the option of recording the Notice yourself, however, if you elect not to, the DSCA Program will record the Notice in the chain of title for your property. Should you elect to record the Notice yourself, we will send you detailed instructions along with the final documents that will need to be presented at the Mecklenburg County Register of Deeds Office for recordation.



North Carolina Department of Environmental Quality | Division of Waste Management  
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646  
919.707.8200

If you wish to appeal the decision to file the Notice, you are entitled to a hearing. Your request for a hearing must be in form of a written petition, complying with the requirements of Chapter 150B of the General Statutes of North Carolina. The petition must be filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. The petition must be received and filed by the Office of Administrative Hearings within sixty (60) days of receipt of this letter.

In addition to filing the original written petition with the Office of Administrative Hearings, a copy of this petition must be served on this office as follows:

Mr. Bill Lane, General Counsel  
Department of Environmental Quality  
1601 Mail Service Center  
Raleigh, North Carolina 27699-1601

Please notify the DSCA Program within sixty (60) days of receipt of this letter if you wish to record the Notice in the chain of title for your property yourself. If no response is received from you within that time, and no appeal is filed, the DSCA Program will proceed with recording the Notice.

If you have questions, please contact me via email at [delonda.alexander@ncdenr.gov](mailto:delonda.alexander@ncdenr.gov) or by phone at (919) 707-8365.

Sincerely,

Delonda Alexander  
DSCA Remediation Unit Supervisor  
Division of Waste Management, NCDEQ

Attachments: Proposed Notice of Dry Cleaning Solvent Remediation

Cc: DSCA Site ID DC100001 File



North Carolina Department of Environmental Quality | Division of Waste Management  
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646  
919.707.8200



ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director



NORTH CAROLINA  
Environmental Quality

<Date>

Gordon Hargrove, City Manager  
1029 N. Howe Street  
Southport, NC 28461

Subj: Remediation of Dry-Cleaning Solvent Contamination  
DSCA Site ID DC100001  
Towngate Cleaners, 715 N. Howe Street, Southport

Dear Mr. Hargrove:

The Dry-Cleaning Solvent Cleanup Act of 1997 (DSCA), North Carolina General Statutes (N.C.G.S.) Sections 143-215.104A through 143-215.104U, provides for the assessment and remediation of properties that may have been or were contaminated by chlorinated solvents. To satisfy the requirements of N.C.G.S. 143-215.104L, this letter serves as the **Notice of Intent to Remediate a Dry-Cleaning Solvent Facility or Abandoned Site** (NOI) approved by the North Carolina Department of Environmental Quality (DEQ).

The NOI must provide, to the extent known, a legal description of the location of the DSCA Site, a map showing the location of the DSCA Site, a description of the contaminants involved and their concentrations in the media of the DSCA Site, a description of the intended future use of the DSCA Site, any proposed investigation and remediation, and a proposed Notice of Dry-Cleaning Solvent Remediation (NDCSR) prepared in accordance with N.C.G.S. Section 143-215.104M. The required components of the NOI are included in the attached Risk Management Plan, and are available during the public comment period on our website at:

<https://deq.nc.gov/about/divisions/waste-management/superfund-section/special-remediation-branch/dsca-public-notices-announcements>

The DSCA Program is providing a copy of the NOI to all local governments having jurisdiction over the DSCA Site. A 30-day public comment period is being held from <date>, until <date>. Written comments may be submitted to DEQ no later than <date>. Written requests for a public meeting may be submitted to DEQ no later than <date>. All such comments and requests should be sent to:

Delonda Alexander  
Superfund Special Remediation Branch Head  
Division of Waste Management, NCDEQ  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646

A Summary of the NOI is being published in the Southport Times, copies are being sent to owners of property within and contiguous with the area of contamination, and a copy of the Summary will be conspicuously posted at the Site during the public comment period.



North Carolina Department of Environmental Quality | Division of Waste Management  
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646  
919.707.8200

If you have any questions, please feel free to contact me [delonda.alexander@ncdenr.gov](mailto:delonda.alexander@ncdenr.gov) or (919) 707-8365.

Sincerely,

[SIGNATURE]

Delonda Alexander  
Superfund Special Remediation Branch Head  
Division of Waste Management, NCDEQ



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Secretary

MICHAEL SCOTT

Director



NORTH CAROLINA  
Environmental Quality

<Date>

Danny Thornton, Environmental Health Director  
P.O. Box 9  
Bolivia, NC 28422

Subj: Remediation of Dry-Cleaning Solvent Contamination  
DSCA Site ID DC100001  
Towngate Cleaners, 715 North Howe Street, Southport

Dear Mr. Thornton:

The Dry-Cleaning Solvent Cleanup Act of 1997 (DSCA), North Carolina General Statutes (N.C.G.S.) Sections 143-215.104A through 143-215.104U, provides for the assessment and remediation of properties that may have been or were contaminated by chlorinated solvents. To satisfy the requirements of N.C.G.S. 143-215.104L, this letter serves as the **Notice of Intent to Remediate a Dry-Cleaning Solvent Facility or Abandoned Site** (NOI) approved by the North Carolina Department of Environmental Quality (DEQ).

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Sincerely,

[SIGNATURE]

Delonda Alexander  
Superfund Special Remediation Branch Head  
Division of Waste Management, NCDEQ



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