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September 25, 2023

North Carolina Department of Environmental Quality
Division of Waste Management – DSCA Program
1646 Mail Services Center
Raleigh, NC 27699-1646

Att: Mr. Scott Stupak
DSCA Project Manager

Re: **Risk Management Plan**
Bowen Cleaners - DSCA Site ID DC740004
2480 Stantonsburg Road
Greenville, Pitt County, North Carolina

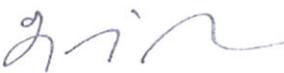
Dear Mr. Stupak,

AECOM is pleased to provide the attached Risk Management Plan (RMP) for the Bowen Cleaners (DSCA Site ID DC740004) which is located at 2480 Stantonsburg Road, Greenville, North Carolina (site). A *Risk Assessment* dated May 17, 2021 and approved by DSCA on May 19, 2021, as well as a *Risk Assessment Update*, dated September 14, 2023, conducted for the site indicates that contaminant concentrations at the site do not pose an unacceptable risk. The primary purpose of this RMP is to ensure that the assumptions made in the *Risk Assessment*, dated May 17, 2021, and the *Risk Assessment Updated*, dated September 14, 2023, remain valid in the future. Based on the documentation outlined in this report, AECOM recommends issuance of a No Further Action letter for the site.

If you have any questions or require additional information, please do not hesitate to contact either Rob MacWilliams at 704-499-4839 or Nick Shore at 919-461-1485.

Sincerely,

AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.


Nick Shore, PG
Project Coordinator




Robert H. MacWilliams, PG
Program Manager

**Risk Management Plan
Bowen Cleaners - DSCA Site ID DC740004
2480 Stantonsburg Road
Pitt County
Greenville, North Carolina 27834**

Submitted To:
NC Department of Environmental Quality
Division of Waste Management – DSCA Program
1646 Mail Services Center
Raleigh, NC 27699-1646



Nick Shore, PG
Project Coordinator



Robert H. MacWilliams, PG
Program Manager

AECOM

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5438 Wade Park Blvd, Suite 200
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1.0 INTRODUCTION

AECOM Technical Services of North Carolina, Inc. (includes legacy URS and herein referred to as AECOM) has prepared this *Risk Management Plan* (RMP) to address dry-cleaning solvent contamination associated with the Bowen Cleaners site (DSCA Site ID DC740004) on behalf of the North Carolina Department of Environmental Quality (NCDEQ) Dry-Cleaning Solvent Cleanup Act (DSCA) Program. The Bowen Cleaners, formerly located at 2480 Stantonsburg Road in Greenville, North Carolina, operated between 1985 or 1986 and 2004 out of a commercial tenant space located in a mixed-use building within the Stanton Square Shopping Center. When in operation as a dry-cleaner, the Bowen Cleaners was located in the tenant space situated at the southwestern end of the shopping center. A self-service laundromat was located in the western portion of the dry-cleaning tenant space and the active dry-cleaning operations were operated out of the eastern portion of the tenant space, which contained the dry-cleaning machine and solvent storage area. The laundromat, now known as the Wash House, still operates as a laundromat in the southwestern portion of the Stanton Square Shopping Center, located at 2482 Stantonsburg Road. The Bowen Cleaners, operating as a drop-off/pickup facility since 2004, is currently located in the southeastern portion of the shopping center, located at 2480 Stantonsburg Road.

The Bowen Cleaners (herein referred to as the “site”) includes a portion of the source property where the dry-cleaning facility was located. The site property is as follows:

- Source property – **4B LLC, PIN 4677196379**, which includes a portion of the Stanton Square Shopping Center property and encompasses the Bowen Cleaners facility located at 2480 Stantonsburg Road, the Wash House facility located at 2482 Stantonsburg Road, the Vidant Cardiovascular & Pulmonary Health facility located at 2470 Stantonsburg Road , and the Food Lion grocery store (2460 Stantonsburg Road).

This RMP is intended to comply with the requirements of the 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

AECOM has completed assessment activities at the site which identified the following:

- The presence of tetrachloroethylene (PCE) and one or more associated daughter products, in groundwater beneath the source property at concentrations exceeding the Title 15A NCAC 2L .0202 Groundwater Standards (2L Standards);
- The presence of PCE and one or more associated daughter products in soil at concentrations exceeding the Division of Waste Management (DWM) protection of groundwater Preliminary Soil Remediation Goals (PSRGs);
- Concentrations of PCE and associated daughter products in soil gas beneath the source property that exceed calculated risk for residential and non-residential worker exposure.
- Concentrations of PCE and associated daughter products in indoor air sampled inside the building that exceed calculated risk for residential exposure but are within acceptable calculated risk levels for non-residential worker conditions.

AECOM completed a risk assessment for the site in accordance with the DSCA Program's risk assessment procedures in May 2021. The results of the risk assessment indicated that there are risks that exceed applicable target levels on the source property. 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 a RMP. Thus, the objective of the RMP is to ensure that those site-specific land-use conditions remain valid in the future.

In June 2023, a *Risk Assessment Update*, was submitted to document the completion of additional assessment activities on behalf of the property owner to further refine areas of the property where site-specific land-use conditions will be necessary to manage risks associated with contaminated media. Specifically, the findings of the additional assessment activities are documented in AECOM's *Soil, Groundwater, and Soil Gas Assessment Report – February 2023*, dated April 5, 2023,

3.0 SUMMARY OF RISK ASSESSMENT REPORT

AECOM performed a risk assessment to address the applicable exposure pathways based on the identified impacts summarized in **Section 2.0**. Comprehensive results of the risk assessment,

which are summarized herein, are documented in the *Risk Assessment Report*, dated May 19, 2021. Updated assessment information used to refine the areas where land use restrictions would be imposed is documented in the *Risk Assessment Update*, dated September 14, 2023.

The site is currently zoned as medical general commercial (MCG) by the City of Greenville. To be protective of unknown future zoning and mixed-use development, both residential and commercial (non-residential worker) scenarios were considered as part of the risk assessment.

The risk assessment process consisted of evaluating exposure pathways for the exposure units shown on **Figure 2**. A summary of the groundwater quality data used in the risk assessment is included on **Figure 3**. A summary of the soil quality data used in the risk assessment is included on **Figure 4**. A summary of the vapor quality data used in the risk assessment is included on **Figure 5**. The exposure model evaluation indicated the following exposure pathways for each Exposure Unit:

Exposure Unit #1

Exposure Unit #1 (EU#1) encompasses a portion of the Stanton Square Shopping Center property (identified as North Carolina Property Identification Number [PIN] 4677196379), which contains the former Bowen Cleaners tenant space, The Wash House tenant space and the Vidant Cardiovascular & Pulmonary Health facility, owned by 4B LLC. The exposure model evaluation indicated the following exposure pathways for EU#1:

- **Indoor Inhalation of Vapor Emissions** – For the indoor inhalation of vapor emissions exposure pathway, indoor air data was used to evaluate current risk and soil gas vapor data was used to evaluate future risk. The maximum indoor air and soil gas contaminant concentrations detected within EU#1 were conservatively used as exposure point concentrations (EPC's) for contaminants of concern (COC's) to evaluate the vapor intrusion pathway using the NCDEQ Risk Calculator (January 2023) for current and future conditions (residential and non-residential). As indicated on **Figure 5**, the risk assessment results were within acceptable risk levels for current non-residential worker land-use conditions based on indoor air contaminant concentrations. However, the risk assessment results were not within acceptable risk levels for the indoor air inhalation exposure pathway for residential or non-residential worker use under future conditions based on soil gas contaminant concentrations. The future indoor air inhalation exposure pathway in EU#1, designated on **Figure 6B** can be addressed through the imposition of

land-use controls where soil gas contaminant concentrations exceed applicable risk levels as defined herein.

- **Soil Combined Exposure Pathways** – For the soil combined pathways evaluation, soil quality data was used to evaluate current and future risk. The maximum soil contaminant concentrations detected within EU#1 were conservatively used as EPC's for COC's. Soil combined risk was evaluated using the NCDEQ Risk Calculator (January 2023) for current and future conditions (residential and non-residential). Soil combined pathway risk levels did not exceed calculated acceptable risk for current or future residential and non-residential worker conditions. However, soil contamination concentrations exceed NCDEQ PSRGs in EU#1, as indicated on **Figure 4**. Therefore, this can be addressed through the imposition of a land-use control whereupon soil in **Area A** of EU#1 as indicated on **Figure 6C** may not be removed or disturbed unless approved in writing in advance by NCDEQ or its successor in function. No other land-use controls are necessary to address the Soil Combined Exposure Pathway in **Area A** of EU#1.

Since groundwater contaminant concentrations above the 2L Standards are present within EU#1, land-use controls should be implemented preventing the use of, or exposure to, groundwater within EU#1.

Exposure Unit #2

Exposure Unit #2 (EU#2) encompasses the portion of the source property (2408 Stantonsburg Road) at Stanton Square Shopping Center (identified as NC PIN 4667196379) owned by 4B LLC. The results of the risk assessment were within acceptable risk levels for current non-residential worker conditions and were also within acceptable risk for future residential and non-residential conditions.

Since groundwater contaminant concentrations above the 2L Standards are present within EU#2, a land-use control should be implemented preventing the use of groundwater within EU#2.

Contaminant Migration Pathways Evaluation

As indicated on **Figure 2**, the closest groundwater point of exposure (POE) was selected to be the first property (PIN 4678106647) on which impacts have not been observed and is located approximately 590 feet northwest (downgradient) from the soil source area. As indicated on

Figure 2, the surface water POE was selected to be the closest downgradient surface water body, an unnamed tributary of School House Branch Creek which is located approximately 430 feet northwest from the soil source area.

Site-specific Domenico groundwater modeling indicated an exceedance of the calculated site-specific target levels (SSTLs) for PCE and TCE in source groundwater to be protective of both above listed POEs. However, an evaluation of site groundwater quality data indicates that the plume has not migrated as far as expected. As indicated on **Figure 3**, the trace presence of PCE in monitoring well MW-3 empirically demonstrate that the Domenico groundwater model utilized as part of this evaluation has over estimated contaminant migration in respect to the above listed POE. It should be noted that the Domenico groundwater model utilized as part of this evaluation does not account for physical and/or biological mediated contaminant degradation that is occurring naturally in the subsurface as the contaminant(s) migrate between the source area and the point of exposure.

As soil contaminant concentrations in **Area A** of EU#1 exist at levels above the SSTLs for PCE and TCE, an infiltrate cover must be maintained over the source area to minimize infiltration of rain or water runoff unless approved in writing in advance by NCDEQ. As further detailed in **Section 6.0**, institutional controls will also be implemented to ensure that land-use conditions are maintained and monitored until the land-use controls are no longer required for the Bowen Cleaners (DSCA Site ID DC740004) site.

4.0 REMEDIAL ACTION PLAN

4.1 Assessment Activities and Interim Actions

Environmental assessment activities have been conducted at the Bowens Cleaners Site since 2001. On August 20, 2001, Law Engineering and Environmental Services, Inc (Law) submitted a *Letter Report of Limited Soil Assessment* where three soil borings (HA-1 (Law), HA-2 (Law), and HA-3(Law)) were collected. In 2004, an additional three soil samples (MW-1, MW-2, and MW-3) were collected during the monitoring well activities conducted by Mid-Atlantic Associates, Inc. (Mid-Atlantic). This work was documented in the *Prioritization Assessment Report* dated February 2, 2005. The *Report of Additional Subsurface Investigation* prepared by Withers & Ravenel Engineering & Surveying, Inc. (W&R) was submitted in June 2007 where numerous soil samples (HA-1 through HA-10) were collected inside the former dry cleaner as well as monitoring wells (MW-5, MW-6, and MW-7) installed. Historic soil investigations found

soil contaminant concentrations at the site above both the NCDEQ PSRGs as well as the calculated SSTLs. The distribution of soil quality data indicated on **Figure 4** demonstrates that a localized area of soil impacts above the PSRGs exists beneath the Bowen Cleaners tenant space and the Vidant Cardiovascular & Pulmonary Health facility, located at 2470 Stantonsburg Road.

On June 14, 2007, W&R prepared the *Prioritization Assessment Report* and submitted to DSCA. Site conditions are such that program decides to go directly into quarterly monitoring. Groundwater Monitoring Reports were submitted to DSCA on March 1, 2008, June 30, 2008, and March 1, 2009. On April 1, 2009, W&R conducted an Aggressive Fluid Vapor Recovery (AFVR) event followed by a groundwater monitoring event and report. Additional Groundwater Monitoring Reports were submitted to DSCA on December 7, 2009, February 17, 2010, On March 19, 2010, W&R conducted an indoor air (IA-1 and IA-2) and sub-slab vapor (SSV-1 and SSV-2) sampling event and provided the *Vapor Intrusion Results Letter* to DSCA. W&R continued to prepare and submit Groundwater Monitoring Reports on April 28, 2010, August 18, 2010, December 1, 2010, and August 22, 2012 until September 24, 2013 when their involvement ended due to expiration of contract.

On April 3, 2014, AECOM performed a comprehensive groundwater sampling event. Seven site groundwater monitoring wells and one surface water location were sampled and analyzed for volatile organic compounds (VOCs). On June 15, 2015, AECOM installed one new monitoring well (MW-8) and performed a comprehensive groundwater sampling event. All eight site groundwater monitoring wells were sampled and analyzed for VOCs. Results were summarized in the *Groundwater Monitoring Report* prepared by AECOM and submitted on July 15, 2015.

Although minor fluctuations in PCE concentrations have occurred during the 13 groundwater monitoring events (2008 to 2023), it appears that plume dynamics have been relatively stable over the last few monitoring events. It should be noted that although an increasing PCE and TCE concentration trend was calculated at monitoring well MW-5, while monitoring wells MW-4, MW-6 and MW-7 which are all located within close proximity to monitoring well MW-5, and which all exhibit significantly greater levels of PCE and TCE concentrations, did not indicate increasing trends. It is uncertain to the reason of the increasing contaminant concentration trend observed for low level contamination present at monitoring well MW-5. Based on the stable and decreasing trends observed at surrounding monitoring wells MW-4, MW-6 and MW-7 it is possible that the increasing trend observed at monitoring well MW-5 may just be a temporal minor fluctuation in a larger decreasing trend. However, in comparison to the decreasing or stable contaminant concentration trends observed in other monitoring wells at the site which

exhibit more significant contaminant concentrations, it is AECOM's opinion that the plume is stable.

On November 27, 2018, AECOM installed two temporary soil gas points (SG-1 and SG-2) near the southern property line. The results were summarized in the *Soil Gas Sampling Report - November 2018* and submitted on January 11, 2019. On March 26, 2020, AECOM submitted an updated *Draft Risk Assessment* to DSCA for review. Comments regarding the review of the *Draft Risk Assessment* from DSCA were received on August 14, 2020. Based on DSCA's review of the *Draft Risk Assessment*, additional indoor air quality data was requested as the most recent indoor air quality data (IA-1 and IA-2) used in the risk assessment was greater than 10 years old. Thus, on November 24 and 25, 2020 AECOM collected one 8-hour indoor air sample from within the Bowen Cleaners tenant space and one 8-hour indoor air sample from within the Vidant Health tenant space. During indoor air sample collection, radon concentrations in indoor air were measured using a RAD7 radon detector. AECOM returned to the site the following day to install and sample three Cox-Colvin Vapor Pins® (SSVP-1 through SSVP-3) at the Bowen Cleaners tenant space. After the collection of sub-slab vapor samples SSVP-1 through SSVP-3, AECOM measured radon levels beneath the building slab of the Bowen Cleaners for a period of approximately 20 minutes at each location using a RAD7 radon detector. Results of this sampling event were summarized in the *Vapor Quality Evaluation Results – November 2020* and submitted on April 19, 2021. Based on vapor quality results, vapor and indoor air quality appear to have been adequately assessed in respect to contaminant distribution and applicable contaminant target levels based on current and future property use.

Once sufficient data was available to demonstrate groundwater plume stability, soil and vapor assessment activities were completed at the site, AECOM submitted a *Draft Risk Assessment* for the Bowen Cleaners on March 25, 2020, and the final *Risk Assessment Report* was approved on May 19, 2021. As discussed in detail in **Section 3.0**, the risk assessment concluded that the risks associated with chlorinated solvent contamination at the site could be managed through implementation of site-specific land-use controls as detailed in this RMP. Therefore, the risk assessment recommended risk-based closure for the site.

A *Risk Assessment Update*, dated September 14, 2023, was completed to include supplemental assessment information generated on behalf of the property owner to further refine areas of the property where land use restrictions will be necessary to manage risks associated with contaminated media. Specifically, the findings of the additional assessment activities are

documented in AECOMs *Soil, Groundwater, and Soil Gas Assessment Report – February 2023*, dated April 5, 2023.

4.2 Remedial Action

According to the DSCA Program’s RBCA guidance, dated May 2015, no remedial action is necessary if the following four site conditions are met:

- i. the dissolved plume is stable or decreasing;
- ii. the maximum concentration within the exposure domain for every complete exposure pathway of any COC is less than ten times the representative concentration (RC) of that COC;
- iii. 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; and,
- iv. there are no ecological concerns at the site.

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 and remedial action at the site is not required. Each of these conditions and their applicability to the subject site are summarized in the following sections.

4.2.1 Condition 1 – *The dissolved plume is stable or decreasing*

A total of 13 groundwater sampling events (March 2008, June 2008, December 2008, March 2009, October 2009, January 2010, April 2010, July 2010, October 2010, June 2012, April 2014, June 2015 and January 2023) have been conducted using existing monitoring wells to document plume stability at the site.

AECOM utilized the Mann-Kendall Analysis for the sampling events, which are included in Appendix A. As shown on the Mann-Kendall Analysis plots, groundwater impacts beneath the Stanton Square Shopping Center/Bowen Cleaners property are “Stable” for PCE concentrations with the exception of monitoring well MW-5. As documented in Section 4.1, it is uncertain to the reason of the increasing contaminant concentration trend observed for low level contamination present at monitoring well MW-5. Based on the stable and decreasing trends observed at surrounding monitoring wells MW-4, MW-6, and MW-7 it is possible that the increasing trend observed at monitoring well MW-5 may just be a temporal minor fluctuation in

a larger decreasing trend. However, in comparison to the decreasing or stable contaminant concentration trends observed in other monitoring wells at the site which exhibit more significant contaminant concentrations, it is AECOM's opinion that the plume is stable.

Based on this data, AECOM concluded that the plume is stable and concentrations in the source area are likely to remain generally stable. Documentation of the plume stability evaluation, including a table showing historical groundwater analytical data, and the Mann-Kendall Analysis for PCE and TCE are included in **Appendix A**.

4.2.2 Condition 2 – The maximum concentration within the exposure domain for every complete exposure pathway of any COC is less than ten times the RC of that COC

Representative concentrations were not calculated as part of the risk assessment for this site. Instead, a more conservative approach was utilized by using the maximum concentration for each COC within the exposure unit. Hence, this condition has been met for each COC and exposure pathway for the site.

4.2.3 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.

The risk assessment completed for the source property was based on current land use being non-residential. However, using the most conservative approach, future conditions at the site were considered to be residential. As discussed in **Section 6.0**, land-use controls will be implemented for the site to ensure that these assumptions remain valid.

4.2.4 Condition 4 – There are no ecological concerns at the site.

AECOM completed a *Level 1 Ecological Risk Assessment* as part of this Risk Management Plan 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, as well as the EDR NEPASEARCH™ are attached 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. The plume is expected to naturally attenuate over time and the appropriate remedial action is to

implement appropriate land-use controls on the properties where soil and/or groundwater contamination is present.

5.0 DATA COLLECTED DURING RMP IMPLEMENTATION

No further sampling or other data collection activities are proposed for the site or adjacent properties, assuming the assumptions detailed in the NDCSR remain valid. As such, this section is not applicable.

6.0 LAND-USE CONTROLS

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

- The source property shall not be used for childcare centers or schools.
- The source property shall not be used for mining or extraction of coal, oil, gas or any mineral or non-mineral substances without prior written approval from NCDEQ.
- Groundwater will not be used on the source property without prior approval of NCDEQ.
- 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** of **Appendix C**, without prior approval of DEQ.
- Soil in **Area A** as shown on **Figure 6C** 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.
- Any activities within **Area B** of the source property as shown on **Figure 6B**, that cause or create a VI risk should not be completed without prior approval of NCDEQ, as detailed below:

- 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 the NCDEQ. 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.
- Structural modifications that may cause or create an increased risk from vapor intrusion require the property owner to demonstrate to the satisfaction of the NCDEQ 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.

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. The NDCSR was prepared for the source property to comply with the land-use control requirement. The NDCSR is included in **Appendix C**. Refer to the NDCSR 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 **Exhibit A** to the NDCSR. The locations of dry-cleaning solvent impacts are where contaminants have been detected above unrestricted use standards.

7.0 LONG-TERM STEWARDSHIP PLAN

The NDCSR for the source property contains a clause which requires the owner of the site 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 certification is included in **Appendix D**.

8.0 RMP IMPLEMENTATION SCHEDULE

Since the groundwater plume is stable and possible exposure to the contamination is managed through the NDCSR, 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 this proposed strategy. **Appendix E** includes example documents used to announce the public comment period in the local newspaper and to inform local officials, nearby property owners, and interested parties. As such, upon completion of the 30-day public comment period and final approval of the RMP, the NDCSR will be filed with the Pitt 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 NDCSR has been executed and recorded with the Pitt County Register of Deeds. The NDCSR for the property may, at the request of the property owner, may 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 the remediation of the property. If NCDEQ is notified of a change in site conditions, per the notification requirements set forth in each 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 property owner as part of the NDCSR requirements.

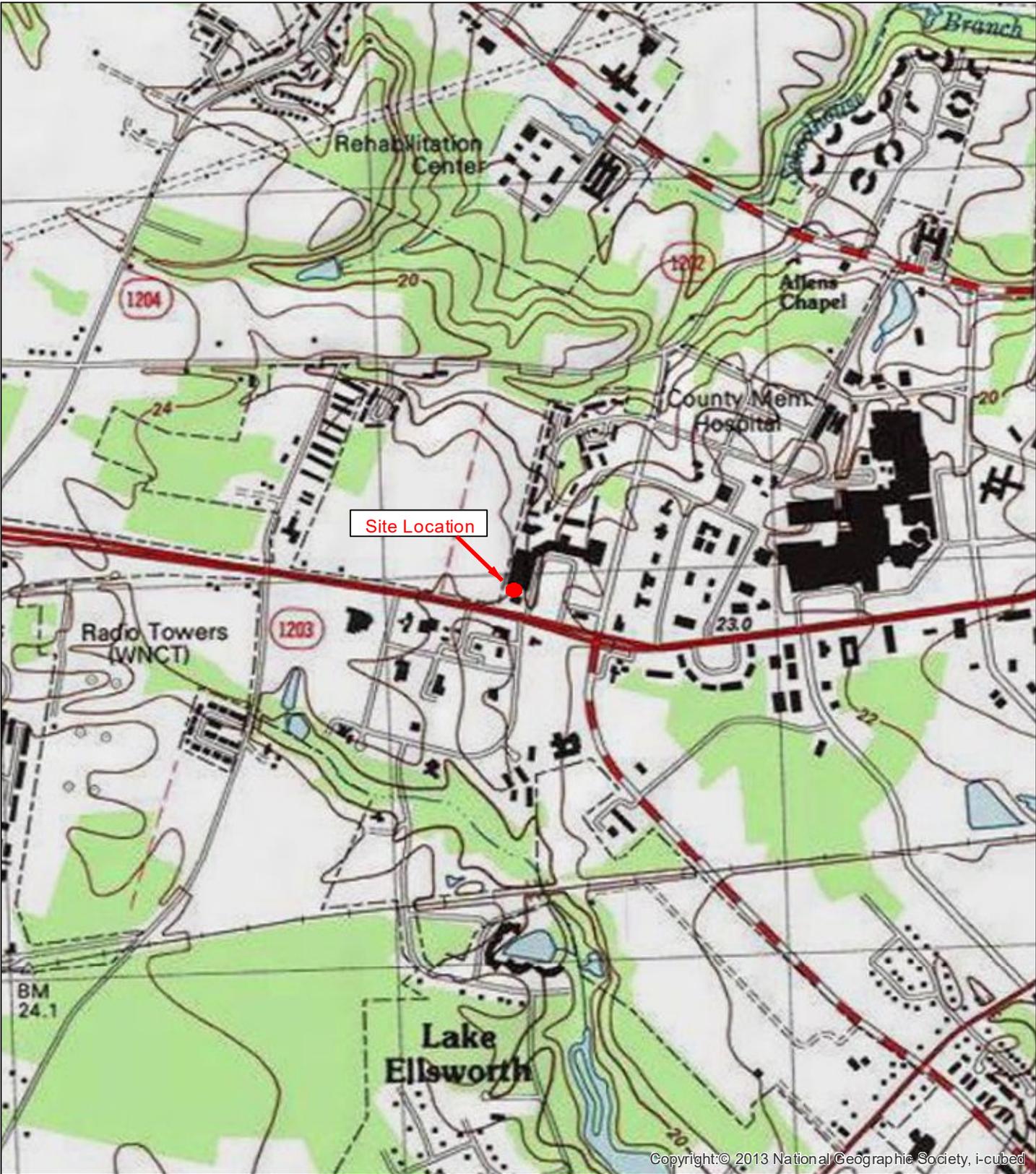
10.0 CONTINGENCY PLAN IF RMP FAILS

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 owners of the properties at the time the LURs are violated, the owner’s successors and assigns, and the owner’s agents who direct or contract 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

AECOM has prepared this RMP for the Bowen Cleaners (DSCA Site ID DC740004) 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 contaminant plume associated with the site appears 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, AECOM recommends issuance of a “No Further Action” letter.

FIGURES



Site Location Map

Bowen Cleaners
 2480 Stantonburg Road
 Greenville, Pitt County, North Carolina
 DSCA Site ID DC740004

0 550 1,100 2,200
 Feet

November 2021

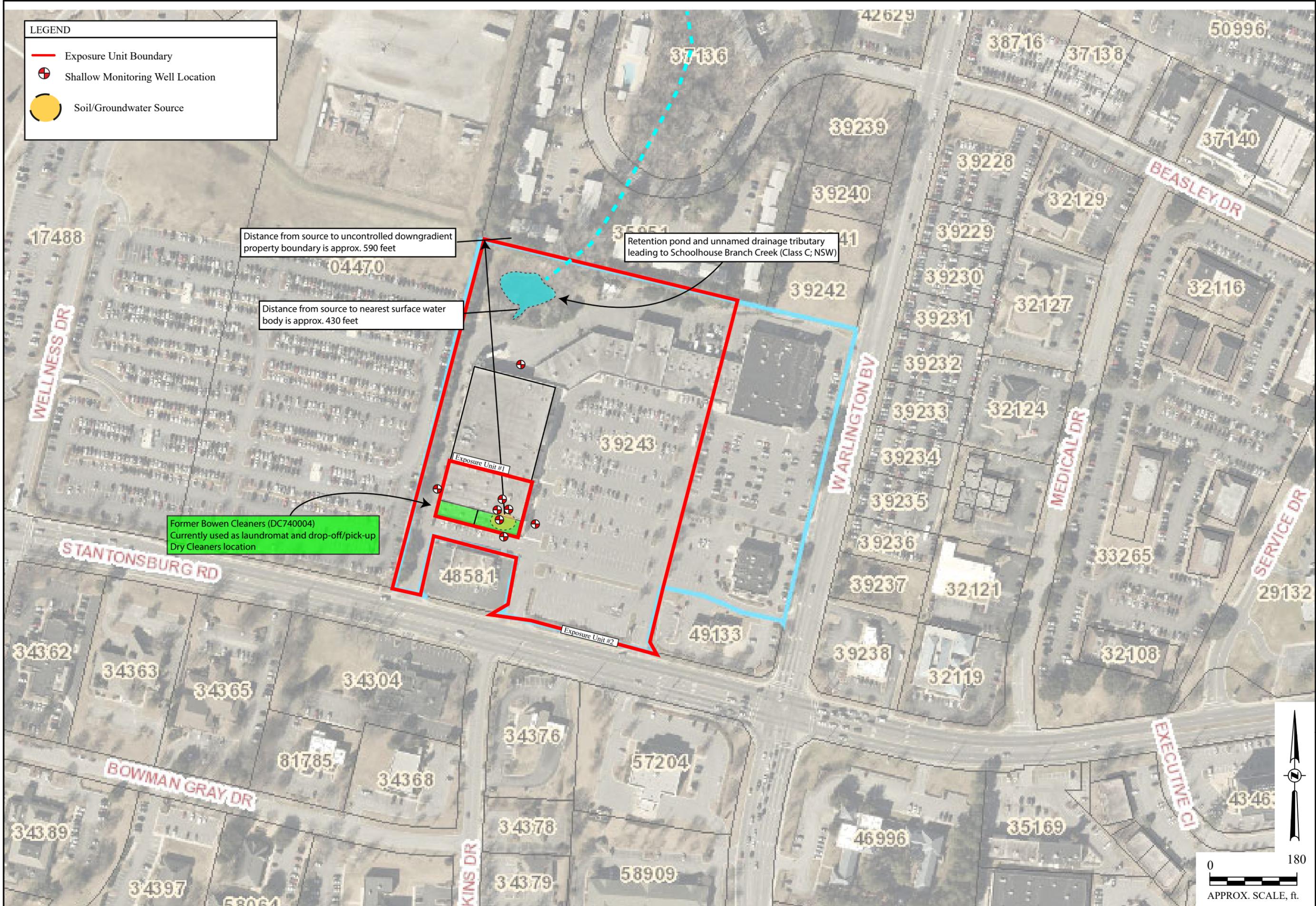
Figure 1

AECOM

5438 Wade Park Boulevard, Suite 200
 Raleigh, NC 27607
 Phone: (919) 461-1100
 www.aecom.com

LEGEND

- Exposure Unit Boundary
- ⊕ Shallow Monitoring Well Location
- Soil/Groundwater Source



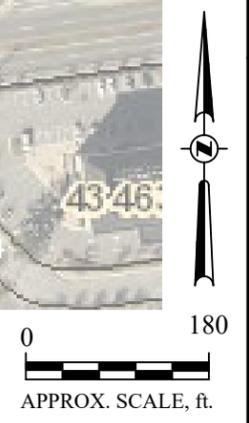
Exposure Unit Location Map
 Bowen Cleaners
 2480 Stantonsburg Road
 Greenville, NC
 DSCA Site # DC740004

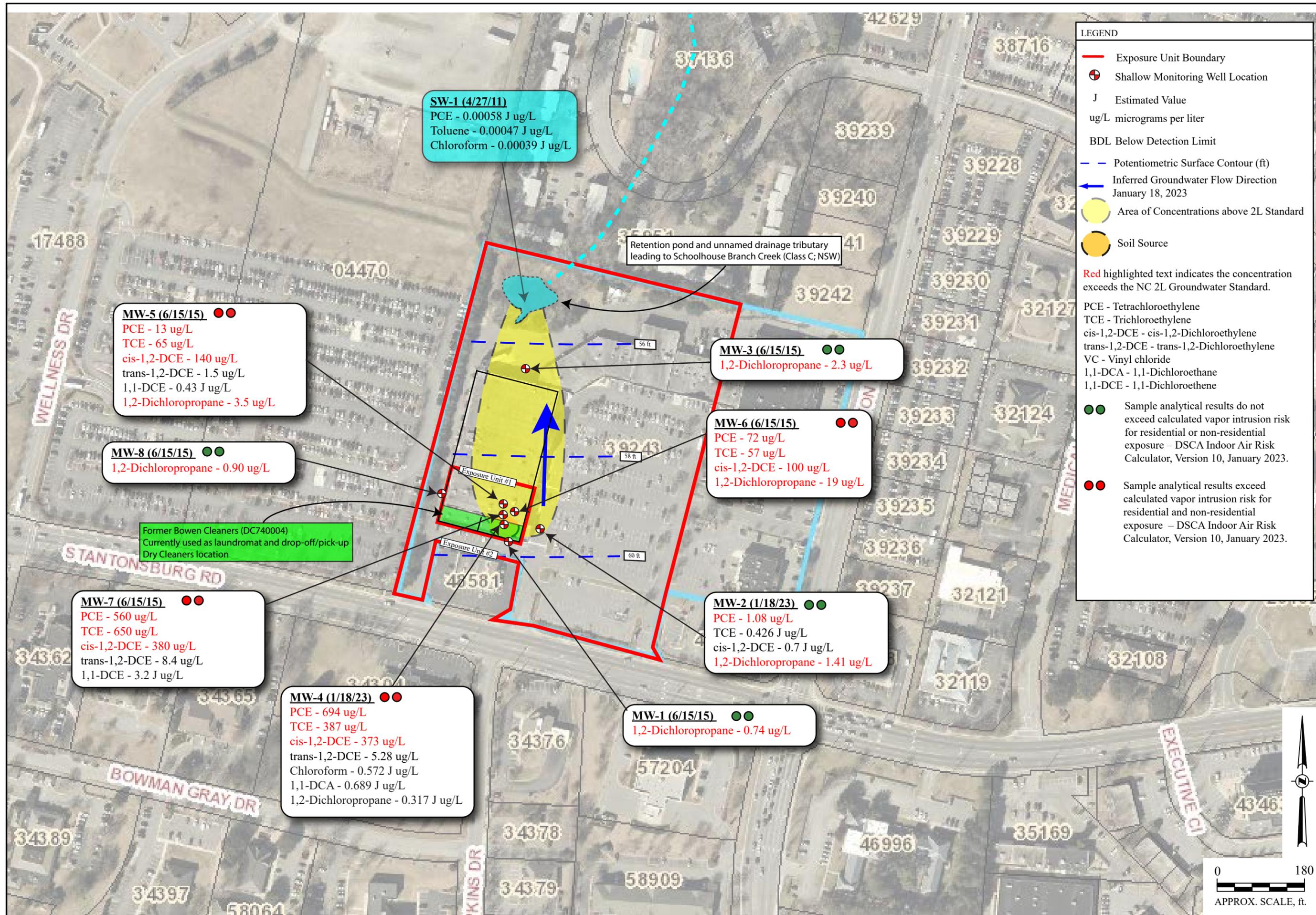
AECOM TECHNICAL SERVICES OF NORTH CAROLINA
 5925 CARNegie BLVD., SUITE 300
 CHARLOTTE, NC 28210
 TEL: (704) 553-6150
 FAX: (704) 553-6151



DRAWN BY: CES - 4/13/18
 CHECKED BY: RHM - 4/13/18
 PROJECT NO.: 60568281

SHEET:
 ATT. 1B





SW-1 (4/27/11)
 PCE - 0.00058 J ug/L
 Toluene - 0.00047 J ug/L
 Chloroform - 0.00039 J ug/L

MW-5 (6/15/15) ●●
 PCE - 13 ug/L
 TCE - 65 ug/L
 cis-1,2-DCE - 140 ug/L
 trans-1,2-DCE - 1.5 ug/L
 1,1-DCE - 0.43 J ug/L
 1,2-Dichloropropane - 3.5 ug/L

MW-8 (6/15/15) ●●
 1,2-Dichloropropane - 0.90 ug/L

Former Bowen Cleaners (DC740004)
 Currently used as laundromat and drop-off/pick-up
 Dry Cleaners location

MW-7 (6/15/15) ●●
 PCE - 560 ug/L
 TCE - 650 ug/L
 cis-1,2-DCE - 380 ug/L
 trans-1,2-DCE - 8.4 ug/L
 1,1-DCE - 3.2 J ug/L

MW-4 (1/18/23) ●●
 PCE - 694 ug/L
 TCE - 387 ug/L
 cis-1,2-DCE - 373 ug/L
 trans-1,2-DCE - 5.28 ug/L
 Chloroform - 0.572 J ug/L
 1,1-DCA - 0.689 J ug/L
 1,2-Dichloropropane - 0.317 J ug/L

MW-1 (6/15/15) ●●
 1,2-Dichloropropane - 0.74 ug/L

MW-3 (6/15/15) ●●
 1,2-Dichloropropane - 2.3 ug/L

MW-6 (6/15/15) ●●
 PCE - 72 ug/L
 TCE - 57 ug/L
 cis-1,2-DCE - 100 ug/L
 1,2-Dichloropropane - 19 ug/L

MW-2 (1/18/23) ●●
 PCE - 1.08 ug/L
 TCE - 0.426 J ug/L
 cis-1,2-DCE - 0.7 J ug/L
 1,2-Dichloropropane - 1.41 ug/L

LEGEND

- Exposure Unit Boundary
- ⊕ Shallow Monitoring Well Location
- J Estimated Value
- ug/L micrograms per liter
- BDL Below Detection Limit
- - - Potentiometric Surface Contour (ft)
- Inferred Groundwater Flow Direction
January 18, 2023
- Area of Concentrations above 2L Standard
- Soil Source

Red highlighted text indicates the concentration exceeds the NC 2L Groundwater Standard.

PCE - Tetrachloroethylene
 TCE - Trichloroethylene
 cis-1,2-DCE - cis-1,2-Dichloroethylene
 trans-1,2-DCE - trans-1,2-Dichloroethylene
 VC - Vinyl chloride
 1,1-DCA - 1,1-Dichloroethane
 1,1-DCE - 1,1-Dichloroethene

- Sample analytical results do not exceed calculated vapor intrusion risk for residential or non-residential exposure – DSCA Indoor Air Risk Calculator, Version 10, January 2023.
- Sample analytical results exceed calculated vapor intrusion risk for residential and non-residential exposure – DSCA Indoor Air Risk Calculator, Version 10, January 2023.

Groundwater Quality Summary Map
 Bowen Cleaners
 2480 Stantonsburg Road
 Greenville, NC
 DSCA Site ID DC740004

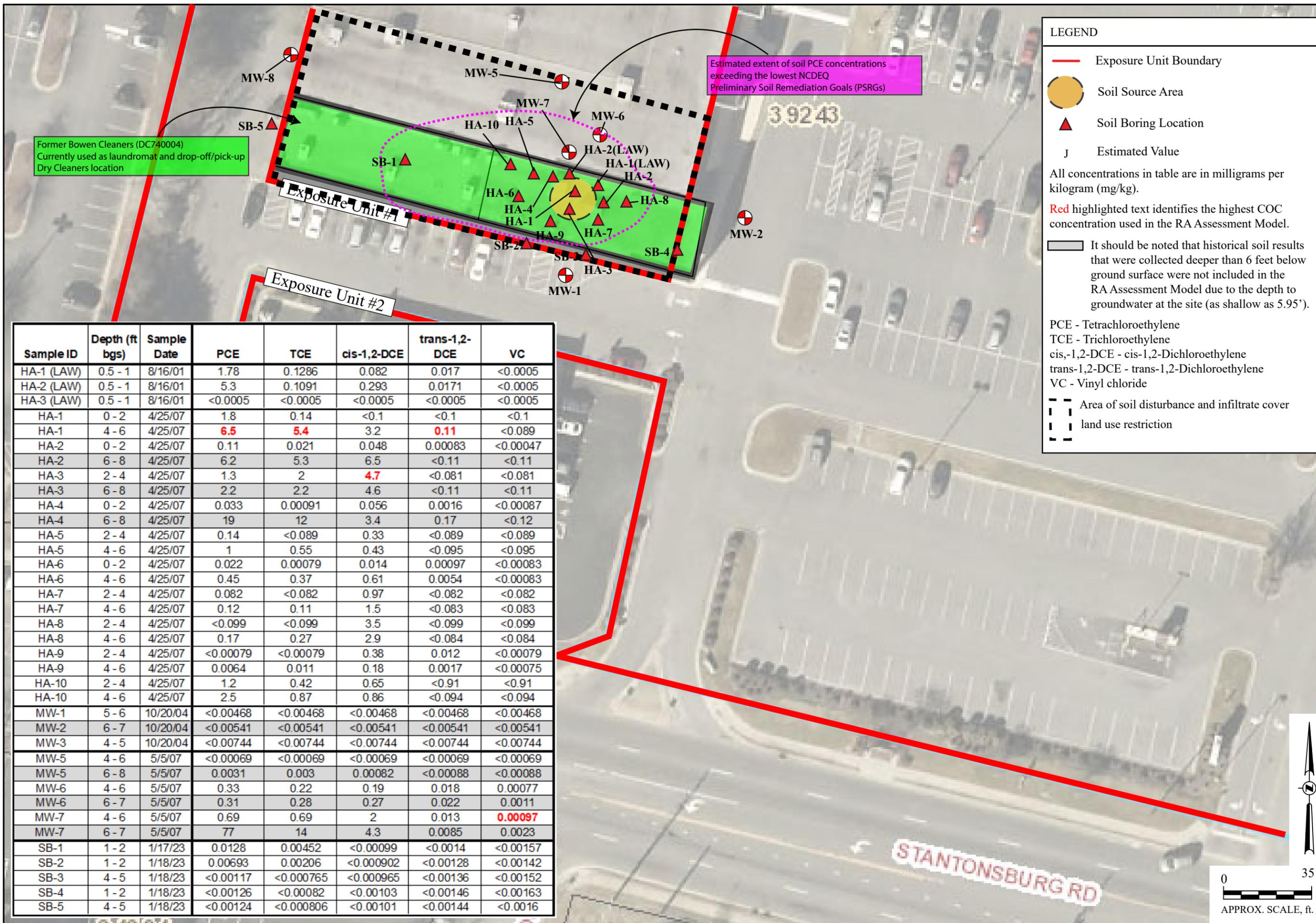
AECOM TECHNICAL SERVICES OF
 NORTH CAROLINA, INC.
 6000 FAIRVIEW ROAD, SUITE 200
 CHARLOTTE, NC 28210
 TEL: (704) 522-0330
 FAX: (704) 522-0063



DRAWN BY: MLD - 9/13/2023
 CHECKED BY: FNS - 9/13/2023
 PROJECT NO.: 60663917

SHEET:
Figure 3





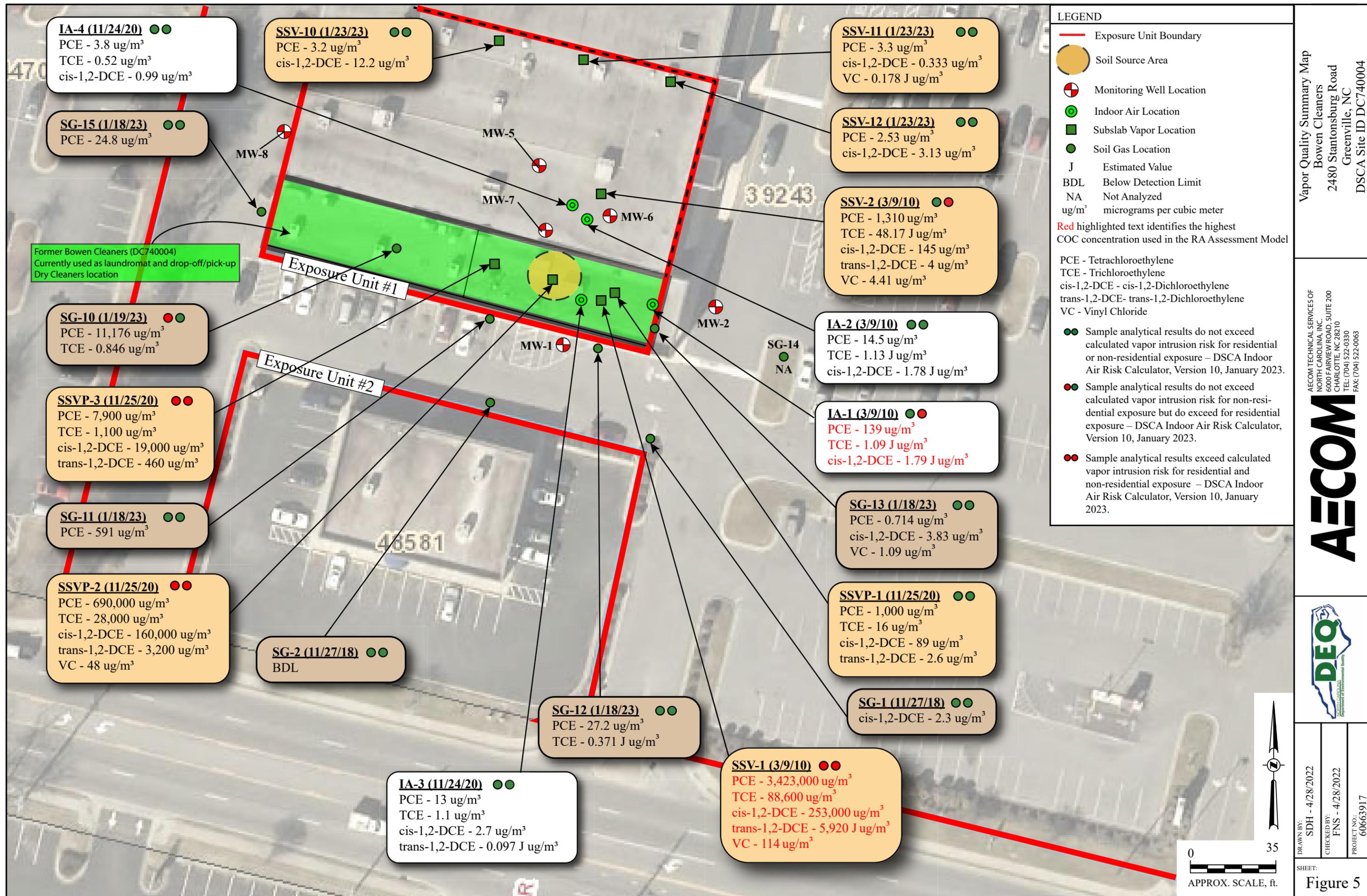
Soil Quality Summary Map
Bowen Cleaners
2480 Stantonsburg Road
Greenville, NC
DSCA Site ID DC740004

AECOM TECHNICAL SERVICES OF
NORTH CAROLINA, INC.
6000 FAIRVIEW ROAD, SUITE 200
CHARLOTTE, NC 28210
TEL: (704) 522-0330
FAX: (704) 522-0063



DRAWN BY: SDH - 2/22/2023
CHECKED BY: FNS - 2/22/2023
PROJECT NO.: 60663917

Figure 4



IA-4 (11/24/20) ●●
 PCE - 3.8 ug/m³
 TCE - 0.52 ug/m³
 cis-1,2-DCE - 0.99 ug/m³

SSV-10 (1/23/23) ●●
 PCE - 3.2 ug/m³
 cis-1,2-DCE - 12.2 ug/m³

SSV-11 (1/23/23) ●●
 PCE - 3.3 ug/m³
 cis-1,2-DCE - 0.333 ug/m³
 VC - 0.178 J ug/m³

SG-15 (1/18/23) ●●
 PCE - 24.8 ug/m³

SSV-12 (1/23/23) ●●
 PCE - 2.53 ug/m³
 cis-1,2-DCE - 3.13 ug/m³

SSV-2 (3/9/10) ●●●
 PCE - 1,310 ug/m³
 TCE - 48.17 J ug/m³
 cis-1,2-DCE - 145 ug/m³
 trans-1,2-DCE - 4 ug/m³
 VC - 4.41 ug/m³

IA-2 (3/9/10) ●●●
 PCE - 14.5 ug/m³
 TCE - 1.13 J ug/m³
 cis-1,2-DCE - 1.78 J ug/m³

IA-1 (3/9/10) ●●●
 PCE - 139 ug/m³
 TCE - 1.09 J ug/m³
 cis-1,2-DCE - 1.79 J ug/m³

SG-13 (1/18/23) ●●●
 PCE - 0.714 ug/m³
 cis-1,2-DCE - 3.83 ug/m³
 VC - 1.09 ug/m³

SSVP-1 (11/25/20) ●●●
 PCE - 1,000 ug/m³
 TCE - 16 ug/m³
 cis-1,2-DCE - 89 ug/m³
 trans-1,2-DCE - 2.6 ug/m³

SG-1 (11/27/18) ●●●
 cis-1,2-DCE - 2.3 ug/m³

Former Bowen Cleaners (DC740004)
 Currently used as laundromat and drop-off/pick-up
 Dry Cleaners location

SG-10 (1/19/23) ●●●
 PCE - 11,176 ug/m³
 TCE - 0.846 ug/m³

SSVP-3 (11/25/20) ●●●
 PCE - 7,900 ug/m³
 TCE - 1,100 ug/m³
 cis-1,2-DCE - 19,000 ug/m³
 trans-1,2-DCE - 460 ug/m³

SG-11 (1/18/23) ●●●
 PCE - 591 ug/m³

SSVP-2 (11/25/20) ●●●
 PCE - 690,000 ug/m³
 TCE - 28,000 ug/m³
 cis-1,2-DCE - 160,000 ug/m³
 trans-1,2-DCE - 3,200 ug/m³
 VC - 48 ug/m³

SG-2 (11/27/18) ●●●
 BDL

SG-12 (1/18/23) ●●●
 PCE - 27.2 ug/m³
 TCE - 0.371 J ug/m³

IA-3 (11/24/20) ●●●
 PCE - 13 ug/m³
 TCE - 1.1 ug/m³
 cis-1,2-DCE - 2.7 ug/m³
 trans-1,2-DCE - 0.097 J ug/m³

SSV-1 (3/9/10) ●●●
 PCE - 3,423,000 ug/m³
 TCE - 88,600 ug/m³
 cis-1,2-DCE - 253,000 ug/m³
 trans-1,2-DCE - 5,920 J ug/m³
 VC - 114 ug/m³

LEGEND

- Exposure Unit Boundary
- Soil Source Area
- Monitoring Well Location
- Indoor Air Location
- Subslab Vapor Location
- Soil Gas Location
- J Estimated Value
- BDL Below Detection Limit
- NA Not Analyzed
- ug/m³ micrograms per cubic meter

Red highlighted text identifies the highest COC concentration used in the RA Assessment Model

PCE - Tetrachloroethylene
 TCE - Trichloroethylene
 cis-1,2-DCE - cis-1,2-Dichloroethylene
 trans-1,2-DCE - trans-1,2-Dichloroethylene
 VC - Vinyl Chloride

- Sample analytical results do not exceed calculated vapor intrusion risk for residential or non-residential exposure – DSCA Indoor Air Risk Calculator, Version 10, January 2023.
- Sample analytical results do not exceed calculated vapor intrusion risk for non-residential exposure but do exceed for residential exposure – DSCA Indoor Air Risk Calculator, Version 10, January 2023.
- Sample analytical results exceed calculated vapor intrusion risk for residential and non-residential exposure – DSCA Indoor Air Risk Calculator, Version 10, January 2023.

Vapor Quality Summary Map
 Bowen Cleaners
 2480 Stantonsburg Road
 Greenville, NC
 DSCA Site ID DC740004

AECOM TECHNICAL SERVICES OF
 NORTH CAROLINA, INC.
 6000 FAIRVIEW ROAD, SUITE 200
 CHARLOTTE, NC 28210
 TEL: (704) 522-0330
 FAX: (704) 522-0063

AECOM

DEQ
 Department of Environment and Natural Resources

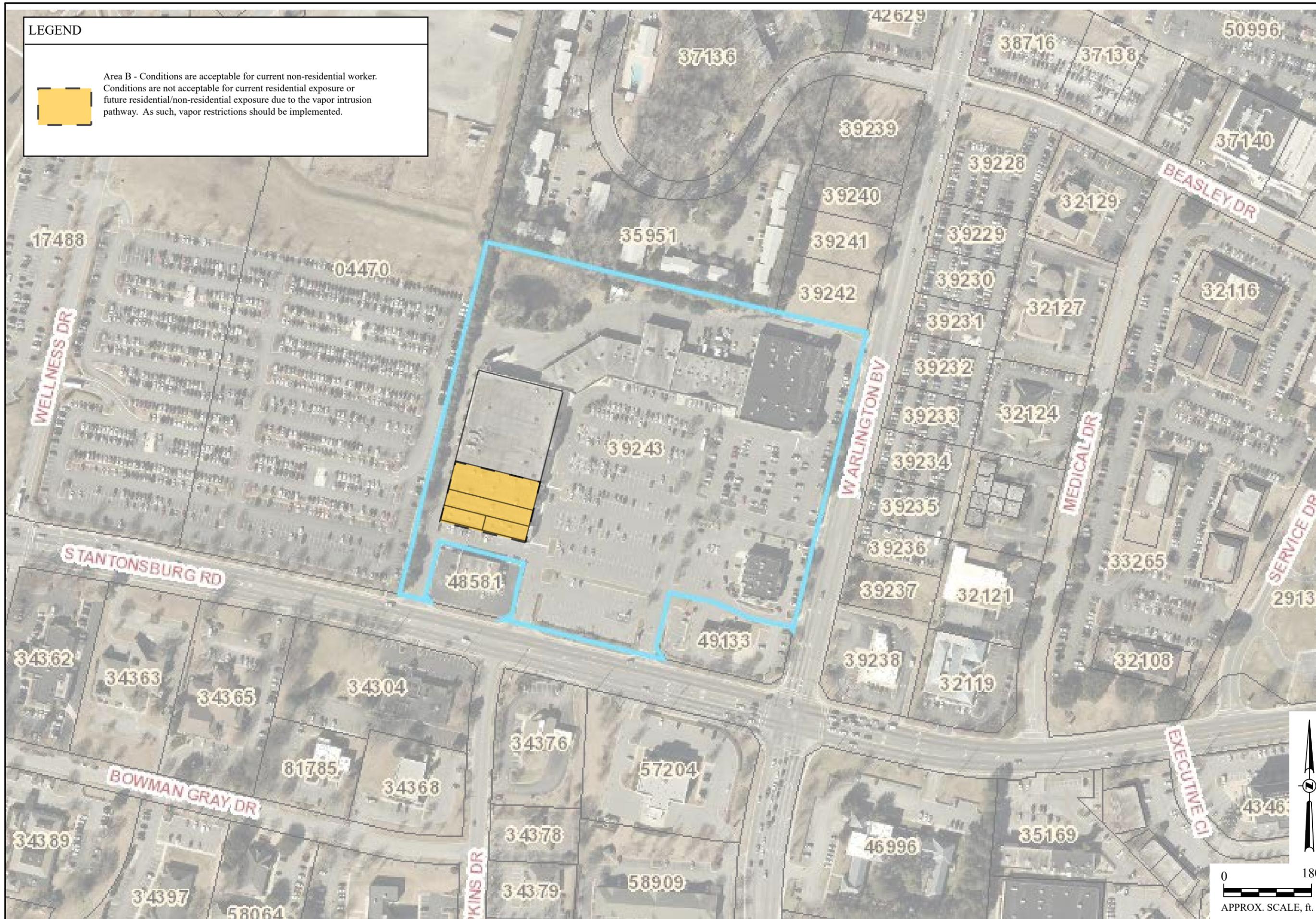
DRAWN BY: SDH - 4/28/2022
 CHECKED BY: FNS - 4/28/2022
 PROJECT NO.: 60663917

SHEET:
Figure 5

LEGEND

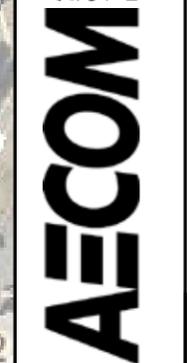


Area B - Conditions are acceptable for current non-residential worker. Conditions are not acceptable for current residential exposure or future residential/non-residential exposure due to the vapor intrusion pathway. As such, vapor restrictions should be implemented.



Land Use Restriction Map 2
Bowen Cleaners
2480 Stantonsburg Road
Greenville, NC
DSCA Site # DC740004

AECOM TECHNICAL SERVICES OF NORTH CAROLINA
5925 CARNEGIE BLVD., SUITE 300
CHARLOTTE, NC 28210
TEL: (704) 553-6150
FAX: (704) 553-6151



| | |
|------------------------------|--------------------------|
| DRAWN BY: CES - 4/13/18 | PROJECT NO.: 60568281 |
| CHECKED BY: RHM - 4/13/18 | |
| SHEET: Figure 6B | |

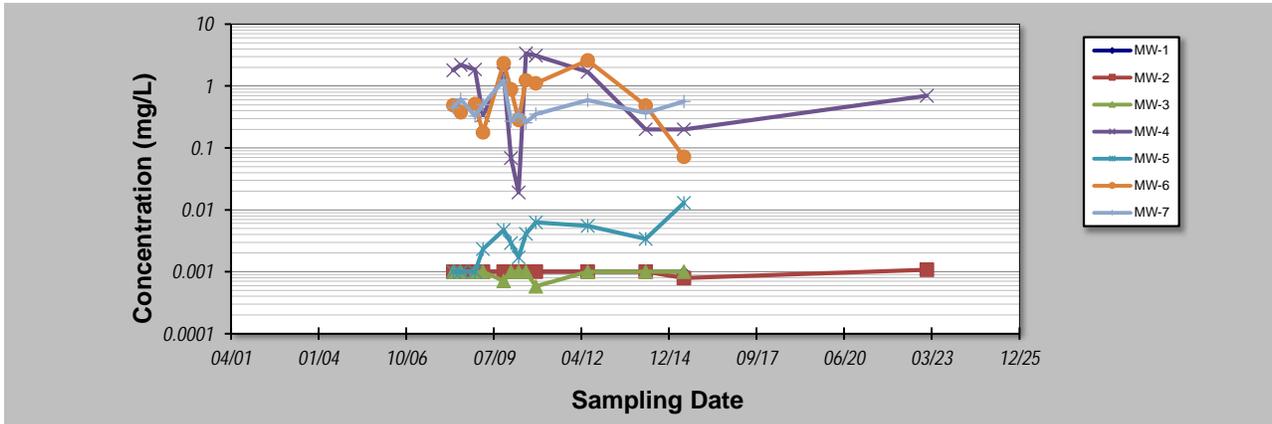
APPENDIX A
PLUME STABILITY DEMONSTRATION

GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

| | |
|---|----------------------------------|
| Evaluation Date: 2-Jul-15 | Job ID: 60428093 |
| Facility Name: Bowen Cleaners_DC740004 | Constituent: PCE |
| Conducted By: Steven Pires | Concentration Units: mg/L |

| Sampling Point ID: | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | MW-6 | MW-7 | |
|-----------------------------|--------------------------|----------|---------|---------|------------|----------|--------|-------|
| Sampling Event | Sampling Date | | | | | | | |
| | PCE CONCENTRATION (mg/L) | | | | | | | |
| 1 | 21-Oct-04 | | | | | | | |
| 2 | 29-Mar-08 | 0.001 | 0.001 | 0.001 | 1.8 | 0.001 | 0.49 | 0.45 |
| 3 | 24-Jun-08 | 0.001 | 0.001 | 0.001 | 2.19 | 0.001 | 0.377 | 0.617 |
| 4 | 3-Dec-08 | 0.001 | 0.001 | 0.001 | 1.86 | 0.001 | 0.514 | 0.327 |
| 5 | 4-Mar-09 | 0.001 | 0.001 | 0.001 | 0.34 | 0.00232 | 0.178 | 0.501 |
| 6 | 27-Oct-09 | 0.001 | 0.001 | 0.00071 | 1.59 | 0.0047 | 2.36 | 1.24 |
| 7 | 19-Jan-10 | 0.001 | 0.001 | 0.001 | 0.0682 | 0.0029 | 0.882 | 0.271 |
| 8 | 14-Apr-10 | 0.001 | 0.001 | 0.001 | 0.0191 | 0.0017 | 0.285 | 0.352 |
| 9 | 7-Jul-10 | 0.001 | 0.001 | 0.001 | 3.38 | 0.0041 | 1.24 | 0.257 |
| 10 | 27-Oct-10 | 0.001 | 0.001 | 0.00058 | 3.11 | 0.0063 | 1.11 | 0.35 |
| 11 | 14-Jun-12 | 0.001 | 0.001 | 0.001 | 1.7 | 0.0055 | 2.6 | 0.59 |
| 12 | 3-Apr-14 | 0.001 | 0.001 | 0.001 | 0.2 | 0.0034 | 0.48 | 0.37 |
| 13 | 15-Jun-15 | 0.001 | 0.00079 | 0.001 | 0.2 | 0.013 | 0.072 | 0.56 |
| 14 | 18-Jan-23 | | 0.00108 | | 0.694 | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| Coefficient of Variation: | 0.00 | 0.06 | 0.15 | 0.88 | 0.86 | 0.94 | 0.54 | |
| Mann-Kendall Statistic (S): | 0 | 1 | -3 | -17 | 43 | 4 | -2 | |
| Confidence Factor: | 47.3% | 50.0% | 55.4% | 83.2% | 99.9% | 58.0% | 52.7% | |
| Concentration Trend: | Stable | No Trend | Stable | Stable | Increasing | 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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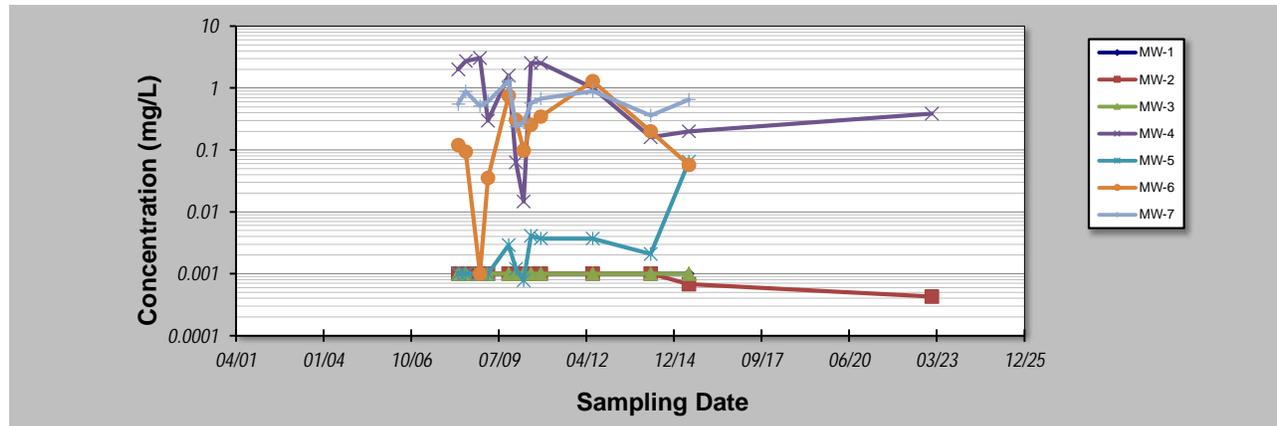
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **2-Jul-15**
 Facility Name: **Bowen Cleaners_DC740004**
 Conducted By: **Steven Pires**

Job ID: **60428093**
 Constituent: **TCE**
 Concentration Units: **mg/L**

Sampling Point ID: **MW-1** **MW-2** **MW-3** **MW-4** **MW-5** **MW-6** **MW-7**

| Sampling Event | Sampling Date | TCE CONCENTRATION (mg/L) | | | | | | |
|-----------------------------|---------------|--------------------------|------------------|--------|------------------|------------|----------|----------|
| | | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | MW-6 | MW-7 |
| 1 | 21-Oct-04 | | | | | | | |
| 2 | 29-Mar-08 | 0.001 | 0.001 | 0.001 | 2 | 0.001 | 0.12 | 0.55 |
| 3 | 24-Jun-08 | 0.001 | 0.001 | 0.001 | 2.74 | 0.001 | 0.094 | 0.881 |
| 4 | 3-Dec-08 | 0.001 | 0.001 | 0.001 | 3.06 | 0.001 | 0.001 | 0.511 |
| 5 | 4-Mar-09 | 0.001 | 0.001 | 0.001 | 0.297 | 0.001 | 0.0351 | 0.606 |
| 6 | 27-Oct-09 | 0.001 | 0.001 | 0.001 | 1.6 | 0.0029 | 0.751 | 1.31 |
| 7 | 19-Jan-10 | 0.001 | 0.001 | 0.001 | 0.0634 | 0.0012 | 0.306 | 0.238 |
| 8 | 14-Apr-10 | 0.001 | 0.001 | 0.001 | 0.0148 | 0.00078 | 0.0978 | 0.277 |
| 9 | 7-Jul-10 | 0.001 | 0.001 | 0.001 | 2.55 | 0.0041 | 0.254 | 0.571 |
| 10 | 27-Oct-10 | 0.001 | 0.001 | 0.001 | 2.54 | 0.0037 | 0.345 | 0.677 |
| 11 | 14-Jun-12 | 0.001 | 0.001 | 0.001 | 1 | 0.0037 | 1.3 | 0.9 |
| 12 | 3-Apr-14 | 0.001 | 0.001 | 0.001 | 0.16 | 0.0021 | 0.2 | 0.36 |
| 13 | 15-Jun-15 | 0.001 | 0.00068 | 0.001 | 0.2 | 0.065 | 0.057 | 0.65 |
| 14 | 18-Jan-23 | | 0.000426 | | 0.387 | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| Coefficient of Variation: | | 0.00 | 0.19 | 0.00 | 0.92 | 2.50 | 1.27 | 0.47 |
| Mann-Kendall Statistic (S): | | 0 | -23 | 0 | -24 | 33 | 14 | 4 |
| Confidence Factor: | | 47.3% | 90.8% | 47.3% | 91.8% | 98.7% | 81.0% | 58.0% |
| Concentration Trend: | | Stable | Prob. Decreasing | Stable | Prob. Decreasing | Increasing | No 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.

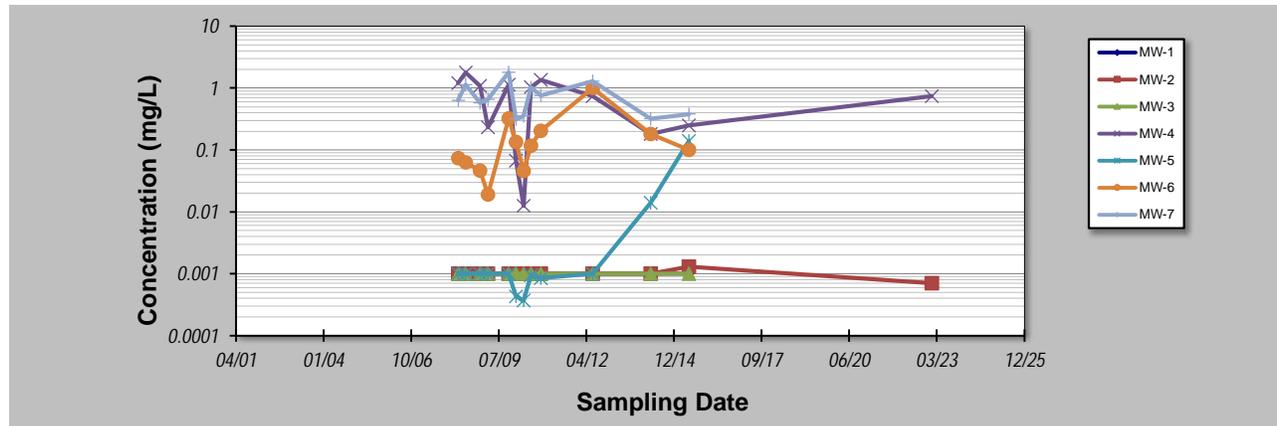
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

| | |
|---|----------------------------------|
| Evaluation Date: 2-Jul-15 | Job ID: 60428093 |
| Facility Name: Bowen Cleaners_DC740004 | Constituent: cis-1,2-DCE |
| Conducted By: Steven Pires | Concentration Units: mg/L |

Sampling Point ID: **MW-1** **MW-2** **MW-3** **MW-4** **MW-5** **MW-6** **MW-7**

| Sampling Event | Sampling Date | CIS-1,2-DCE CONCENTRATION (mg/L) | | | | | | |
|-----------------------------|---------------|----------------------------------|--------|--------|------------------|----------|----------|--------|
| | | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | MW-6 | MW-7 |
| 1 | 21-Oct-04 | | | | | | | |
| 2 | 29-Mar-08 | 0.001 | 0.001 | 0.001 | 1.2 | 0.001 | 0.074 | 0.64 |
| 3 | 24-Jun-08 | 0.001 | 0.001 | 0.001 | 1.79 | 0.001 | 0.063 | 1.13 |
| 4 | 3-Dec-08 | 0.001 | 0.001 | 0.001 | 1.08 | 0.001 | 0.0462 | 0.574 |
| 5 | 4-Mar-09 | 0.001 | 0.001 | 0.001 | 0.231 | 0.001 | 0.0191 | 0.662 |
| 6 | 27-Oct-09 | 0.001 | 0.001 | 0.001 | 1.13 | 0.001 | 0.322 | 1.81 |
| 7 | 19-Jan-10 | 0.001 | 0.001 | 0.001 | 0.0665 | 0.00043 | 0.134 | 0.314 |
| 8 | 14-Apr-10 | 0.001 | 0.001 | 0.001 | 0.0125 | 0.00037 | 0.0457 | 0.353 |
| 9 | 7-Jul-10 | 0.001 | 0.001 | 0.001 | 1.04 | 0.00095 | 0.117 | 1.02 |
| 10 | 27-Oct-10 | 0.001 | 0.001 | 0.001 | 1.35 | 0.00085 | 0.204 | 0.76 |
| 11 | 14-Jun-12 | 0.001 | 0.001 | 0.001 | 0.74 | 0.001 | 1 | 1.3 |
| 12 | 3-Apr-14 | 0.001 | 0.001 | 0.001 | 0.18 | 0.014 | 0.18 | 0.32 |
| 13 | 15-Jun-15 | 0.001 | 0.0013 | 0.001 | 0.25 | 0.14 | 0.1 | 0.38 |
| 14 | 18-Jan-23 | | 0.0007 | | 0.737 | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| Coefficient of Variation: | | 0.00 | 0.12 | 0.00 | 0.75 | 2.95 | 1.40 | 0.60 |
| Mann-Kendall Statistic (S): | | 0 | -1 | 0 | -24 | 7 | 18 | -6 |
| Confidence Factor: | | 47.3% | 50.0% | 47.3% | 91.8% | 65.6% | 87.5% | 63.1% |
| Concentration Trend: | | Stable | Stable | Stable | Prob. Decreasing | No Trend | No Trend | Stable |



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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Table 8: Analytical Data for Groundwater

DSCA Site ID: DC740004

| 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-Dichloroethane | 1,1-Dichloroethylene | Chloroform | 1,2-Dichloropropane | Chloromethane | sec Butylbenzene | Bromodichloromethane | | |
|----------------------------|--------------------------|---------|--------------------------|--------------|--------------------------------|-------------|---------------------|---------|----------------------------|-------------------|----------------|-----------------|--------------------|----------------------|------------|---------------------|---------------|------------------|----------------------|--|--|
| | | [mg/L] | | | | | | | | | | | | | | | | | | | |
| MW-1 | 10/21/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 3.45 | ND | ND | ND | | |
| | 3/29/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.005 | <0.001 | <0.005 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | ND | ND | ND | ND | | |
| | 6/24/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | <0.001 | ND | ND | ND | | |
| | 12/3/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | <0.001 | ND | ND | ND | | |
| | 3/4/2009 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.00281 | ND | ND | ND | | |
| | 10/27/2009 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0013 | ND | ND | <0.001 | | |
| | 1/19/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0013 | ND | ND | <0.001 | | |
| | 4/14/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0015 | 0.00065J | <0.001 | ND | | |
| | 7/7/2010 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00061J | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.001 | 0.0002 J | <0.001 | ND | | |
| | 10/27/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0013 | <0.001 | <0.001 | ND | | |
| | 6/14/2012 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| | 4/3/2014 | <0.001 | <0.001 | <0.001 | <0.001 | <0.005 | <0.001 | <0.005 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | <0.001 | <0.0025 | <0.001 | <0.001 | | |
| 6/15/2015 | <0.001 | <0.001 | <0.001 | <0.001 | <0.005 | <0.001 | <0.005 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | 0.00074 | <0.0025 | <0.001 | <0.001 | | | |
| MW-2 | 10/21/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 3.38 | ND | ND | ND | | |
| | 3/29/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.005 | <0.001 | <0.005 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | ND | ND | ND | ND | | |
| | 6/24/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0035 | ND | ND | ND | | |
| | 12/3/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0028 | ND | ND | ND | | |
| | 3/4/2009 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.00359 | ND | ND | ND | | |
| | 10/27/2009 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0035 | ND | ND | <0.001 | | |
| | 1/19/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0021 | ND | ND | <0.001 | | |
| | 4/14/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.002 | <0.001 | <0.001 | ND | | |
| | 7/7/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0023 | <0.001 | <0.001 | ND | | |
| | 10/27/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0024 | 0.00019J | <0.001 | ND | | |
| | 6/14/2012 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0019 | <0.001 | <0.001 | <0.001 | | |
| | 4/3/2014 | <0.001 | <0.001 | <0.001 | <0.001 | <0.005 | <0.001 | <0.005 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | 0.0013 | <0.0025 | <0.001 | <0.001 | | |
| 6/15/2015 | <0.001 | 0.0013 | <0.001 | <0.001 | <0.005 | 0.00079 | <0.005 | <0.001 | 0.00068 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | 0.0011 | <0.0025 | <0.001 | <0.001 | | | |
| 1/18/2023 | <0.001 | 0.0007J | <0.001 | <0.005 | <0.01 | 0.00108 | <0.001 | <0.001 | 0.000426J | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | 0.00141 | <0.0025 | <0.001 | <0.001 | | | |

Table 8: Analytical Data for Groundwater

DSCA Site ID: DC740004

| 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-Dichloroethane | 1,1-Dichloroethylene | Chloroform | 1,2-Dichloropropane | Chloromethane | sec Butylbenzene | Bromodichloromethane | | | |
|----------------------------|--------------------------|---------|--------------------------|--------------|--------------------------------|-------------|---------------------|---------|----------------------------|-------------------|----------------|-----------------|--------------------|----------------------|------------|---------------------|---------------|------------------|----------------------|--------|--|--|
| | | [mg/L] | | | | | | | | | | | | | | | | | | | | |
| MW-3 | 10/21/2004 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | 3/28/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.005 | <0.001 | <0.005 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | ND | ND | ND | ND | ND | | |
| | 6/24/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | <0.001 | ND | ND | ND | ND | | |
| | 12/3/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | <0.001 | ND | ND | ND | ND | | |
| | 3/4/2009 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | <0.001 | ND | ND | ND | ND | | |
| | 10/27/2009 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00071 J | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | ND | ND | <0.001 | | |
| | 1/19/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00015 J | <0.001 | ND | ND | <0.001 | | |
| | 4/14/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00059J | <0.001 | <0.001 | ND | | |
| | 7/7/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00016J | <0.001 | 0.00025J | <0.001 | ND | | |
| | 10/27/2010 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00058J | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00017J | <0.001 | <0.001 | <0.001 | ND | | |
| | 6/14/2012 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| | 4/3/2014 | <0.001 | <0.001 | <0.001 | <0.001 | <0.005 | <0.001 | <0.005 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | <0.001 | <0.0025 | <0.001 | <0.001 | <0.001 | | |
| 6/15/2015 | <0.001 | <0.001 | <0.001 | <0.001 | <0.005 | <0.001 | <0.005 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | 0.0023 | <0.0025 | <0.001 | <0.001 | | | | |
| MW-4 | 3/28/2008 | <0.001 | 1.2 | <0.001 | <0.001 | <0.005 | 1.8 | <0.005 | 0.035 | 2 | 0.0022 | <0.003 | 0.0098 | <0.001 | 0.0052 | ND | ND | ND | ND | | | |
| | 6/24/2008 | <0.001 | 1.79 | <0.001 | <0.001 | <0.001 | 2.19 | <0.001 | 0.0449 | 2.74 | <0.001 | <0.002 | <0.001 | 0.0102 | 0.0046 | <0.001 | ND | ND | ND | | | |
| | 12/3/2008 | <0.001 | 1.08 | <0.001 | <0.001 | <0.001 | 1.86 | <0.001 | 0.0286 | 3.06 | 0.0027 | <0.002 | 0.0118 | 0.0118 | 0.00365 | <0.001 | ND | ND | ND | | | |
| | 3/4/2009 | <0.001 | 0.231 | <0.001 | <0.001 | <0.001 | 0.34 | <0.001 | 0.0036 | 0.297 | <0.001 | <0.002 | 0.0118 | <0.001 | <0.001 | 0.00298 | ND | ND | ND | | | |
| | 10/27/2009 | <0.001 | 1.13 | <0.001 | <0.001 | <0.001 | 1.59 | <0.001 | 0.0209 | 1.6 | <0.001 | <0.001 | 0.0118 | 0.0061 | 0.0043 | <0.001 | ND | ND | <0.001 | | | |
| | 1/19/2010 | <0.001 | 0.0665 | <0.001 | <0.001 | <0.001 | 0.0682 | <0.001 | 0.0013 | 0.0634 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0015 | ND | ND | <0.001 | | | |
| | 4/14/2010 | <0.001 | 0.0125 | <0.001 | <0.001 | <0.001 | 0.0191 | <0.001 | <0.001 | 0.0148 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0021 | <0.001 | <0.001 | ND | | | |
| | 7/7/2010 | <0.001 | 1.04 | <0.001 | <0.001 | <0.001 | 3.38 | <0.001 | 0.0185 | 2.55 | 0.00095J | <0.001 | <0.001 | 0.0045 | 0.0042 | 0.00044J | <0.001 | <0.001 | ND | | | |
| | 10/27/2010 | <0.001 | 1.35 | <0.001 | <0.001 | <0.001 | 3.11 | <0.001 | 0.0253 | 2.54 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0061J | <0.001 | <0.001 | <0.001 | ND | | | |
| | 6/14/2012 | <0.001 | 0.74 | <0.001 | <0.001 | <0.001 | 1.7 | <0.001 | 0.0097 | 1 | <0.001 | <0.001 | 0.0011 | <0.001 | 0.0083 | <0.001 | <0.001 | <0.001 | 0.0024 | | | |
| | 4/3/2014 | <0.001 | 0.18 | <0.001 | <0.001 | <0.005 | 0.2 | <0.005 | 0.0024 | 0.16 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | <0.001 | <0.0025 | <0.001 | <0.001 | | | |
| | 6/15/2015 | <0.001 | 0.25 | <0.001 | <0.001 | <0.005 | 0.2 | <0.005 | 0.0035 | 0.2 | <0.001 | <0.003 | <0.001 | 0.00042 J | 0.00052 J | 0.00085J | <0.0025 | <0.001 | <0.001 | | | |
| 1/18/2023 | <0.001 | 0.737 | <0.001 | <0.001 | <0.005 | 0.694 | <0.001 | 0.00528 | 0.387 | <0.001 | <0.003 | <0.001 | 0.000689J | 0.000572J | 0.000317J | <0.0025 | <0.001 | <0.001 | | | | |

Table 8: Analytical Data for Groundwater

DSCA Site ID: DC740004

| 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-Dichloroethane | 1,1-Dichloroethylene | Chloroform | 1,2-Dichloropropane | Chloromethane | sec Butylbenzene | Bromodichloromethane | | |
|----------------------------|--------------------------|---------|--------------------------|--------------|--------------------------------|-------------|---------------------|---------|----------------------------|-------------------|----------------|-----------------|--------------------|----------------------|------------|---------------------|---------------|------------------|----------------------|--|--|
| | | [mg/L] | | | | | | | | | | | | | | | | | | | |
| MW-5 | 3/29/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.005 | <0.001 | <0.005 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | ND | ND | ND | ND | | |
| | 6/24/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.0077 | ND | ND | ND | | |
| | 12/3/2008 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.00686 | ND | ND | ND | | |
| | 3/4/2009 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00232 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | <0.001 | <0.001 | <0.001 | 0.00683 | ND | ND | ND | | |
| | 10/27/2009 | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | 0.0047 | <0.001 | <0.001 | 0.0029 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0029 | <0.001 | ND | ND | 0.00046 J | | |
| | 1/19/2010 | <0.001 | 0.00043 J | <0.001 | <0.001 | <0.001 | 0.0029 | <0.001 | <0.001 | 0.0012 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00017 J | <0.001 | ND | ND | <0.001 | | |
| | 4/14/2010 | <0.001 | 0.00037J | <0.001 | <0.001 | <0.001 | 0.0017 | <0.001 | <0.001 | 0.00078J | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0051 | <0.001 | <0.001 | ND | | |
| | 7/7/2010 | <0.001 | 0.00095J | <0.001 | <0.001 | <0.001 | 0.0041 | <0.001 | <0.001 | 0.0041 | <0.001 | <0.001 | <0.001 | <0.001 | 0.00066J | 0.0015 | 0.006 | <0.001 | ND | | |
| | 10/27/2010 | <0.001 | 0.00085J | <0.001 | <0.001 | <0.001 | 0.0063 | <0.001 | <0.001 | 0.0037 | <0.001 | <0.001 | <0.001 | <0.001 | 0.001 | 0.002 | <0.001 | <0.001 | ND | | |
| | 6/14/2012 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0055 | <0.001 | <0.001 | 0.0037 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| | 4/3/2014 | <0.001 | 0.014 | <0.001 | <0.001 | <0.005 | 0.0034 | <0.005 | <0.001 | 0.0021 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | 0.0029 | <0.0025 | <0.001 | <0.001 | | |
| | 6/15/2015 | <0.001 | 0.14 | <0.001 | <0.001 | <0.005 | 0.013 | <0.005 | 0.0015 | 0.065 | <0.001 | <0.003 | <0.001 | 0.00043 J | <0.005 | 0.0035 | <0.0025 | <0.001 | <0.001 | | |
| MW-6 | 3/29/2008 | <0.001 | 0.074 | <0.001 | <0.001 | <0.005 | 0.49 | <0.005 | 0.0024 | 0.12 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | ND | ND | ND | ND | | |
| | 6/24/2008 | <0.001 | 0.063 | <0.001 | <0.001 | <0.001 | 0.377 | <0.001 | 0.002 | 0.094 | <0.001 | <0.002 | <0.001 | <0.001 | 0.0021 | <0.001 | ND | ND | ND | | |
| | 12/3/2008 | <0.001 | 0.0462 | <0.001 | <0.001 | <0.001 | 0.514 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | 0.00226 | 0.00226 | <0.001 | 0.00604 | ND | ND | ND | | |
| | 3/4/2009 | <0.001 | 0.0191 | <0.001 | <0.001 | <0.001 | 0.178 | <0.001 | 0.0026 | 0.0351 | <0.001 | <0.002 | 0.00226 | <0.001 | <0.001 | 0.00814 | ND | ND | ND | | |
| | 10/27/2009 | <0.001 | 0.322 | <0.001 | <0.001 | <0.001 | 2.36 | <0.001 | 0.0137 | 0.751 | 0.0014 | <0.001 | 0.00226 | 0.0028 | 0.0061 | 0.0014 | ND | ND | <0.001 | | |
| | 1/19/2010 | <0.001 | 0.134 | <0.001 | <0.001 | <0.001 | 0.882 | <0.001 | 0.0057 | 0.306 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.006 | ND | ND | <0.001 | | |
| | 4/14/2010 | <0.002 | 0.0457 | <0.002 | <0.002 | <0.002 | 0.285 | <0.002 | 0.0023 | 0.0978 | <0.002 | <0.004 | <0.002 | <0.002 | <0.002 | 0.0093 | 0.0012J | <0.002 | ND | | |
| | 7/7/2010 | <0.002 | 0.117 | <0.002 | <0.002 | <0.002 | 1.24 | <0.002 | 0.0046 | 0.254 | <0.002 | <0.004 | <0.002 | <0.002 | 0.0011J | 0.005 | <0.002 | <0.002 | ND | | |
| | 10/27/2010 | <0.002 | 0.204 | <0.002 | <0.002 | <0.001 | 1.11 | <0.002 | 0.009J | 0.345 | <0.001 | <0.004 | <0.002 | <0.002 | <0.001 | 0.0047J | <0.001 | <0.001 | ND | | |
| | 6/14/2012 | <0.001 | 1 | <0.002 | <0.002 | <0.001 | 2.6 | <0.002 | 0.024 | 1.3 | 0.0015 | <0.001 | 0.0037 | <0.001 | <0.001 | 0.0011 | <0.001 | <0.001 | <0.001 | | |
| 4/3/2014 | <0.001 | 0.18 | <0.001 | <0.001 | <0.005 | 0.48 | <0.005 | 0.0031 | 0.2 | <0.001 | <0.003 | <0.001 | <0.001 | <0.005 | 0.0025 | <0.0025 | <0.001 | <0.001 | | | |
| 6/15/2015 | <0.01 | 0.1 | <0.01 | <0.01 | <0.05 | 0.072 | <0.05 | <0.01 | 0.057 | <0.01 | <0.03 | <0.01 | <0.01 | <0.05 | 0.019 | <0.025 | <0.01 | <0.01 | | | |

APPENDIX B
LEVEL I ECOLOGICAL RISK ASSESSMENT CHECKLISTS

Level 1 Ecological Risk Assessment
Checklist A for Potential Receptors and Habitat
DSCA Site ID DC740004

- 1. Are there any navigable water bodies or tributaries to a navigable water body on or within the one-half mile of this site?** Yes. The Schoolhouse Branch of the Tar River exists to the north of the site as well as the Greens Mill Run to the southwest, both just within one-half mile. The drainage and surface water features within one-half mile of the site are shown on the attached **Figure 1**.
- 2. Are there any water bodies anywhere on or within the one-half mile of the site?** Yes, the two streams off of the Tar River to the north and southwest of the site, as well as a small lake south of the site.
- 3. Are there any wetland areas such as marshes or swamps on or within one-half mile of the site?** Yes. According to the EDR NEPA Search Report, the National Wetlands Inventory (NWI) identified twelve (12) wetland features within one mile of the site and three (3) wetland features within one-half mile of the site. Off-site wetland features within one-half mile include:
 1. PEM1Fx – [P] Palustrine [EM] Emergent [1] Persistent [F] Semipermanently Flooded [x] Excavated, located approximately 1,625 feet to the south-southwest.
 2. PFO1A – [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded, located approximately 1,740 feet to the south-southwest.
 3. PUBHx – [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated, located approximately 2,014 feet to the west-southwest.Off-site wetland features within one mile include the previous as well as:
 1. PUBHx – [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated, located approximately 2,700 feet to the south.
 2. PUBHx – [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated, located approximately 3,245 feet to the north-northeast.
 3. PEM1Ch – [P] Palustrine [EM] Emergent [1] Persistent [C] Seasonally Flooded [h] Diked/Impounded, located approximately 3,251 feet to the north-northwest.
 4. PUBHx – [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated, located approximately 3,697 feet to the northeast.
 5. PUBHx – [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated, located approximately 3,995 feet to the north.
 6. PFO1Ah – [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded [h] Diked/Impounded, located approximately 4,145 feet to the south.
 7. PUBHh – [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [h] Diked/Impounded, located approximately 4,145 feet to the south.
 8. PUBHx – [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated, located approximately 4,268 feet to the southwest.
 9. PSS1/3Bd – [P] Palustrine [SS] Scrub Shrub [1] Broad-Leaved Deciduous/ [3Bd] Unknown Class, located approximately 4,531 feet to the southwest.

- 10. PFO4Bd – [P] Palustrine [FO] Forested [4] Needle-Leaved Evergreen [B] Saturated [d] Partially Drained/Ditched, located approximately 4,813 feet to the west-northwest.
- 11. PFO1C – [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [C] Seasonally Flooded, located approximately 5,066 feet to the north-northeast.
- 12. PFO4Ad – [P] Palustrine [FO] Forested [4] Needle-Leaved Evergreen [A] Temporarily Flooded [d] Partially Drained/Ditched, located approximately 5,253 feet to the west-southwest.

- 4. **Are there any sensitive environmental areas on or within one-half mile of the site?** Yes, two streams as well as three wetlands areas.
- 5. **Are there any areas on or within one-half mile of the site owned or used by local tribes?** None were identified by the Indian Reservations Database.
- 6. **Are there any habitat, foraging area or refuge by rare, threatened, endangered, candidate and/or proposed species (plants or animals), or any otherwise protected species on or within one-half mile of the site?** Potentially. According to the EDR NEPASearch Report, the US Endangered Species database identified four (4) endangered species in Pitt County: the Red-cockaded woodpecker (bird), the Tar River spiny mussel (clam), the Atlantic sturgeon (fish), and the West Indian manatee (mammal). However, none have been specifically identified at the site. The U.S. Federal Lands database did not identify any Officially Designated Wilderness Area within one-half mile of the site. One Natural Heritage Element Occurrence was reported at the site (the historical occurrence of the Coppery Emerald dragonfly, which covers the entirety of Pitt County and is not threatened or endangered), and the site is within a NC state-managed area that extends over one mile in all directions.

Five (5) additional endangered species (the Dwarf wedgemussel clam, the Carolina Madtom fish, the Leatherback sea turtle, the Kemp's Ridley sea turtle, and the Rough-leaved Loosestrife plant), seven (7) threatened species (the Northern long-eared bat, the Eastern black rail bird, the Red knot bird, the Green sea turtle, the Neuse River waterdog, the Yellow lance clam, and the Sensitive joint-vetch plant), and one (1) proposed threatened/endangered species (the Atlantic pigtoe clam) were identified by the U.S. Fish and Wildlife Service (FWS) in Pitt County (<https://ecos.fws.gov/ipac/location/U373UOOAIZGYBP6HZ752VXTM7E/resources>). However, none have specifically been identified at or within one-half mile of the site.

- 7. **Are there any breeding, roosting or feeding areas by migratory bird species on or within one-half mile of the site?** None were identified by the Federal Lands Databases included in the EDR NEPASearch Report. Additionally, according to the National Audubon Society, Important Bird Areas (IBAs) web page (<http://netapp.audubon.org/iba/state/US-NC>), there are no breeding, roosting, or feeding areas by migratory bird species on or within one half mile of the site. In addition, no important bird areas or endangered/threatened bird species have been specifically identified within one-half mile of the site.
- 8. **Are there any ecologically, recreationally or commercially important species on or within one-half mile of the site?** None have been identified.

9. Are there any threatened and/or endangered species (plant or animal) on or within one-half mile of the site? Potentially. According to the EDR NEPA Search Report, the US Endangered Species database identified four (4) endangered species in Pitt County: the Red-cockaded woodpecker (bird), the Tar River spiny mussel (clam), the Atlantic sturgeon (fish), and the West Indian manatee (mammal). However, none have been specifically identified at the site. The U.S. Federal Lands database did not identify any Officially Designated Wilderness Area within one-half mile of the site. One Natural Heritage Element Occurrence was reported at the site, and the site is within a NC state-managed area that extends over one mile in all directions.

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10.

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

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. Areas that provide unique and often protected habitat for wildlife species. These areas typically used during critical life stages such as breeding, rearing or young and overwintering. Refer to Attachment 1 for examples of sensitive environments. 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 Receptors and Habitat
DSCA #DC740004

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

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

1C. Does groundwater from the site discharge to ecological receptor habitat? Potentially. Groundwater flows across the site to the north, toward a retention pond and unnamed drainage tributary leading to the Schoolhouse Branch. The retention pond is approximately 430 feet to the north of the site. Ten water samples have been collected from the retention pond historically (March 2008 through April 2014) and only one sample in April 2011 indicated PCE above laboratory practical quantitation limits. The PCE level detected was below the NC 2L groundwater standard and NC 2B surface water standard, and no other samples have had any chlorinated solvent detection. The retention pond is located approximately 0.25 miles south-southwest of the area where the unnamed drainage tributary drains into the Schoolhouse Branch. Based on a review of the United States Geological Survey (USGS) Topographic Map for Greenville Southwest, North Carolina, dated 2019, the Schoolhouse Branch drains to Tar River approximately 0.75 miles to the east-northeast of the drainage connecting to the Schoolhouse Branch.

Question 1. Could chemicals associated with the site reach ecological receptors through groundwater? Not likely. As documented in the *Risk Assessment – Bowen Cleaners DSCA Site ID# DC740004*, dated May 19, 2021, Mann-Kendall Analyses were completed to evaluate concentration trends for the site for monitoring wells with groundwater contaminant concentrations above the 2L Standards. Groundwater quality stability at the site has been empirically demonstrated (based on a review of the groundwater quality data generated to date), and groundwater contamination above the NC 2L groundwater standards is not expected to create a 2L exceedance at the point(s) of exposure (POE; the nearest downgradient property boundary of the first property encountered where groundwater impacts have not been observed) identified in the *Risk Assessment*.

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

2B. Can chemicals be leached from or be transported by erosion of surface soils on the site? Unlikely. The building housing the Bowen Cleaners site has existed since before the dry cleaner was in operation. The footprint of the Bowen Cleaners site and impacted soils are located largely under impervious surfaces.

Question 2. Could chemicals associated with the site reach ecological receptors through runoff or erosion? Not likely. Given the current condition of the site, erosion and runoff are not likely concerns since the surface soil impacts are generally located under impervious surfaces.

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

3B. Are potential ecological receptors on the site? No.

Question 3. Could chemicals associated with the site reach ecological receptors through direct contact? Not likely. Given the current condition of the site, direct contact with impacted soil or groundwater are not likely concerns since the site is currently developed with impervious and landscaped surfaces.

4A. Are chemicals on the site volatile? Yes.

4B. Could chemicals on the site be transported in air as dust or particulate matter? No. Surface soil impacts are largely under impervious or landscaped surfaces at the site.

Question 4. Could chemicals associated with the site reach ecological receptors through inhalation of volatilized chemicals or adhered chemicals to dust in ambient air or in subsurface burrows? Not likely. Surficial soil impacts are largely located beneath impervious or landscaped surfaces at the site. No burrowing animals have been observed or would be expected beneath the building or the paved asphalt at the site.

5A. Is Non-Aqueous Phase Liquid (NAPL) present at the site? No.

5B. Is NAPL migrating? Not applicable.

5C. Could NAPL discharge occur where ecological receptors are found? Not applicable.

Question 5. Could chemicals associated with site reach ecological receptors through migration of NAPL? No. To date, NAPL has not been identified at the site.

6A. Are chemicals present in surface and shallow subsurface soils or on the surface of the ground? Yes. Chemicals have been identified at 0 to 2 feet below ground surface (bgs) beneath impervious and landscaped surfaces at the site.

6B. Are chemicals found in soil on the site taken up by plants growing on the site? Potentially. Surface soil impacts are potentially under landscaped surfaces at the site.

6C. Do potential ecological receptors on or near the site feed on plants (e.g., grasses, shrubs, forbs, trees, etc.) found on the site? Potentially; however, none have been specifically identified.

6D. Do chemicals found on the site bioaccumulate? No.

Question 6. Could chemicals associated with the site reach ecological receptors through direct ingestion of soil, plants animals or contaminants? Not likely, as soil impacts have only been identified beneath impervious or landscaped surfaces.

If the answer to one or more of the above six questions is “Yes”, the DENR may require further assessment to determine whether the site poses an unacceptable risk to ecological receptors.

Bowen Cleaners, DSCA Site ID DC740004

2480 Stantonsburg Road

Greenville, NC 27834

Inquiry Number: 6629614.1s

August 20, 2021

EDR NEPAsSearch™ Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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

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EDR NEPA Search DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPA Search Map Report provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

TARGET PROPERTY ADDRESS

BOWEN CLEANERS, DSCA SITE ID DC740004
2480 STANTONSBURG ROAD
GREENVILLE, NC 27834

Inquiry #: 6629614.1s
Date: 8/20/21

TARGET PROPERTY COORDINATES

| | |
|--------------------------------|---------------------------|
| Latitude (North): | 35.605652 - 35° 36' 20.3" |
| Longitude (West): | 77.413681 - 77° 24' 49.3" |
| Universal Transverse Mercator: | Zone 18 |
| UTM X (Meters): | 281356.6 |
| UTM Y (Meters): | 3942693.8 |

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

| Section | Regulation |
|--|--------------------------------|
| Natural Areas Map | |
| • Federal Lands Data: | |
| - Officially designated wilderness areas | 47 CFR 1.1307(1) |
| - Officially designated wildlife preserves, sanctuaries and refuges | 47 CFR 1.1307(2) |
| - Wild and scenic rivers | 40 CFR 6.302(e) |
| - Fish and Wildlife | 40 CFR 6.302 |
| • Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available) | 47 CFR 1.1307(3); 40 CFR 6.302 |
| Historic Sites Map | |
| • National Register of Historic Places | 47 CFR 1.1307(4); 40 CFR 6.302 |
| • State Historic Places (where available) | |
| • Indian Reservations | |
| Flood Plain Map | |
| • National Flood Hazard Layer Data (where available) | 47 CFR 1.1307(6); 40 CFR 6.302 |
| • FEMA Q3 Flood Data (where available) | 47 CFR 1.1307(6); 40 CFR 6.302 |
| Wetlands Map | |
| • National Wetlands Inventory Data (where available) | 47 CFR 1.1307(7); 40 CFR 6.302 |
| • State Wetlands Data (where available) | 47 CFR 1.1307(7); 40 CFR 6.302 |
| FCC & FAA Map | |
| • FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient | 47 CFR 1.1307(8) |

Key Contacts and Government Records Searched

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 47 of this report.

| Applicable Regulation from 47 CFR/FCC Checklist | Database | Search Distance (Miles) | Within Search | Within 1/8 Mile |
|--|--------------------------------|-------------------------------|------------------|--------------------|
| <u>NATURAL AREAS MAP</u> | | | | |
| 1.1307a (1) Officially Designated Wilderness Area | US Federal Lands | 1.00 | NO | NO |
| | US Wilderness Preservation | 1.00 | NO | NO |
| 1.1307a (2) Officially Designated Wildlife Preserve | US Federal Lands | 1.00 | NO | NO |
| | NC Natural Areas | 1.00 | NO | NO |
| | NC Natural Heritage Areas | 1.00 | NO | NO |
| | NC Managed Areas | 1.00 | NO | NO |
| | US ACEC | 1.00 | NO | NO |
| | US Proclamation Boundaries | 1.00 | NO | NO |
| | US Scenic River | 1.00 | NO | NO |
| | Conservation Easements | 1.00 | NO | NO |
| | US NCED | 1.00 | NO | NO |
| | US Critical Water Habitat | 1.00 | NO | NO |
| | US Critical Land Habitat | 1.00 | NO | NO |
| 1.1307a (3) Threatened or Endangered Species or Critical Habitat | US Endangered Species | County | YES | N/A |
| 1.1307a (3) Threatened or Endangered Species or Critical Habitat | Natural Heritage Element Occur | 1.00 | YES | YES |
| <u>HISTORIC SITES MAP</u> | | | | |
| 1.1307a (4) Listed or eligible for National Register | NC NR, SL, DOE Boundaries | 1.00 | NO | NO |
| 1.1307a (4) Listed or eligible for National Register | NC Historic Preservation Sites | 1.00 | YES | NO |
| 1.1307a (4) Listed or eligible for National Register | NC Local District Boundaries | 1.00 | NO | NO |
| 1.1307a (4) Listed or eligible for National Register | Potomac Heritage National Scen | 1.00 | NO | NO |
| 1.1307a (4) Listed or eligible for National Register | Natchez Trace National Scenic | 1.00 | NO | NO |
| | Indian Reservations | 1.00 | NO | NO |
| 1.1307a (4) Listed or eligible for National Register | US Trails | 1.00 | NO | NO |
| 1.1307a (4) Listed or eligible for National Register | National Register of Hist. Pla | 1.00 | YES | NO |
| <u>FLOOD PLAIN MAP</u> | | | | |
| 1.1307 (6) Located in a Flood Plain | Special Flood Hazard Area (1%) | 1.00 | YES | NO |
| 1.1307 (6) Located in a Flood Plain | 0.2% Annual Chance Flood Hazar | 1.00 | YES | NO |
| <u>WETLANDS MAP</u> | | | | |
| 1.1307 (7) Change in surface features (wetland fill) | NWI | 1.00 | YES | NO |
| 1.1307 (7) Change in surface features (wetland fill) | STATE | 1.00 | NO | NO |
| | NC COASTAL ZONE | 20.00 | YES | NO |
| <u>FCC & FAA SITES MAP</u> | | | | |
| | Cellular | 1.00 | NO | NO |
| | Antenna Structure Registration | 1.00 | YES | NO |
| | AM Antenna | 1.00 | YES | NO |
| | FM Antenna | 1.00 | NO | NO |
| | FAA DOF | 1.00 | YES | NO |
| | Airports | 1.00 | YES | --- |
| | Power Lines | 1.00 | YES | --- |

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for PITT County

Group:Birds

Common Name: Red-cockaded woodpecker
Status: Endangered

Scientific Name: *Picoides borealis*

Group:Clams

Common Name: Tar River spiny mussel
Status: Endangered

Scientific Name: *Elliptio steinstansana*

Group:Fishes

Common Name: Atlantic sturgeon
Status: Endangered

Scientific Name: *Acipenser oxyrinchus oxyrinchus*

Group:Mammals

Common Name: West Indian Manatee
Status: Endangered

Scientific Name: *Trichechus manatus*

Federal Endangered Species from the U.S. Fish and Wildlife for NC State

Group:Amphibians

Common Name: Carolina crawfish frog
Status: Species of Concern

Scientific Name: *Rana areolata capito*

Common Name: Cheoah Bald salamander
Status: Under Review

Scientific Name: *Plethodon cheoah*

Common Name: Seepage salamander
Status: Under Review

Scientific Name: *Desmognathus aeneus*

Common Name: Hellbender
Status: Under Review

Scientific Name: *Cryptobranchus alleganiensis*

Common Name: Chamberlain's Dwarf salamander
Status: Under Review

Scientific Name: *Eurycea chamberlaini*

Common Name: Eastern Hellbender
Status: Species of Concern

Scientific Name: *Cryptobranchus alleganiensis alleganiensis*

Common Name: South Mountain gray-cheeked salamander
Status: Under Review

Scientific Name: *Plethodon meridianus*

Common Name: Green salamander
Status: Under Review

Scientific Name: *Aneides aeneus*

Common Name: Neuse River waterdog
Status: Under Review

Scientific Name: *Necturus lewisi*

Group:Arachnids

Common Name: Lost Nantahala Cave spider
Status: Species of Concern

Scientific Name: *Nesticus cooperi*

Group:Birds

Common Name: Black-capped petrel

Scientific Name: *Pterodroma hasitata*

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Status: Under Review

Common Name: Migrant loggerhead shrike
Status: Species of Concern

Scientific Name: *Lanius ludovicianus migrans*

Common Name: Black Rail
Status: Under Review

Scientific Name: *Laterallus jamaicensis*

Common Name: Golden-winged warbler
Status: Under Review

Scientific Name: *Vermivora chrysoptera*

Common Name: Red knot
Status: Threatened

Scientific Name: *Calidris canutus rufa*

Common Name: Eastern painted bunting
Status: Species of Concern

Scientific Name: *Passerina ciris ciris*

Group:Clams

Common Name: Yellow lampmussel
Status: Species of Concern

Scientific Name: *Lampsilis cariosa*

Common Name: Neuse slabshell
Status: Species of Concern

Scientific Name: *Elliptio judithae*

Common Name: Savannah lilliput
Status: Under Review

Scientific Name: *Toxolasma pullus*

Common Name: Yellow lance
Status: Under Review

Scientific Name: *Elliptio lanceolata*

Common Name: Green floater
Status: Under Review

Scientific Name: *Lasmigona subviridis*

Common Name: Brook floater
Status: Under Review

Scientific Name: *Alasmidonta varicosa*

Common Name: Tennessee pigtoe
Status: Under Review

Scientific Name: *Pleuroaia barnesiana*

Common Name: Atlantic pigtoe
Status: Under Review

Scientific Name: *Fusconaia masoni*

Common Name: Alabama rainbow
Status: Under Review

Scientific Name: *Villosa nebulosa*

Common Name: Waccamaw lance
Status: Species of Concern

Scientific Name: *Elliptio* sp.

Common Name: Longsolid
Status: Under Review

Scientific Name: *Fusconaia subrotunda*

Common Name: Cumberland moccasinshell
Status: Under Review

Scientific Name: *Medionidus conradicus*

Group:Conifers and Cycads

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

| | |
|---|--|
| Common Name: Carolina hemlock Status: Under Review | Scientific Name: <i>Tsuga caroliniana</i> |
| Group: Crustaceans | |
| Common Name: Grandfather Mountain crayfish Status: Under Review | Scientific Name: <i>Cambarus eeseehensis</i> |
| Common Name: Chauga crayfish Status: Under Review | Scientific Name: <i>Cambarus chaugaensis</i> |
| Common Name: Little Tennessee crayfish Status: Under Review | Scientific Name: <i>Cambarus georgiae</i> |
| Common Name: [Unnamed] ostracod Status: Species of Concern | Scientific Name: <i>Waltonocythere acuta</i> |
| Common Name: Croatan crayfish Status: Species of Concern | Scientific Name: <i>Procambarus plumimanus</i> |
| Common Name: Carolina skistodiaptomus Status: Species of Concern | Scientific Name: <i>Skistodiaptomus carolinensis</i> |
| Common Name: Hiwassee crayfish Status: Species of Concern | Scientific Name: <i>Cambarus hiwasseeensis</i> |
| Common Name: Bennets Mill Cave water slater Status: Species of Concern | Scientific Name: <i>Caecidotea carolinensis</i> |
| Common Name: Tidewater amphipod Status: Under Review | Scientific Name: <i>Stygobromus indentatus</i> |
| Common Name: Carolina well diacyclops Status: Species of Concern | Scientific Name: <i>Diacyclops jeanneli putei</i> |
| Common Name: Pee Dee lotic crayfish Status: Species of Concern | Scientific Name: <i>Procambarus lepidodactylus</i> |
| Common Name: Yancey sideswimmer Status: Species of Concern | Scientific Name: <i>Stygobromus carolinensis</i> |
| Common Name: New River riffle crayfish Status: Status Undefined | Scientific Name: <i>Cambarus chasmodactylus</i> |
| Common Name: Oconee crayfish ostracod Status: Species of Concern | Scientific Name: <i>Cymocythere clavata</i> |
| Common Name: Grayson crayfish ostracod Status: Species of Concern | Scientific Name: <i>Ascetocythere cosmata</i> |
| Common Name: Albermarle crayfish Status: Species of Concern | Scientific Name: <i>Procambarus medialis</i> |
| Common Name: [Unnamed] ostracod Status: Species of Concern | Scientific Name: <i>Dactylocythere isabellae</i> |

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

| | |
|---|--|
| Common Name: French Broad crayfish Status: Species of Concern | Scientific Name: <i>Cambarus reburus</i> |
| Common Name: Whitewater crayfish ostracod Status: Species of Concern | Scientific Name: <i>Dactylocythere prinsi</i> |
| Common Name: Parrish crayfish Status: Under Review | Scientific Name: <i>Cambarus parrishi</i> |
| Common Name: Chowanoke crayfish Status: Under Review | Scientific Name: <i>Orconectes virginianus</i> |

Group: Ferns and Allies

| | |
|--|---|
| Common Name: Sp. nov. ined. (Appalachian) oak fern Status: Species of Concern | Scientific Name: <i>Gymnocarpium</i> sp. |
| Common Name: Winter quillwort Status: Under Review | Scientific Name: <i>Isoetes hyemalis</i> |
| Common Name: Appalachian Fissidens moss Status: Under Review | Scientific Name: <i>Fissidens appalachensis</i> |
| Common Name: Hall's Pocket moss Status: Under Review | Scientific Name: <i>Fissidens hallii</i> |
| Common Name: Dwarf polypody Status: Species of Concern | Scientific Name: <i>Grammitis nimbata</i> |
| Common Name: Thin-wall quillwort Status: Under Review | Scientific Name: <i>Isoetes microvela</i> |
| Common Name: Hornwort Status: Under Review | Scientific Name: <i>Megaceros aenigmaticus</i> |
| Common Name: [Unnamed] spleenwort Status: Species of Concern | Scientific Name: <i>Asplenium heteroresiliens</i> |

Group: Fishes

| | |
|---|---|
| Common Name: Longhead darter Status: Under Review | Scientific Name: <i>Percina macrocephala</i> |
| Common Name: Kanawha minnow Status: Species of Concern | Scientific Name: <i>Phenacobius teretulus</i> |
| Common Name: Sickie darter Status: Under Review | Scientific Name: <i>Percina williamsi</i> |
| Common Name: Carolina madtom Status: Under Review | Scientific Name: <i>Noturus furiosus</i> |
| Common Name: Spotted madtom Status: Species of Concern | Scientific Name: <i>Noturus insignis</i> ssp. |
| Common Name: Robust redhorse | Scientific Name: <i>Moxostoma robustum</i> |

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Status: Under Review

Group: Flowering Plants

Common Name: Carolina goldenrod
Status: Species of Concern

Scientific Name: *Solidago pulchra*

Common Name: Purpuledisk honeycombhead
Status: Species of Concern

Scientific Name: *Balduina atropurpurea*

Common Name: [Unnamed] sedge
Status: Species of Concern

Scientific Name: *Carex schweinitzii*

Common Name: Pineland plantain
Status: Species of Concern

Scientific Name: *Plantago sparsiflora*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Plagiochila echinata*

Common Name: Sharp's leafy liverwort
Status: Under Review

Scientific Name: *Plagiochila sharpii*

Common Name: Piratebush
Status: Species of Concern

Scientific Name: *Buckleya distichophylla*

Common Name: [Unnamed] liverwort
Status: Species of Concern

Scientific Name: *Cylindrocolea andersonii*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Lophocolea appalachiana*

Common Name: Carolina mniium
Status: Species of Concern

Scientific Name: *Plagiomnium carolinianum*

Common Name: Bog spicebush
Status: Under Review

Scientific Name: *Lindera subcoriacea*

Common Name: Mt. Leconte moss
Status: Species of Concern

Scientific Name: *Leptothymenium sharpii*

Common Name: Carolina birds-in-a-nest
Status: Under Review

Scientific Name: *Macbridea caroliniana*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Cephaloziella obtusilobula*

Common Name: Woolly berry
Status: Species of Concern

Scientific Name: *Vaccinium hirsutum*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Bazzania nudicaulis*

Common Name: Smoky Mountains manna grass
Status: Species of Concern

Scientific Name: *Glyceria nubigena*

Common Name: [Unnamed] liverwort

Scientific Name: *Sphenolobopsis pearsoni*

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Status: Species of Concern

Common Name: Cain's reedgrass
Status: Species of Concern

Scientific Name: Calamagrostis cainii

Common Name: Mountain bittercress
Status: Species of Concern

Scientific Name: Cardamine clematitis

Common Name: Georgia lead-plant
Status: Under Review

Scientific Name: Amorpha georgiana georgiana

Common Name: Ammon's tortula
Status: Species of Concern

Scientific Name: Tortula ammoniana

Common Name: Blue Ridge catchfly
Status: Species of Concern

Scientific Name: Silene ovata

Common Name: [Unnamed] venus' fly-trap
Status: Species of Concern

Scientific Name: Dionaea muscipula

Common Name: Bent avens
Status: Species of Concern

Scientific Name: Geum geniculatum

Common Name: Godfrey's stitchwort
Status: Under Review

Scientific Name: Minuartia godfreyi

Common Name: Spring-flowering goldenrod
Status: Species of Concern

Scientific Name: Solidago verna

Common Name: Well's pixie-moss
Status: Species of Concern

Scientific Name: Pyxidantha barbulata brevifolia

Common Name: Gray's saxifrage
Status: Species of Concern

Scientific Name: Saxifraga caroliniana

Common Name: Savannah campylopus
Status: Species of Concern

Scientific Name: Campylopus carolinae

Common Name: No common name
Status: Species of Concern

Scientific Name: Oxypolis ternata

Common Name: [Unnamed] sedge
Status: Species of Concern

Scientific Name: Carex roanensis

Common Name: Darlington's spurge
Status: Species of Concern

Scientific Name: Euphorbia purpurea

Common Name: Thorne's beaked-rush
Status: Under Review

Scientific Name: Rhynchospora thornei

Common Name: No common name
Status: Species of Concern

Scientific Name: Plagiochila columbiana

Common Name: Keever's bristle-moss
Status: Species of Concern

Scientific Name: Orthotrichum keeverae

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

| | |
|--|--|
| Common Name: Serpentine aster Status: Species of Concern | Scientific Name: Symphyotrichum depauperatum |
| Common Name: Piedmont ragwort Status: Species of Concern | Scientific Name: Packera millefolia |
| Common Name: No common name Status: Species of Concern | Scientific Name: Lejeunea blomquistii |
| Common Name: French Broad heartleaf Status: Species of Concern | Scientific Name: Hexastylis rhombiformis |
| Common Name: Oconee-bells Status: Species of Concern | Scientific Name: Shortia galacifolia |
| Common Name: No common name Status: Species of Concern | Scientific Name: Paxistima canbyi |
| Common Name: Bigleaf scurf-pea Status: Species of Concern | Scientific Name: Orbexilum macrophyllum |
| Common Name: Carolina lead-plant Status: Species of Concern | Scientific Name: Amorpha georgiana confusa |
| Common Name: [Unnamed] pondweed Status: Species of Concern | Scientific Name: Potamogeton confervoides |
| Common Name: No common name Status: Species of Concern | Scientific Name: Porella appalachiana |
| Common Name: Large-flowered Barbara's buttons Status: Under Review | Scientific Name: Marshallia grandiflora |
| Common Name: White-wicky Status: Species of Concern | Scientific Name: Kalmia cuneata |
| Common Name: Gray's lily Status: Species of Concern | Scientific Name: Lilium grayi |
| Common Name: [Unnamed] beaked-rush Status: Species of Concern | Scientific Name: Rhynchospora decurrens |
| Common Name: Ravine sedge Status: Under Review | Scientific Name: Carex impressinervia |
| Common Name: Pine barrens boneset Status: Species of Concern | Scientific Name: Eupatorium resinosum |
| Common Name: No common name Status: Species of Concern | Scientific Name: Cheilolejeunea evansii |
| Common Name: No common name Status: Species of Concern | Scientific Name: Trillium pusillum pusillum |
| Common Name: Fraser's yellow loosestrife Status: Species of Concern | Scientific Name: Lysimachia fraseri |

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

| | |
|---|---|
| Common Name: Bog bluegrass Status: Species of Concern | Scientific Name: <i>Poa paludigena</i> |
| Common Name: Sp. nov. ined. blue curls Status: Species of Concern | Scientific Name: <i>Trichostema</i> sp. |
| Common Name: Wireleaf dropseed Status: Under Review | Scientific Name: <i>Sporobolus teretifolius</i> |
| Common Name: Wavyleaf wild-quinine Status: Species of Concern | Scientific Name: <i>Parthenium integrifolium</i> |
| Common Name: Sandhills milk-vetch Status: Species of Concern | Scientific Name: <i>Astragalus michauxii</i> |
| Common Name: Pickering's morning-glory Status: Species of Concern | Scientific Name: <i>Stylisma pickeringii</i> |
| Common Name: Pygmypipes Status: Species of Concern | Scientific Name: <i>Monotropis odorata</i> |
| Common Name: Awned meadowbeauty Status: Species of Concern | Scientific Name: <i>Rhexia aristosa</i> |
| Common Name: Gorge moss Status: Species of Concern | Scientific Name: <i>Bryocrumia vivicolor</i> |
| Common Name: [Unnamed] liverwort Status: Species of Concern | Scientific Name: <i>Plagiochila virginica</i> var. <i>caroliniana</i> |
| Common Name: No common name Status: Species of Concern | Scientific Name: <i>Myriophyllum laxum</i> |
| Common Name: Piedmont meadow-rue Status: Species of Concern | Scientific Name: <i>Thalictrum macrostylum</i> |
| Common Name: Heller's bird's-foot trefoil Status: Species of Concern | Scientific Name: <i>Lotus unifoliolatus</i> var. <i>helleri</i> |
| Common Name: Swamp justiceweed Status: Under Review | Scientific Name: <i>Eupatorium paludicola</i> |
| Common Name: Long Beach seedbox Status: Under Review | Scientific Name: <i>Ludwigia brevipes</i> |
| Common Name: Raven's seedbox Status: Under Review | Scientific Name: <i>Ludwigia ravenii</i> |
| Common Name: Yellow Pond lily Status: Under Review | Scientific Name: <i>Nuphar lutea</i> ssp. <i>sagittifolia</i> |
| Common Name: Carolina bishopweed Status: Under Review | Scientific Name: <i>Ptilimnium ahlesii</i> |
| Common Name: Mountain Purple pitcherplant Status: Under Review | Scientific Name: <i>Sarracenia purpurea</i> var. <i>montana</i> |

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

| | |
|--|--|
| Common Name: Butternut Status: Species of Concern | Scientific Name: <i>Juglans cinerea</i> |
| Common Name: No common name Status: Species of Concern | Scientific Name: <i>Hexastylis contracta</i> |
| Common Name: Anderson's brachymenium Status: Species of Concern | Scientific Name: <i>Brachymenium andersonii</i> |
| Common Name: No common name Status: Species of Concern | Scientific Name: <i>Eurhynchium pringlei</i> |
| Common Name: [Unnamed] liverwort Status: Species of Concern | Scientific Name: <i>Plagiochila sullivantii</i> |
| Common Name: No common name Status: Species of Concern | Scientific Name: <i>Rugelia nudicaulis</i> |
| Common Name: No common name Status: Species of Concern | Scientific Name: <i>Plagiochila virginica euryphylla</i> |
| Common Name: Alexander's rock-aster Status: Species of Concern | Scientific Name: <i>Eurybia avita</i> |
| Common Name: Smooth bog-asphodel Status: Species of Concern | Scientific Name: <i>Tofieldia glabra</i> |
| Common Name: Hirst Brothers' Panic grass Status: Candidate | Scientific Name: <i>Dichantherium (=Panicum) hirstii</i> |
| Common Name: Highlands moss Status: Species of Concern | Scientific Name: <i>Schlotheimia lancifolia</i> |
| Common Name: Gorge leafy liverwort Status: Under Review | Scientific Name: <i>Plagiochila caduciloba</i> |
| Common Name: Tall larkspur Status: Species of Concern | Scientific Name: <i>Delphinium exaltatum</i> |
| Common Name: No common name Status: Species of Concern | Scientific Name: <i>Lotus purshianus helleri</i> |
| Common Name: Short-styled oconee-bells Status: Species of Concern | Scientific Name: <i>Shortia galacifolia brevistyla</i> |
| Common Name: Manhart's sedge Status: Species of Concern | Scientific Name: <i>Carex manhartii</i> |
| Common Name: Riverbank vervain Status: Species of Concern | Scientific Name: <i>Verbena riparia</i> |
| Group: Insects | |
| Common Name: [Unnamed] looper moth Status: Species of Concern | Scientific Name: <i>Euchlaena milnei</i> |

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

| | |
|---|---|
| Common Name: Annoited sawfly noctuid moth Status: Species of Concern | Scientific Name: <i>Pyreferra ceromatica</i> |
| Common Name: Buchholz' dart moth Status: Species of Concern | Scientific Name: <i>Agrotis buchholzi</i> |
| Common Name: Smokies snowfly Status: Under Review | Scientific Name: <i>Allocapnia fumosa</i> |
| Common Name: [Unnamed] caddisfly Status: Species of Concern | Scientific Name: <i>Hydroptila englishi</i> |
| Common Name: Appalachian snaketail Status: Under Review | Scientific Name: <i>Ophiogomphus incurvatus</i> |
| Common Name: Smokies needlfly Status: Under Review | Scientific Name: <i>Megaleuctra williamsae</i> |
| Common Name: Monarch butterfly Status: Under Review | Scientific Name: <i>Danaus plexippus plexippus</i> |
| Common Name: Black lordithon rove beetle Status: Species of Concern | Scientific Name: <i>Lordithon niger</i> |
| Common Name: [Unnamed] caddisfly Status: Species of Concern | Scientific Name: <i>Agapetus jocassee</i> |
| Common Name: Tawny crescent Status: Species of Concern | Scientific Name: <i>Phyciodes batesii</i> |
| Common Name: Edmund's snaketail Status: Under Review | Scientific Name: <i>Ophiogomphus edmundo</i> |
| Common Name: Barrens Dagger Moth Status: Species of Concern | Scientific Name: <i>Acronicta albarufa</i> |
| Common Name: [Unnamed] noctuid moth Status: Species of Concern | Scientific Name: <i>Schinia indiana</i> |
| Common Name: [Unnamed] ghost moth Status: Species of Concern | Scientific Name: <i>Hepialus sciophanes</i> |
| Common Name: [Unnamed] caddisfly Status: Species of Concern | Scientific Name: <i>Helicopsyche paralimnella</i> |
| Common Name: Septima's clubtail Status: Under Review | Scientific Name: <i>Gomphus septima</i> |
| Common Name: Eastern beard grass Skipper Status: Species of Concern | Scientific Name: <i>Atrytone arogos arogos</i> |
| Common Name: Sandhills clubtail Status: Species of Concern | Scientific Name: <i>Gomphus parvidens carolinus</i> |
| Common Name: Mary Alice's smallheaded fly Status: Species of Concern | Scientific Name: <i>Eulonchus marialiciae</i> |

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

| | |
|---|--|
| Common Name: Rare skipper Status: Under Review | Scientific Name: Problema bulenta |
| Common Name: Bronze clubtail Status: Species of Concern | Scientific Name: Stylurus townesi |
| Common Name: Regal fritillary Status: Under Review | Scientific Name: Speyeria idalia |
| Common Name: Diana fritillary Status: Species of Concern | Scientific Name: Speyeria diana |
| Common Name: American sandburrowing mayfly Status: Species of Concern | Scientific Name: Dolania americana |
| Common Name: Fraser fir geometrid moth Status: Species of Concern | Scientific Name: Semiothisa fraserata |
| Common Name: Midget snaketail Status: Species of Concern | Scientific Name: Ophiogomphus howei |
| Common Name: Lenat's ceracleon caddisfly Status: Species of Concern | Scientific Name: Ceraclea sp. |
| Common Name: Gammon's stenelmis riffle beetle Status: Species of Concern | Scientific Name: Stenelmis gammoni |
| Common Name: Grizzled skipper Status: Species of Concern | Scientific Name: Pyrgus centaureae |
| Common Name: Carter's noctuid moth Status: Species of Concern | Scientific Name: Spartiniphaga carterae |
| Common Name: Venus flytrap noctuid Status: Species of Concern | Scientific Name: Hemipachnolia subporphyria subporphyria |
| Common Name: Margarita River skimmer Status: Under Review | Scientific Name: Macromia margarita |
| Common Name: Variegated clubtail Status: Species of Concern | Scientific Name: Progomphus bellei |
| Group:Lichens | |
| Common Name: Bluff Mountain Reindeer Lichen Status: Species of Concern | Scientific Name: Cladonia psoromica |
| Group:Mammals | |
| Common Name: Southern Appalachian eastern woodrat Status: Species of Concern | Scientific Name: Neotoma floridana haematorea |
| Common Name: Red wolf Status: Endangered | Scientific Name: Canis rufus |
| Common Name: Carolina northern flying squirrel | Scientific Name: Glaucomys sabrinus coloratus |

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Status: Endangered

Common Name: Southeastern myotis
Status: Species of Concern

Scientific Name: *Myotis austroriparius*

Common Name: Indiana bat
Status: Endangered

Scientific Name: *Myotis sodalis*

Common Name: Southern water shrew
Status: Species of Concern

Scientific Name: *Sorex palustris punctulatus*

Common Name: Southern rock vole
Status: Species of Concern

Scientific Name: *Microtus chrotorrhinus carolinensis*

Group: Reptiles

Common Name: American alligator
Status: Similarity of Appearance (Threatened)

Scientific Name: *Alligator mississippiensis*

Common Name: Northern diamondback terrapin
Status: Species of Concern

Scientific Name: *Malaclemys terrapin terrapin*

Common Name: Eastern diamondback rattlesnake
Status: Under Review

Scientific Name: *Crotalus adamanteus*

Common Name: Southern hognose snake
Status: Under Review

Scientific Name: *Heterodon simus*

Common Name: Northern Red-bellied cooter
Status: Under Review

Scientific Name: *Pseudemys rubriventris*

Common Name: Mimic glass lizard
Status: Species of Concern

Scientific Name: *Ophisaurus mimicus*

Common Name: Northern pine snake
Status: Species of Concern

Scientific Name: *Pituophis melanoleucus melanoleucus*

Group: Snails

Common Name: Knotty elimia
Status: Species of Concern

Scientific Name: *Elimia interrupta*

Common Name: Magnificent ramshorn
Status: Candidate

Scientific Name: *Planorbella magnifica*

Common Name: Panhandle pebblesnail
Status: Species of Concern

Scientific Name: *Somatogyrus virginicus*

Common Name: Sculpted supercoil
Status: Species of Concern

Scientific Name: *Paravitrea ternaria*

Common Name: Fragile supercoil
Status: Species of Concern

Scientific Name: *Glyphyalinia clingmani*

Common Name: Smooth rocksnail
Status: Status Undefined

Scientific Name: *Leptoxis virgata*

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

| | |
|-----------------------------------|---------------------------------------|
| Common Name: Roan supercoil | Scientific Name: Paravitrea varidens |
| Status: Species of Concern | |
| | |
| Common Name: Cape Fear threetooth | Scientific Name: Triodopsis soelneri |
| Status: Species of Concern | |
| | |
| Common Name: Clingman covert | Scientific Name: Mesodon clingmanicus |
| Status: Species of Concern | |

Map ID
Direction
Distance
Distance (ft.)

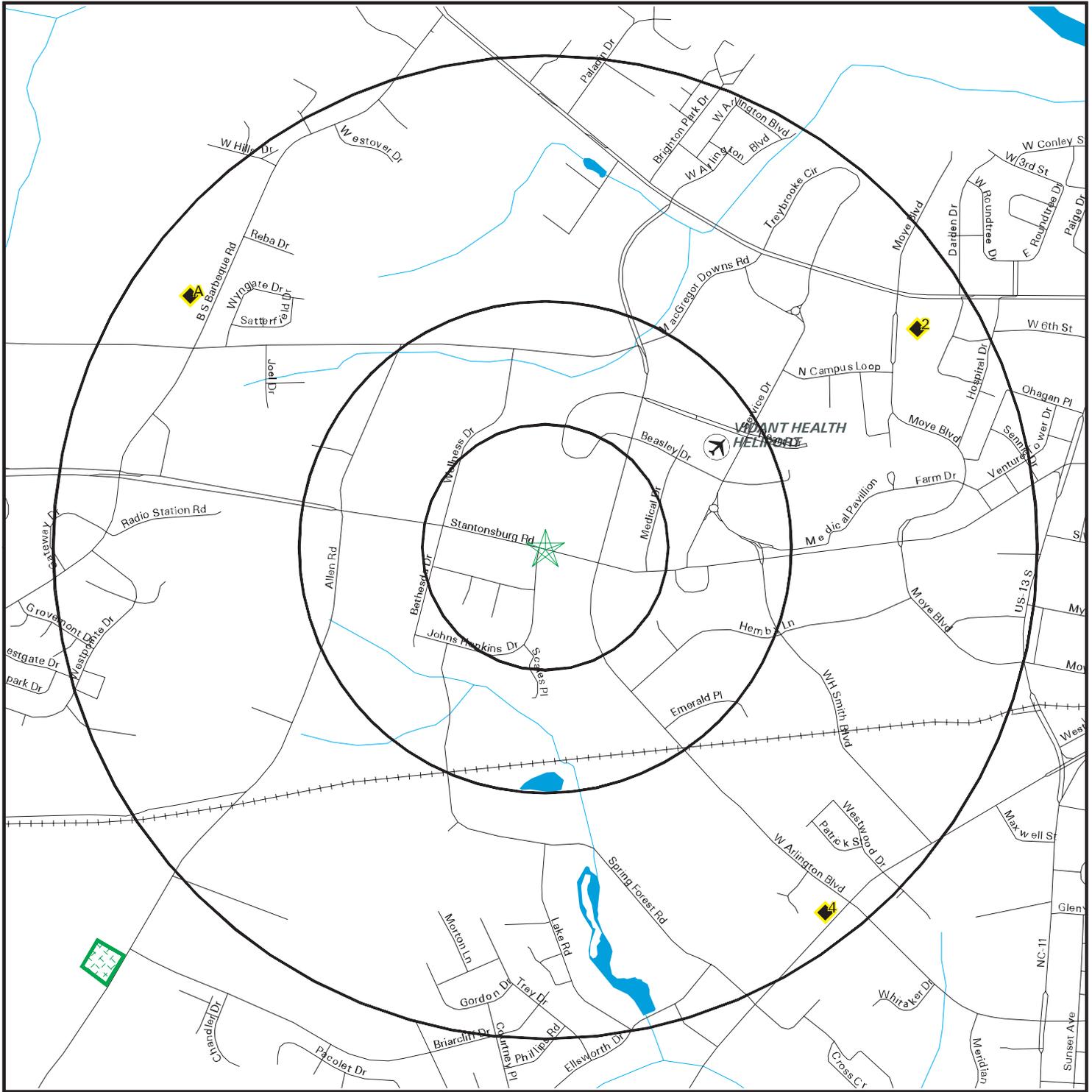
EDR ID
Database

1
 North
 0-1/8 mi
 0

NCESP0000220640
 Natural Heritage Element Occurrence

Element Occurrence ID: 33766
 Taxonomic Group: Animal
 EO Status: Historical
 EO Rank: EO is old, if surveyed recently, surveys failed to find it but there is no evidence it is destroyed. Rank Uncertain.
 Note: To determine the listed species, contact the agency with your Element Occurrence ID.

Historic Sites Map



- ★ Target Property
- ◇ Historic Sites
- ▭ Federal Historic Areas
- ▭ State Historic Areas
- ▭ US Indian Reservations
- ▭ Scenic Trail
- Streets
- County Boundary
- Waterways
- Water
- ✈ Airports



SITE NAME: Bowen Cleaners, DSCA Site ID DC740004
 ADDRESS: 2480 Stantonsburg Road
 Greenville NC 27834
 LAT/LONG: 35.605652 / 77.413682

CLIENT: AECOM
 CONTACT: Emme Mayle
 INQUIRY #: 6629614.1s
 DATE: August 20, 2021

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

| | | |
|--|--|--|
| A1 NW 1/2-1 mi 4596 | Tank Smith House W side SR 1204, 0.1 mi N of jct w/ SR 1202 Greenville v* Falkland , NC | NCX10000000882 NC Historic Preservation Sites |
|--|--|--|

| | |
|----------------------------|--------------|
| Site ID: | PT0366 |
| Description: | Not Reported |
| Year on National Register: | Not Reported |
| Year Listed: | Not Reported |
| Year on Study List: | Not Reported |
| Year Determined Eligible: | Not Reported |
| Year of Survey: | 1987-1988 |
| County: | Pitt |
| Local Status: | None |
| Year Designated Locally: | Not Reported |
| Historic District Status: | None |
| Notes: | Not Reported |
| Photo: | Not Reported |
| URL: | Not Reported |
| Alt URL: | Not Reported |

| | | |
|--|---|--|
| 2 ENE 1/2-1 mi 4630 | Greenwreath W of Greenville Greenville, NC | USHBX0000045003 National Register of Hist. Places |
|--|---|--|

| | |
|-------------------------|---|
| Ref #: | 82003498 |
| Multiple Property Name: | Not Reported |
| County: | Pitt |
| Restricted: | Not Reported |
| Certification: | LISTED IN THE NATIONAL REGISTER |
| Certification Date: | 19820429 |
| Type: | Building |
| # of Contrib Bldgs: | 4 |
| # of Contrib Sites: | 0 |
| # of Contrib Objects: | 0 |
| # of Contrib Structs: | 0 |
| Documents: | https://npgallery.nps.gov/AssetDetail/NRIS/82003498 |

| | | |
|--|--|--|
| A3 NW 1/2-1 mi 4739 | Allen School W side SR 1204, 0.1 mi N of jct w/ SR 1202 Greenville v* Falkland , NC | NCX10000000881 NC Historic Preservation Sites |
|--|--|--|

| | |
|----------------------------|--------------|
| Site ID: | PT0367 |
| Description: | Not Reported |
| Year on National Register: | Not Reported |

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

| | |
|---------------------------|--------------|
| Year Listed: | Not Reported |
| Year on Study List: | Not Reported |
| Year Determined Eligible: | Not Reported |
| Year of Survey: | 1987-1988 |
| County: | Pitt |
| Local Status: | None |
| Year Designated Locally: | Not Reported |
| Historic District Status: | None |
| Notes: | Not Reported |
| Photo: | Not Reported |
| URL: | Not Reported |
| Alt URL: | Not Reported |

4
SE
1/2-1 mi
4942

Godfrey A. Evans House
N side US 264, 0.6 mi SW of jct w/ NC 11 Greenville vic*
Greenville , NC

NCX100000013838
NC Historic Preservation Sites

| | |
|----------------------------|--------------|
| Site ID: | PT0378 |
| Description: | Not Reported |
| Year on National Register: | Not Reported |
| Year Listed: | Not Reported |
| Year on Study List: | Not Reported |
| Year Determined Eligible: | Not Reported |
| Year of Survey: | 1987-1988 |
| County: | Pitt |
| Local Status: | None |
| Year Designated Locally: | Not Reported |
| Historic District Status: | None |
| Notes: | Not Reported |
| Photo: | Not Reported |
| URL: | Not Reported |
| Alt URL: | Not Reported |

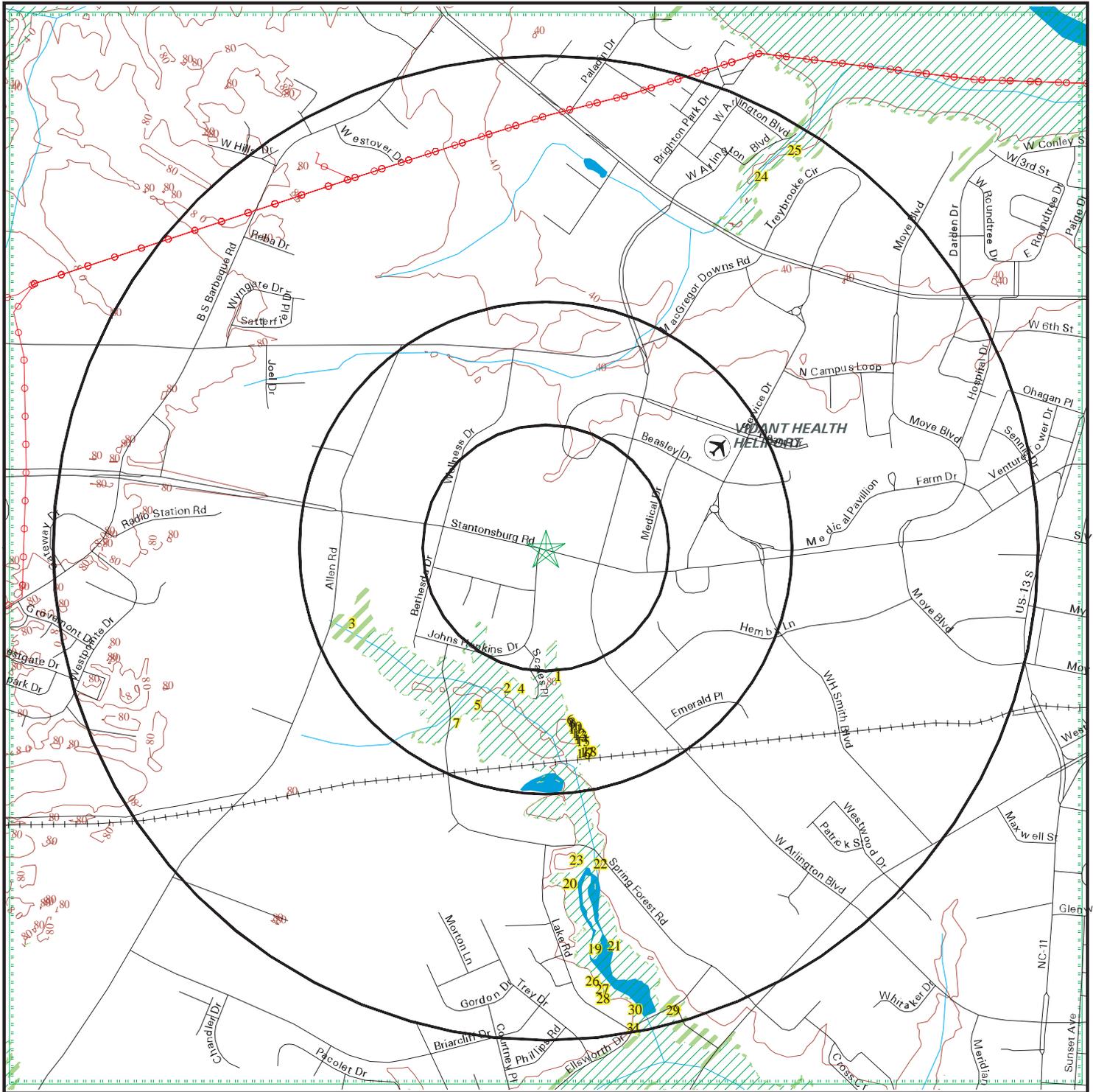
UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

No unmapped sites were found in EDR's search of available government records.

Flood Plain Map



-  Major Roads
-  Contour Lines
-  Waterways
-  County Boundary
-  Airports
-  Power Lines
-  Pipe Lines
-  Fault Lines
-  Water
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  Electronic FEMA data available
-  Electronic FEMA data not available



SITE NAME: Bowen Cleaners, DSCA Site ID DC740004
 ADDRESS: 2480 Stantonsburg Road
 Greenville NC 27834
 LAT/LONG: 35.605652 / 77.413682

CLIENT: AECOM
 CONTACT: Emme Mayle
 INQUIRY #: 6629614.1s
 DATE: August 20, 2021

FLOOD PLAIN MAP FINDINGS

Source: FEMA FIRM Flood Data, FEMA Q3 Flood Data

Flood Panel Number **FEMA Source Type**

Flood Plain panel at target property:
 3720467700K (FEMA FIRM Flood data)

Additional Flood Plain panel(s) in search area:
 3720466800K (FEMA FIRM Flood data)
 3720467800K (FEMA FIRM Flood data)
 3720466700K (FEMA FIRM Flood data)

| Map ID Direction Distance Distance (ft.) | Description | Database |
|---|--|------------|
| 1 South 1/8-1/4 mi 1000 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 2 South 1/8-1/4 mi 1006 | Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported | FLOODPLAIN |
| 3 SW 1/8-1/4 mi 1033 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 4 SSW 1/8-1/4 mi 1253 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 5 SSW 1/4-1/2 mi 1543 | Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: FLOODWAY | FLOODPLAIN |

FLOOD PLAIN MAP FINDINGS

| Map ID Direction Distance Distance (ft.) | Description | Database |
|---|--|------------|
| 6 South 1/4-1/2 mi 1835 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 7 SSW 1/4-1/2 mi 1849 | Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported | FLOODPLAIN |
| 8 South 1/4-1/2 mi 1855 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 9 South 1/4-1/2 mi 1883 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 10 South 1/4-1/2 mi 1905 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 11 South 1/4-1/2 mi 1939 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 12 South 1/4-1/2 mi 1985 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 13 South 1/4-1/2 mi 2005 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |

FLOOD PLAIN MAP FINDINGS

| Map ID Direction Distance Distance (ft.) | Description | Database |
|---|--|------------|
| 14 South 1/4-1/2 mi 2056 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 15 South 1/4-1/2 mi 2077 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 16 South 1/4-1/2 mi 2200 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 17 SSE 1/4-1/2 mi 2203 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 18 SSE 1/4-1/2 mi 2205 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 19 South 1/4-1/2 mi 2325 | Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: FLOODWAY | FLOODPLAIN |
| 20 South 1/4-1/2 mi 2330 | Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported | FLOODPLAIN |
| 21 South 1/4-1/2 mi 2338 | Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported | FLOODPLAIN |

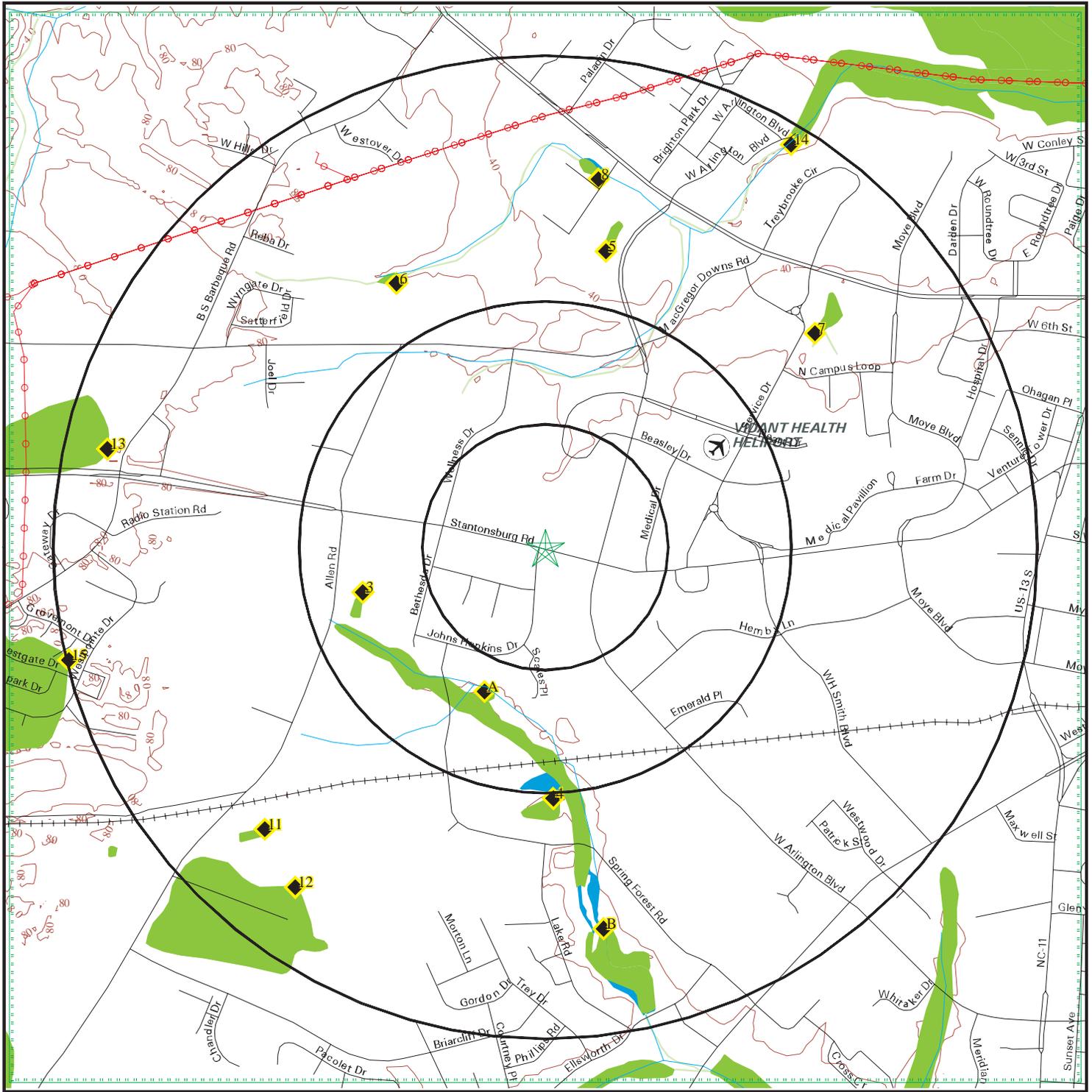
FLOOD PLAIN MAP FINDINGS

| Map ID Direction Distance Distance (ft.) | Description | Database |
|---|--|------------|
| 22 South 1/4-1/2 mi 2343 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 23 South 1/4-1/2 mi 2368 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 24 NNE 1/2-1 mi 3891 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 25 NNE 1/2-1 mi 3930 | Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported | FLOODPLAIN |
| 26 South 1/2-1 mi 4585 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 27 South 1/2-1 mi 4735 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 28 South 1/2-1 mi 4758 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 29 SSE 1/2-1 mi 4869 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |

FLOOD PLAIN MAP FINDINGS

| Map ID Direction Distance Distance (ft.) | Description | Database |
|---|--|------------|
| 30 South 1/2-1 mi 4967 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |
| 31 South 1/2-1 mi 5074 | Special Flood Hazard Area: No Flood Hazard Area: 0.2% Annual Chance Flood Hazard Flood Zone: X Sub Type: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD | FLOODPLAIN |

Wetlands Map



- | | | | | | |
|--|-----------------|--|-------------------------------|--|-----------------------------------|
| | Major Roads | | Power Lines | | Water |
| | Contour Lines | | Fault Lines | | National Wetlands Inventory |
| | Waterways | | | | State Wetlands |
| | County Boundary | | Electronic NWI data available | | Electronic NWI data not available |
| | Airports | | | | |

SITE NAME: Bowen Cleaners, DSCA Site ID DC740004
ADDRESS: 2480 Stantonsburg Road
 Greenville NC 27834
LAT/LONG: 35.605652 / 77.413682

CLIENT: AECOM
CONTACT: Emme Mayle
INQUIRY #: 6629614.1s
DATE: August 20, 2021

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Greenville SW

Additional NWI hardcopy map(s) in search area:

Not reported in source data

| Map ID | Direction | Distance | Distance (ft.) | Code and Description* | Database |
|--------|-----------|------------|----------------|--|----------|
| A1 | SSW | 1/4-1/2 mi | 1625 | PEM1Fx [P] Palustrine [EM] Emergent [1] Persistent [F] Semipermanently Flooded [x] Excavated Lat/Lon: 35.601463 / -77.415565 | NWI |
| A2 | SSW | 1/4-1/2 mi | 1740 | PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 35.601330 / -77.416176 | NWI |
| 3 | WSW | 1/4-1/2 mi | 2014 | PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 35.604321 / -77.420258 | NWI |
| 4 | South | 1/2-1 mi | 2700 | PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 35.598244 / -77.413391 | NWI |
| 5 | NNE | 1/2-1 mi | 3245 | PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 35.614384 / -77.411484 | NWI |
| 6 | NNW | 1/2-1 mi | 3251 | PEM1Ch [P] Palustrine [EM] Emergent [1] Persistent [C] Seasonally Flooded [h] Diked/Impounded Lat/Lon: 35.613434 / -77.419044 | NWI |
| 7 | NE | 1/2-1 mi | 3697 | PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 35.611965 / -77.403946 | NWI |
| 8 | North | 1/2-1 mi | 3995 | PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 35.616508 / -77.411758 | NWI |

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

| Map ID Direction Distance Distance (ft.) | Code and Description* | Database |
|---|--|----------|
| B9 South 1/2-1 mi 4145 | PFO1Ah [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded [h] Diked/Impounded Lat/Lon: 35.594398 / -77.411575 | NWI |
| B10 South 1/2-1 mi 4145 | PUBHh [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [h] Diked/Impounded Lat/Lon: 35.594398 / -77.411575 | NWI |
| 11 SW 1/2-1 mi 4268 | PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 35.597336 / -77.423798 | NWI |
| 12 SW 1/2-1 mi 4531 | PSS1/3Bd [P] Palustrine [SS] Scrub Shrub [1] Broad-Leaved Deciduous / [3Bd] Unknown Class Lat/Lon: 35.595623 / -77.422699 | NWI |
| 13 WNW 1/2-1 mi 4813 | PFO4Bd [P] Palustrine [FO] Forested [4] Needle-Leaved Evergreen [B] Saturated [d] Partially Drained/Ditched Lat/Lon: 35.608547 / -77.429474 | NWI |
| 14 NNE 1/2-1 mi 5066 | PFO1C [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [C] Seasonally Flooded Lat/Lon: 35.617527 / -77.404808 | NWI |
| 15 WSW 1/2-1 mi 5253 | PFO4Ad [P] Palustrine [FO] Forested [4] Needle-Leaved Evergreen [A] Temporarily Flooded [d] Partially Drained/Ditched Lat/Lon: 35.602325 / -77.430870 | NWI |

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM

MARINE

SUBSYSTEM

1 - SUBTIDAL

2 - INTERTIDAL

| CLASS | RB-ROCK BOTTOM | UB-UNCONSOLIDATED BOTTOM | AB-AQUATIC BED | RF-REEF | OW-OPEN WATER / Unknown Bottom | AB-AQUATIC BED | RF-REEF | RS-ROCKY SHORE | US-UNCONSOLIDATED SHORE |
|----------|-----------------------|---|--|-------------------|--------------------------------|--|-------------------|-----------------------|---|
| Subclass | 1 Bedrock 2 Rubble | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic | 1 Algal 3 Rooted Vascular 5 Unknown Submergent | 1 Coral 3 Worm | | 1 Algal 3 Rooted Vascular 5 Unknown Submergent | 1 Coral 3 Worm | 1 Bedrock 2 Rubble | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic |

SYSTEM

E - ESTUARINE

SUBSYSTEM

1 - SUBTIDAL

| CLASS | RB-ROCK BOTTOM | UB-UNCONSOLIDATED BOTTOM | AB-AQUATIC BED | RF-REEF | OW-OPEN WATER / Unknown Bottom |
|----------|-----------------------|---|--|---------------------|--------------------------------|
| Subclass | 1 Bedrock 2 Rubble | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic | 1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface | 2 Mollusk 3 Worm | |

SUBSYSTEM

2 - INTERTIDAL

| CLASS | AB-AQUATIC BED | RF-REEF | SB - STREAMBED | RS-ROCKY SHORE | US-UNCONSOLIDATED SHORE | EM-EMERGENT | SS-SCRUB SHRUB | FO-FORESTED |
|----------|--|---------------------|---|-----------------------|---|---------------------------------|--|--|
| Subclass | 1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface | 2 Mollusk 3 Worm | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic | 1 Bedrock 2 Rubble | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic | 1 Persistent 2 Nonpersistent | 1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen | 1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen |

SYSTEM

R - RIVERINE

SUBSYSTEM

1 - TIDAL 2 - LOWER PERENNIAL 3 - UPPER PERENNIAL 4 - INTERMITTENT 5 - UNKNOWN PERENNIAL

| CLASS | RB-ROCK BOTTOM | UB-UNCONSOLIDATED BOTTOM | *SB-STREAMBED | AB-AQUATIC BED | RS-ROCKY SHORE | US-UNCONSOLIDATED SHORE | **EM-EMERGENT | OW-OPEN WATER/ Unknown Bottom |
|----------|-----------------------|---|---|--|-----------------------|--|-----------------|----------------------------------|
| Subclass | 1 Bedrock 2 Rubble | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic | 1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated | 1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface | 1 Bedrock 2 Rubble | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated | 2 Nonpersistent | |

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
 **EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM

L - LACUSTRINE

SUBSYSTEM

1 - LIMNETIC

| CLASS | RB-ROCK BOTTOM | UB-UNCONSOLIDATED BOTTOM | AB-AQUATIC BED | OW-OPEN WATER/ Unknown Bottom |
|----------|-----------------------|---|--|----------------------------------|
| Subclass | 1 Bedrock 2 Rubble | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic | 1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface | |

SUBSYSTEM

2 - LITTORAL

| CLASS | RB-ROCK BOTTOM | UB-UNCONSOLIDATED BOTTOM | AB-AQUATIC BED | RS-ROCKY SHORE | US-UNCONSOLIDATED SHORE | EM-EMERGENT | OW-OPEN WATER/ Unknown Bottom |
|----------|-----------------------|---|--|-----------------------|--|-----------------|----------------------------------|
| Subclass | 1 Bedrock 2 Rubble | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic | 1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface | 1 Bedrock 2 Rubble | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated | 2 Nonpersistent | |

SUBSYSTEM

P - PALUSTRINE

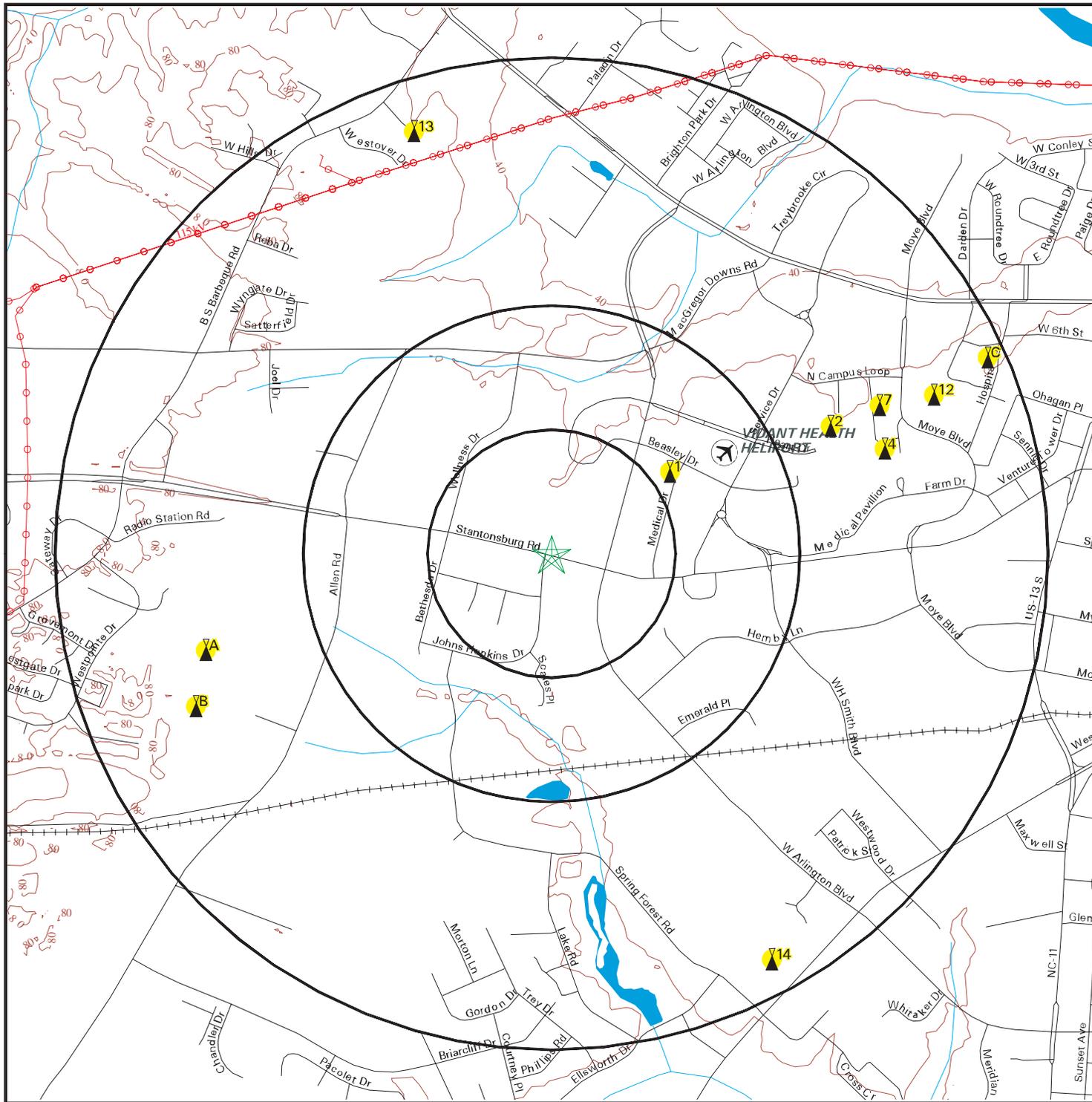
| CLASS | RB--ROCK BOTTOM | UB--UNCONSOLIDATED BOTTOM | AB-AQUATIC BED | US--UNCONSOLIDATED SHORE | ML--MOSS- LICHEN | EM--EMERGENT | SS--SCRUB-SHRUB | FO--FORESTED | OW-OPEN WATER/ Unknown |
|----------|---|------------------------------|---|--|---------------------|---------------------------------|--|--|---------------------------|
| Subclass | 1 Bedrock 2 Rubble 3 Mud 4 Organic | 1 Cobble-Gravel 2 Sand | 1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface | 1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated | 1 Moss 2 Lichen | 1 Persistent 2 Nonpersistent | 1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen | 1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen | |

MODIFIERS

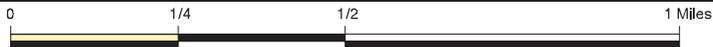
In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

| WATER REGIME | | | | WATER CHEMISTRY | | | SOIL | SPECIAL MODIFIERS |
|---------------------------------------|--|--|-------------------------|-----------------|-------------------------|---------------|-----------------|-----------------------------|
| Non-Tidal | Tidal | Coastal Halinity | Inland Salinity | pH | all Fresh Water | | | |
| A Temporarily Flooded | H Permanently Flooded | K Artificially Flooded | *S Temporary-Tidal | | 1 Hyperhaline | 7 Hypersaline | g Organic | b Beaver |
| B Saturated | J Intermittently Flooded | L Subtidal | *R Seasonal-Tidal | | 2 Euhaline | 8 Eusaline | n Mineral | d Partially Drained/Ditched |
| C Seasonally Flooded | K Artificially Flooded | M Irregularly Exposed | *T Semipermanent -Tidal | | 3 Mixohaline (Brackish) | 9 Mixosaline | a Acid | f Farmed |
| D Seasonally Flooded/ Well Drained | W Intermittently Flooded/Temporary | N Regularly Flooded | V Permanent -Tidal | | 4 Polyhaline | 0 Fresh | t Circumneutral | h Diked/Impounded |
| E Seasonally Flooded/ Saturated | Y Saturated/Semipermanent/ Seasonal | P Irregularly Flooded | U Unknown | | 5 Mesohaline | | i Alkaline | r Artificial Substrate |
| F Semipermanently Flooded | Z Intermittently Exposed/Permanent | *These water regimes are only used in tidally influenced, freshwater systems. | | | 6 Oligohaline | | | s Spoil |
| G Intermittently Exposed | U Unknown | | | | 0 Fresh | | | x Excavated |

FCC & FAA Sites Map



-  Streets
-  Contour Lines
-  County Boundary
-  Waterways
-  Power Lines
-  Water
-  Sites
-  Airports



SITE NAME: Bowen Cleaners, DSCA Site ID DC740004
ADDRESS: 2480 Stantonsburg Road
 Greenville NC 27834
LAT/LONG: 35.605652 / 77.413682

CLIENT: AECOM
CONTACT: Emme Mayle
INQUIRY #: 6629614.1s
DATE: August 20, 2021

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1
 NE
 1/4-1/2 mi
 1534

DOF161200214362
 FAA DOF

Obstacle #: 37-000574
 Obstacle Type: TOWER
 Quantity: 1
 Ft Above Ground: 150
 Ft Above Sea Level: 225
 Verification Status: Verified
 Lighting: Red
 Horizontal Accuracy: +/- 500 ft
 Vertical Accuracy: +/- 50 ft
 Markings: Marked
 Action: Change
 Action Date: 2014152

2
 ENE
 1/2-1 mi
 3265

DOF161200214371
 FAA DOF

Obstacle #: 37-021827
 Obstacle Type: BLDG
 Quantity: 1
 Ft Above Ground: 193
 Ft Above Sea Level: 262
 Verification Status: Verified
 Lighting: Red
 Horizontal Accuracy: +/- 20 ft
 Vertical Accuracy: +/- 3 ft
 Markings: Unknown
 Action: Add
 Action Date: 2012264

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

A3
WSW
1/2-1 mi
3655

ANT130000090462
ANTREG

Registration #: 1246841
File #: A0684409
Issue Date: 1/18/2005
Entity: Beasley Family Towers, Inc.
Height: 59.7
Address: 2929 Radio Station Road
FAA Study: 2004-ASO-2860-OE
FAA Circular: Not Reported
License ID: L00645941
Contact Name: Bob Demuth
Contact Address: 3033 Riviera Drive, Suite 200
Contact City: Naples
Contact State: FL
Contact Zip: 34103
ASR Search: <http://wireless2.fcc.gov/UlsApp/AsrSearch/asrRegistrationSearch.jsp>

This record is for a license, and it may or may not indicate a site which has been built.

4
ENE
1/2-1 mi
3715

DOF161200214367
FAA DOF

Obstacle #: 37-003298
Obstacle Type: BLDG
Quantity: 1
Ft Above Ground: 236
Ft Above Sea Level: 309
Verification Status: Verified
Lighting: Red
Horizontal Accuracy: +/- 50 ft
Vertical Accuracy: +/- 20 ft
Markings: Orange or Orange and White Paint
Action: Change
Action Date: 2008326

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

A5
WSW
1/2-1 mi
3741

ANT13000090461
ANTREG

Registration #: 1246840
File #: A0684407
Issue Date: 1/18/2005
Entity: Beasley Family Towers, Inc.
Height: 59.7
Address: 2929 Radio Station Road
FAA Study: 2004-ASO-2859-OE
FAA Circular: Not Reported
License ID: L00645941
Contact Name: Bob Demuth
Contact Address: 3033 Riviera Drive
Contact City: Naples
Contact State: FL
Contact Zip: 34103
ASR Search: <http://wireless2.fcc.gov/UlsApp/AsrSearch/asrRegistrationSearch.jsp>

This record is for a license, and it may or may not indicate a site which has been built.

A6
WSW
1/2-1 mi
3791

DOF161200214343
FAA DOF

Obstacle #: 37-000161
Obstacle Type: TOWER
Quantity: 6
Ft Above Ground: 289
Ft Above Sea Level: 363
Verification Status: Verified
Lighting: Red
Horizontal Accuracy: +/- 250 ft
Vertical Accuracy: +/- 50 ft
Markings: Marked
Action: Change
Action Date: 2014152

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

7
 ENE
 1/2-1 mi
 3832

DOF161200214376
 FAA DOF

Obstacle #: 37-000721
 Obstacle Type: BLDG
 Quantity: 1
 Ft Above Ground: 166
 Ft Above Sea Level: 239
 Verification Status: Verified
 Lighting: Red
 Horizontal Accuracy: +/- 500 ft
 Vertical Accuracy: +/- 50 ft
 Markings: None
 Action: Change
 Action Date: 2014152

A8
 WSW
 1/2-1 mi
 3890

ATM130000003896
 AM_ANTENNA

Call Sign: WNCT
 Frequency: 1070 kHz
 Service: AM
 Class: B
 Status: LIC
 File #: BL -20060802BFL
 Facility ID: 57841
 Licensee: WNCT LICENSE LIMITED PARTNERSHIP

This record is for a license, and it may or may not indicate a site which has been built.

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

A9
WSW
1/2-1 mi
4019

ANT130000090464
ANTREG

Registration #: 1246843
File #: A0684411
Issue Date: 1/18/2005
Entity: Beasley Family Towers, Inc.
Height: 59.7
Address: 2929 Radio Station Road
FAA Study: 2004-ASO-2862-OE
FAA Circular: Not Reported
License ID: L00645941
Contact Name: Bob Demuth
Contact Address: 3033 Riviera Drive, Suite 200
Contact City: Naples
Contact State: FL
Contact Zip: 34103
ASR Search: <http://wireless2.fcc.gov/UISApp/AsrSearch/asrRegistrationSearch.jsp>

This record is for a license, and it may or may not indicate a site which has been built.

B10
WSW
1/2-1 mi
4075

ANT130000090463
ANTREG

Registration #: 1246842
File #: A0684410
Issue Date: 1/18/2005
Entity: Beasley Family Towers, Inc.
Height: 59.7
Address: 2929 Radio Station Road
FAA Study: 2004-ASO-2861-OE
FAA Circular: Not Reported
License ID: L00645941
Contact Name: Bob Demuth
Contact Address: 3033 Riviera Drive, Suite 200
Contact City: Naples
Contact State: FL
Contact Zip: 34103
ASR Search: <http://wireless2.fcc.gov/UISApp/AsrSearch/asrRegistrationSearch.jsp>

This record is for a license, and it may or may not indicate a site which has been built.

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

B11
WSW
1/2-1 mi
4155

ANT13000090459
ANTREG

Registration #: 1246838
File #: A0684406
Issue Date: 1/18/2005
Entity: Beasley Family Towers, Inc.
Height: 59.7
Address: 2929 Radio Station Road
FAA Study: 2004-ASO-2858-OE
FAA Circular: Not Reported
License ID: L00645941
Contact Name: Not Reported
Contact Address: 3033 Riviera Drive, Suite 200
Contact City: Naples
Contact State: FL
Contact Zip: 34103
ASR Search: <http://wireless2.fcc.gov/UlsApp/AsrSearch/asrRegistrationSearch.jsp>

This record is for a license, and it may or may not indicate a site which has been built.

12
ENE
1/2-1 mi
4406

ANT130000124717
ANTREG

Registration #: 1284538
File #: A0776766
Issue Date: 6/5/2012
Entity: United States Cellular Corporation
Height: 24.3
Address: 1717 5th Street
FAA Study: 2012-ASO-4971-OE
FAA Circular: Not Reported
License ID: L00127162
Contact Name: Renee Mazur 556704
Contact Address: 8410 W. Bryn Mawr Ave #700
Contact City: Chicago
Contact State: IL
Contact Zip: 60631
ASR Search: <http://wireless2.fcc.gov/UlsApp/AsrSearch/asrRegistrationSearch.jsp>

This record is for a license, and it may or may not indicate a site which has been built.

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

13
NNW
1/2-1 mi
4727

ANT130000106719
ANTREG

Registration #: 1265445
File #: A0620215
Issue Date: 10/6/2008
Entity: United States Cellular Corporation
Height: 28.9
Address: B's Barbeque Road
FAA Study: 2008-ASO-867-OE
FAA Circular: Not Reported
License ID: L00127162
Contact Name: Renee Mazur 556562
Contact Address: 8410 W. Bryn Mawr Ave #700
Contact City: Chicago
Contact State: IL
Contact Zip: 60631
ASR Search: <http://wireless2.fcc.gov/UlsApp/AsrSearch/asrRegistrationSearch.jsp>

This record is for a license, and it may or may not indicate a site which has been built.

14
SSE
1/2-1 mi
4910

ANT130000099202
ANTREG

Registration #: 1256976
File #: A0549508
Issue Date: 1/31/2007
Entity: United States Cellular Corporation
Height: 36.5
Address: Spring Forest Road
FAA Study: 2006-ASO-4498-OE
FAA Circular: Not Reported
License ID: L00127162
Contact Name: Renee Mazur 556564
Contact Address: 8410 W. Bryn Mawr Ave #700
Contact City: Chicago
Contact State: IL
Contact Zip: 60631
ASR Search: <http://wireless2.fcc.gov/UlsApp/AsrSearch/asrRegistrationSearch.jsp>

This record is for a license, and it may or may not indicate a site which has been built.

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

C15
ENE
1/2-1 mi
5083

ANT130000028316
ANTREG

Registration #: 1036504
File #: A0043103
Issue Date: 1/23/1998
Entity: PITT, COUNTY OF
Height: 51.8
Address: 1717 W 5TH ST
FAA Study: 96-ASO-5518-OE
FAA Circular: 70/7460-1J
License ID: Not Reported
Contact Name: BOBBY JOYNER
Contact Address: 1717 W 5TH ST
Contact City: GREENVILLE
Contact State: NC
Contact Zip: 27834
ASR Search: <http://wireless2.fcc.gov/UlsApp/AsrSearch/asrRegistrationSearch.jsp>

This record is for a license, and it may or may not indicate a site which has been built.

C16
ENE
1/2-1 mi
5095

DOF161200214385
FAA DOF

Obstacle #: 37-002118
Obstacle Type: TOWER
Quantity: 1
Ft Above Ground: 150
Ft Above Sea Level: 218
Verification Status: Verified
Lighting: Red
Horizontal Accuracy: +/- 50 ft
Vertical Accuracy: +/- 20 ft
Markings: Marked
Action: Change
Action Date: 2014152

FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID
Database

ARPT011106
AIRPORTS

Landing Facility Name: VIDANT HEALTH
Type: HELIPORT
Owner Name: VIDANT HEALTH
Owner Address: PO BOX 6028
GREENVILLE, NC 27834
Manager Name: DAVE MC RAE, PRESIDENT/CEO
Manager Address: 2100 STANTONSBURG RD.
GREENVILLE, NC 27834
Manager Phone: 252-816-4451
Elevation (ft): 76
Aeronautical Chart: CHARLOTTE

FCC & FAA SITES MAP FINDINGS

POWERLINES

EDR ID
Database

135297
POWERLINES

Voltage: 115
Range: Yes
Hi voltage: 161
Volt cat: 70-138 kV
Type: Alternating current
Status: Active
Corridor: Single line
Owner: Duke Energy Corporation
Owner id: DUKE
Num owners: Single Owner
Operator: Progress Energy Carolinas Inc.
Operator id: CARPOW
Last owner: Progress Energy Inc.
Last own id: PROGENG
Last oper: Not Reported
Last oper id: Not Reported
Mileage: 4.0371051199999997

109993
POWERLINES

Voltage: 230
Range: Not Reported
Hi voltage: 0
Volt cat: 139-230 kV
Type: Alternating current
Status: Active
Corridor: Single line
Owner: Dominion
Owner id: DOMINION
Num owners: Single Owner
Operator: Dominion Virginia Power
Operator id: VPCO
Last owner: Not Reported
Last own id: Not Reported
Last oper: Not Reported
Last oper id: Not Reported
Mileage: 9.2518170200000007

136063
POWERLINES

Voltage: 115
Range: Not Reported
Hi voltage: 0
Volt cat: 70-138 kV
Type: Alternating current

FCC & FAA SITES MAP FINDINGS

POWERLINES

EDR ID
Database

Status: Active
Corridor: Multiple lines
Owner: Dominion
Owner id: DOMINION
Num owners: Single Owner
Operator: Dominion Virginia Power
Operator id: VPCO
Last owner: Not Reported
Last own id: Not Reported
Last oper: Not Reported
Last oper id: Not Reported
Mileage: .6417553700000005

136994
POWERLINES

Voltage: 230
Range: Not Reported
Hi voltage: 0
Volt cat: 139-230 kV
Type: Alternating current
Status: Active
Corridor: Multiple lines
Owner: Dominion
Owner id: DOMINION
Num owners: Single Owner
Operator: Dominion Virginia Power
Operator id: VPCO
Last owner: Not Reported
Last own id: Not Reported
Last oper: Not Reported
Last oper id: Not Reported
Mileage: 8.0084744200000006

135936
POWERLINES

Voltage: 230
Range: Not Reported
Hi voltage: 0
Volt cat: 139-230 kV
Type: Alternating current
Status: Active
Corridor: Multiple lines
Owner: Dominion
Owner id: DOMINION
Num owners: Single Owner
Operator: Dominion Virginia Power
Operator id: VPCO

FCC & FAA SITES MAP FINDINGS POWERLINES

EDR ID
Database

Last owner: Not Reported
Last own id: Not Reported
Last oper: Not Reported
Last oper id: Not Reported
Mileage: 5.3079490900000001

137976
POWERLINES

Voltage: 115
Range: Not Reported
Hi voltage: 0
Volt cat: 70-138 kV
Type: Alternating current
Status: Active
Corridor: Single line
Owner: Duke Energy Corporation
Owner id: DUKE
Num owners: Single Owner
Operator: Progress Energy Carolinas Inc.
Operator id: CARPOW
Last owner: Progress Energy Inc.
Last own id: PROGENG
Last oper: Not Reported
Last oper id: Not Reported
Mileage: .10194230999999999

136015
POWERLINES

Voltage: 115
Range: Not Reported
Hi voltage: 0
Volt cat: 70-138 kV
Type: Alternating current
Status: Active
Corridor: Multiple lines
Owner: Dominion
Owner id: DOMINION
Num owners: Single Owner
Operator: Dominion Virginia Power
Operator id: VPCO
Last owner: Not Reported
Last own id: Not Reported
Last oper: Not Reported
Last oper id: Not Reported
Mileage: 7.3667190500000004

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Wilderness Areas

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

US NWP: National Wilderness Preservation System

This map layer consists of National Wilderness Preservation System areas of 320 acres or more, in the United States, Puerto Rico, and the U.S. Virgin Islands. Some established wilderness areas which are larger than 320 acres are not included in this map layer because their boundaries were not available from the owning or administering agency.

Source: U.S. Geological Survey.

Telephone: 888-275-8747

Federal Contacts for Additional Information

National Park Service, Southeast Region
100 Alabama Street SW, 1924 Building
Atlanta GA 30303
404-562-3100

USDA Forest Service, Southern
1720 Peachtree Road, N.W.
Atlanta GA 30367
404-347-2384

BLM - Eastern States Office
7450 Boston Blvd.
Springfield VA 22153
703-440-1713

Fish & Wildlife Service, Fish & Wildlife Region 4
Budget and Finance 1875 Century Boulevard
Atlanta GA 30345
404-679-4096

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wildlife Preserves, Sanctuaries and Refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

NC Conservation Easements: NC Conservation Easements

Source: NCGIA.

Telephone: 919-733-2090

NC Natural Heritage Areas: Significant Natural Heritage Areas

The Natural Heritage Program Natural Areas (NHPNA) data identifies terrestrial and aquatic sites that are of special biodiversity significance. A natural areas significance may be due to the presence of rare species, exemplary natural communities, or important animal assemblages.

Source: North Carolina Natural Heritage Program.

Telephone: 919-707-8630

NC Managed Areas: Lands Managed for Conservation and Open Space

The North Carolina Natural Heritage Program developed the Managed Areas (or MAREA) shapefile to document public- and privately-owned lands and easements that are of some conservation interest.

Source: North Carolina Natural Heritage Program.

Telephone: 919-707-8630

NC Federal Land Ownership: Federal Land Ownership

Federal Land Ownership boundaries of land in North Carolina that is owned and managed by the US Government

Source: North Carolina Natural Heritage Program.

Telephone: 919-707-8630

US ACEC: Areas of Critical Environmental Concern Designated Polygons

The designated ACECs are "areas within the public lands where special management attention is required to protect and prevent irreparable damage to important historic, cultural, or scenic values, fish and wildlife resources or other natural systems of processes, or to protect life and safety from natural hazards

Source: Bureau of Land Management.

Telephone: 202-912-7352

US Critical Water Habitat: US Critical Water Habitat

When a species is proposed for listing as endangered or threatened under the Endangered Species Act, the U.S.

Fish and Wildlife Service must consider whether there are areas of habitat believed to be essential the species conservation.

Those areas may be proposed for designation as critical habitat. Critical habitat is a term defined and used in the Act.

Source: US Fish & Wildlife Services.

Telephone: 970-226-9468

US Proclamation Boundaries: US Proclamation Boundaries

Approved, Proclamation or Extent Boundary

Source: USGS.

Telephone: 208-301-8288

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

US Scenic River: National Wild and Scenic River System
National Wild and Scenic Rivers System

Source: USGS National Atlas and the Interagency Wild and Scenic River Coordinating Council.
Telephone: 509-546-8333

US NCED: National Conservation Easement Database

NCED shows a comprehensive picture of privately owned conservation easement lands in the U.S. The NCED will allow better strategic planning for conservation and development by merging data on land protection with biodiversity and resources, improving ecological and economic plans and investments.

Source: U.S Endowment for Forestry and Communities.
Telephone: 202-621-1647

US Critical Land Habitat: US Critical Land Habitat

When a species is proposed for listing as endangered or threatened under the Endangered Species Act, the U.S. Fish and Wildlife Service must consider whether there are areas of habitat believed to be essential the species conservation. Those areas may be proposed for designation as critical habitat. Critical habitat is a term defined and used in the Act.

Source: US Fish & Wildlife Services.
Telephone: 970-226-9468

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 4
Budget and Finance 1875 Century Boulevard
Atlanta GA 30345
404-679-4096

State Contacts for Additional Information

Wildlife Resources Commission
919-733-3391

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 4
Budget and Finance 1875 Century Boulevard
Atlanta GA 30345
404-679-4096

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Endangered Species

Government Records Searched in This Report

NC Natural Heritage Element Occurrence: Natural Heritage Element Occurrence Sites

Locations of rare and endangered species populations and occurrences of exemplary or unique natural ecosystems (terrestrial and palustrine) and special wildlife habitats.

Source: Natural Heritage Program..

Telephone: 919-707-8630

Federal Endangered Species by County: Threatened and Endangered Species Listing

Endangered, Threatened, Emergency Listing (Endangered), Emergency Listing (Threatened), Experimental Population (Essential), Experimental Population (Non-Essential), Similarity of Appearance (Endangered), Similarity of Appearance (Threatened).

Source: US Fish and Wildlife Services.

Telephone: 800-344-9453

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 4

Budget and Finance 1875 Century Boulevard

Atlanta GA 30345

404-679-4096

State Contacts for Additional Information

Natural Heritage Program, Dept. of Env. & Natural Resources

919-733-4181

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 07/19/2015

NC Local District Boundaries: Boundaries for Local Districts

Properties and districts in North Carolina that are locally designated districts.

Source: Department of Natural & Cultural Resources.

Telephone: 919-807-6586

NC Historic Preservation Sites: Historic Preservation Sites:

Properties and districts in North Carolina that are locally designated landmarks.

Source: Department of Natural & Cultural Resources.

Telephone: 919-807-6586

NC NR, SL, DOE Boundaries: National Register, Study List, and Determined Eligible Sites:

Properties and districts in North Carolina that are either listed in the National Register (NR), determined eligible for the National Register in the Section 106 review process (DOE), on the North Carolina Study List for potential nomination to the National Register (SL).

Source: Department of Natural & Cultural Resources.

Telephone: 919-807-6586

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Natchez Trace National Scenic Trail: Natchez Trace National Scenic Trail

Source: Natchez Trace Parkway.

Telephone: 800-305-7417

US Trails: US Trails

This dataset contains a baseline inventory and condition assessment of all non-motorized trails on U.S. Fish and Wildlife Service lands as part of the National Trails Inventory Program conducted by the US Dept. of Transportation, Federal Highway Administration, Federal Lands Highway Division.

Source: U.S. Fish and Wildlife.

Telephone: 703-358-2205

Indian Reservations: Indian Reservations

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

Source: USGS.

Telephone: 202-208-3710

Potomac Heritage National Scenic Trail: Potomac Heritage National Scenic Trail

Source: Potomac Heritage NST Office.

Telephone: 304-535-4014

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation

1849 C Street NW

Washington, DC 20240

Phone: (202) 208-6843

State Contacts for Additional Information

Div. Of Archives & History

919-733-4673

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

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

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs

Office of Public Affairs

1849 C Street, NW

Washington, DC 20240-0001

Office: 202-208-3711

Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers

1411 K Street NW, Suite 700

Washington, DC 20005

Phone: 202-628-8476

Fax: 202-628-2241

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
<http://www.doi.gov/bia/areas/agency.html>

Eastern Area Office, Bureau of Indian Affairs
3701 N. Fairfax Drive Mail Stop 260-VASQ
Arlington VA 22203
703-235-2571

Scenic Trails

Government Records Searched in This Report

APPAL_TRAIL: Appalachian National Scenic Trail

Source: Appalachian Trail Conservancy and National Park Service Appalachian Trail Park Office
Telephone: (304) 535-6278
Appalachian Trail centerline.

State Contacts for Additional Information

Appalachian Trail Conference
799 Washington Street P.O. Box 807
Harpers Ferry, WV 25425-0807
(304) 535-6331

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts Special Flood Hazard Areas (1%) and 0.2% Annual Chance of Flood Hazard as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Phone: 877-336-2627
Date of Government Version: 2015, 2003

Federal Contacts for Additional Information

Federal Emergency Management Agency
877-3362-627

State Contacts for Additional Information

Dept. of Crime Control & Public Safety, Div. Of Emergency Mgmt.
919-733-3867

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010, and 2015 from the U.S. Fish and Wildlife Service.

Source: U.S. Fish and Wildlife Service.

Phone: 608-238-9333

Date of Government Version: 05/28/2015

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

Federal Contacts for Additional Information

Fish & Wildlife Service

813-570-5412

State Contacts for Additional Information

Wildlife Conservation Commission

919-733-3391

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas

Dept. of Env., Health & Natural Resources

919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management

N/ORM, SSMC4

1305 East-West Highway

Silver Spring, Maryland 20910

301-713-3102

State Contacts for Additional Information

DEHNR, Div. Of Coastal Management

919-733-2293

NC Coastal Boundaries

NC One Map

919-754-6580

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Government Records Searched in This Report

Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

Antenna Structure Registration

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

AM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FAA Digital Obstacle File

Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Spring, MD 20910-3281
Telephone: 301-713-2817

Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

Federal Aviation Administration
Telephone (800) 457-6656
Private and public use landing facilities.

Electric Power Transmission Line Data

PennWell Corporation

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KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Excessive Radio Frequency Emission

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information

Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

OTHER CONTACT SOURCES

Department of Administration
1302 Mail Service Center
Raleigh NC 27699-1302
919-807-2323

STREET AND ADDRESS INFORMATION

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APPENDIX C

NOTICE OF DRY CLEANING SOLVENT REMEDIATION (NDSCR)

SOURCE PROPERTY: 4B, LLC PIN 4677196379

NOTICE OF DRY-CLEANING SOLVENT REMEDIATION

Property Owner: 4B, LLC

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 4B LLC (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 2480 Stantonsburg Road, Greenville, Pitt County, North Carolina, Parcel Identification Number (PIN) 4677196379.

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. 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.

Soil and groundwater at the Property are contaminated with dry-cleaning solvents associated with dry-cleaning operations at the Bowen Cleaners (DSCA Site DC740004) located at 2480 Stantonsburg Road, Greenville, North Carolina, in the Stanton Square Shopping Center. Dry-cleaning operations were conducted on the Property from approximately 1985 to 2004.

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. 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.
4. 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.
5. Except for routine maintenance, no construction activities or change in property use in **Areas A** and **B** 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.

6. Structural modifications that may cause or create an increased risk from vapor intrusion in **Areas A** and **B** 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.
7. In January of each year, on or before January 31st, 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__.

Representative of 4B, LLC

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 Representative of 4B, LLC, a North Carolina limited liability corporation, 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: _____ Date _____
William F. Hunneke
Chief, Superfund Section
Division of Waste Management

ATTACHMENT

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 _____

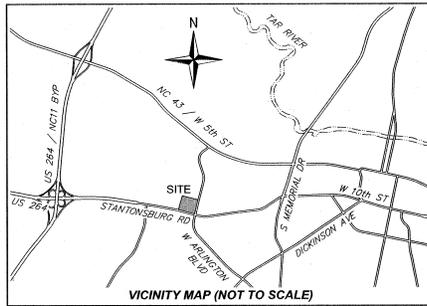
I, _____, a Notary Public, do hereby certify that _____ personally appeared before me this day and signed this “Limited Power of Attorney”.

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



SURVEY NOTES

- THE PURPOSE OF THIS PLAT IS TO PROVIDE A CURRENT BOUNDARY SURVEY FOR THE SUBJECT PROPERTY FOR USE WITH THE DRY-CLEANING SOLVENT REMEDIATION PROGRAM OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY. THE SUBJECT PROPERTY IS IDENTIFIED AS LOT 1 HEREON. IT IS THE SOURCE PROPERTY FOR THE CONTAMINATION. THIS SURVEY IS NOT INTENDED TO REFLECT ALL PHYSICAL FEATURES SITUATED ON THE SUBJECT PROPERTY. ONLY PHYSICAL FEATURES THAT LIE WITHIN CLOSE PROXIMITY OF THE PROPERTY LINES WERE SURVEYED, IN ACCORDANCE WITH BOUNDARY SURVEYING LAW. PROPERTIES SHOWN HEREON ARE SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD THAT WOULD BE REVEALED BY A THOROUGH TITLE SEARCH. THIS PLAT SHOULD NOT BE RELIED UPON AS A COMPLETE RECORD OF ALL EASEMENTS THAT MAY EXIST THESE PROPERTIES.
- SOIL BORINGS WERE SCALED FROM A MAP ENTITLED SOIL QUALITY SUMMARY MAP, DATED MARCH 7, 2018. AREAS A & B WERE SCALED FROM A MAP ENTITLED LAND USE RESTRICTION MAP DATED NOVEMBER 9, 2021, PROVIDED BY AECOM.
- ALL DISTANCES AND COORDINATES SHOWN HEREON ARE LOCALIZED, GROUND INFORMATION, UNLESS SPECIFICALLY NOTED AS "GRID".
- THE AREAS AND TYPE OF CONTAMINATION DEPICTED UPON THE MAP ARE APPROXIMATIONS DERIVED FROM THE BEST AVAILABLE INFORMATION AT THE TIME OF FILING.

ABBREVIATIONS

| | | | |
|-----|-------------------------|-----|--------------------|
| CMF | CONCRETE MONUMENT FOUND | PG | PAGE |
| CMP | CORRUGATED METAL PIPE | PKF | PK NAIL FOUND |
| DB | DEED BOOK | RW | RIGHT-OF-WAY |
| IFP | IRON PIPE FOUND | SPK | SPIKE WITH CAP SET |
| IRF | IRON ROD FOUND | WM | WATER METER |
| MB | MAP BOOK | | |
| NF | NOW OR FORMERLY | | |

HATCH LEGEND

| | | | |
|-----------------|----------|-----------------|----------|
| [Hatch Pattern] | CONCRETE | [Hatch Pattern] | AREA 'A' |
| [Hatch Pattern] | BUILDING | [Hatch Pattern] | AREA 'B' |

AREAS 'A' & 'B' - SOIL DISTURBANCE AND VAPOR LAND USE RESTRICTION AREA

SURVEY CONTROL / GRID TIE NOTES

- DATUM DESCRIPTION: NC STATE PLANE COORDINATE SYSTEM NAD83 (2011) EPOCH 1 2010.00 NAVD83 (GEOID 2018)
- UNIT OF MEASUREMENT: U.S. SURVEY FOOT
- GPS FIELD PROCEDURE: REAL TIME NETWORK (VRS)
- DATE OF GPS SURVEY: 08/30/2021
- GPS ANTENNA: TRIMBLE R10 (SERIAL # 5518498542)
- PUBLISHED / FIXED CONTROL USED: NAME: NCEC PID: DL7377 LATITUDE: 35° 36' 18.30985" ELLIPSOID HEIGHT: 16.11' LONGITUDE: 77° 21' 55.4795" GEOID HEIGHT: -117.75'
- ADJUSTMENT: SURVEY DATA WAS POST PROCESSED WITH TRIMBLE BUSINESS CENTER (TBC) USING A NETWORK LEAST SQUARES ADJUSTMENT AT THE 95% CONFIDENCE LEVEL.
- CLASS OF SURVEY: CLASS A
- POSITIONAL ACCURACY: 0.04'
- POINT OF LOCALIZATION: CONTROL POINT #10
- COMBINED FACTOR: 0.999893919

CONTAMINANT STATEMENT

GROUNDWATER IN WELLS MW-2, MW-3, MW-4, MW-5, MW-6, AND MW-7 EXCEEDED THE APPLICABLE 2L WATER QUALITY STANDARDS (15A NCAC 2L0200) FOR ONE OR MORE OF THE FOLLOWING CONTAMINANTS: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, CIS-1,2-DICHLOROETHYLENE, VINYL CHLORIDE, 1,1-DICHLOROETHANE, 1,2-DICHLOROPROPANE, AND NAPHTHALENE.

SOIL BORINGS HA-1(LAW), HA-2(LAW), HA-1, HA-2, HA-3, HA-4, HA-5, HA-6, HA-7, HA-8, HA-9, HA-10, AND MW-7 EXCEEDED THE APPLICABLE RESIDENTIAL RISK BASED SCREENING LEVEL (15A NCAC 2S) FOR ONE OR MORE OF THE FOLLOWING CONTAMINANTS: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, CIS-1,2-DICHLOROETHYLENE, AND VINYL CHLORIDE.

THE DOCUMENTARY COMPONENT OF THIS NOTICE OF DRY-CLEANING SOLVENT REMEDIATION SHALL INCLUDE THE MONITORING CONTROLS OR LIMITATIONS ON THE USE OF THIS PROPERTY, IS RECORDED AT PAGE: _____

SURVEYOR'S CERTIFICATION

I, REV. V. BOHN, HEREBY CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DASHED LINES, DRAWN FROM INFORMATION REPORTED ON THE FACE OF THIS PLAT, THAT THE POSITIONAL ACCURACY OF THE SURVEY HAS BEEN REPORTED HEREON:

THAT THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED; WITNESS MY ORIGINAL SIGNATURE REGISTRATION NUMBER AND SEAL THIS 25TH DAY OF SEPTEMBER, 2023.



REV. V. BOHN, P.L.S. N.C. REG. NO. L-4543
9/25/23

NC DEQ ACKNOWLEDGEMENT

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

WILLIAM F. HUNNKE
CHIEF, SUPERFUND SECTION
DIVISION OF WASTE MANAGEMENT

NOTARY CERTIFICATE

STATE OF _____ COUNTY OF _____

_____, A NOTARY PUBLIC OF SAID COUNTY AND STATE, DO HEREBY CERTIFY THAT _____ DID PERSONALLY APPEAR AND SIGN BEFORE ME THIS _____ DAY OF _____

NOTARY PUBLIC (SIGNATURE) _____
MY COMMISSION EXPIRES _____

CERTIFICATE OF REVIEW OFFICER

STATE OF NORTH CAROLINA COUNTY OF PITT

_____, REVIEW OFFICER OF PITT COUNTY, CERTIFY THAT THE MAP OR PLOT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

REVIEW OFFICER _____ DATE _____

SYMBOL LEGEND

- PROPERTY CORNER FOUND
- PROPERTY CORNER SET
- CONC MONUMENT FOUND
- △ COMPUTED POINT
- ⊕ DATUM CONTROL POINT
- SIGN
- ⊕ GAS VALVE
- ⊕ GAS METER
- ⊕ SANITARY CLEANOUT
- ⊕ CURB INLET
- ⊕ SANITARY MANHOLE
- ⊕ WATER VALVE
- ⊕ WATER METER
- ⊕ UTILITY POLE WITH DROP
- ⊕ GUY WIRE / ANCHOR
- ⊕ FIBEROPTIC MANHOLE
- ⊕ TELEPHONE HANDHOLE
- ⊕ COMMUNICATIONS PEDESTAL
- ⊕ MONITORING WELL
- ⊕ SOIL BORING

LINE LEGEND

- PROPERTY LINE (PL)
- - - PL NOT SURVEYED
- EASEMENT
- CURB & GUTTER
- WALL
- STORM DRAINAGE PIPE
- OVERHEAD UTILITY WIRES
- GRAVITY SEWER
- CHAIN-LINK FENCE
- U/G GAS (BY OTHERS)
- U/G WATER LINE (BY OTHERS)

DEED STATEMENT

N.C.G.S. 143-215.104M(9) 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 PITT 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, 1648 MAIL SERVICE CENTER, RALEIGH, NC 27699-1046."

OWNER ACKNOWLEDGEMENT

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

SIGNATURE (S) OF PROPERTY OWNER (S) _____ DATE _____

NOTARY CERTIFICATE

STATE OF _____ COUNTY OF _____

_____, A NOTARY PUBLIC OF SAID COUNTY AND STATE, DO HEREBY CERTIFY THAT _____ DID PERSONALLY APPEAR AND SIGN BEFORE ME THIS _____ DAY OF _____

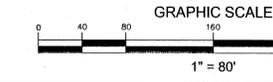
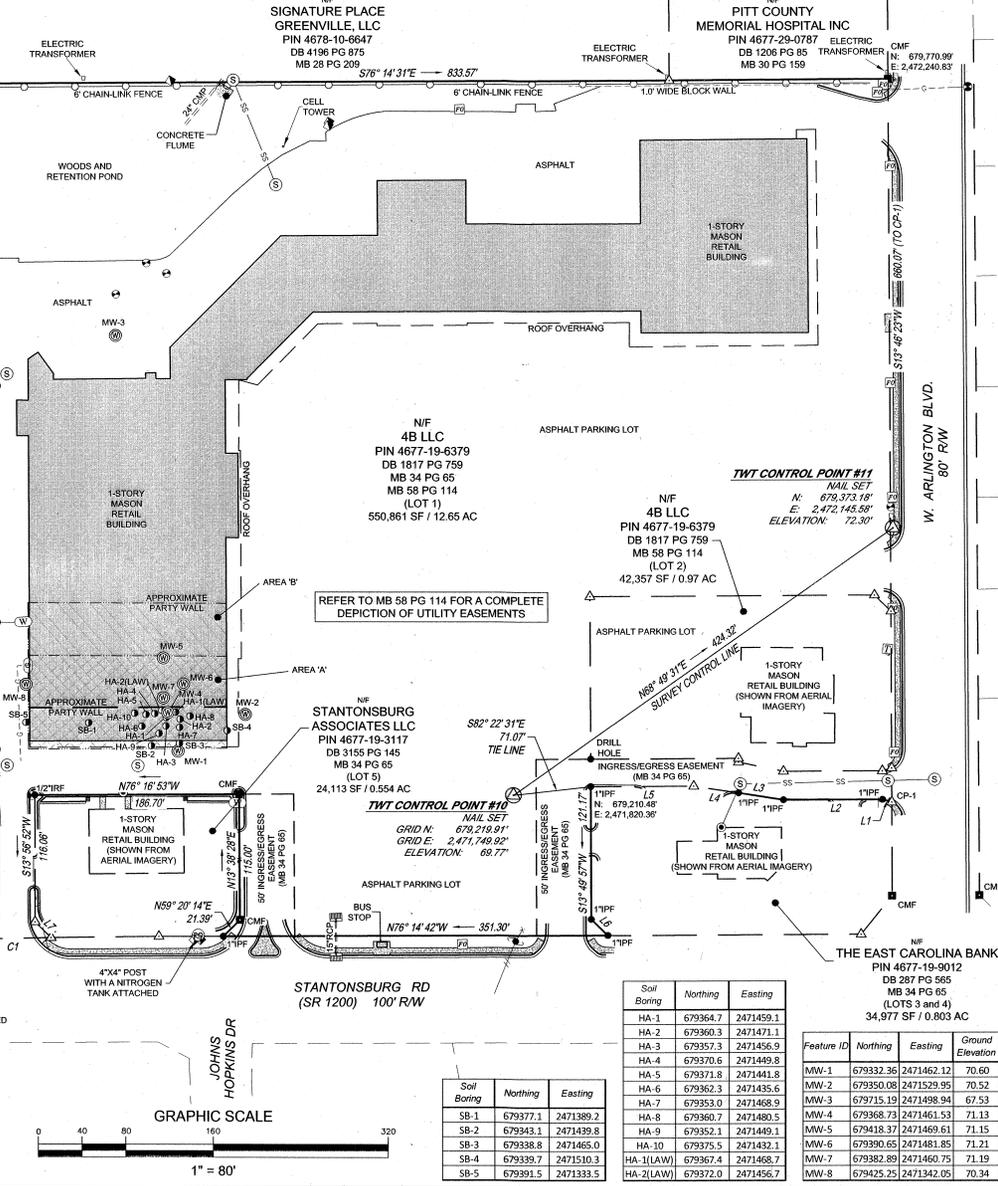
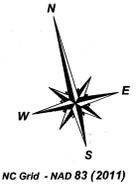
NOTARY PUBLIC (SIGNATURE) _____
MY COMMISSION EXPIRES _____

LINE TABLE

| LINE # | DIRECTION | LENGTH |
|--------|---------------|--------|
| L1 | N59° 50' 10"W | 8.00' |
| L2 | N76° 12' 09"W | 90.46' |
| L3 | N67° 10' 01"W | 41.51' |
| L4 | N67° 12' 52"W | 41.45' |
| L5 | N76° 13' 55"W | 94.00' |
| L6 | S31° 27' 29"E | 21.23' |
| L7 | S31° 32' 22"E | 20.62' |

CURVE TABLE

| CURVE # | LENGTH | RADIUS | CH. DIRECTION | CH. LENGTH |
|---------|--------|----------|---------------|------------|
| C1 | 69.69' | 6871.02' | N77° 21' 34"W | 69.69' |



AECOM
5438 WADE PARK BOULEVARD
SUITE 200
RALEIGH, NC 27607
(919) 461-1100

TAYLOR WISEMAN & TAYLOR
ENGINEERS | SURVEYORS | SCIENTISTS
SUBSURFACE UTILITY ENGINEERS
2043 ENERGY DRIVE, APEX, NC 27502
PHONE (919) 297-0085 / FAX (919) 297-0080
NORTH CAROLINA LICENSE NUMBER F-3062



SURVEY EXHIBIT 'A'
TO THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION
BOWEN CLEANERS DSCA SITE ID DC740004
PROPERTY OF 4B LLC
PIN 4677-19-6379 / 2408 STANTONSBURG ROAD
GREENVILLE TOWNSHIP - PITT COUNTY - GREENVILLE, NC

REVISIONS: 09-23 - REVISED AREAS 'A' AND 'B'

| DATE OF SURVEY: | SCALE: |
|----------------------|----------|
| AUG. 30-SEP. 1, 2021 | 1" = 80' |

| Soil Boring | Northing | Easting | Ground Elevation |
|-------------|----------|-----------|------------------|
| HA-1 | 679364.7 | 2471459.1 | 70.52 |
| HA-2 | 679360.3 | 2471471.1 | 70.52 |
| HA-3 | 679357.3 | 2471456.9 | 67.53 |
| HA-4 | 679370.6 | 2471449.8 | 71.15 |
| HA-5 | 679371.8 | 2471441.8 | 71.15 |
| HA-6 | 679362.3 | 2471443.6 | 71.15 |
| HA-7 | 679350.8 | 2471460.5 | 70.52 |
| HA-8 | 679321.1 | 2471449.1 | 71.15 |
| HA-9 | 679375.5 | 2471432.1 | 71.15 |
| HA-10 | 679339.7 | 2471510.3 | 70.52 |
| HA-1(LAW) | 679367.4 | 2471468.7 | 71.15 |
| HA-2(LAW) | 679372.0 | 2471456.7 | 71.15 |

EXHIBIT B
PROPERTY LEGAL DESCRIPTION

Lying and being situated in Pitt County, North Carolina, and being more particularly described as follows:

BEING all of Lots 1 and 2 as shown on a map entitled "Stanton Square" recorded in Map Book 58, Pages 114 and 114-A of the Pitt County Registry and shown on Rivers and Associates, Inc. Drawing E-212-B dated October 18, 2004. entitled "ALTA/ASCM Land Title Survey for 4B, LLC Lots 1 and 2 Stanton Square Shopping Center."

Together with easements, covenants, and all other rights and benefits appurtenant to the aforesaid real property as set forth in that certain Reciprocal Easement and Operation Agreement for Stanton Square between Pentagon Properties, II and Clear-View Opticians dated January 23, 1990, and recorded January 24, 1990 in Book 253, Page 595, Pitt County Registry.

Together with a 20 foot Sanitary Sewer Easement and a 20 foot Drainage Easement appurtenant to the aforesaid real property as shown on Plat Book 28, Page 209, Pitt County Registry.

Together with ingress/egress easements appurtenant to the aforesaid real property as shown on Plat Book 34, Page 65, Pitt County Registry.

APPENDIX D
EXAMPLE ANNUAL CERTIFICATION OF
LAND USE RESTRICTIONS

Annual Certification of Land-Use Restrictions

Site Name: **Bowen Cleaners**
Site Address: 2480 Stantonsburg Road, Greenville, Pitt County, North Carolina
DSCA Site ID: DC740004

ANNUAL CERTIFICIATION of LAND-USE RESTRICTIONS

Pursuant to Condition in the Notice of Dry-Cleaning Solvent Remediation (Notice) signed by Representative of 4B LLC and recorded in Deed Book <blank>, Page <blank> on <date> at the <blank> County Register of Deeds Office, the Representative of 4B LLC 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 Pitt County Register of Deeds office and the land-use restrictions therein are being complied with.

Duly executed this _____ day of _____, 20__.

Representative of 4B LLC

By: _____

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]



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

MICHAEL SCOTT
Director

<date>

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

Subj: Annual Certification of Land-Use Restrictions
Bowen Cleaners, 2480 Stantonsburg Road
Greenville, Pitt County, North Carolina
DSCA Site ID DC740004

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 of the Notice by submitting to DEQ a notarized Annual Certification of Land-Use Restrictions certifying that the Notice remains recorded at the Pitt 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/Scott Stupak
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 violation of a land-use restriction shall be liable for remediation of all contaminants to unrestricted use standards.



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 concerning these documents or the site, please contact me at (919) 707-8359 or via email at scott.stupak@ncdenr.gov.

Sincerely,

Scott Stupak, Project Manager
DSCA Remediation Unit
Superfund Section
Division of Waste Management

Attachments: Annual Certification of Land-Use Restrictions form

Cc: DSCA Site ID DC740004 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 E
EXAMPLE DOCUMENTS ANNOUNCING
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**

Bowen Cleaners
DSCA Site ID DC740004

Pursuant to N.C.G.S. §143-215.104L, on behalf of William C. Bowen Companies, 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.

Bowen Cleaners formerly conducted dry-cleaning operations at the Stanton Square Shopping Center at 2480 Stantonsburg Road, in Greenville, North Carolina. The property is currently occupied by Bowen Cleaners as a drop off/pickup facility. Dry-cleaning solvent contamination in soil and/or groundwater has been identified at the following parcel(s):

2480 Stantonsburg Road, in Greenville, NC; NC PIN 4677196379

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 deq.nc.gov/ncdsca under "DSCA Public Notices and 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 Scott Stupak at (919) 707-8359.

All comments and requests should be sent to:

Scott Stupak, DSCA Remediation Unit
Division of Waste Management, NCDEQ
1646 Mail Service Center
Raleigh, North Carolina 27699-1646



ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

MICHAEL SCOTT
Director

<Date>

<name>, <City Manager/County Health Director>
<address>
<city>, NC <zip>

Subj: Remediation of Dry-Cleaning Solvent Contamination
DSCA Site ID DC740004
Bowen Cleaners, 2480 Stantonsburg Road, Greenville, NC

Dear <name>:

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. If you would like to view the documents, please go to deq.nc.gov/ncdsca and select "DSCA Public Notices and Announcements" on the right-hand side of the web page.

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:

Scott Stupak, DSCA Remediation Unit
Division of Waste Management, NCDEQ
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

A Summary of the NOI is being published in the <newspaper of general circulation>, 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.



If you have any questions, please feel free to contact me at (919)707-8359.

Sincerely,
[SIGNATURE]
Your Name, DSCA Project Manager
Division of Waste Management, NCDEQ

cc: DSCA Site ID DC740004 File



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 Bowen Cleaners, 2480 Stantonsburg Road, Greenville, NC, Pitt County, NC DSCA ID DC740004

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 Bowen Cleaners at 2480 Stantonsburg Road in Greenville. 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 and wish to view this document, we ask that you contact us to request a hard copy of the complete NOI.

If you have questions, please contact me at <DSCA PM email address> or (919) 707-8359.

Sincerely,

[SIGNATURE]

Scott Stupak, DSCA Project Manager

Division of Waste Management, NCDEQ

Attachments: Summary of the NOI

cc: DSCA Site ID DC740004 File

