

Risk Management Plan
Quail Dry Cleaners
DSCA ID No. 60-0007
8538 Park Road
Charlotte, Mecklenburg County
North Carolina Dry-Cleaning
Solvent Cleanup Act Program

H&H Job No. DS0-29D

June 16, 2011



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Table of Contents

1.0 Introduction.....	1
2.0 RMP Objectives	1
3.0 Summary of Approved Risk Assessment Report.....	2
4.0 RAP Components.....	3
4.1 Summary of Prior Assessment	3
4.2 Remedial Action.....	6
5.0 Data Collected During RMP Implementation.....	9
6.0 Land-Use Restrictions	9
7.0 Long-Term Stewardship Plan.....	9
8.0 RMP Implementation Schedule.....	10
9.0 Criteria for Demonstration of RMP Success.....	10
10.0 Contingency Plan if RMP Fails	11
11.0 Conclusions and Recommendations.....	11

List of Figures

Figure 1	Site Location Map
Figure 2	Site Map

List of Appendices

Appendix A	Documentation of Plume Stability Evaluation
Appendix B	Level 1 Ecological Risk Assessment Checklists
Appendix C	Notice of Dry-Cleaning Solvent Remediation
Appendix D	Example Annual DSCA Land-Use Restrictions Certification
Appendix E	Example Documents Announcing the Public Comment Period

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1.0 Introduction

Hart & Hickman, PC (H&H) has prepared this Risk Management Plan (RMP) to address dry-cleaning solvent contamination associated with the Quail Dry Cleaners site (DSCA Site #60-0007) on behalf of the North Carolina Department of Environment and Natural Resources (NCDENR) Dry-Cleaning Solvent Cleanup Act (DSCA) Program. This RMP is intended to comply with the requirements of DSCA (N.C.G.S. 143-215.104A *et seqs*) and promulgated rules and follows the outline provided in the DSCA Program's risk-based corrective action (RBCA) guidance.

The Quail Dry Cleaners facility is located at 8538 Park Road within the Quail Corners Shopping Center (8500 Park Road) in Charlotte, Mecklenburg County, North Carolina. Active dry-cleaning operations were conducted at the facility between 1983 and 1998. Currently, Quail Dry Cleaners is a drop-off/pick-up store only. The property on which Quail Dry Cleaners is located includes three tax parcels. All three parcels are recorded as one parcel under the ownership of Quail Corners Associates, LLC in the Mecklenburg County Register of Deeds. Quail Corners Shopping Center is located on the largest of the three parcels, and the two smaller out-parcels are leased parcels. A site location map is included as Figure 1. The parcels are shown in Figure 2.

2.0 RMP Objectives

H&H submitted an Updated Tier 1 Risk Assessment dated April 13, 2011 to the DSCA Program documenting a risk assessment evaluation of contamination at the site. The results of the Tier 1 risk assessment indicate that site-wide risks do not exceed target risk levels. However, the evaluation was based on site-specific land-use conditions that require an RMP. As such, the

objective of this RMP is to ensure that those site specific land-use conditions remain valid in the future.

3.0 Summary of Approved Risk Assessment Report

H&H submitted an Updated Tier 1 Risk Assessment dated April 13, 2011 to the DSCA Program documenting a risk assessment evaluation of contamination associated with the site. The Tier 1 risk assessment evaluation included the development of an exposure model that included a single on-site exposure unit. The model accounted for potential exposure pathways within the exposure unit. Specifically, the exposure model consisted of the following complete exposure pathways:

- On-Site Non-Residential Worker – Current and Future Conditions - Groundwater (First Encountered Zone) - Indoor Inhalation of Vapor Emissions
- On-Site Non-Residential Worker – Current and Future Conditions - Groundwater (First Encountered Zone) - Outdoor Inhalation of Vapor Emissions
- On-Site Construction Worker – Soil Up to Depth of Construction – Combined Pathway
- On-Site Construction Worker – Groundwater (First Encountered Zone) - Outdoor Inhalation of Vapor Emissions.

Concentrations of PCE have been detected in indoor air inside the facility and adjacent commercial tenant spaces located at the site. However, indoor air assessment activities indicate the indoor air PCE concentrations are attributable to PCE off-gassing from dry-cleaned garments in the Quail Dry Cleaners unit and communication of ambient air between tenant spaces. Thus, the Indoor Air – Indoor Inhalation of Indoor Air and Sub-slab Vapor – Indoor Inhalation of Vapor exposure pathways were not evaluated in the Tier 1 Risk Assessment. A summary of the vapor intrusion assessment activities is included in Section 4.1.

For each complete pathway, representative concentrations (RCs) of detected contaminants in groundwater were calculated and compared with Tier 1 Risk-Based Screening Levels (RBSLs) established by the DSCA Program. There were no exceedances of Tier 1 RBSLs identified.

In addition to the complete pathways, the Tier 1 risk assessment included an evaluation of the protection of groundwater use pathway. For this pathway, soil and groundwater source areas were identified and RCs of compounds detected in the source areas were calculated. A hypothetical point-of-exposure (POE) for the nearest possible future location of a water supply well was identified approximately 565 feet west and downgradient of the soil source area and 329 feet west and downgradient of the groundwater source area at the downgradient parcel boundary. Tier 1 RBSLs for the protection of groundwater use pathway were obtained from Tables 7-1(d) and (e) of the DSCA Risk-Based Corrective Action guidance document. There were no exceedances of Tier 1 RBSLs by the source soil or groundwater RCs.

Aside from several man-made ponds in the vicinity of the site, the nearest surface water body is McMullen Creek located approximately 1,900 feet east (up/cross-gradient) of the groundwater source area. There are no other streams located within a one-half mile radius of the site, and the groundwater contamination plume does not appear to extend off the site property. Thus, the protection of surface water pathway is not complete and was not included in the risk assessment evaluation.

Based on the results of the Tier 1 evaluation and the vapor intrusion assessment, H&H concluded that the contamination associated with the site did not pose an unacceptable risk and recommended site closure in accordance with the DSCA Program's risk-based rules.

4.0 RAP Components

4.1 Summary of Prior Assessment

According to the Petitioner Questionnaire, the site building currently occupied by Quail Dry Cleaning was utilized for on-site dry-cleaning operations from 1983 to 1998 and a dry-cleaning pick-up and drop-off location from 1998 to present. The questionnaire indicates that the facility was originally operated under the name Jones Dry Cleaning. The date that operations under the Quail Dry Cleaning name began is not known. The site is located in a moderately populated area consisting primarily of residential, office, and industrial properties. The site property is an

approximately 12-acre parcel of land containing an approximately 120,000-square foot commercial strip shopping center that was constructed in 1983. The structure on the site is currently occupied by commercial businesses. As described in Section 1.0, the property on which Quail Dry Cleaners is located includes three separate tax parcels. All three parcels are recorded as one parcel under the ownership of Quail Corners Associates, LLC in the Mecklenburg County Register of Deeds. Quail Corners Shopping Center is located on the largest of the three parcels, and the two smaller out-parcels are leased parcels. The parcels are shown in Figure 2.

According to the December 1998 Law Engineering and Environmental Services, Inc., (Law) Comprehensive Site Assessment/Corrective Action Plan (CSA/CAP), soils impacted with tetrachloroethylene (PCE) were discovered in August 1997 during limited soil sampling conducted by Law in conjunction with a Phase I Environmental Site Assessment (ESA). Subsequently, additional soil sampling was conducted during November 1997 and May 1998 to evaluate the horizontal and vertical extents of impacted soils and monitoring wells MW-1 through MW-6 were installed during two 1998 mobilizations to the site. During July 1998, approximately 13 cubic yards of PCE-impacted soil were excavated from beneath the concrete slab of the dry cleaner facility. The excavation was limited to a depth of approximately 2 feet below the slab due to the presence of partially weathered rock that caused refusal of the excavation equipment. Confirmation soil samples collected from the sidewalls and floor of the excavation area indicated concentrations of PCE ranging from non-detect (<0.005 mg/kg) to 0.072 mg/kg. In the 1998 CSA/CAP report, Law recommended monitored natural attenuation (MNA) of the groundwater plume. During the period between submission of the 1998 Law CSA/CAP and 2007, two additional monitoring wells (MW-7 and MW-8) were installed and seven site-wide groundwater monitoring events were conducted.

The site was certified into the DSCA Program on April 24, 2003. A letter dated May 20, 2004 from the DSCA Program to the petitioner (Mr. Jimmy Lee) indicated that the DSCA Program completed a review of previous site assessment information and completed a Prioritization Ranking Form (PRF) for the site. The letter indicated that no additional activities were

necessary to complete Prioritization Assessment (PA) of the site and that the site had been placed in the Lower Priority Category.

During July 2007, three additional monitoring wells (MW-9, MW-10, and MW-10D) were installed at the site to delineate the downgradient edges of the contamination plume. Monitoring well MW-11 was installed during November 2008 for risk assessment evaluation purposes. Since installation of all site monitoring wells (MW-1 through MW-11) was completed, H&H completed three comprehensive quarterly groundwater monitoring events to evaluate plume stability. H&H submitted a Groundwater Monitoring Report, dated June 30, 2009, documenting the groundwater monitoring events to the DSCA Program.

Between September 2009 and February 2011, H&H conducted vapor intrusion assessment activities at the site. The initial assessment activities, conducted between September 2009 and August 2010, included the collection of sub-slab vapor and indoor air samples from Quail Dry Cleaners and four commercial tenant spaces (two on either side of the Quail Dry Cleaners space). Analytical results of the sub-slab vapor sampling indicated that PCE was detected at concentrations that exceeded the EPA Regional Screening Level (RSL) in the samples collected beneath Quail Dry Cleaners and three of the commercial spaces. Results of the indoor air sampling indicated that PCE was detected at concentrations that exceeded the EPA RSL for industrial air in Quail Dry Cleaners (a known source) and two of the commercial spaces. Using the DSCA Indoor Air Risk Calculator, H&H calculated the cumulative risk to an industrial worker for each of the indoor air samples (except for the sample collected inside Quail Dry Cleaners since the compounds in indoor air there are considered fugitive emissions and not a contaminant 'release'). The cumulative risk exceeded 1×10^{-5} for three of four samples that were collected inside the adjacent tenant space at 8408 Park Road (occupied by Animal Artistry). The cumulative risk was less than 1×10^{-5} for each sample collected inside the other commercial spaces.

To further evaluate the indoor air results for the Animal Artistry space, H&H compared the sub-slab vapor data to the indoor air data to calculate attenuation factors across the slab. Typical conservative attenuation factors range from 10 to 100 (i.e., sub-slab concentration is 10 to 100

times higher than indoor air concentration). However, the calculated attenuation factors for Animal Artistry ranged from 1.3 to 7.2. The unusually low attenuation factors suggested that vapor intrusion was not likely the source of the indoor air impacts. H&H submitted a Vapor Intrusion Assessment Activities report dated September 15, 2010 to the DSCA Program documenting the findings of the indoor air assessment activities.

During February 2011, dry-cleaned garments were removed from the Quail Dry Cleaners unit and indoor air sampling was conducted inside the Quail Dry Cleaners and Animal Artistry spaces in an effort to determine if fugitive emissions from dry-cleaned garments in the operating Quail Dry Cleaners pick-up/drop-off store were contributing to the indoor air impacts inside the Animal Artistry space. The analytical results for the indoor air samples indicated a substantial reduction in PCE concentrations following removal of the dry-cleaned garments. The PCE concentration inside Quail Cleaners decreased from 560 $\mu\text{g}/\text{m}^3$ PCE (when dry-cleaned garments were inside the store) to 0.70 $\mu\text{g}/\text{m}^3$ (after removal of dry-cleaned garments from the space). PCE was not detected above laboratory reporting limits inside the Animal Artistry space after removal of dry-cleaned garments from Quail Cleaners. The results confirmed that PCE off-gassing from dry-cleaned garments in the Quail Cleaners unit and communication of ambient air between the spaces was responsible for indoor air PCE concentrations previously detected in the Animal Artistry unit. Under DSCA program statutes and governing rules, fugitive emissions from active dry-cleaning or off-gassing of dry-cleaning solvents from dry-cleaned garments are not defined as 'releases' and are therefore not addressed by the program. H&H submitted a Garment Removal & Indoor Air Assessment report dated March 1, 2011 to the DSCA Program documenting the findings of the assessment.

4.2 Remedial Action

According to the DSCA Program's RBCA guidance, no remedial action is necessary if four site conditions are met: the dissolved plume is stable or decreasing; the maximum concentration within the exposure domain for every complete exposure pathway of any constituent of concern

(COC) is less than ten times the RC of that COC; 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, there are no ecological concerns at the site. The subject site's compliance with these four conditions confirms that the contaminant concentrations are not likely to pose an unacceptable risk either at present or in the future. Land-use restrictions (LURs) and no remedial action are recommended for the site. Each of these conditions and their applicability to the subject site are summarized below.

Condition 1: The dissolved plume is stable or decreasing.

Groundwater monitoring has been conducted at the site since 1998. The wells with PCE detections above the 15A NCAC 2L Groundwater Standard (NCAC 2L Standard) have been sampled more than ten times, and a minimum of three groundwater sampling events have been completed for each site monitoring well. Constituents detected in groundwater samples collected from the site include 1,1-dichloroethane, 1,2-dichloroethane, bromodichloromethane, chloroform, chloromethane, PCE, toluene, and trichloroethylene (TCE). Only PCE and chloromethane have been detected above NCAC 2L Standards in monitoring wells at the site. The chloromethane exceedance was detected in a sample collected from MW-9 during July 2007 and was not detected above the NCAC 2L Standard in three samples collected from September 2008 through November 2009. Because MW-9 is located approximately 300 feet cross-gradient of the groundwater source area and chloromethane is not a compound commonly associated with dry-cleaning activities, the chloromethane detection is not likely attributable to the subject site. Therefore, H&H focused on PCE as the only constituent of concern (COC) for the site plume stability analysis.

PCE has been detected above the NCAC 2L Standard in samples collected from monitoring wells MW-1 and MW-7 during each sampling event except one for each (when a value of <0.001 mg/L was reported). Upgradient monitoring well MW-2 has contained very low concentrations of PCE (0.001 mg/L) during each of the last two sampling events conducted at the site. Previously, PCE has not been detected above the NCAC 2L Standard in MW-2 during twelve sampling events dating back to 1998. PCE was also detected above the NCAC 2L Standard in

two samples collected from monitoring well MW-3 during 1998. Twelve samples subsequently collected from MW-3 have not contained concentrations of PCE above laboratory reporting limits.

To evaluate plume stability, H&H prepared concentration versus distance graphs and concentration versus time graphs for PCE using data from monitoring wells MW-1, MW-2, and MW-7. As shown on the graphs in Appendix A, PCE concentrations appear to be stable or decreasing at the site. The recent detections in upgradient monitoring well MW-2 are extremely low and not expected to increase in the future. Based on this analysis, H&H concludes that the size of the plume is stable and confined to the site property and that the concentrations are generally decreasing. Documentation of the plume stability evaluation, including a figure showing monitoring well locations, a table showing historical groundwater analytical data, and a concentration versus distance graph are included in Appendix A.

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.

H&H calculated RCs of COCs for each complete exposure pathway during the Tier 1 Risk Assessment evaluations. The maximum concentration of each COC was less than ten times the respective RC.

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 conducted by H&H for the site assumed that usage of the site property will remain commercial/industrial and that groundwater from the site property will not be utilized in the future. As discussed in Section 6.0, LURs will be implemented for the site property to ensure that these assumptions remain valid.

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

H&H completed a Level 1 Ecological Risk Assessment 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 are included in Appendix B.

The site's compliance with the four above-referenced conditions indicates 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 LURs on the site property.

5.0 Data Collected During RMP Implementation

No further sampling or other data collection activities are proposed for the site. As such, this section is not applicable.

6.0 Land-Use Restrictions

The risk assessment for the site was based on assumptions that usage of the site property will remain commercial/industrial and that groundwater from the site property will not be utilized in the future. LURs will be implemented for the site property to ensure that the land-use conditions are maintained and monitored until LURs are no longer required for the site. A Notice of Dry-Cleaning Solvent Remediation (NDCSR) was prepared for the site to comply with the LUR requirement. The NDCSR is included in Appendix C. A plat showing the locations and types of dry-cleaning solvent contamination on the property is included as an exhibit to the NDCSR. The locations of dry-cleaning solvent contamination are where contaminants have been detected above unrestricted use standards. As discussed in Section 4.2, PCE in groundwater is the only COC remaining above unrestricted use standards.

7.0 Long-Term Stewardship Plan

The NDCSR contains a clause requiring the owner of the site to submit a notarized “Annual DSCA Land-Use Restrictions Certification” to NCDENR on an annual basis certifying that the NDCSR remains recorded with the Register of Deeds and that the land-use conditions have not changed. An example of such a notice is included in Appendix D. Documents relating to this site will be maintained by NCDENR and made available for public access.

8.0 RMP Implementation Schedule

Since potential exposure to impacts at the site will be managed through the NDCSR and LURs, no additional site remedial activities are required to implement the RMP. A 30-day public comment period will be held to allow the community an opportunity to comment on the proposed strategy. 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. Upon completion of the public comment period and final approval of the RMP, the NDCSR will be filed with the Mecklenburg County Register of Deeds and will complete the RMP schedule.

9.0 Criteria for Demonstration of RMP Success

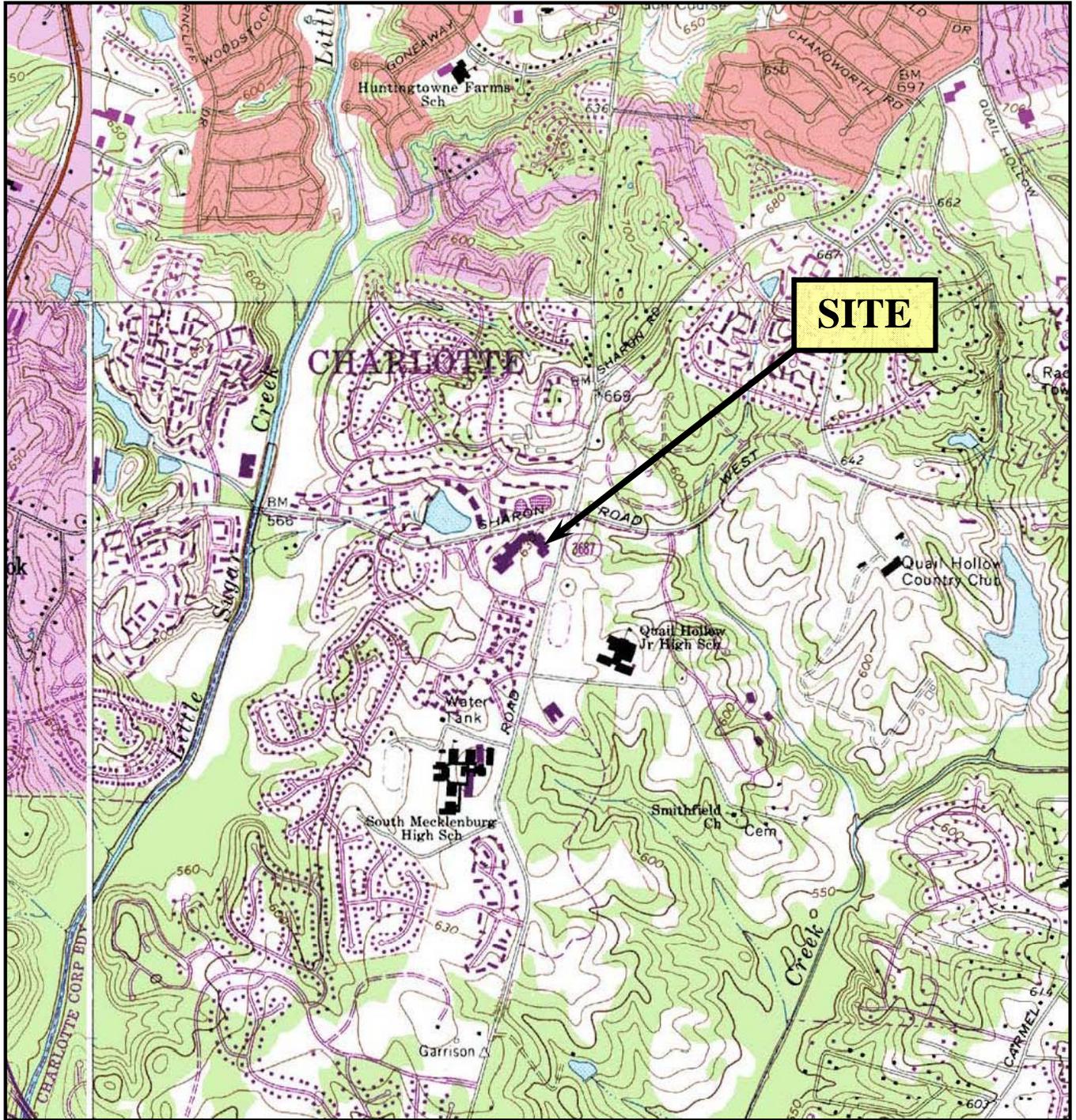
The RMP will be successfully implemented once the required LURs have been executed and recorded with the Mecklenburg County Register of Deeds. The NDCSR may, at the request of the property owner, be canceled by NCDENR after risk to public health and the environment associated with the dry-cleaning solvent contamination and any other contaminants included in the dry-cleaning solvent assessment and remediation agreement has been eliminated. If NCDENR is notified of a change in site conditions, per the notification requirements detailed in the NDCSR, the RMP will be reviewed to determine if the new site conditions have impacted the requirements set forth in the NDCSR and LURs, and if changes are required. Enforcement of the RMP will be maintained through receipt of the “Annual DSCA Land-Use Restrictions Certification” from the property owner as part of the NDCSR and LUR 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 site, per the notification requirements detailed in this plan, the LURs specified in the NDCSR will remain in effect. Pursuant to N.C.G.S. 143-215.104K, if any of the LURs set out in the NDCSR are violated, the owner of the site property at the time the LURs are violated, the owner's successors and assigns, and the owner's agents who 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

H&H has prepared this RMP for the site on behalf of the DSCA Program. The vapor intrusion and risk assessment results indicate that contaminant concentrations at the site do not pose an unacceptable risk. Groundwater concentrations detected at the site appear to be stable and decreasing. This RMP specifies that the NDCSR and LUR requirements provide notification that the land-use conditions observed during the risk assessment evaluation remain valid in the future. Based on the documentation contained in this report, H&H recommends issuance of a "No Further Action" letter.



APPROXIMATE SCALE IN FEET

U.S.G.S. QUADRANGLE MAP
CHARLOTTE EAST, NC 1967
PHOTOREVISED 1988
 QUADRANGLE
 7.5 MINUTE SERIES (TOPOGRAPHIC)

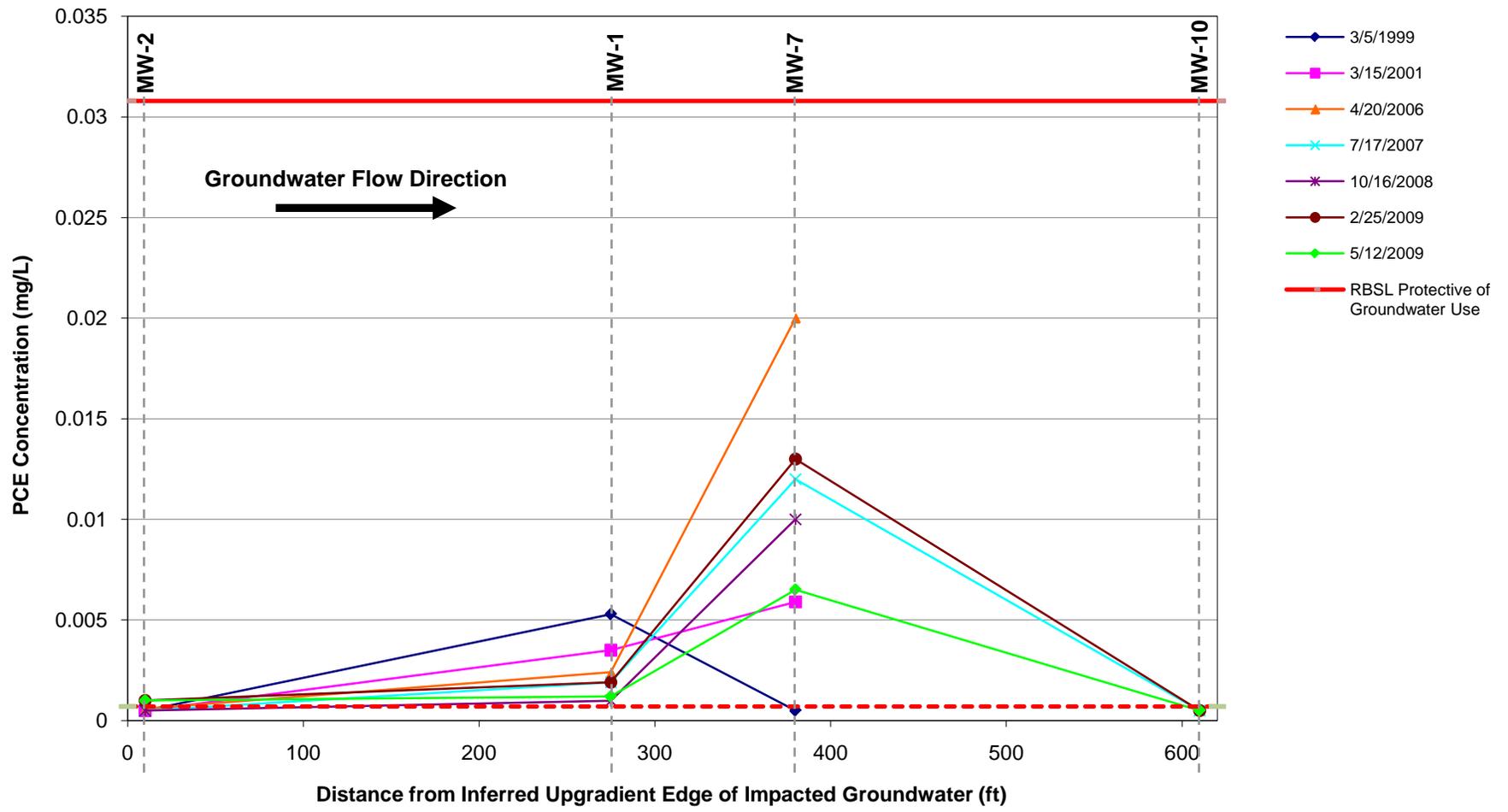
TITLE	SITE LOCATION MAP	
PROJECT	QUAIL DRY CLEANERS DSCA ID: 60-0007 8538 PARK ROAD CHARLOTTE, MECKLENBURG COUNTY	
	 2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007 (p) 704-586-0373 (f)	
DATE: 07-29-09	REVISION NO. 0	
JOB NO. DS0-29	FIGURE NO. 1	

Appendix A

Documentation of Plume Stability Evaluation

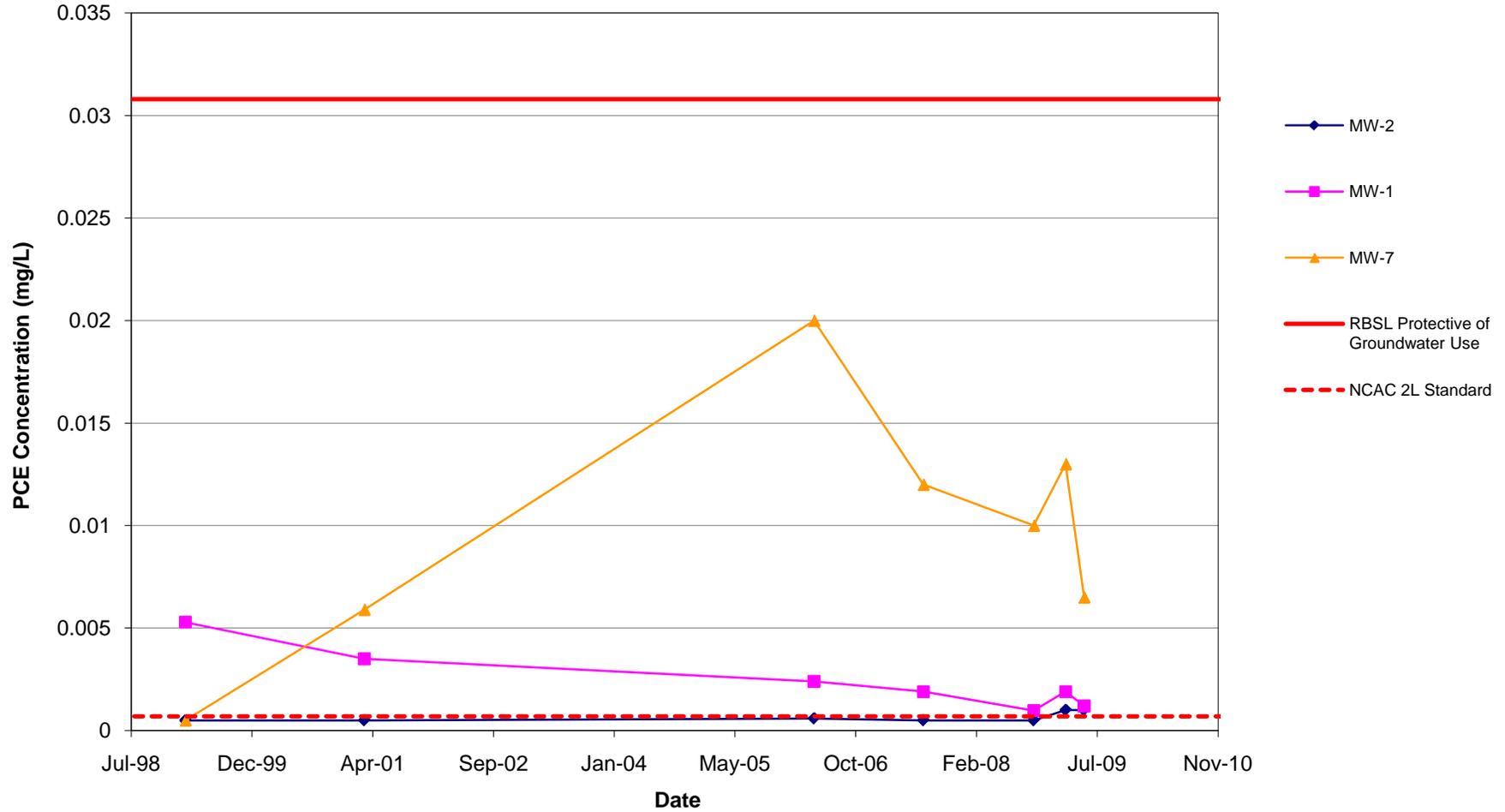
Hart & Hickman, PC

PCE Concentration vs. Distance Graph
Quail Dry Cleaners, Charlotte, NC
DSCA ID: 60-0007



Note: Non-detect values are plotted as half of the detection limit.

PCE Concentration vs. Time Graph
Quail Dry Cleaners, Charlotte, NC
DSCA ID: 60-0007



Note: Non-detect values are plotted as half of the detection limit.

Table 5: Analytical Data for Groundwater

ADT 5

DSCA ID No.: 60-0007

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Benzo(a)pyrene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)
		[mg/L]																			
MW-1	02/02/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0013	NA	NA	NA	NA	0.00337	NA	<0.001	<0.001	<0.002	NA
	05/21/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.0005	NA	NA	NA	NA	0.00605	NA	<0.001	<0.001	<0.002	NA
	07/30/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	NA	NA	NA	NA	0.016	NA	<0.001	<0.001	<0.005	NA
	03/05/99	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.000734	N/A	N/A	N/A	N/A	0.00529	N/A	N/A	N/A	N/A	N/A
	09/09/99	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.0005	NA	NA	NA	NA	0.00222	NA	<0.001	<0.001	<0.001	NA
	03/09/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0028	<0.001	NA	NA	NA	0.0037	NA	<0.001	<0.001	<0.005	NA
	09/11/00	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.0015	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A
	03/15/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0029	NA	NA	NA	NA	0.0035	NA	<0.001	<0.001	<0.001	NA
	09/12/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0031	NA	NA	NA	NA	0.0023	NA	<0.001	<0.001	<0.001	NA
	04/20/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	0.0024	<0.001	<0.002	<0.002	<0.002	<0.003
	07/17/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	0.0021	<0.001	<0.001	<0.001	<0.001	0.0019	<0.001	<0.001	<0.001	<0.001	<0.003
	10/17/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0011	<0.001	<0.001	<0.001	<0.001	0.00098J	<0.001	<0.002	<0.002	<0.002	<0.003
2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0015	<0.001	<0.001	<0.001	<0.001	0.0019	<0.001	<0.002	<0.002	<0.002	<0.003	
5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0012	<0.001	<0.001	<0.001	<0.001	0.0012	<0.001	<0.002	<0.002	<0.002	<0.003	
MW-2	02/02/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.039	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.002	NA
	05/21/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0352	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.002	NA
	07/30/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.034	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA
	03/05/99	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.0377	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A
	09/09/99	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0334	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA
	03/09/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.045	<0.001	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA
	09/11/00	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.037	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A
	03/15/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.017	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA
	09/12/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.029	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA
	04/20/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	0.025	<0.001	<0.001	<0.001	<0.001	0.00059J	<0.001	<0.002	<0.002	<0.002	<0.003
	07/16/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	0.026	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
	10/16/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.023	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.002	<0.002	<0.002	<0.003	
5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.025	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.002	<0.002	<0.002	<0.003	

Table 5: Analytical Data for Groundwater

ADT 5

DSCA ID No.: 60-0007

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Benzo(a)pyrene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	
		[mg/L]																				
MW-3	02/02/98	<0.001	<0.001	<0.001	<0.001	0.00105	<0.001	NA	NA	<0.001	0.0367	NA	NA	NA	NA	0.0011	NA	<0.001	<0.001	<0.002	NA	
	05/21/98	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	<0.005	0.0499	NA	NA	NA	NA	0.0011	NA	<0.005	<0.005	<0.01	NA	
	07/30/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.029	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA	
	03/05/99	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.00937	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A	
	09/09/99	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.00453	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	03/09/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.01	<0.001	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA	
	09/11/00	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.0069	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A	
	03/15/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.015	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	09/12/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.021	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	04/20/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	0.00097J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	07/16/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
	10/16/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.00075J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003	
5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.00077J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003	
MW-4	02/02/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0351	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.002	NA	
	05/21/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0433	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.002	NA	
	07/30/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.031	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA	
	03/05/99	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.00765	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A	
	09/09/99	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.00286	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	03/09/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0033	<0.001	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA	
	09/11/00	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.0015	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A	
	03/15/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0012	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	09/12/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.003	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	04/20/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	0.0058	<0.001	<0.001	<0.001	<0.001	0.00061J	<0.001	<0.002	<0.002	<0.002	<0.003	
	07/16/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
	10/16/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0086	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003	
5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003	

Table 5: Analytical Data for Groundwater

ADT 5

DSCA ID No.: 60-0007

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Benzo(a)pyrene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	
		[mg/L]																				
MW-5	07/30/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.011	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA	
	03/05/99	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.00717	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A	
	09/09/99	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.004	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	03/09/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.007	<0.001	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA	
	10/16/08	WELL COULD NOT BE LOCATED																				
MW-6	07/30/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA	
	03/05/99	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.0005	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A	
	09/09/99	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.0005	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	03/09/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	<0.001	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA	
	09/11/00	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A	
	03/15/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	09/12/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA	
	04/20/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	07/17/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
	10/17/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003	
5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003	
MW-7	03/05/99	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.00088	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A	
	09/09/99	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.0005	NA	NA	NA	NA	0.00105	NA	<0.001	<0.001	<0.001	NA	
	03/09/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0016	<0.001	NA	NA	NA	0.0043	NA	<0.001	<0.001	<0.005	NA	
	09/11/00	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.0012	N/A	N/A	N/A	N/A	0.0034	N/A	N/A	N/A	N/A	N/A	
	03/15/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0016	NA	NA	NA	NA	0.0059	NA	<0.001	<0.001	<0.001	NA	
	09/12/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0012	NA	NA	NA	NA	0.0052	NA	<0.001	<0.001	<0.001	NA	
	04/20/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	0.0037	<0.001	<0.001	<0.001	<0.001	0.02	<0.001	<0.002	<0.002	<0.002	<0.003	
	07/17/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	0.0027	<0.001	<0.001	<0.001	<0.001	0.012	<0.001	<0.001	<0.001	<0.001	<0.003	
	10/17/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.005	<0.001	<0.001	<0.001	<0.001	0.01	<0.001	<0.002	<0.002	<0.002	<0.003	
	2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0033	<0.001	<0.001	<0.001	<0.001	0.013	<0.001	<0.002	<0.002	<0.002	<0.003	
5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0019	<0.001	<0.001	<0.001	<0.001	0.0065	<0.001	<0.002	<0.002	<0.002	<0.003		

Table 5: Analytical Data for Groundwater

ADT 5

DSCA ID No.: 60-0007

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane (EDC)	Benzene	Benzo(a)pyrene	Carbon tetrachloride	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)
		[mg/L]																			
MW-8	03/05/99	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.00332	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A
	09/09/99	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0022	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA
	03/09/00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0035	<0.001	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.005	NA
	09/11/00	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	0.0017	N/A	N/A	N/A	N/A	<0.001	N/A	N/A	N/A	N/A	N/A
	03/15/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	0.0015	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA
	09/12/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	NA	<0.001	<0.001	NA	NA	NA	NA	<0.001	NA	<0.001	<0.001	<0.001	NA
	04/20/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	07/16/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	10/16/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.001	<0.001	<0.001	<0.001	<0.001	0.00054J	<0.001	<0.002	<0.002	<0.002	<0.003
5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.00096J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.003	
MW-9	07/23/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0017	<0.001	<0.003
	10/17/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
MW-10	07/23/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
	10/16/08	WELL DRY																			
	2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
	5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
MW-10D	07/23/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0019	<0.001	<0.001	<0.001	<0.003
	10/16/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
MW-11	10/16/08	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0045	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	2/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
	5/12/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA	<0.002	0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.003
NC 2L Standard	0.2	0.0002	NE	0.006	0.007	0.004	0.001	5x10 ⁻⁶	0.0003	0.07	0.07	0.6	0.02	0.006	0.0007	0.6	0.1	0.003	3x10 ⁻⁵	0.5	

Notes:

1. Bold concentration exceeds NC 2L Standard.
2. NA denotes Not Analyzed; NE denotes Not Established
3. J flag indicates estimated concentration below laboratory reporting limit and above method detection limit.

Table 5(1): Analytical Data for Groundwater (User Specified Chemicals)

ADT 5(1)

DSCA ID No.: 60-0007

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Bromodichloromethane	Chloromethane																	
		[mg/L]																		
MW-1	02/02/98	<0.001	<0.001																	
	05/21/98	<0.001	<0.001																	
	07/30/98	<0.001	<0.005																	
	03/05/99	<0.001	<0.001																	
	09/09/99	<0.001	<0.001																	
	03/09/00	<0.001	<0.005																	
	09/11/00	<0.001	N/A																	
	03/15/01	<0.001	<0.002																	
	09/12/01	<0.001	<0.002																	
	04/20/06	<0.001	<0.001																	
	07/17/07	<0.001	<0.001																	
	10/17/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
5/12/2009	<0.001	0.0012J																		
MW-2	02/02/98	<0.001	<0.001																	
	05/21/98	0.00376	<0.001																	
	07/30/98	0.004	<0.005																	
	03/05/99	<0.001	<0.001																	
	09/09/99	<0.001	<0.001																	
	03/09/00	<0.001	<0.005																	
	09/11/00	<0.001	N/A																	
	03/15/01	<0.001	<0.002																	
	09/12/01	<0.001	<0.002																	
	04/20/06	<0.001	<0.001																	
	07/16/07	<0.001	<0.001																	
	10/16/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
5/12/2009	<0.001	0.00081J																		

Table 5(1): Analytical Data for Groundwater (User Specified Chemicals)

ADT 5(1)

DSCA ID No.: 60-0007

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Bromodichloromethane	Chloromethane																	
		[mg/L]																		
MW-3	02/02/98	0.00527	<0.001																	
	05/21/98	0.00652	<0.001																	
	07/30/98	0.006	<0.005																	
	03/05/99	<0.001	<0.001																	
	09/09/99	<0.001	<0.001																	
	03/09/00	<0.001	<0.005																	
	09/11/00	<0.001	N/A																	
	03/15/01	<0.001	<0.002																	
	09/12/01	<0.001	<0.002																	
	04/20/06	<0.001	<0.001																	
	07/16/07	<0.001	<0.001																	
	10/16/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
5/12/2009	<0.001	<0.002																		
MW-4	02/02/98	0.00487	<0.001																	
	05/21/98	0.00586	<0.001																	
	07/30/98	0.004	<0.005																	
	03/05/99	<0.001	<0.001																	
	09/09/99	<0.001	<0.001																	
	03/09/00	<0.001	<0.005																	
	09/11/00	<0.001	N/A																	
	03/15/01	<0.001	<0.002																	
	09/12/01	<0.001	<0.002																	
	04/20/06	<0.001	<0.001																	
	07/16/07	<0.001	<0.001																	
	10/16/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
5/12/2009	<0.001	<0.002																		

Table 5(1): Analytical Data for Groundwater (User Specified Chemicals)

ADT 5(1)

DSCA ID No.: 60-0007

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Bromodichloromethane	Chloromethane																	
		[mg/L]																		
MW-5	07/30/98	<0.001	<0.005																	
	03/05/99	<0.001	<0.001																	
	09/09/99	<0.001	<0.001																	
	03/09/00	<0.001	<0.005																	
	10/16/08	WELL COULD NOT BE LOCATED																		
MW-6	07/30/98	<0.001	<0.005																	
	03/05/99	<0.001	<0.001																	
	09/09/99	<0.001	<0.001																	
	03/09/00	<0.001	<0.005																	
	09/11/00	<0.001	N/A																	
	03/15/01	<0.001	<0.002																	
	09/12/01	<0.001	<0.002																	
	04/20/06	<0.001	<0.001																	
	07/17/07	<0.001	<0.001																	
	10/17/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
5/12/2009	<0.001	0.00062																		
MW-7	03/05/99	<0.001	<0.001																	
	09/09/99	<0.001	<0.001																	
	03/09/00	<0.001	<0.005																	
	09/11/00	<0.001	N/A																	
	03/15/01	<0.001	<0.002																	
	09/12/01	<0.001	<0.002																	
	04/20/06	<0.001	<0.001																	
	07/17/07	<0.001	<0.001																	
	10/17/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
	5/12/2009	<0.001	<0.002																	

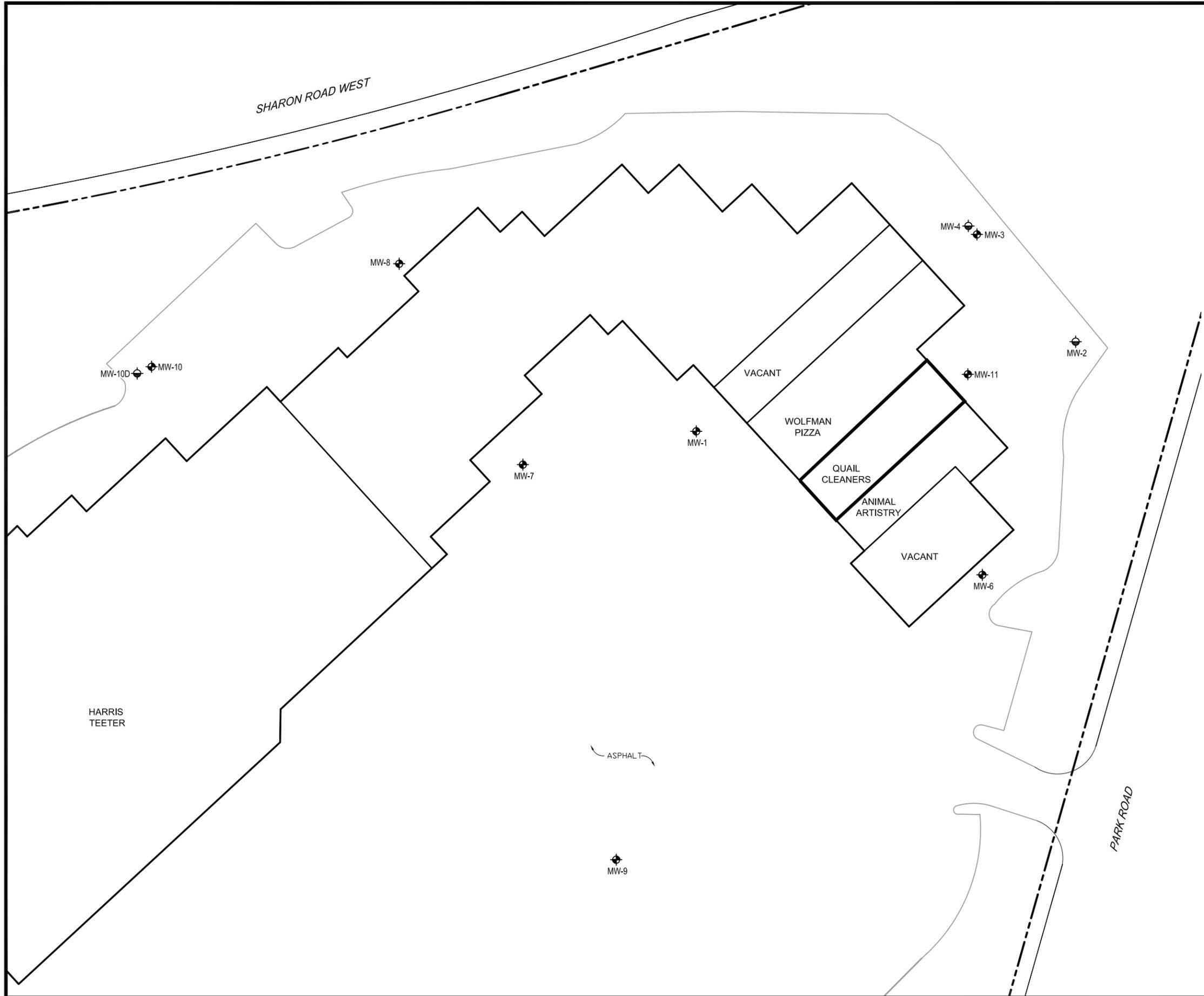
Table 5(1): Analytical Data for Groundwater (User Specified Chemicals)

ADT 5(1)

DSCA ID No.: 60-0007

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Bromodichloromethane	Chloromethane																	
		[mg/L]																		
MW-8	03/05/99	<0.001	<0.001																	
	09/09/99	<0.001	<0.001																	
	03/09/00	<0.001	<0.005																	
	09/11/00	<0.001	N/A																	
	03/15/01	<0.001	<0.002																	
	09/12/01	<0.001	<0.002																	
	04/20/06	<0.001	<0.001																	
	07/16/07	<0.001	<0.001																	
	10/16/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
	5/12/2009	<0.001	<0.002																	
MW-9	07/23/07	<0.001	0.0038																	
	10/17/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
	5/12/2009	<0.001	0.0011J																	
MW-10	07/23/07	<0.001	0.0014																	
	10/16/08	WELL DRY																		
	2/25/2009	<0.001	<0.002																	
	5/12/2009	<0.001	<0.002																	
MW-10D	07/23/07	<0.001	<0.001																	
	10/16/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
	5/12/2009	<0.001	<0.002																	
MW-11	10/16/08	<0.001	<0.002																	
	2/25/2009	<0.001	<0.002																	
	5/12/2009	<0.001	<0.002																	
NC 2L Standard	0.0006	0.003																		

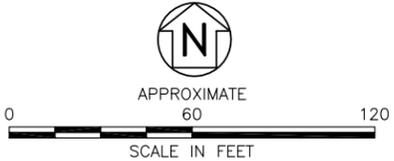
- Notes:
1. Bold concentration exceeds NC 2L Standard.
 2. NA denotes Not Analyzed; NE denotes Not Established
 3. J flag indicates estimated concentration below laboratory reporting limit and above method detection limit.



LEGEND

- PROPERTY BOUNDARY
- ==== QUAIL CLEANERS FACILITY
- BUILDING
- ⊕ MONITORING WELL
- ⊕ DEEP MONITORING WELL

NOTE
 MAP IS BASED ON PROFESSIONAL SURVEY
 CONDUCTED BY TAYLOR WISEMAN & TAYLOR IN
 MARCH 2009.



TITLE		SITE MAP	
PROJECT		QUAIL DRY CLEANERS DSCA ID NO. 60-0007 8538 PARK ROAD CHARLOTTE, MECKLENBURG COUNTY	
		2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007(p) 704-586-0373(f)	
DATE: 06/29/09	REVISION NO. 0		
JOB NO. DS0-29	ATTACHMENT NO. 4		

Appendix B

Level 1 Ecological Risk Assessment Checklists

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

Site / Location: 8538 Park Road, Charlotte, Mecklenburg County

H&H Project No.: DS0-29

DSCA Site ID: 60-0007

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

Yes, un-named perennial tributary of McMullen Creek is located 1900-feet east of the subject property. McMullen creek joins with McAlpine Creek, which joins with Sugar Creek, eventually emptying to the Catawba River.

A pond northeast of the subject property discharges to an un-named ephemeral creek of Little Sugar Creek. Little Sugar Creek joins with Sugar Creek which eventually empties to the Catawba River.

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

Yes, McMullen Creek is located 1900-feet east of the subject property and three man-made ponds are located north of the subject property. Additionally, aerial photography from 2007 shows a large man-made pond to the east, but field observations were not possible.

3. Are there any wetland¹ areas such as marshes or swamps on or within one-half mile of the site?

Yes, according to the National Wetlands Inventory three man-made ponds located north of the subject property. This was confirmed with field observations.

4. Are there any sensitive environmental areas² on or within one-half mile of the site?

No, a search of the NC Natural Heritage Program's records did not indicate any Significant Natural Heritage Areas within 2 miles of the site. None were identified during the site visit.

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

No, a search of the National Park Service's Native American Consultation Database did not indicate local tribal areas.

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

Not likely. The streams in the area lack sufficient vegetative buffer to provide habitat for the Carolina Heelsplitter (*Lasmigona decorate*). Additionally, surface runoff into the tributaries from residential and commercial properties would have severely impaired the water quality.

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

Not likely. Migratory species were not observed in the area during the site visit or utilizing the man-made ponds. The ponds lack a vegetative buffer to provide cover for migratory birds to utilize the ponds. Additionally, the surrounding area is completely developed with residential and commercial properties including schools and a golf course. No remnant habitats remain in the area for migratory species to utilize.

8. Are there any ecologically³, recreationally, or commercially important species on or within one-half mile of the site

Not likely, the surrounding area is completely developed with residential and commercial properties including schools and a golf course. No remnant habitats remain in the area.

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

Not likely. The US Fish and Wildlife Service lists 5 protected species for Mecklenburg County. The NC Natural Heritage Program database for the Charlotte East, NC USGS topographic map only showed a historic presence of the Carolina heelsplitter (*Lasmigona decorate*). However, the streams in the area lack sufficient vegetative buffer to provide habitat for the Carolina Heelsplitter.

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

¹Wetlands 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.

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

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

**Level 1 Ecological Risk Assessment
Checklist B for Potential Exposure Pathways**

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

Yes. The primary constituent of concern is tetrachloroethylene (PCE). Based on published references (EPA, 2006), PCE is leachable to ground water and is slightly soluble in groundwater. Furthermore, impacted groundwater has been confirmed at the site.

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

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

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

Unlikely. The primary ecological receptor habitats associated with the site are three man-made ponds located north (hydraulically upgradient) of the site. The extent of PCE contamination in groundwater appears to be delineated to NC 2L Standards at the site and does not extend beyond the site property boundary.

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

Unlikely. As discussed above, the extent of PCE contamination in groundwater appears to be delineated to NC 2L Standards at the site and does not extend beyond the site property boundary.

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

Yes. Surface soil impacts have been detected at the site; however, the impacted soils are covered by buildings and/or concrete/asphalt.

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

No. The area with impacted surface soil is covered by a building. The building is surrounded by concrete and/or asphalt cover.

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

No. The area with impacted soil is covered by a building. The building is

surrounded by concrete and/or asphalt cover.

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

No. Surface soil impacts have been detected at the site; however, the impacted soils are covered by buildings and/or concrete/asphalt.

3B. Are potential ecological receptors on the site?

No.

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

No. Soils in the impacted area are not exposed to the surface and it is not likely that contaminated ground water extends off the site property.

4A. Are chemicals on the site volatile?

Yes. PCE is a volatile compound.

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

No. Impacted soil and groundwater at the site is not exposed to the surface.

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

No. Impacted soil and groundwater at the site are not exposed to the surface.

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

No. NAPL has not been encountered at the site.

5B. Is NAPL migrating?

No. NAPL has not been encountered at the site.

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

No. NAPL has not been encountered at the site.

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

No. NAPL has not been encountered at the site.

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

Yes. Surface soil impacts have been detected at the site. The impacted area is covered by a building.

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

No. Surface soil impacts have been detected at the site; however, the impacted area is covered by a building.

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

Yes. It is possible that wildlife feed on the site's vegetation.

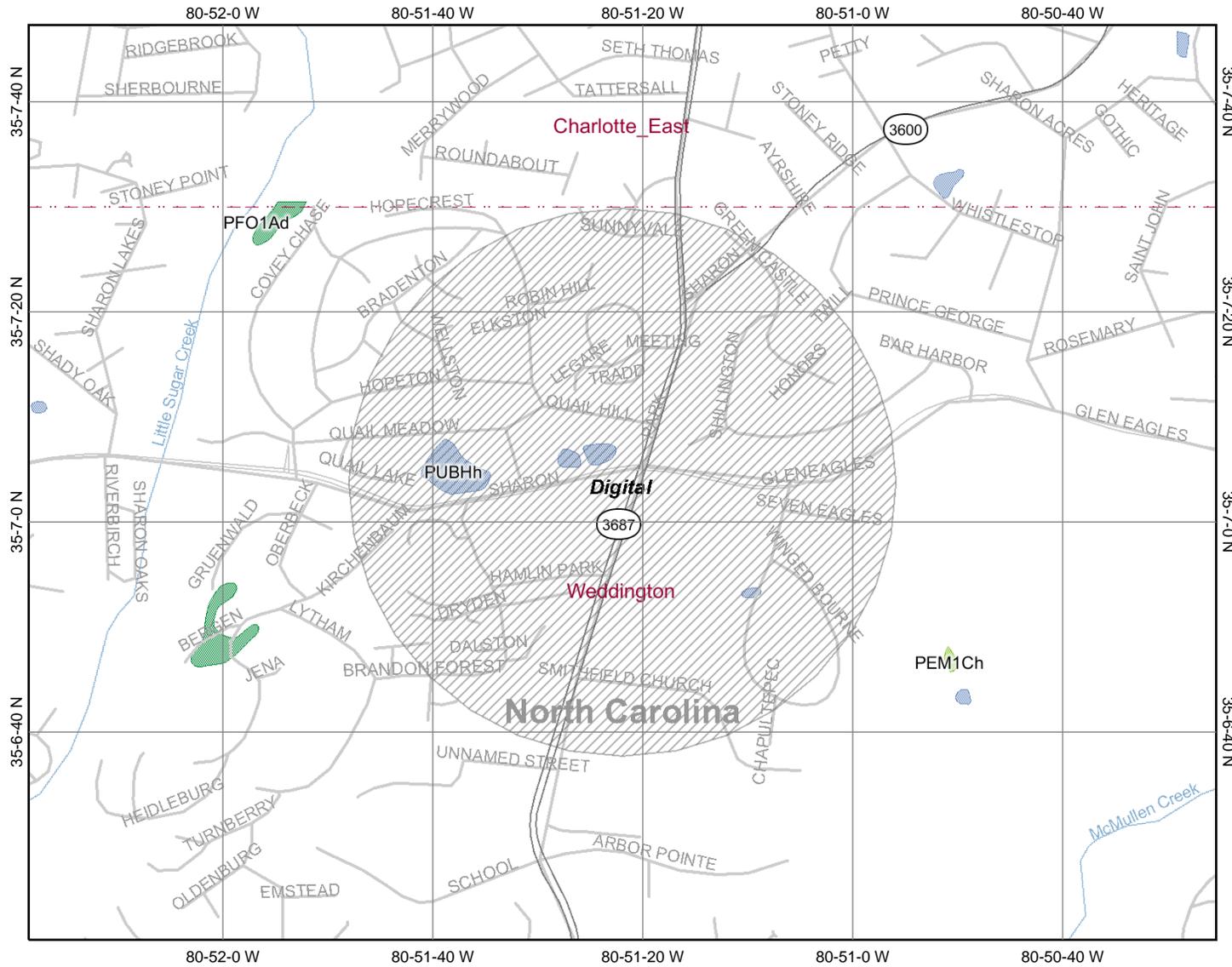
6D. Do chemicals found on the site bioaccumulate?

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

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

No. Surface soil impacts have been detected at the site; however, the impacted area is covered by a building.

Quail Cleaners Wetlands Map



Legend

Ohio_wet_scan

- 0
- 1
- Out of range

Interstate

Major Roads

- Other Road
- Interstate
- State highway
- US highway

Roads

- Cities

USGS Quad Index 24K

Lower 48 Wetland Polygons

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

Lower 48 Available Wetland Data

- Non-Digital
- Digital
- No Data
- Scan

NHD Streams

Counties 100K

States 100K

South America

North America

Scale: 1:18,831

Map center: 35° 7' 4" N, 80° 51' 22" W

Notes: Grey area represents .5-miles

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

U.S. Fish & Wildlife Service

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

Mecklenburg County, North Carolina



Updated: 01-31-2008

Common Name	Scientific name	Federal Status	Record Status
Vertebrate:			
American eel	<i>Anguilla rostrata</i>	FSC	Current
Bald eagle	<i>Haliaeetus leucocephalus</i>	BGPA	Current
Carolina darter	<i>Etheostoma collis collis</i>	FSC	Current
Invertebrate:			
Carolina creekshell	<i>Villosa vaughaniana</i>	FSC	Current
Carolina heelsplitter	<i>Lasmigona decorata</i>	E	Current
Vascular Plant:			
Dwarf aster	<i>Eurybia mirabilis</i>	FSC	Current
Georgia aster	<i>Symphotrichum georgianum</i>	C	Current
Michaux's sumac	<i>Rhus michauxii</i>	E	Current
Prairie birdsfoot-trefoil	<i>Lotus unifoliolatus</i> var. <i>helleri</i>	FSC	Current
Schweinitz's sunflower	<i>Helianthus schweinitzii</i>	E	Current
Shoals spiderlily	<i>Hymenocallis coronaria</i>	FSC	Probable/potential
Smooth coneflower	<i>Echinacea laevigata</i>	E	Current
Tall larkspur	<i>Delphinium exaltatum</i>	FSC	Historic
Nonvascular Plant:			
Lichen:			

Definitions of Federal Status Codes:

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

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

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

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

FSC = federal species of concern. A species under consideration for listing, for which there is insufficient information to support listing at this time. These species may or may not be listed in the future, and many of these species were formerly recognized as "C2" candidate species.

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

EXP = experimental population. A taxon listed as experimental (either essential or nonessential).

Experimental, nonessential populations of endangered species (e.g., red wolf) are treated as threatened species on public land, for consultation purposes, and as species proposed for listing on private land.

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

Bald and Golden Eagle Protection Act (BGPA):

In the July 9, 2007 Federal Register(72:37346-37372), the bald eagle was declared recovered, and removed (de-listed) from the Federal List of Threatened and Endangered wildlife. This delisting took effect August 8,2007. After delisting, the Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668-668d) becomes the primary law protecting bald eagles. The Eagle Act prohibits take of bald and golden eagles and provides a statutory definition of "take" that includes "disturb". The USFWS has developed National Bald Eagle Management Guidelines to provide guidance to land managers, landowners, and others as to how to avoid disturbing bald eagles. For mor information, visit <http://www.fws.gov/migratorybirds/baldeagle.htm>

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

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

Definitions of Record Status:

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

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

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

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

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

Appendix C

Notice of Dry-Cleaning Solvent Remediation

NOTICE OF DRY-CLEANING SOLVENT REMEDIATION

Property Owner: Quail Corners Associates, 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 Quail Corners Associates, 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 8500 Park Road, Charlotte, Mecklenburg County, North Carolina, Parcel Identification Number (PIN) 20715301.

The Property is contaminated with dry-cleaning solvent, as defined in 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 Environment and Natural Resources, or its successor in function (hereinafter "DENR") 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 Quail Dry Cleaners (DSCA Site 60-0007) located at 8500 Park Road, Charlotte, in the Quail Corners shopping center. Dry-cleaning operations were conducted on the Property from approximately 1993 to 1998.

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 DENR'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 DENR 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 DENR, 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. The Property shall be used exclusively for retail, commercial or industrial purposes and related amenities (parking, landscape areas and walkways), and all other uses of the Property are prohibited except as approved in writing by DENR.**
- 2. Without prior written approval from DENR, 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.**
- 3. 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 DENR.**
- 4. No activities that cause or create a vapor intrusion risk (for example, construction of sub-grade structures that encounter contaminated soil or construction that places building users in close proximity to contaminated groundwater) may occur on the Property without prior approval of DENR.**
- 5. In January of each year, on or before January 31st, the owner of any portion of the Property shall submit a notarized Annual DSCA Land-Use Restrictions**

Certification to DENR certifying that this Notice remains recorded at the Register of Deeds' office, and that the Land-Use Restrictions are being complied with.

- 6. 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 DENR may be denied access to the Property for the purpose of conducting such activities.**
- 7. 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.**

EASEMENT (RIGHT OF ENTRY)

The property owner grants and conveys to DENR, its agents, contractors, and employees, and any person performing pollution remediation activities under the direction of DENR, 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 DENR 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 DENR 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 DENR 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 DENR (or its successor in function), or his/her delegate, shall be subject to enforcement by DENR 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 is sold, leased, conveyed or transferred, pursuant to NCGS § 143-215.104M the deed or other instrument of transfer shall contain in the description section, in no smaller type than that used in the body of the deed or instrument, a statement that the Property has been contaminated with dry-cleaning solvent and, if appropriate, cleaned up under the DSCA.

The Property Owner shall notify DENR at least fourteen (14) calendar days before the effective date of any conveyance, grant, gift, or other transfer, whole or in part, of the Owner's interest in the property, but such notification requirement does not apply with regard to the Property Owner's execution of a lease of any portion of the Property. This Notice shall include the name, business address and phone number of the transferee and the expected date of transfer.

PROPERTY OWNER SIGNATURE

IN WITNESS WHEREOF, Property Owner has caused this instrument to be duly executed this ___ day of _____, 20__.

Quail Corners Associates, LLC

By:

Name of contact

NORTH CAROLINA
_____ COUNTY

I, _____, a Notary Public of the county and state aforesaid, certify that _____ personally came before me this day and acknowledged that he/she is a Member of Quail Corners Associates, 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 Environment and Natural Resources

By: _____ Date _____
Jack Butler, Chief
Superfund Section
Division of Waste Management

LIMITED POWER OF ATTORNEY

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

DENR and DENR’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 NORTH CAROLINA
COUNTY OF _____

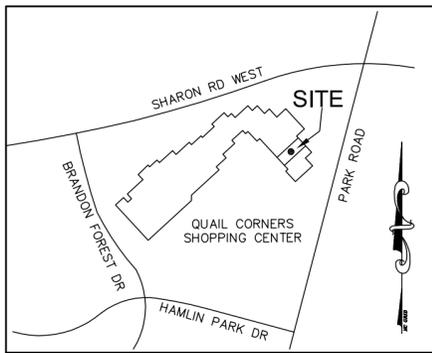
I, _____, a Notary Public, do hereby certify that _____ personally appeared before me this day and signed this “Limited Power of Attorney”.

WITNESS my hand and official stamp or seal, this ____ day of _____, 20__.

Name typed or printed
Notary Public

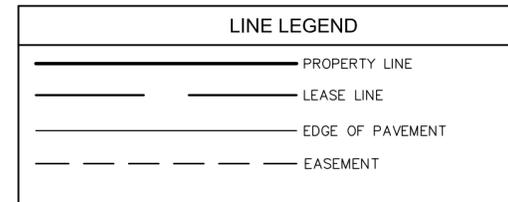
My Commission expires: _____
[Stamp/Seal]

EXHIBIT A
REDUCTION OF SURVEY PLAT



- ABBREVIATIONS:**
- CF COMBINED FACTOR
 - DB DEED BOOK
 - IRF IRON ROD FOUND
 - IRS IRON ROD SET
 - PB PLAT BOOK
 - PG PAGE
 - R/W RIGHT-OF-WAY
 - TOC TOP OF CASING (INSIDE WELL)
 - TOW TOP OF WELL

CURVE TABLE				DEED CURVE TABLE		
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD	CHORD BEARING	CHORD
C1	149.28	754.84	N80°55'08"W	149.04	N80°30'10"W	157.58
C2	25.75	20.00	S47°35'56"E	24.01	S49°29'01"W	24.07
C3	160.29	330.85	N28°28'59"W	158.73	N25°52'58"W	153.31
C4	284.94	745.00	S28°20'56"E	283.20	N30°38'14"W/N30°38'14"W	224.35/59.91
C5	34.88	737.58	S11°52'34"E	34.87	N12°10'40"W	35.00
C6	55.90	35.50	S34°10'36"W	50.30	N34°17'33"E	50.30
C7	292.88	2910.29	N76°29'25"E	292.75	N76°31'07"E	292.72
C8	210.68	1084.50	S79°11'34"W	210.35	N79°12'21"E	210.45



SURVEY NOTES

- THE PURPOSE OF THIS PLAT IS TO DISPLAY (1) THE LOCATIONS AND DIMENSIONS OF THE AREAS OF POTENTIAL ENVIRONMENTAL CONCERN WITH RESPECT TO SURVEYED BENCHMARKS AND (2) THE TYPE, LOCATION AND QUANTITY OF REGULATED SUBSTANCES AND CONTAMINANTS KNOWN TO EXIST ON THIS NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (NCDENR) DRY-CLEANING SOLVENT CLEANUP ACT (DSCA) PROGRAM SITE.
- THE AREAS AND TYPES OF CONTAMINATION DEPICTED HEREON ARE APPROXIMATIONS DERIVED FROM THE BEST AVAILABLE INFORMATION AT THE TIME OF FILING. THIS INFORMATION WAS SUPPLIED TO ME BY HART & HICKMAN, PC.
- ALL BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE BASED UPON THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 83 (NSRS2007), WITH NAVD 88 ELEVATIONS, PER A GPS SURVEY PERFORMED UNDER MY SUPERVISION ON MARCH 16, 2009. THE N. C. STATE PLANE COORDINATES SHOWN FOR CONTROL POINTS #101 AND #102 WERE ESTABLISHED UTILIZING GLOBAL POSITIONING SYSTEMS (GPS) IN CONJUNCTION WITH THE NORTH CAROLINA GEODETIC SURVEY'S VIRTUAL REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE STATIONS (CORS). COORDINATES SHOWN FOR THE MONITORING WELLS ARE LOCALIZED ABOUT CONTROL POINT #101. ALL MEASUREMENTS SHOWN HEREON ARE REPORTED IN U.S. SURVEY FEET (UNLESS NOTED OTHERWISE).
- THIS PLAT SHOWS THREE TAX PARCEL IDENTIFICATION NUMBERS (PIN), HOWEVER ALL THREE PARCELS ARE SHOWN AS ONE PARCEL UNDER THE OWNERSHIP OF QUAIL CORNERS ASSOCIATES, LLC AS SHOWN IN DEED BOOK 9597, AT PAGE 414, RECORDED IN THE MECKLENBURG COUNTY REGISTER OF DEEDS, PARCEL 20715304 AND 20715305 ARE LEASED PARCELS.
- EXCEPT WHERE PARALLEL AND CLOSE TO A SURVEYED PROPERTY LINE, CURB & GUTTER AND PAVEMENT LINES SHOWN HEREON WERE SCALED FROM MECKLENBURG COUNTY GIS IMAGERY (DATED MARCH 2007) AND THIS INFORMATION HAS BEEN SHOWN HEREON FOR REFERENCE PURPOSES ONLY. NO ACCURACY OR POSITIONAL TOLERANCE IS GUARANTEED BY THIS SURVEY AS TO HOW THE SURVEYED FEATURES TRULY RELATE TO THE CURBS AND PAVEMENTS SHOWN HEREON.
- PROPERTY OWNER INFORMATION WAS OBTAINED FROM MECKLENBURG COUNTY ONLINE GIS.
- 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 AFFECT THESE PROPERTIES.
- RIGHT OF WAY OF EASEMENT TO SOUTHERN BELL RECORDED IN DB 5734 PG 342 IS A BLANKET EASEMENT AND NOT PLOTTABLE.
- SOIL BORINGS AND CONFIRMATION SAMPLES WALL AND BOTTOM SHOWN INSIDE THE BUILDING WERE TAKEN FROM A 1998 MAP PROVIDED TO ME BY HART & HICKMAN, PC AND WERE NOT FIELD LOCATED VIA THIS SURVEY.

OWNERS CERTIFICATION

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

(SIGNATURE) (DATE)

NORTH CAROLINA COUNTY

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

NOTARY PUBLIC (SIGNATURE)
(OFFICIAL SEAL)
MY COMMISSION EXPIRES _____.

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

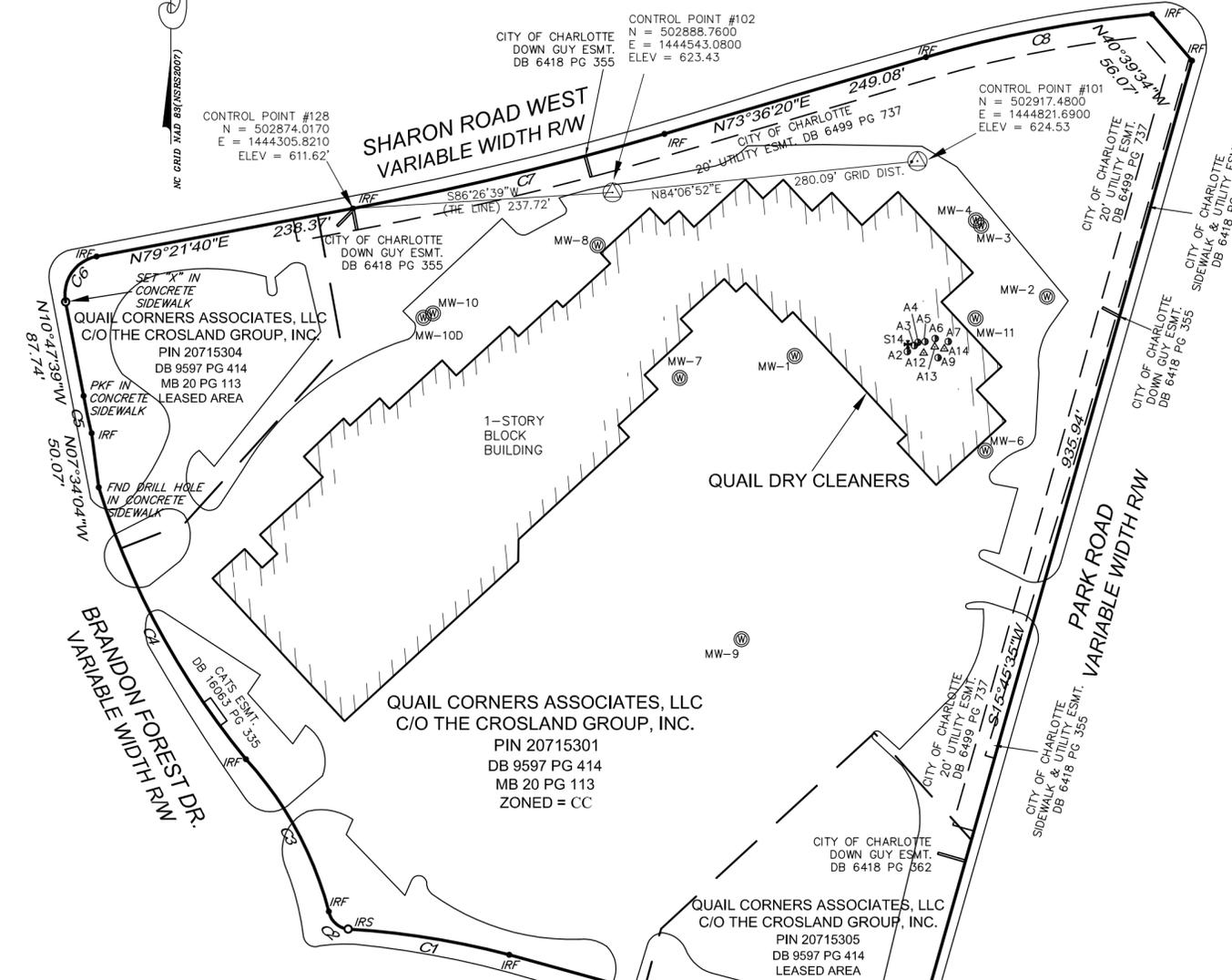
JACK BUTLER, CHIEF SUPERFUND SECTION DIVISION OF WASTE MANAGEMENT

STATE OF NORTH CAROLINA COUNTY OF _____

I, _____, A NOTARY PUBLIC OF COUNTY AND STATE OF NORTH CAROLINA DO HEREBY CERTIFY THAT

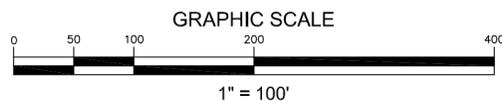
_____ DID PERSONALLY APPEAR & SIGN BEFORE ME THIS THE _____ DAY OF _____, 2011.

NOTARY PUBLIC (SIGNATURE)
MY COMMISSION EXPIRES _____.



WELL ID	NORTHING	EASTING	ELEVATION
MW-1 TOC	502738.97	1444709.50	622.98
MW-1 TOW	502738.86	1444709.54	623.48
MW-2 TOC	502793.20	1444940.10	623.81
MW-2 TOW	502793.21	1444940.06	624.33
MW-3 TOC	502858.29	1444879.93	623.65
MW-3 TOW	502858.29	1444879.91	623.95
MW-4 TOC	502863.05	1444875.17	623.87
MW-4 TOW	502863.17	1444875.16	624.13
MW-6 TOC	502652.00	1444883.83	625.17
MW-6 TOW	502652.06	1444883.77	625.52
MW-7 TOC	502718.66	1444604.51	622.28
MW-7 TOW	502718.66	1444604.51	622.68
MW-8 TOC	502840.34	1444529.37	623.27
MW-8 TOW	502840.32	1444529.43	623.55
MW-9 TOC	502479.28	1444660.90	622.96
MW-9 TOW	502479.24	1444660.95	623.51
MW-10 TOC	502777.91	1444378.90	620.45
MW-10 TOW	502777.93	1444378.93	620.78
MW-10D TOC	502773.80	1444370.18	620.26
MW-10D TOW	502773.86	1444370.24	620.65
MW-11 TOC	502773.37	1444874.59	624.82
MW-11 TOW	502773.36	1444874.66	625.11

NOTE: MW-5 COULD NOT BE LOCATED SUBSEQUENT TO MARCH 2002.



GROUNDWATER IN WELLS MW-1, MW-2, MW-3, AND MW-7 EXCEEDED THE APPLICABLE 2L WATER QUALITY STANDARDS (15A NCAC 2L 0200) FOR ONE OR MORE OF THE FOLLOWING CONTAMINANTS: TETRACHLOROETHYLENE.

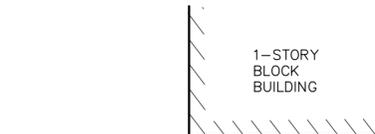
SOIL IN BORINGS A4, A6, A12, A13, AND A14 EXCEEDED THE ASSOCIATED RESIDENTIAL RISK BASED SCREENING LEVEL (15A NCAC 25) FOR ONE OR MORE OF THE FOLLOWING CONTAMINANTS: TETRACHLOROETHYLENE.

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

DEED BOOK: _____ PAGE: _____

N.C.G.S. 143-215.104(M) 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. 143-215.104(M):

THIS PROPERTY HAS BEEN CONTAMINATED WITH DRY-CLEANING SOLVENT. A NOTICE OF DRY-CLEANING SOLVENT REMEDIATION IS RECORDED IN THE MECKLENBURG COUNTY REGISTER OF DEEDS OFFICE AT BOOK _____, PAGE _____. QUESTIONS CONCERNING THIS MATTER MAY BE DIRECTED TO THE NORTH CAROLINA DIVISION OF WASTE MANAGEMENT, SUPERFUND SECTION, DRY-CLEANING SOLVENT CLEANUP ACT (DSCA) PROGRAM, OR ITS SUCCESSOR IN FUNCTION, 1646 MAIL SERVICE CENTER, RALEIGH, NC 27699-1646.



SYMBOL LEGEND

- PROPERTY CORNER FOUND
- PROPERTY CORNER SET
- △ DATUM CONTROL POINT
- △ CONFIRMATION SAMPLE, BOTTOM (1998)
- ⊙ CONFIRMATION SAMPLE, WALL (1998)
- ⊕ SOIL BORING (1998)
- ⊗ MONITORING WELL

STATE OF NORTH CAROLINA
I, _____, REVIEW OFFICER OF _____
CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.
REVIEW OFFICER DATE

I, JACKIE G. DUNCAN, HEREBY CERTIFY THAT THE NORTH CAROLINA GRID COORDINATES SHOWN ON THIS PLAT ARE BASED UPON THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 83 (NSRS2007), WITH NAVD 88 ELEVATIONS, PER A GPS SURVEY PERFORMED UNDER MY SUPERVISION ON MARCH 16, 2009. POINTS #101 AND #102 WERE DERIVED BY REAL TIME KINEMATIC DIFFERENTIAL GPS OBSERVATIONS USING A TRIMBLE 5700 RECEIVER IN CONJUNCTION WITH THE NORTH CAROLINA GEODETIC SURVEY'S VIRTUAL REFERENCE SYSTEM (VRS), WHICH IS BASED UPON THE CONTINUALLY OPERATING REFERENCE STATIONS (CORS). I FURTHER CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (IN ACCORDANCE WITH THE DEEDS AND PLATS REFERENCED HEREON); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS SUCH; 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 10TH DAY OF JUNE, 2009, A.D.

JACKIE G. DUNCAN, PLS L-3412



SURVEY PLAT - EXHIBIT "A"
TO THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION
OWNER: QUAIL CORNERS ASSOCIATES, LLC PIN#20715301
QUAIL DRY CLEANERS - DSCA #060-0007
8500 PARK ROAD, CITY OF CHARLOTTE
COUNTY OF MECKLENBURG, STATE OF NORTH CAROLINA

Jackie G. Duncan, PLS
19901 HENDERSON ROAD, UNIT H
CORNELIUS, NC 28031
PHONE: (704) 765-9107 - FAX: (704) 237-3879
www.jackieduncanpls.com

SCALE: 1" = 100'	DATE: APRIL 2, 2009	FILE: 11-015
DRAWN BY: JGD	CHECKED BY: JGD	SHEET: 11/1

EXHIBIT B
PROPERTY LEGAL DESCRIPTION

EXHIBIT B

(Legal Description)

Quail Corners Shopping Center
Charlotte, North Carolina

BEGINNING at a point in the northeasterly margin of the right-of-way of Hamlin Park Drive, said Beginning Point being located N. 74-31-20 W. 27.87 feet from the intersection of the northeasterly margin of the right-of-way of Hamlin Park Drive as extended with the intersection of the northwesterly margin of the right-of-way of Park Road, as extended; thence along said margin of Hamlin Park Drive, N. 74-31-20 W. 349.48 feet to a point; thence continuing with said right-of-way in a westerly direction with the arc of a circular curve to the left having a radius of 754.84 feet, an arc distance of 157.58 feet and a chord of N. 80-30-10 W. 157.30 feet to a point; thence continuing with said right-of-way in a westerly direction with the arc of a circular curve to the right, having a radius of 20 feet, an arc distance of 25.83 feet and a chord of N. 49-29-04 W. 24.07 feet to a point; thence in a northerly direction along the easterly margin of the right-of-way of Branden Forest Drive with the arc of a circular curve to the left, having a radius of 330.85 feet, an arc distance of 154.72 feet and a chord of N. 25-52-58 W. 153.31 feet to a point; thence continuing with said right-of-way in a northerly direction with the arc of a circular curve to the right, having a radius of 745.00 feet, an arc distance of 225.20 feet and a chord of N. 30-38-14 W. 224.35 feet to a point; thence continuing, with the margin of said right-of-way in a northerly direction with the arc of a circular curve to the right, having a radius of 745.00 feet, an arc distance of 59.92 feet and a chord of N. 19-39-57 W. 59.91 feet to a point; thence continuing with the margin of said right-of-way three calls and distances as follows: (1) N. 7-24-18 W. 50.00 feet to a point; (2) in a northerly direction with the arc of a circular curve to the right, having a radius of 738.00 feet, and arc distance of 35.00 feet and a chord of N. 12-10-40 W. 35.00 feet to a point and (3) N. 10-49-05 W. 87.78 feet to a point; thence in a northerly direction with the arc of a circular curve to the right, having a radius of 35.50 feet, an arc distance of 55.90 feet and a chord of N. 34-17-33 E. 50.30 feet to a point in the southerly margin of the right-of-way of Sharon Road West; thence with the southerly margin of said right-of-way N. 79-24-12 E. 238.46 feet to a point; thence in an easterly direction with the arc of a circular curve to the left, having a radius of 2910.29 feet, an arc distance of 292.84 feet and a chord of N. 76-31-07 E. 292.72 feet to a point; thence N. 73-38-17 E. 249.08 feet to a point; thence continuing with the margin of said right-of-way in an easterly direction with the arc of a circular curve to the right having a radius of 1084.50 feet, an arc distance of 210.78 feet and a chord of N. 79-12-21 E. 210.45 feet to a point; thence S. 35-36-14 E. 52.44 feet to a point in the westerly margin of the right-of-way of Park Road; thence with the westerly margin of said right-of-way S. 15-28-40 W. 930.31 feet to a point; thence in a southwesterly direction with the right-of-way of Park Road S. 64-04-01 W. 37.16 feet to the point place of Beginning, as shown on physical survey of Quail Corners dated April 9, 1984, and revised February 13, 1995 by John R. Yarbrough, N.C.R.L.S., reference to which survey is hereby made.

Appendix D

Example Annual DSCA Land-Use Restrictions Certification

Site Name: Quail Dry Cleaners
Site Address: 8500 Park Road, Charlotte, Mecklenburg County, NC
DSCA ID No: DSCA Site # 60-0007

ANNUAL CERTIFICATION of LAND-USE RESTRICTIONS

Pursuant to Condition #5 in the Notice of Dry-Cleaning Solvent Remediation (Notice) signed by Quail Corners Associates, LLC and recorded in Deed Book ___, Page ___ on _____ at the Mecklenburg County Register of Deeds Office, Quail Corners Associates, 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 Mecklenburg County Register of Deeds office and the land-use restrictions therein are being complied with.

Duly executed this _____ day of _____, 20__.

Quail Corners Associates, LLC

By: _____
Name typed or printed:

NORTH CAROLINA
_____ COUNTY

I, _____, a Notary Public of the county and state aforesaid, certify that _____ personally came before me this day and acknowledged that he/she is a Member of Quail Corners Associates, LLC, a North Carolina limited liability corporation, and its Manager, and that by authority duly given and as the act of the corporation, the foregoing certification was signed in its name 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]

Appendix E

Example Documents Announcing the Public Comment Period



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

<Date>

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

Subj: Remediation of Dry-Cleaning Solvent Contamination
DSCA Site # 60-0007
Quail Dry Cleaners, 8500 Park Road, Charlotte

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. 143-215.104.L, 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 Environment and Natural Resources (DENR).

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 on our website at www.ncdsca.org, under "Public Notices" during the public comment period.

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 DENR no later than <date>. Written requests for a public meeting may be submitted to DENR no later than <date>. All such comments and requests should be sent to:

Mike Cunningham, DSCA Remediation Unit
Division of Waste Management, NC DENR
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Remediation of Dry-Cleaning Solvent Contamination
DSCA Site # 60-0007
Quail Dry Cleaners, 8500 Park Road, Charlotte
Page 2

<date>

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)508-8454.

Sincerely,

Mike Cunningham, Project Manager
DSCA Remediation Unit
mike.cunningham@ncdenr.gov

Attachments: Risk Management Plan

Cc: DSCA Site # 60-0007 File



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

<Date>

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

Subj: Dry-Cleaning Solvent Contamination
8500 Park Road, Charlotte, NC

Dear <property owner>:

The Dry-Cleaning Solvent Clean-up Act (DSCA) Program has completed an assessment of the dry-cleaning solvent contamination associated with the Quail Dry Cleaners at 8500 Park Road in the Quail Corners shopping center in Charlotte. The DSCA Program has prepared a remedial strategy to address the site contamination, and in accordance with our program's statutes, the community has an opportunity to review and comment on the proposed strategy. You are receiving this letter because your property is adjacent to the area contaminated with dry-cleaning solvents.

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

If you have questions, please contact me at (919) 508-8454, or Pete Doorn at (919) 508-8578.

Sincerely,

Mike Cunningham, Project Manager
DSCA Remediation Unit
mike.cunningham@ncdenr.gov

Attachments: Summary of the NOI

Cc: DSCA Site # 60-0007 File

Public Notice

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

Quail Dry Cleaners
DSCA Site # 60-0007

Pursuant to N.C.G.S. §143-215.104L, on behalf of Quail Corners Associates, LLC, the North Carolina Department of Environment and Natural Resources' (DENR'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.

Quail Dry Cleaners formerly conducted dry-cleaning operations at the Quail Corners shopping center at 8500 Park Road, in Charlotte, North Carolina. The property is currently occupied by the Quail Dry Cleaners pick-up and drop-off center. Dry-cleaning solvent contamination in soil and/or ground water has been identified at the following parcel(s):

8500 Park Road, in Charlotte; Parcel No. 20715301

An investigation of the extent of contamination has been completed. A risk assessment of the contaminated property concluded that the contamination poses no unacceptable risks at the Quail Dry Cleaners. A Risk Management Plan has been prepared which proposes instituting land-use restrictions to prohibit the use of groundwater at the affected property.

The elements of the complete NOI are included in the Risk Management Plan (RMP) which is available online at www.ncdsca.org, under "Public Notices".

The public comment period begins _____, 20__, and ends _____, 20__.

Comments must be in writing and submitted to DENR no later than _____, 20__. Written requests for a public meeting may be submitted to DENR no later than _____, 20__. Requests for additional information should be directed to Mike Cunningham at (919)508-8454.

All comments and requests should be sent to:

Mike Cunningham, DSCA Remediation Unit
Division of Waste Management, NC DENR
1646 Mail Service Center
Raleigh, North Carolina 27699-1646