PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

6003-145 Chapel Hill Rd.
Raleigh, NC 27607
P: 919-854-9700 F: 919-854-9532
www.piedmontgeologic.com

May 23, 2016

Mr. Adam Ulishney
Division of Waste Management
Superfund Section
Inactive Hazardous Sites Branch
North Carolina Department of Environment and Natural Resources
217 West Jones Street
Raleigh, NC 27603

RE: Vapor Intrusion Assessment Report: Phase II
Kaba Ilco Corp. (former Stewart-Warner Corp. /Bassick-Sack Site)
2941 Indiana Ave., Winston-Salem, North Carolina
IHSB Site Identification No. NCD024895864
Docket No. 14-SF-377

Dear Mr. Ulishney:

Enclosed is the *Vapor Intrusion Assessment Report: Phase II*, dated May 23, 2016, for the Kaba Ilco Corp. facility (former Stewart-Warner Corp./Bassick-Sack site) in Winston-Salem, North Carolina. The vapor intrusion assessment was completed as recommended in the site *Offsite Soil-Vapor Assessment Report: Phase II*, dated February 5, 2016, and in accordance with a February 10, 2016 letter from the Inactive Hazardous Sites Branch to Kaba Ilco.

If you have any questions or would like any additional information, please do not hesitate to call.

Sincerely,

Peter J. Dressel

Peter J. Dressel, P.G.
Project Manager

cc: Ed Lodics, Kaba Ilco
Frank Flaherty

enclosure

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

6003-145 Chapel Hill Rd.
Raleigh, NC 27607
P: 919-854-9700 F: 919-854-9532
www.piedmontgeologic.com

VAPOR-INTRUSION ASSESSMENT REPORT: PHASE II WINSTON-SALEM, NORTH CAROLINA

KABA ILCO CORPORATION
2941 Indiana Avenue
Winston-Salem, Forsyth County, North Carolina
NCDEQ Site Identification No. NCD024895864

Prepared by:

Piedmont Geologic, P.C.
6003 Chapel Hill Road, Suite 145
Raleigh, North Carolina 27607

May 23, 2016

Piedmont Geologic is a professional corporation licensed to practice Geology (C-216) in North Carolina.

PROFESSIONAL CERTIFICATION

The *Vapor-Intrusion Assessment Report: Phase II* for the Kaba Ilco – Winston-Salem, North Carolina facility has been prepared under the responsible charge of the following Professional Geologist registered in the State of North Carolina.

Peter J. Dressel
Printed Name

Peter J. Dressel
Signature

May 23, 2016
Date

Seal

TABLE OF CONTENTS

PAGE NO.

PROFESSIONAL CERTIFICATION....II

TABLE OF CONTENTS....III

1.0 INTRODUCTION AND SUMMARY....4

2.0 BACKGROUND....5

2.1 SITE DESCRIPTION....5
2.2 FACILITY GEOLOGIC AND HYDROGEOLOGIC SETTING....6
2.3 DISTRIBUTION OF SITE GROUNDWATER CHEMICALS OF CONCERN....7

3.0 PROPERTIES SELECTED FOR VAPOR-INTRUSION ASSESSMENT AND PROCUREMENT OF ACCESS PERMISSION....8

4.0 VAPOR-INTRUSION ASSESSMENT METHODS....10

4.1 INTRODUCTION....10
4.2 PRE-SAMPLING BUILDING SURVEYS AND EVALUATIONS....10
4.3 CRAWLSPACE-AIR, BASEMENT-AIR, AND LIVING-SPACE-AIR SAMPLING/ANALYSIS....11

5.0 VAPOR-INTRUSION ASSESSMENT RESULTS....14

6.0 KABA ILCO CERTIFICATION....16

7.0 CONSULTANT CERTIFICATION....17

8.0 REFERENCES....18

Figures
1 Site Location Map
2 Facility Map
3 Area Map
4 Locations of Monitoring Wells
5 Geologic Cross-Section A-A'
6 Geologic Cross-Section B-B'
7 Saprolite Groundwater Potentiometric Surface Contour Map: September 21, 2015
8 Bedrock Groundwater Potentiometric Surface Contour Map: September 21, 2015
9 Saprolite Groundwater PCE Isoconcentration Contour Map: April-October 2015
10 Saprolite Groundwater TCE Isoconcentration Contour Map: April-October 2015
11 Results of Laboratory Analysis of January 2016 Soil-Vapor Samples
12 Homes Selected for Vapor-Intrusion Assessments
13 Results of Home Access Requests

Tables
1 Groundwater Monitoring and Remediation Well Construction Details
2 Historical Summary of Groundwater Analysis Results
3 Results of Home Owner/Occupant Notifications to Conduct VI Assessments: February-April 2016

Appendices
A Monitoring-Well Gauging Data
B Home Access Request Packages
C Building Survey Forms and Forsyth County Property Records
D Sample Forms
E Laboratory Reports

1.0 INTRODUCTION AND SUMMARY

This document presents a Vapor-Intrusion Assessment Report for three residences located on Glenn Avenue and Ivy Avenue in Winston-Salem, North Carolina. The vapor intrusion (VI) assessments were conducted for the Kaba Ilco Corp. – Winston-Salem, North Carolina facility, as recommended in the *Offsite Soil-Vapor Assessment Report: Phase II,* dated February 5, 2016, prepared by Piedmont Geologic, P.C. VI assessments have been completed by Kaba Ilco in the residential neighborhood area southwest of the Kaba Ilco facility on Indiana Avenue in accordance with the Administrative Agreement (AA) between Kaba Ilco and the North Carolina Department of Environmental Quality (NCDEQ), Superfund Section dated May 5, 2014 (Docket No. 14-SF-377), and the *Workplan for Soil-Vapor Intrusion Assessment* (VI workplan), dated June 15, 2015, prepared by Piedmont Geologic.

The site location and layout are shown in Figures 1 through 4. Kaba Ilco and predecessors have been conducting groundwater assessment and remediation activities since the early 1990s, when chemicals of concern (COCs) in groundwater related to historical waste-management practices at the Kaba Ilco facility, prior to its acquisition by Kaba Ilco, were discovered. Distributions of groundwater COCs, primarily tetrachloroethene (PCE) and trichloroethene (TCE), have been delineated, extending from the Kaba Ilco facility property on Indiana Avenue southwest across the Hanes-Lowrance Middle School property and into the residential neighborhood area south of the school property. Based on this groundwater COC distribution, VI assessments have been conducted to evaluate potential exposures by neighborhood residents to vapor-phase PCE and TCE concentrations through volatilization from the water table and migration into home structures.

An initial phase (i.e., Phase I) of offsite VI assessments was completed in August 2015, including five homes on Stokes Avenue and E. 28th Street. Results of sub-slab soil-vapor, crawlspace-air, and indoor-air sampling/analysis indicated no detections of PCE or TCE at concentrations above NCDEQ Residential Screening Levels and, therefore, no significant potential for significant human exposure to PCE/TCE through vapor intrusion.

The April 2016 VI activities reported herein represents the second phase (i.e., Phase II) of offsite VI assessments. Nine homes were selected for the Phase II VI assessments. However, based on responses to requests for access permission from owners/occupants, only three homes were ultimately included. Results of April 2016 Phase II crawlspace-air, and indoor-air sampling/analysis indicate no detections of PCE or TCE at concentrations above IHSB Residential Screening Levels, and, therefore, no significant potential for significant human exposure to PCE/TCE through vapor intrusion.

2.0 BACKGROUND

2.1 Site Description

The Kaba Ilco facility is located at 2941 Indiana Avenue in Winston-Salem, Forsyth County, North Carolina (Figure 1). The facility, which manufactures security products and lock components, occupies approximately 10 acres between Indiana Avenue and a Norfolk Southern Co. railroad right-of-way (Figure 2). Structures at the facility include a main building used for manufacturing, office, and warehouse purposes, a foundry building, a wastewater treatment building, and assorted outbuildings. An asphalt parking area is situated between the main building and Indiana Avenue. Open ground (the "southern side yard") is situated between the main building and the southeast property perimeter (Figure 2).

Area land use is shown in Figure 3. The facility is located within the city limits of Winston-Salem in an area characterized by mixed residential, industrial, and commercial uses. Southern Norfolk rail lines lie directly adjacent to the northeast facility perimeter, beyond which lies the Royster-Clark Rainbow Fertilizer and Waste Management of the Carolinas facilities. A former asphalt plant previously operated by APAC, Inc. is situated directly adjacent to the southeast facility perimeter and a Martin Motor Lines terminal is located directly adjacent to the northwest facility perimeter.

The local area across (i.e., southwest of) Indiana Avenue is characterized by mixed residential, commercial, and institutional usage. The Hanes-Lowrance Middle School complex is situated directly across Indiana Avenue from the southern portion of the Kaba Ilco facility and several small commercial establishments are located directly across Indiana Avenue from the northern portion of the Kaba Ilco facility. The area south and southwest of the school contains primarily residential properties with scattered commercial properties (Figure 3).

The facility is located along the western flank of a low, northwest-trending ridge that parallels Indiana Avenue (Figure 1). The ground surface at the facility slopes from the highest points along the north-northeast property perimeter toward both Indiana Avenue and the south-southeast property perimeters. Surface drainage is generally southerly toward an unnamed tributary of Peters Creek, the headwaters of which are located approximately 3,000 feet south of the Kaba Ilco facility.

The site contains 50 groundwater monitoring wells, at the locations shown in Figure 4. Monitoring-well construction details are listed in Table 1. The wells are located on the facility property, as well as adjacent properties to the northeast, south, and southwest. Shallow, water-table, monitoring wells are completed in saprolite overburden. Deeper, vertical-delineation, monitoring wells, are completed in bedrock.

2.2 Facility Geologic and Hydrogeologic Setting

The site is located in the Piedmont physiographic province, which is characterized by moderately level interstream areas separated by broad valleys. Bedrock in Winston-Salem, North Carolina is mapped within the Milton Belt division. According to the *Geologic Map of North Carolina* (North Carolina Geological Survey, 1985), bedrock in the area of the site consists of biotite gneiss and schist.

Competent bedrock in the Piedmont province in North Carolina is typically overlain by variable thicknesses of saprolite and soil, collectively referred to as "overburden." Saprolite is bedrock that has decomposed in place due to differential physical and chemical alteration (i.e., the transformation of feldspars to clay minerals) but has retained relict bedrock structures, which are absent in the more highly weathered overlying soil. Thicknesses of the overburden in the Piedmont in North Carolina typically range from 10 to 75 feet, depending on rock composition and topographic setting (LeGrand, 1988).

Site geologic cross sections are presented in Figures 5 and 6. The overburden at the facility has been described as saprolite, consisting of varying mixtures of micaceous silty/clayey sand and sandy silt/clay with visible color/textural laminations, occasional sand/gravel layers, and zones of residual bedrock. Hardness of the saprolite generally increases with depth. Bedrock, described as biotite schist, biotite gneiss, and diorite, was encountered beneath the facility at depths ranging from approximately 45 to 100 feet below grade.

Groundwater in the Piedmont province occurs in the overburden under unconfined (i.e., water table) conditions, and in the underlying bedrock under both unconfined and confined conditions. Groundwater in the overburden occurs within pore spaces of the unconsolidated medium, including relict bedrock structures. Due to the typical fine grained nature of saprolite, the formation normally possesses a relatively low permeability and is not generally utilized for groundwater production. The overburden is recharged by the infiltration of precipitation and acts as a storage medium for groundwater that is slowly released to surface water bodies and the underlying bedrock.

Groundwater in the underlying bedrock occurs in zones of secondary porosity, such as fractures, bedding planes, foliations, and solution voids. Most water supply wells in the Piedmont are completed in bedrock.

Site monitoring-well gauging data since March 1995 are provided in Appendix A. Observed depths to groundwater in site monitoring wells have ranged from approximately 30 to 50 feet below grade in monitoring wells on the Kaba Ilco property to approximately 8 to 40 feet below grade at off-site locations. Depths to groundwater are generally consistent with the area topography and are deepest in the area of the

manufacturing building (i.e., the area with the highest topographic elevations) and shallowest in downgradient monitoring wells.

Groundwater potentiometric-surface contour maps for the overburden and bedrock aquifers, based on September 2015 groundwater-level data, are provided as Figures 7 and 8, respectively. The maps indicate southeasterly apparent directions of groundwater flow, consistent with historical groundwater potentiometric-surface contour maps, at the Kaba Ilco and Hanes-Lowrance Middle School properties. Overall southerly directions of groundwater flow are indicated south of Hanes-Lowrance Middle School.

The apparent discharge point of the site groundwater COC distribution is a tributary of Peters Creek southwest of Hanes-Lowrance Middle School. Most of the creek upstream (i.e., north) of 24th Street and Ivy Avenue is contained within underground concrete culverts that are part of the City stormwater system. The creek daylights at 24th Street and Ivy Avenue, approximately 2,500 feet southwest of the southern boundary of the Kaba Ilco property (Figure 1).

2.3 Distribution of Site Groundwater Chemicals of Concern

A historical summary of groundwater analysis results is provided in Table 2. Saprolite groundwater PCE and TCE isoconcentration contour maps based on results of laboratory analysis of April-October 2015 groundwater samples collected from site monitoring wells are provided as Figures 9 and 10, respectively. The groundwater PCE and TCE isoconcentration contour maps indicate COC distributions originating in the courtyard and southern side yard areas of the Kaba Ilco property and extending southwest across the Hanes-Lowrance Middle School property and to the neighborhood south of Hanes-Lowrance Middle School.

3.0 PROPERTIES SELECTED FOR VAPOR-INTRUSION ASSESSMENT AND PROCUREMENT OF ACCESS PERMISSION

The February 2016 *Offsite Groundwater and Soil-Vapor Assessment Report: Phase II* provides detailed information regarding Phase II soil-vapor assessment activities completed on Ivy Avenue between E. 24th Street and E. 28th Street; on E. 27th Street between Stokes Avenue and Glenn Avenue; on E. 25th Street between Stokes Avenue and Glenn Avenue; and on E. 24th Street between Ivy Avenue and Glenn Avenue in January 2016. Soil-vapor sampling was completed at twenty separate locations. A map illustrating results of laboratory analysis of January 2016 soil-vapor samples is provided as Figure 11. PCE was detected at concentrations above IHSB Residential Soil Gas Screening Level (SGSL) in soil-vapor samples collected from thirteen of the twenty sample locations. TCE was detected at concentrations above the Residential SGSL at three locations.

Based on the January 2016 Phase II soil-vapor assessment results, a total of eight homes on Ivy Avenue between E. 24th Street and E. 25th Street, and one home at the intersection of Glenn Avenue and E. 24th Street were selected for Phase II VI intrusion assessments. Additional homes that may have been selected for VI assessments based on soil-vapor sampling/analysis results were excluded because VI assessments for these homes were previously completed by the City of Winston-Salem. Homes selected for the Phase II VI assessments are shown in Figure 12. Home construction information obtained from Forsyth County property records, as well as on-site observations, is listed as follows.

Properties Targeted for Soil-Vapor Intrusion Assessments (1)

Home Address	Proper Owner Name and Address	Basement?	Crawlspace?	Living Area Square Footage	Basement Square Footage	Crawlspace Square Footage
2403 Glenn Avenue	Lillie Mae Walters 2403 Glenn Ave. Winston-Salem 27105	Yes	Yes	1,450	725	725
2326 Ivy Avenue	Zanthia Kimbraugh 2326 Ivy Ave. Winston-Salem, NC 27105	Yes	Yes (2)	1,450	725	725 (3)
2400 Ivy Avenue	SE Snyder Group 4 LLC P.O. Box 11966 Winston-Salem, NC 27116	No	Yes (2)	1,616	0	1,760 (3)
2404 Ivy Avenue	SE Snyder Group 4 LLC P.O. Box 11966 Winston-Salem, NC 27116	Yes	No (2)	1,092	1,092	0 (3)
2408 Ivy Avenue	Donald L. Evans 1305 Millbrook Rd. Raleigh, NC 27608	Yes	Yes (2)	1,092	546	546 (3)
2412 Ivy Avenue	Maria Nella Floyd 4720 Old Rural Hall Road Winston-Salem, NC 27105	Yes	Yes	1,092	720	372

(continued)

Properties Targeted for Soil-Vapor Intrusion Assessments (continued) (1)

Home Address	Proper Owner Name and Address	Basement?	Crawlspace?	Living Area Square Footage	Basement Square Footage	Crawlspace Square Footage
2416 Ivy Avenue	Loretta P. Edwards 2416 Ivy Avenue Winston-Salem NC 27105	Yes	No (2)	1,092	1,092 (4)	0 (3)
2420 Ivy Avenue	C.W. Myers Trading Post 2718 Liberty Street N. Winston-Salem, NC 27105	Yes	Yes	1,092	720	372
2424 Ivy Avenue	Timothy L. Williams 2424 Ivy Avenue Winston-Salem NC 27105	Yes	Yes (2)	1,092	546	546)

(1) Compiled from Forsyth Co. property records. (2) Inferred based on Forsyth County property records.
(3) Estimated based on Forsyth Co. property records. (4) 400 sq. ft. is unfinished basement.

A process to procure access permission to conduct the VI assessments at the above properties was initiated in February 2016. A summary of the methods and results of the process is provided in Table 3, and the results of the process are illustrated in Figure 13. Certified letters (return receipt requested) were mailed on February 29 and March 1, 2016 to all nine home owners, as well as the occupants of the five homes owned by other parties (addressed to "Current Occupant"), requesting permission to enter the subject homes for potential sub-slab soil-vapor, crawlspace-air, and/or indoor-air sampling, and to complete pre-sampling inspections of the homes. A questionnaire and access-permission request form was included with each letter, along with U.S. EPA fact sheets regarding VI (*What You Should Know about Vapor Intrusion* and *TCE and PCE in Your Home)*. Copies of the letters and questionnaires are provided in Appendix B. Permission of both the owner and the tenant (the latter for rental properties) was required for the VI assessment to proceed at each home.

By late March 2016, certified-mail receipts were returned for only six of the fourteen certified-mail packages, with the remaining returned as unclaimed. In response, duplicate un-certified letter and information packages were mailed on March 23, 2016 to the five home owners and three home occupants who did not claim the certified mail packages. One of the latter letters was returned with a note indicating that the home is vacant. No responses to the remaining un-certified letters were received.

Access permission and questionnaire forms were received for the owners of three properties, two of which are rental properties. Telephone calls were made to the representatives of all three properties to discuss the VI assessment process. During these discussions the owners of the two rental properties offered to arranged for access on behalf of their tenants.

The owner representative for 2400 Ivy Avenue and 2404 Ivy Avenue informed Piedmont Geologic via telephone on March 25, 2016 that he would not grant permission to enter his properties.

4.0 VAPOR-INTRUSION ASSESSMENT METHODS

4.1 Introduction

VI assessments were completed in April 2016 in accordance with the June 2015 VI workplan, which was based on the DWM *Vapor Intrusion Guidance* (April 2014), and the IHSB *Supplemental Guidelines for the Evaluation of Structural Vapor Intrusion Potential for Site Assessments and Remedial Actions under the Inactive Hazardous Sites Branch* (March 2014). The assessments followed the procedures for potential vapor intrusion from groundwater contamination, as described in the guidance documents. Derivations from the June 2015 VI workplan and/or DWM/IHSB guidance documents are discussed below as applicable.

4.2 Pre-Sampling Building Surveys and Evaluations

Building surveys and evaluations for the three homes for which permission to conduct VI assessments was received (discussed in Section 3.0) were conducted on April 25, 2016. The following components were addressed.

- Identification of potential background sources of volatile organic compounds.
- Determination of the building construction.
- Recognition of potential points of vapor intrusion and identification of possible sample locations.
- Education of the residents regarding vapor intrusion and sampling procedures.

The inspections included the main living areas, basements, and crawlspaces. A DWM *Indoor Air Building Survey and Sampling Form* was prepared for each home. In addition, the DWM *Instructions for Occupants – Indoor Air Sampling Events* advisory paper was provided to the residents. The completed forms, along with Forsyth County property records, are provided in Appendix C. Where consumer products that could contain PCE and/or TCE were observed, the residents were requested to remove the products from the structures until air sampling was completed.

Prior to the building inspection it was believed, based on Forsyth County property records, that 2403 Glenn Avenue had a basement but no crawlspaces. The existence of three building crawlspaces, in addition to the basement, was discovered during the building inspection. As a result, the VI assessment sampling plan was revised to include crawlspace-air sampling/analysis and exclude sub-slab soil-vapor sampling/analysis for 2403 Glenn Avenue, as discussed below.

4.3 Crawlspace-Air, Basement-Air, and Living-Space-Air Sampling/Analysis

Crawlspace-air, basement-air, and living-space-air sampling/analysis was completed for 2403 Glenn Avenue, 2412 Ivy Avenue, and 2420 Ivy Avenue on April 28 and 29, 2016. All of these homes contain crawlspaces that have dirt floors without vapor barriers. In response, crawlspace-air samples were collected instead of sub-slab soil-vapor samples since the dirt floors provide a direct portal for potential vapor intrusion. Because basement floors for the homes are below the crawlspace floors, basement-air samples were also collected.

DWM/IHSB guidelines stipulate that, for crawlspaces, basements, and living spaces, one air sample should be collected for every 1,500 square feet of associated space. Crawlspaces, basement-spaces, and living-spaces (first-floor), for all three homes are below this threshold. DWM/IHSB guidelines also stipulate that crawlspace, basement, and living-space samples should optimally be collected over a 24-hour with the home empty and locked. If this condition is not feasible, then samples should be collected over a minimum 2-hour period under supervision. It was not possible to vacate homes to conduct 24-hour sampling under empty/locked conditions. As a result, 3-hour composite living-space air samples were collected under supervision. 24-hour composite crawlspace-air and basement-air samples were collected with these spaces sealed against entry.

Sample numbers and types, along with rationale, for each home are described as follows. Sample locations are shown in the building sketches in Appendix C. Sample-collection forms are provided in Appendix D.

- 2403 Glenn Avenue: this home contains an unfinished partial basement with three adjoining crawlspaces. The western crawlspace is connected to the basement via open space and the two eastern crawlspace areas are separated from the basement via a masonry wall. One of the two eastern crawlspaces are constructed with a concrete floor (slab on grade), while the other contains a dirt floor. The two eastern crawlspaces are separated from one another via a masonry wall. Two crawlspace-air samples and one basement-air sample were collected. The two crawlspace-air samples were collected from the crawlspaces containing dirt floors. Duplicate living-space air samples were collected at one location.
- 2412 Ivy Avenue: this home contains an unfinished partial basement with one adjoining crawlspace. The crawlspace is connected to the basement via open space. Duplicate crawlspace-air samples were collected at one location and one basement-air sample was collected. One living-space air sample was collected.
- 2420 Ivy Avenue: this home contains an unfinished partial basement with one adjoining crawlspace. The crawlspace is partially separated from the basement via a plywood wall. The plywood wall contains significant gaps around piping and conduits running between the basement

and crawlspace, such that air can flow between the two areas. One crawlspace-air sample was collected and duplicate basement-air samples were collected at one location. One living-space air sample was collected.

An overall summary of sample collections is provided as follows.

Summary of Sample Specifications

Property Address	Living Area Square Footage	Basement Square Footage	Crawlspace Square Footage	Crawl-Space Air Samples	Basement – Air Samples	Living-Space Air Samples
2403 Glenn Avenue	1,450	725	725	2	1	2*
2412 Ivy Avenue	1,092	720	372	2*	1	1
2420 Ivy Avenue	1,092	720	372	1	2*	1

* Includes duplicate sample.

One outdoor, and generally upwind, air sample was collected in conjunction with collection of the above samples.

The crawlspace-air, basement-air, and outdoor-air samples were collected using 6-liter stainless-steel summa canisters (individually certified) fitted with regulators that facilitated composite sample collection over a 24-hour period. The living-space air samples were collected using 6-liter stainless-steel summa canisters (individually certified) fitted with regulators that facilitated composite sample collection over 3-hour periods. Actual sampling periods for the 24-hour composite samples ranged from approximately 21.07 hours to 26.83 hours, and actual sampling periods for the 3-hour composite samples ranged from 2.38 hours to 2.83 hours. Longer sampling periods were used for some samples to ensure that the summa canister contained sufficient sample volume for analysis, indicated by vacuum-gauge reading of ≤15 inches of mercury (in. Hg).

Summa canister sample inlets for the living-space air samples were set at heights of approximately 3-feet above the floor. Summa canisters for the crawlspace-air and basement-air samples were set on the floor, with the sample inlets set at a height of approximately 20-inches above the floor. Due to limited access, the crawlspace-air sample for 2420 Ivy Avenue was collected utilizing 5/32-inch I.D. Teflon tubing attached to the summa-canister inlet via Swagelok fittings, with the tubing inlet set to a height of approximately 20-inches above the dirt floor within the interior of the crawlspace with the aid of attached PVC piping. As documented in the sampling records, summa canisters were placed on or near floor cracks, floor/wall penetrations, and/or sumps at sample locations where these features were observed.

To prevent tampering, residents were requested to stay out of basements, crawlspaces, and living-space rooms where air samples were being collected. Basement and crawlspace doors were sealed with custody tape, installed in a manner so that the tape would break if the doors were opened. None of the door seals were observed to be broken at the conclusion of sampling.

Vacuum readings for the summa canisters were recorded upon opening the summa-canister valve to begin the composite sampling and upon closing the summa-canister valve to end the composite sampling (Appendix E). Air temperature, barometric pressure, and humidity were recorded at the beginning and end of each sample collection. Wind speed and direction were also recorded for the outdoor-air samples.

With the exceptions noted as follows, residual vacuums for the crawlspace, basement, and indoor-air samples at the conclusion of sampling ranged from approximately 5.0 in. Hg to 13.0 in. Hg. For one crawlspace-air sample (eastern crawlspace sample for 2403 Glenn Avenue), the vacuum-gauge reading for the 24-hour composite sampling regulator was observed to read 0.0 in. Hg (i.e., full canister) following only approximately 1.75 hours from the start of sampling. However, a contingency (unused) 6-liter stainless-steel summa canister (individually certified) and 24-hour composite sampling regulator were deployed at the same location, and the original summa canister and regulator were removed from the crawlspace area. The original sample was not retained for laboratory analysis. For a second crawlspace-air sample (western crawlspace sample for 2403 Glenn Avenue), the vacuum-gauge reading for the 24-hour composite sampling regulator was observed to read 0.0 in. Hg (i.e., full canister) following only approximately 21 hours from the start of sampling.

The crawlspace-air, basement-air, living-space-air, and outdoor-air samples were submitted to ESC under chain of custody for analysis of PCE and TCE by EPA Method TO-15 SIM. ESC was instructed to analyze the crawlspace-air, basement-air, and outdoor-air samples, but to hold the analysis of the living-space samples pending completion of analysis of the other samples. Based on results of laboratory analysis of the crawlspace-air and basement-air samples (discussed below), laboratory analysis of the living-space samples was deemed not necessary.

5.0 VAPOR-INTRUSION ASSESSMENT RESULTS

Laboratory reports of analysis for the April 2016 crawlspace-air, basement-air, and outdoor-air samples from 2403 Glenn Avenue, 2412 Ivy Avenue, and 2420 Ivy Avenue are provided in Appendix E. Summarized results of laboratory analysis are listed as follows along with the most recent (March 2016) IHSB Residential Indoor-Air Screening Levels (IASLs).

2403 Glenn Avenue

Results of Laboratory Analysis of Crawlspace and Indoor-Air Samples Collected April 28-29, 2016

Sample I.D.	PCE (ug/m^3)	TCE (ug/m^3)
Crawlspace-1	1.01	<0.107
Crawlspace-2	0.304	<0.107
Basement-1	0.697	<0.107
IASL (1)	8.34	0.417

(1) IHSB Indoor-Air and Crawlspace-Air Screening Level (March 2016). THQ = 0.2.

2412 Ivy Avenue

Results of Laboratory Analysis of April 2016 Crawlspace and Indoor-Air Samples Collected April 28-29, 2016

Sample I.D.	PCE (ug/m^3)	TCE (ug/m^3)
Crawlspace-1	2.82	0.399
Crawlspace-1 (duplicate)	3.17	<0.107
Basement-1	4.60	<0.107
IASL (1)	8.34	0.417

(1) IHSB Indoor-Air and Crawlspace-Air Screening Level (March 2016). THQ = 0.2.

2420 Ivy Avenue

Results of Laboratory Analysis of Crawlspace and Indoor-Air Samples Collected April 28-29, 2016

Sample I.D.	PCE (ug/m^3)	TCE (ug/m^3)
Crawlspace-1	0.251	<0.107
Basement-1	0.527	0.200
Basement-1 (duplicate)	0.392	<0.107
IASL (1)	8.34	0.417

(1) IHSB Indoor-Air and Crawlspace-Air Screening Level (March 2016). THQ = 0.2.

Outdoor Air

Results of Laboratory Analysis of Sample Collected April 28-20, 2016

Sample I.D.	PCE (ug/m^3)	TCE (ug/m^3)
Outdoor air	0.166	<0.107

TCE was detected in one crawlspace-air sample from 2412 Ivy Avenue but not in the duplicate crawlspace-air sample from the same location. TCE was detected in the basement-air sample from 2420 Ivy Avenue. PCE was detected in all of the crawlspace-air and basement-air samples collected from 2403 Glenn Avenue, 2412 Ivy Avenue, and 2420 Ivy Avenue. All detected TCE and PCE concentrations are below the respective IASLs.

In terms of reproducibility of duplicate-sample analysis results, which is defined by the Relative Percent Difference (calculated as the difference between duplicate-sample analysis results divided by the average), good reproducibility (12% RPD) is indicated by the PCE analysis results for the duplicate crawlspace-air samples from 2412 Ivy Avenue. Lower reproducibility (61% - 115% RPD) is indicated by the TCE analysis results for the duplicate crawlspace-air samples from 2412 Ivy Avenue and the PCE and TCE analysis results for the duplicate basement-air samples from 2420 Ivy Avenue. Despite these higher RPDs, all detected concentrations are below IASLs.

Based on the results of laboratory analysis for the April 2016 crawlspace-air and basement-air samples for 2403 Glenn Avenue, 2412 Ivy Avenue, and 2420 Ivy Avenue, it was deemed unnecessary to analyze any of the living-space air samples collected from the homes and held by the laboratory. In accordance with DWM/IHSB policy and guidance, results of the VI assessment indicate no significant potential for significant human exposure to PCE/TCE through vapor intrusion for the homes evaluated.

6.0 KABA ILCO CERTIFICATION

I certify that, to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete.

Michael Kincaid, Chief Operating Officer, Executive Vice President, Access Solutions AMER
Name/Title

Signature

May 23, 2016
Date

7.0 CONSULTANT CERTIFICATION

I certify that, to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete.

Peter J. Dressel, President, Piedmont Geologic, P.C.
Name/Title

Peter J. Dressel
Signature

May 23, 2016
Date

8.0 REFERENCES

LeGrand, H.E., 1988, *Region 21, Piedmont and Blue Ridge*; *in* Back, W., Rosenshein, J.S., and Seaber, P.R., eds., Hydrogeology; Boulder, Colorado, Geological Society of America, The Geology of North America, v. 0-2.

North Carolina Geological Survey, 1985, *Geologic Map of North Carolina*.

Piedmont Geologic, June 15, 2015, *Workplan for Soil-Vapor Assessment*, Kaba Ilco Corp.

Piedmont Geologic, February 5, 2016, *Offsite Soil-Vapor Assessment Report: Phase II*, Kaba Ilco Corp.

FIGURES

FIGURE 1: SITE LOCATION MAP

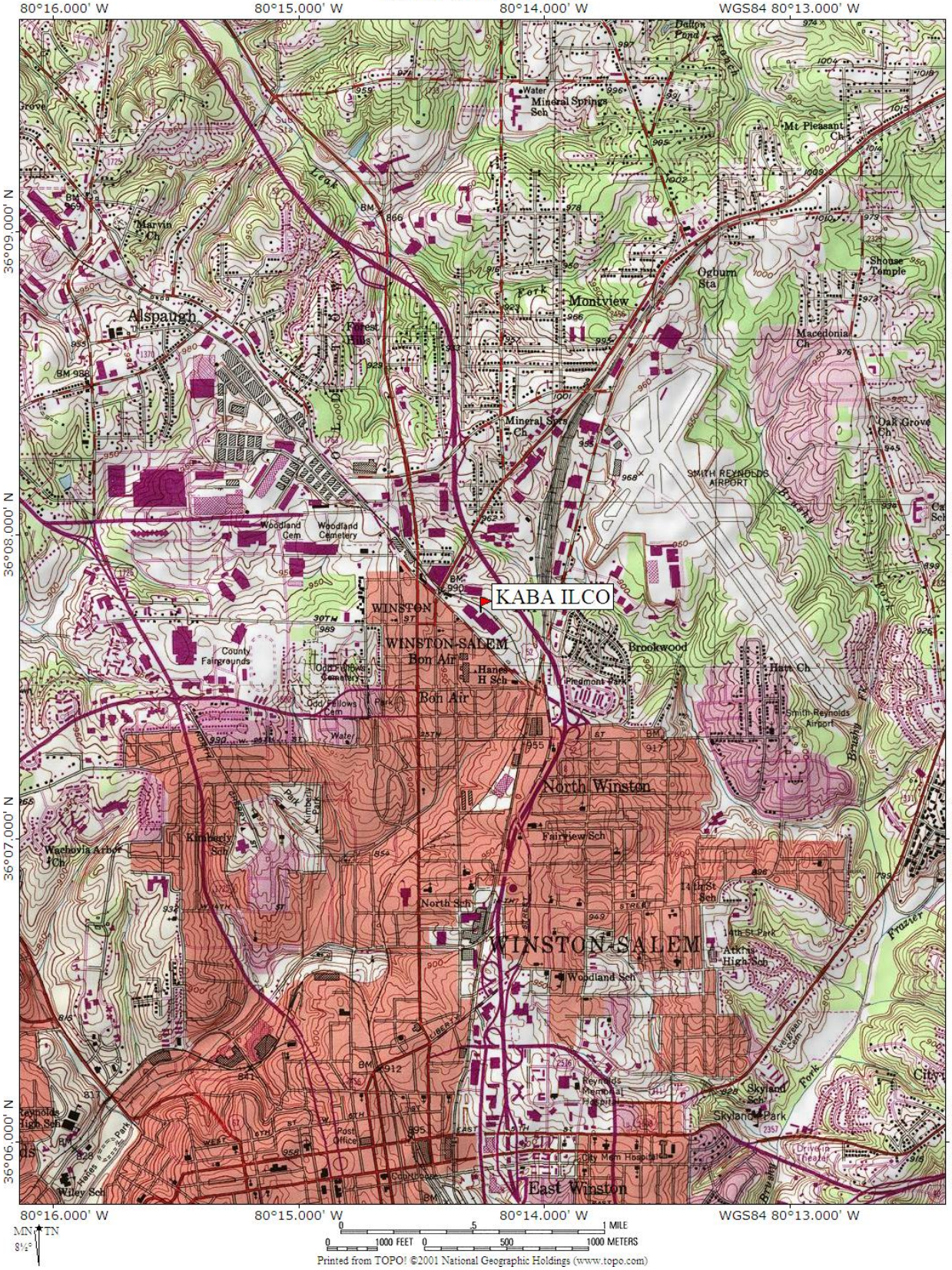
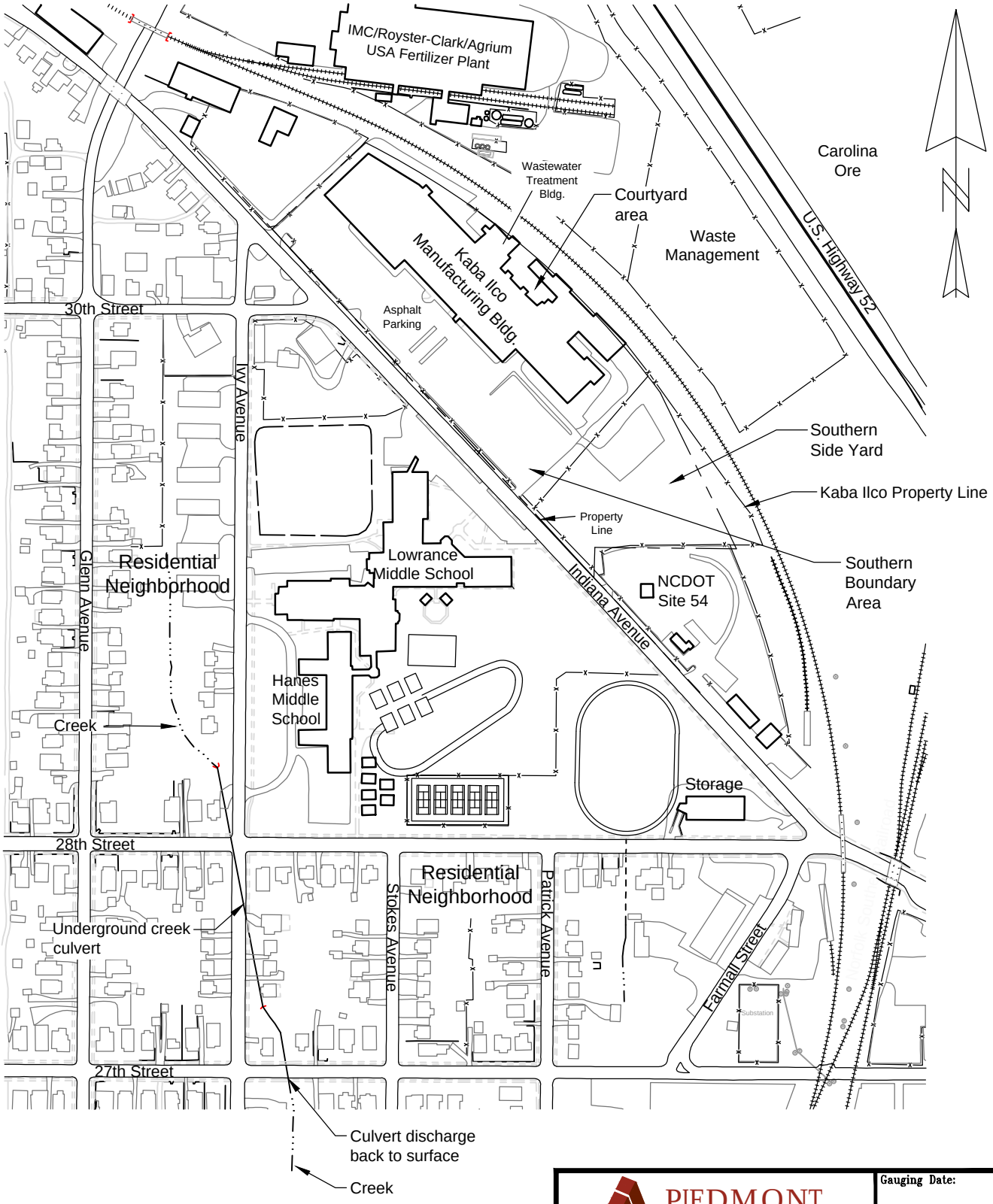


FIGURE 1

SITE LOCATION MAP

KABA ILCO – WINSTON-SALEM, NC

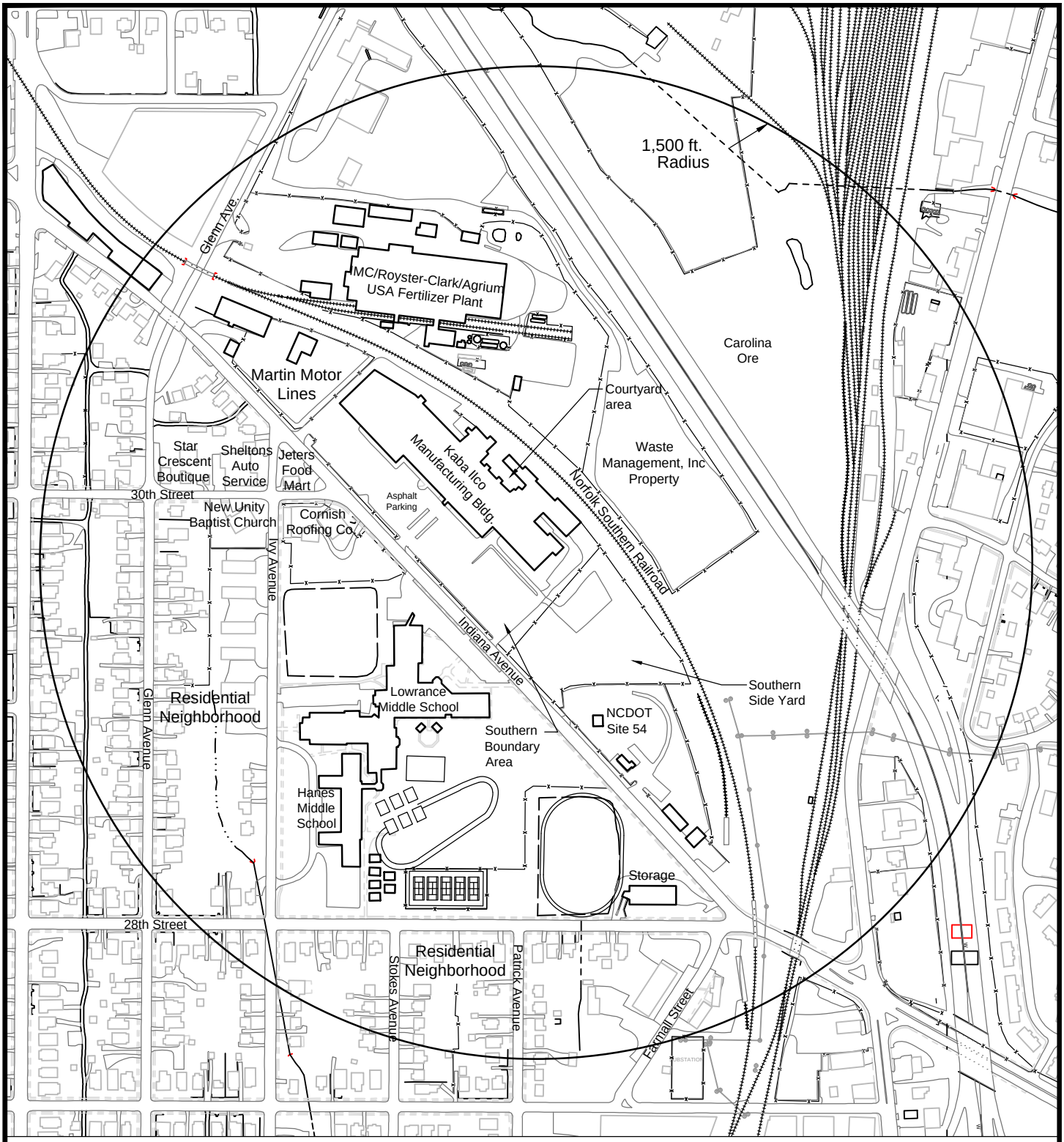


Scale (in ft.)

0 350' 700'

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date:		
Drawing Date: 4/22/14		
ACAD File: Fig 2.dwg		
Designed: PD	Facility Map	
Detailed: PD	Client: Kaba Ilco Corporation	Project No.: 1464
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina	Figure: 2



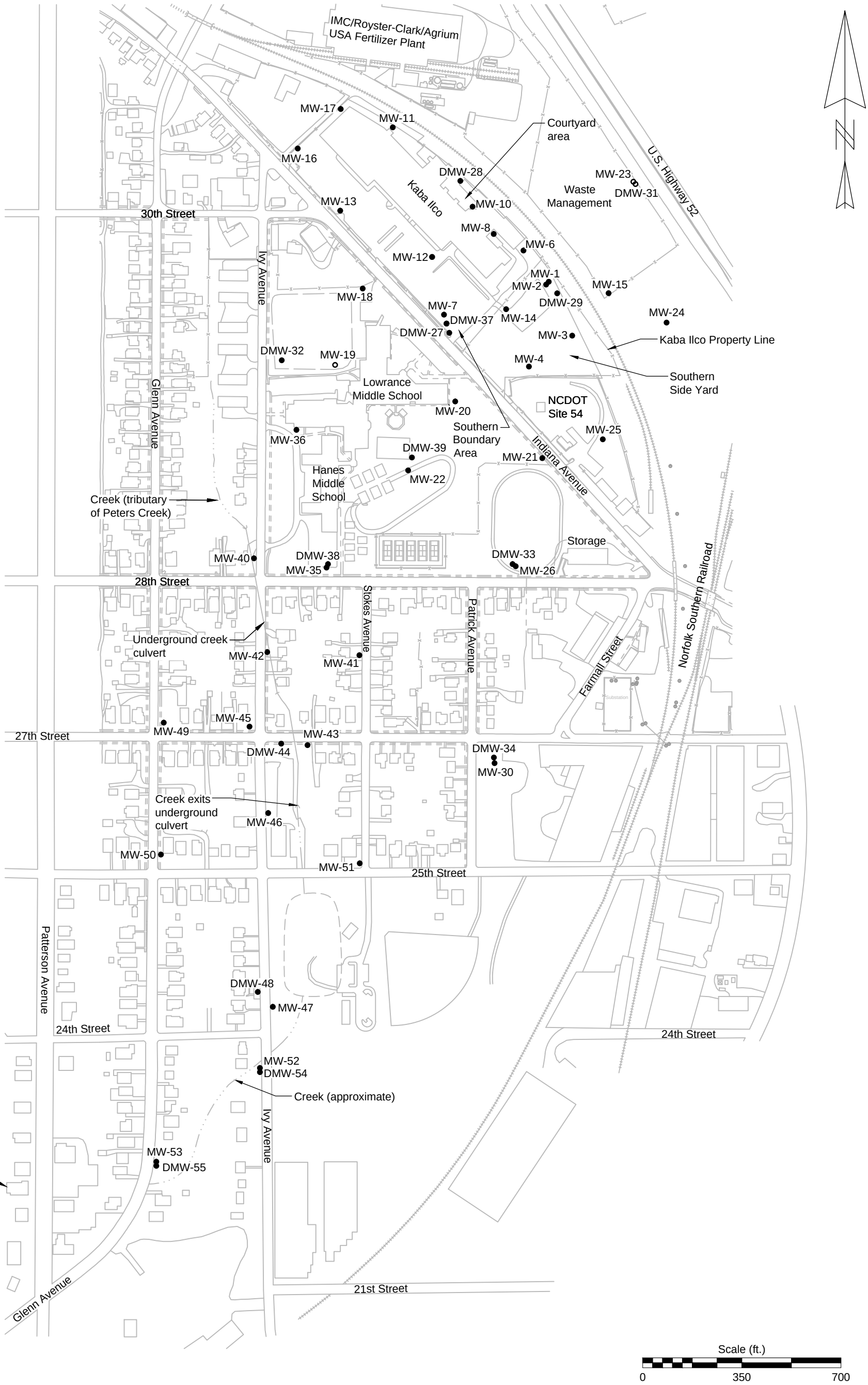
N

Scale (in ft.)

0 425' 850'

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date:		
Drawing Date: 4/22/14		
ACAD File: Fig 3.dwg		
Designed: PD	Area Map	
Detailed: PD	Client: Kaba Ilco Corporation	Project No.: 1464
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina	Figure: 3



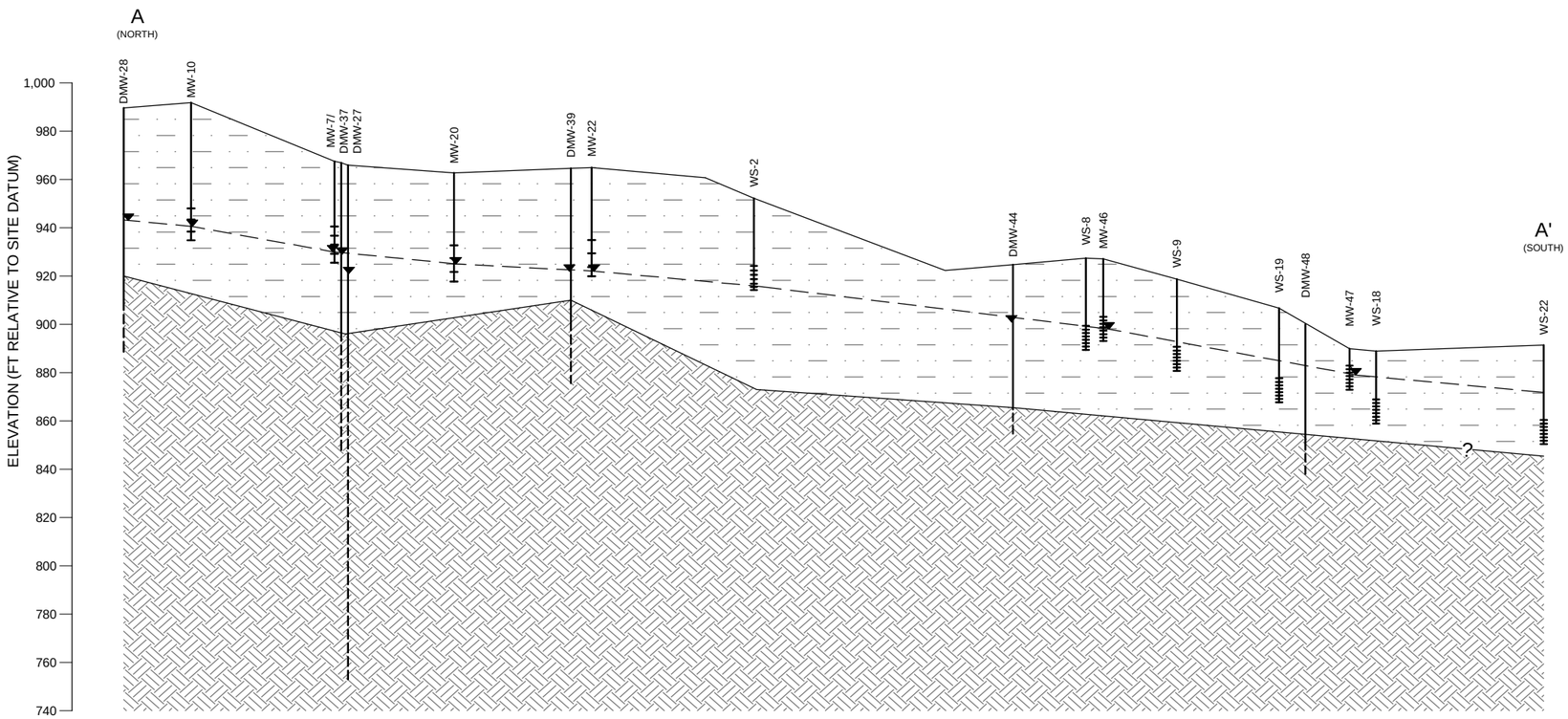
LEGEND

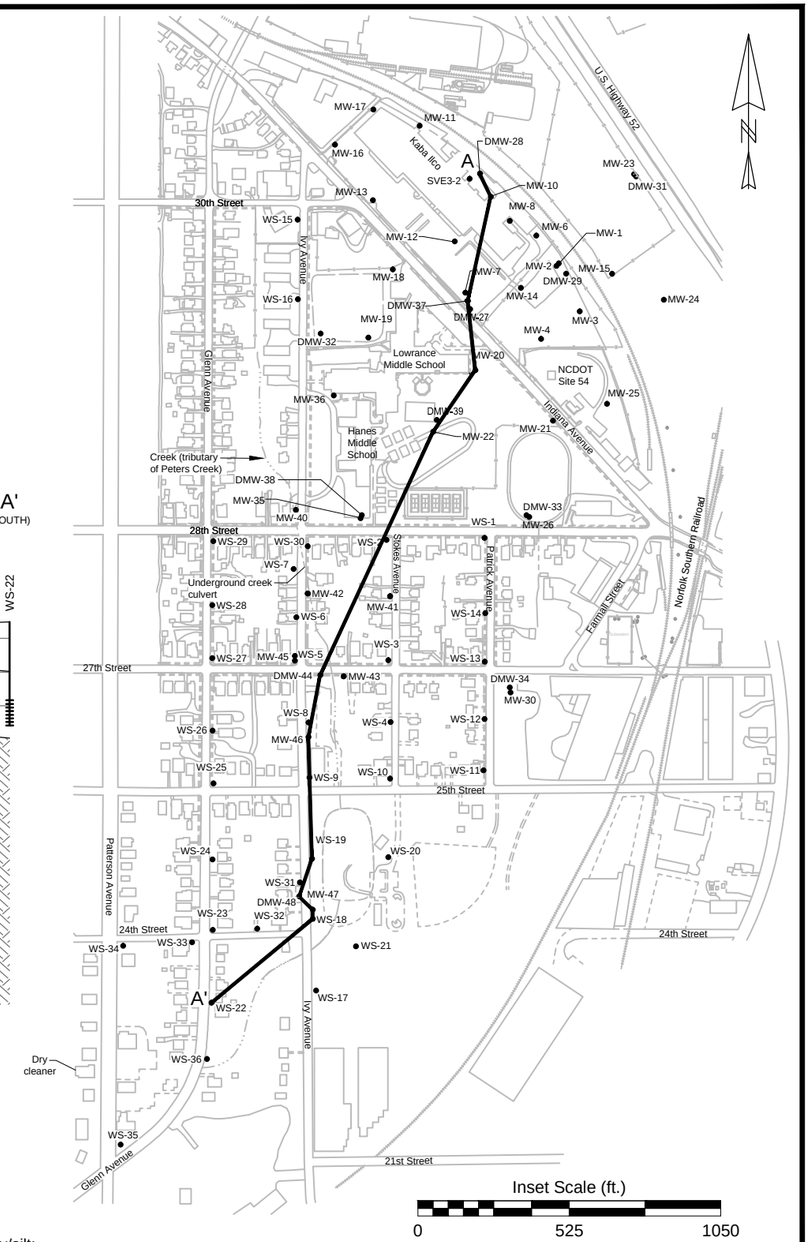
MW-1 Monitoring well

MW-19 Decommissioned monitoring well

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date:	
Drawing Date:	4/15/16
ACAD File:	Fig 4.dwg
Designed: PD	Locations of Monitoring Wells
Detailed: PD	Client: Kaba Ilco Corporation
Project No.:	1604
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina
Figure:	4





Inset Scale (ft.)

0 525 1050

LEGEND

- Well casing
- Well screen
- Open hole in bedrock
- Groundwater potentiometric surface (Sept. 2015)
- Water table (Sept. 2015)

Note: Wells with "WS-" prefix are City of Winston-Salem wells installed in 2015.

Overburden: (Saprolite)	Silty/clayey sand; sandy clay/silt; micaceous; sone zones of residual bedrock; redish-brown and brown with tan, gray, white mottles/stringers; increasing hardness with depth.
Bedrock:	Gneiss, schist, and diorite

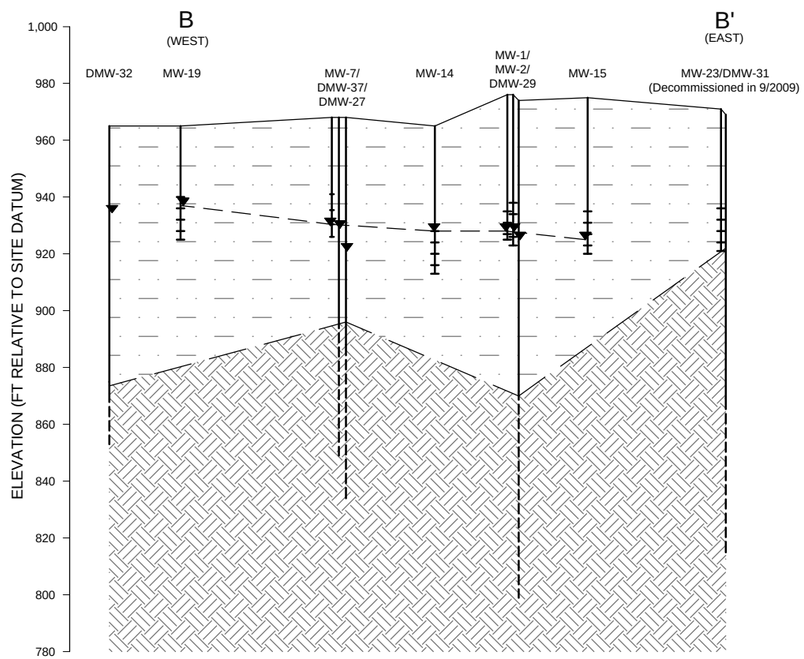
Horizontal Scale (ft.)

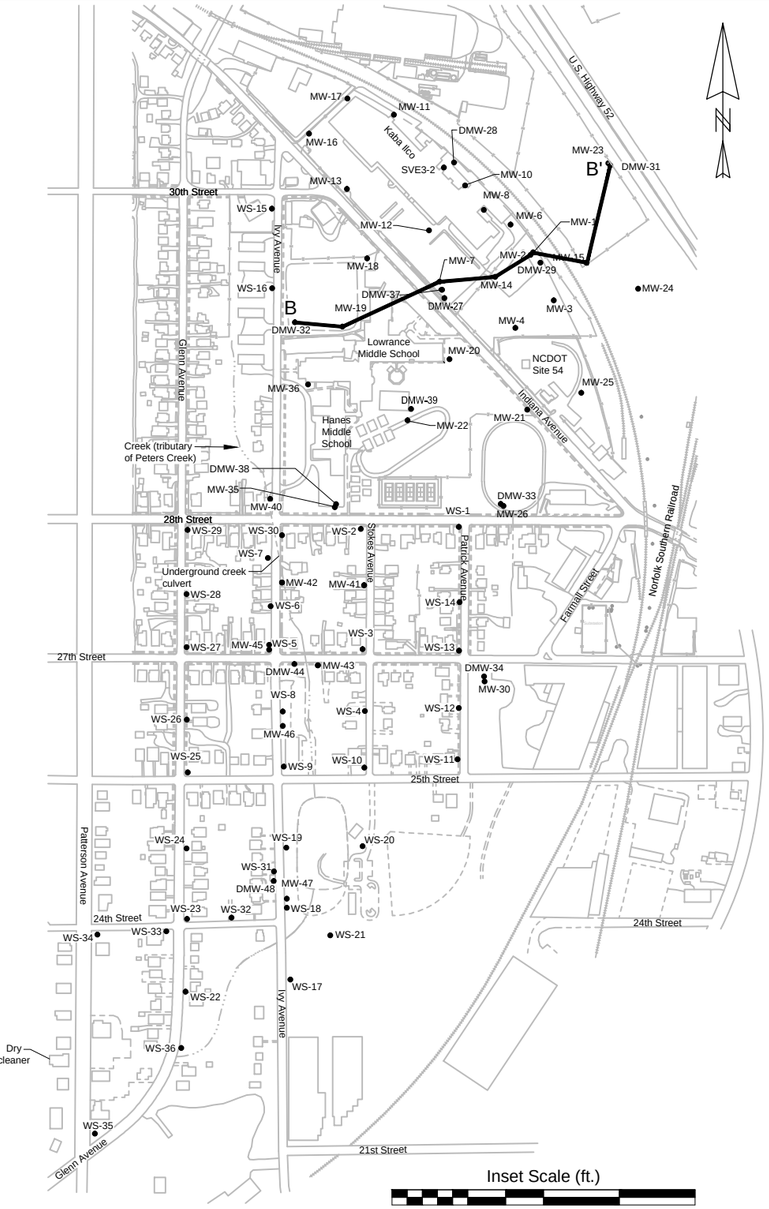
0 400 800

Vertical Scale = 1":60'

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date:		
Drawing Date: 12/4/15		
ACAD File: Fig 5.dwg		
Designed: PD	Geologic Cross-Section A-A'	
Detailed: PD	Client: Kaba Ilco Corp.	Project No.: 1504
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina	Figure: 5





Inset Scale (ft.)

0 525 1050

Horizontal Scale (ft.)

0 400' 800'

Vertical Scale = 1":60'

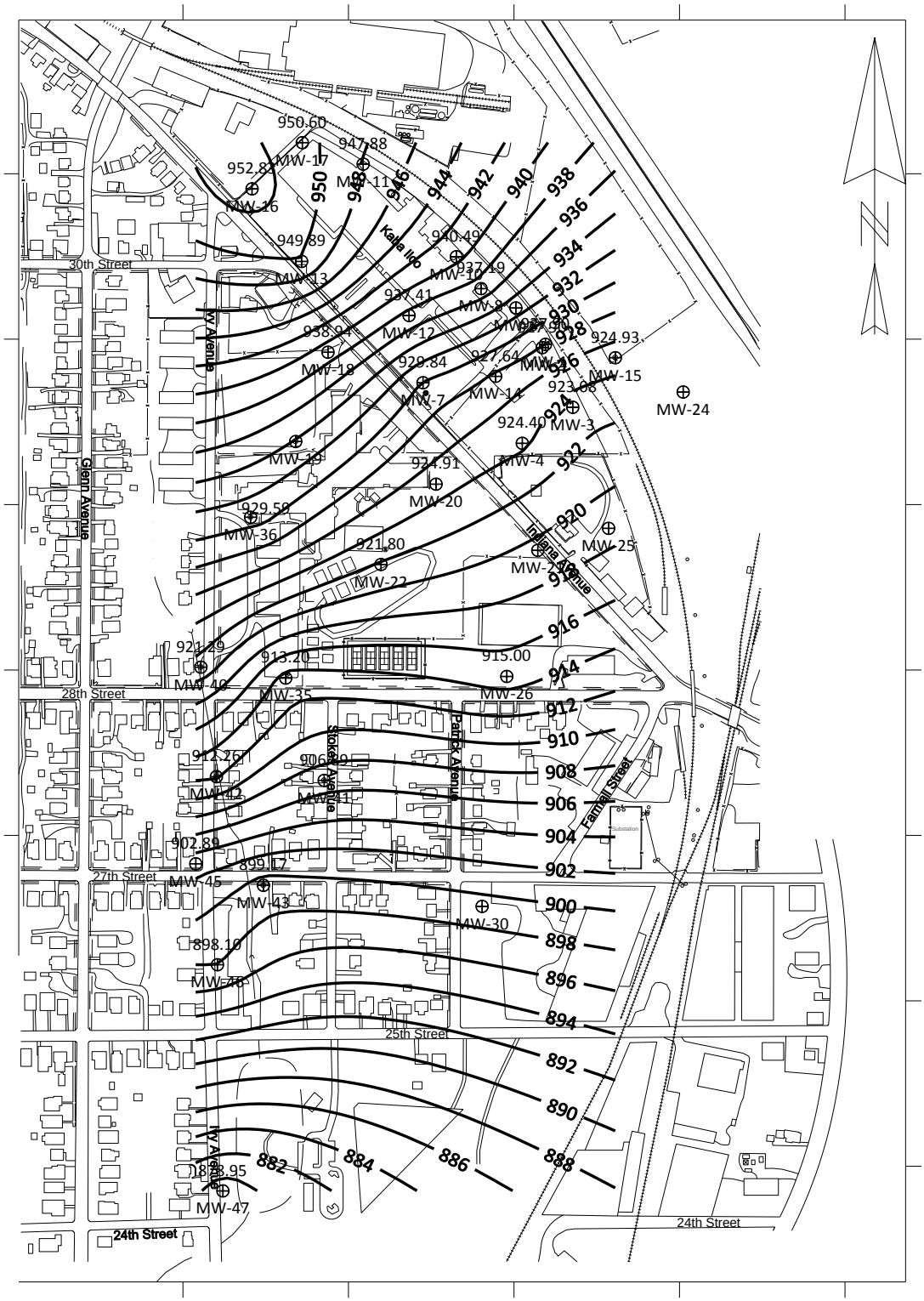
LEGEND

- Well casing
- Well screen
- Open hole in bedrock
- Groundwater potentiometric surface (Sept. 2015)
- Water table (Sept. 2015)

Overburden: (Saprolite)	Silty/clayey sand; sandy clay/silt; micaceous; sone zones of residual bedrock; redish-brown and brown with tan, gray, white mottles/stringers; increasing hardness with depth.
Bedrock:	Gneiss, schist, and diorite

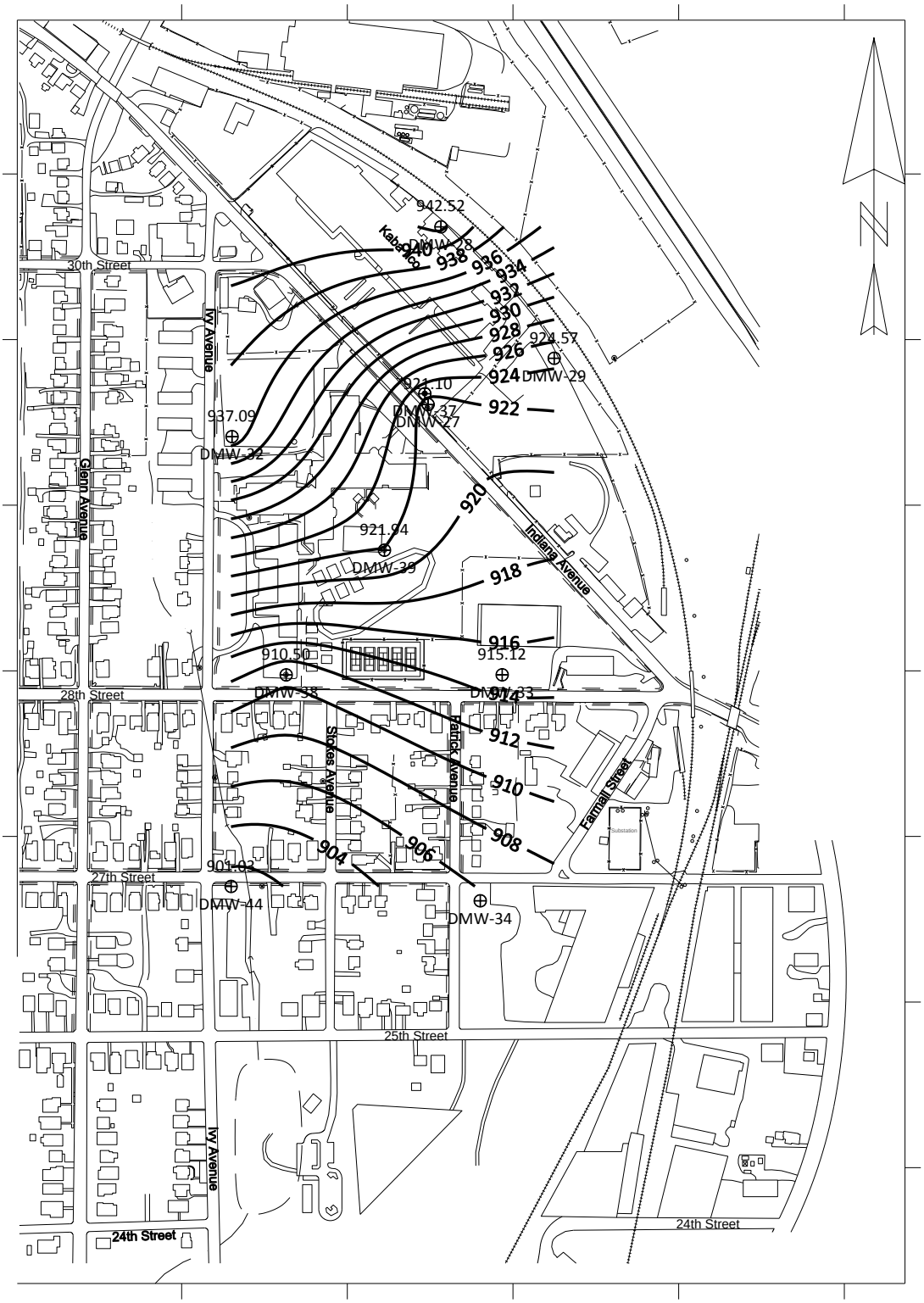
PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date:	
Drawing Date:	12/4/15
ACAD File:	Fig 6.dwg
Designed: PD	Geologic Cross Section B-B'
Detailed: PD	Client: Kaba Ilco Corp.
Project No.:	1504
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina
Figure:	6



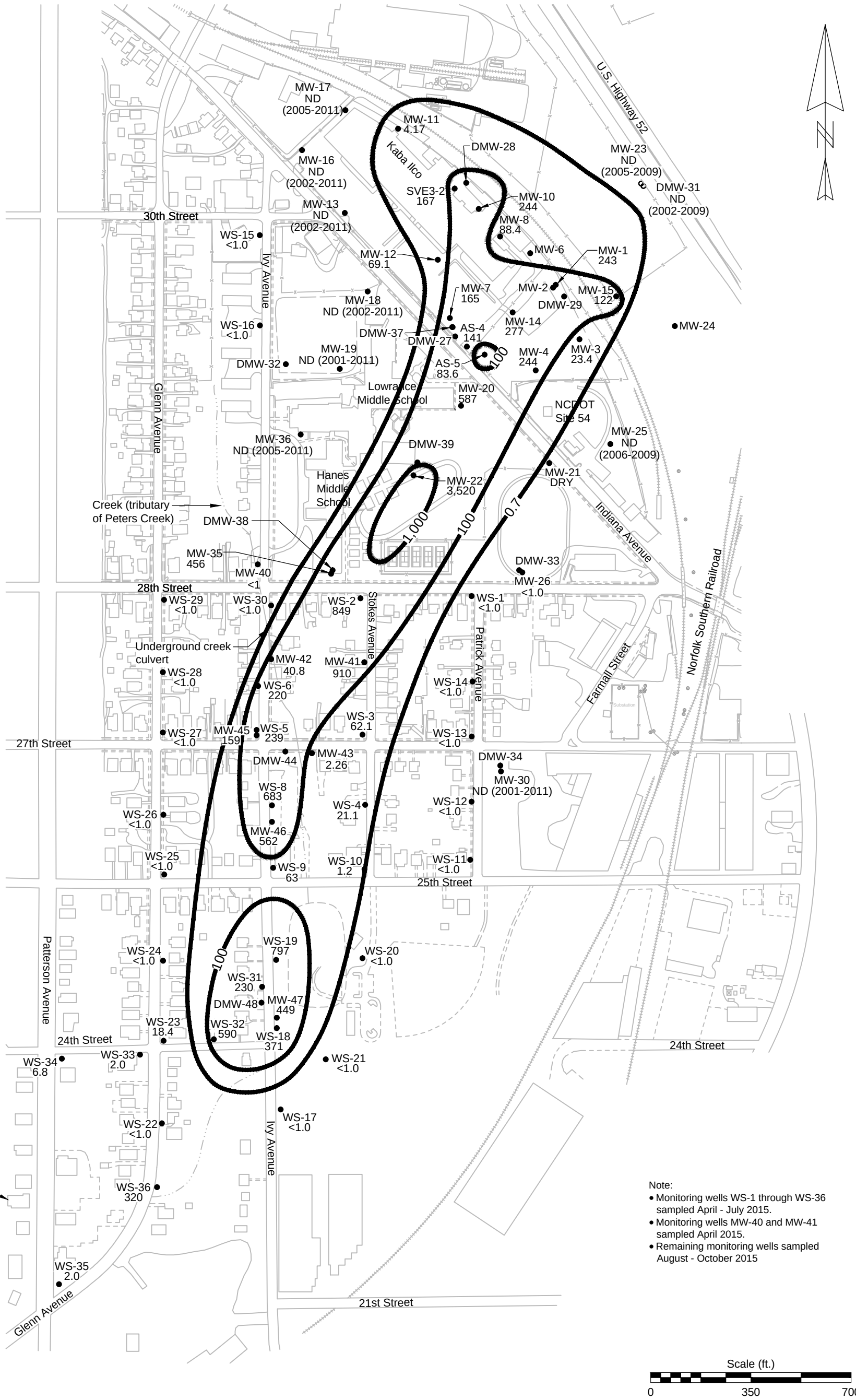
Contours in feet relative to site datum

Figure 7
Saprolite Groundwater Potentiometric-Surface Contour Map: September 21, 2015
Kaba Ilco: Winston-Salem, NC



Contours in feet relative to site datum

Figure 8
Bedrock Groundwater Potentiometric-Surface Contour Map: September 21, 2015
Kaba Ilco: Winston-Salem, NC



Note:
- Monitoring wells WS-1 through WS-36 sampled April - July 2015.
- Monitoring wells MW-40 and MW-41 sampled April 2015.
- Remaining monitoring wells sampled August - October 2015

Scale (ft.)
0 350 700

LEGEND

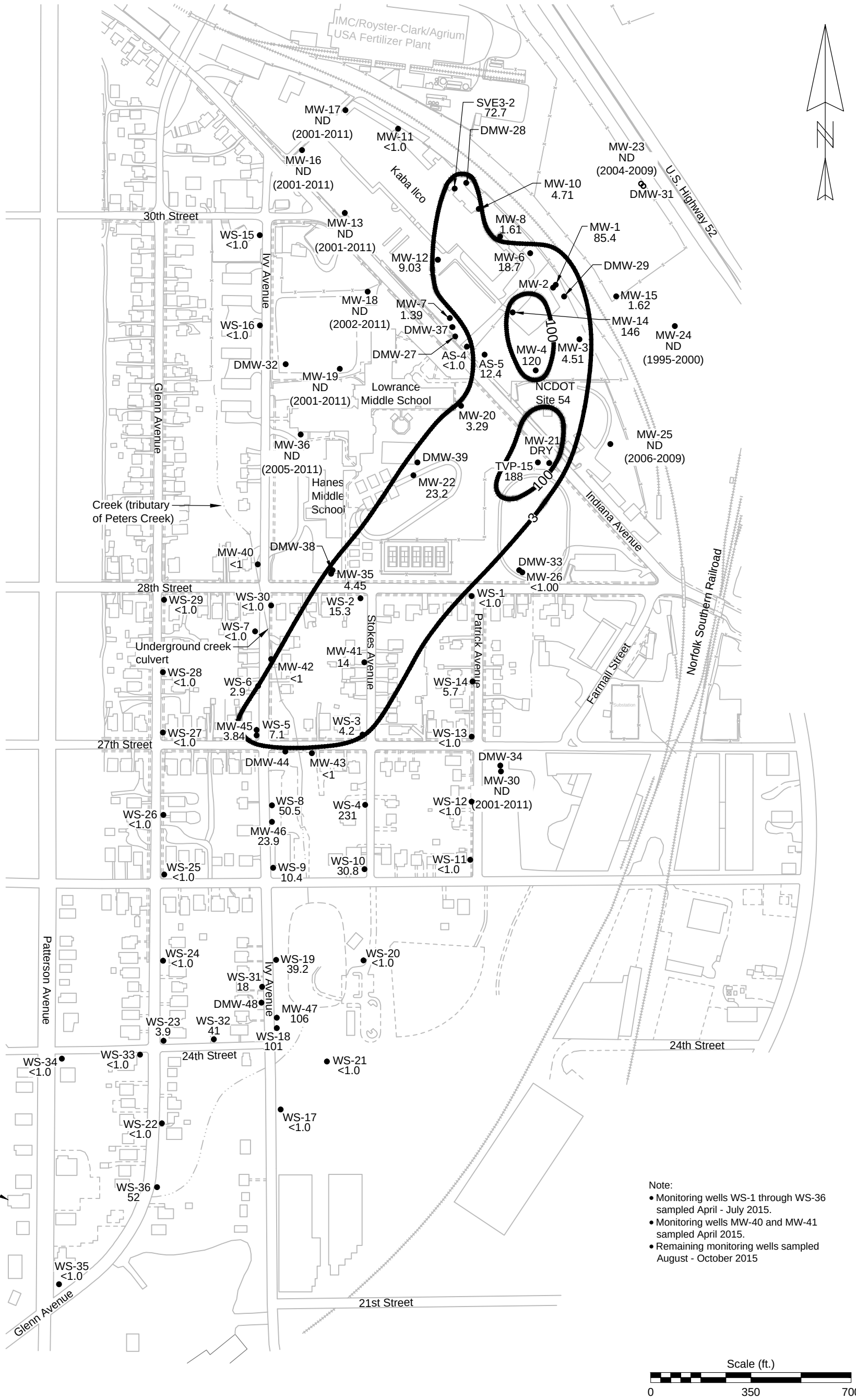
MW-1 ● 243 — Shallow monitoring well with groundwater PCE concentration (µg/L)

MW-23 ○ — Decommissioned monitoring well

100 — PCE isoconcentration contour (µg/L)

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date:	9/14 - 8/15
Drawing Date:	12/4/15
ACAD File:	Fig 12.dwg
Designed: PD	Saprolite Groundwater PCE Isoconcentration Contour Map: April - October 2015
Detailed: PD	Client: Kaba Ilco Corporation
Project No.:	1504
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina
Figure:	9



Note:
- Monitoring wells WS-1 through WS-36 sampled April - July 2015.
- Monitoring wells MW-40 and MW-41 sampled April 2015.
- Remaining monitoring wells sampled August - October 2015

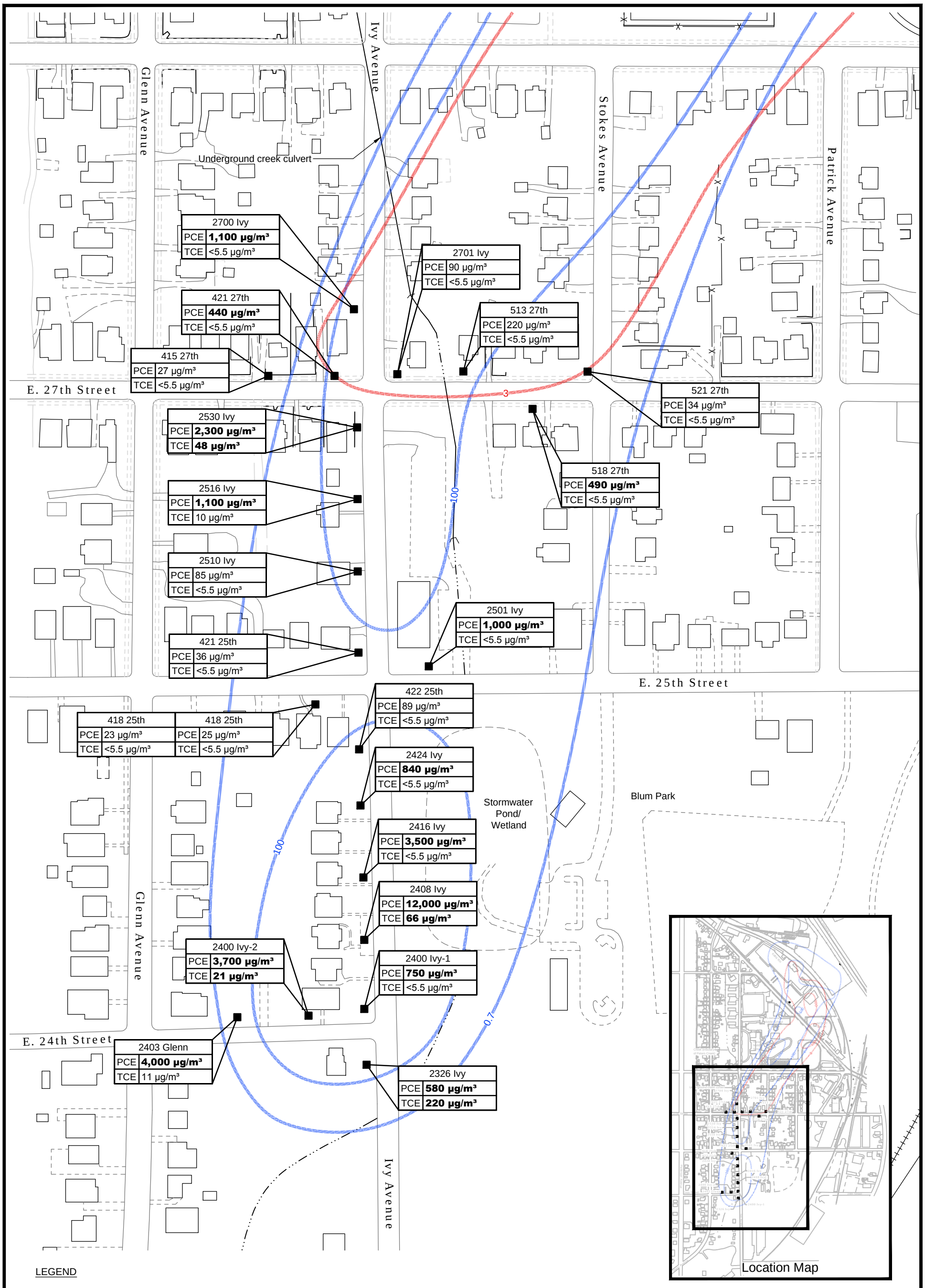
Scale (ft.)
0 350 700

LEGEND

MW-1 ● 85.4	Monitoring well with groundwater TCE concentration (µg/L)
MW-23 ○	Decommissioned monitoring well
—100—	TCE Isoconcentration contour(µg/L)

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date: 9/14 - 8/15		
Drawing Date: 12/4/15		
ACAD File: Fig 13.dwg		
Designed: PD	Saprolite Groundwater TCE Isoconcentration Contour Map: April - October 2015	
Detailed: PD	Client: Kaba Ilco Corporation	Project No.: 1504
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina	Figure: 10



LEGEND

2701 Ivy — Soil-vapor implant

2326 Ivy	
PCE	**580 µg/m³**
TCE	**220 µg/m³**

Results of January 14, 2016 soil-vapor sample analysis

Note: Concentrations in bold type are above IHSB Soil-Gas Screening Level.

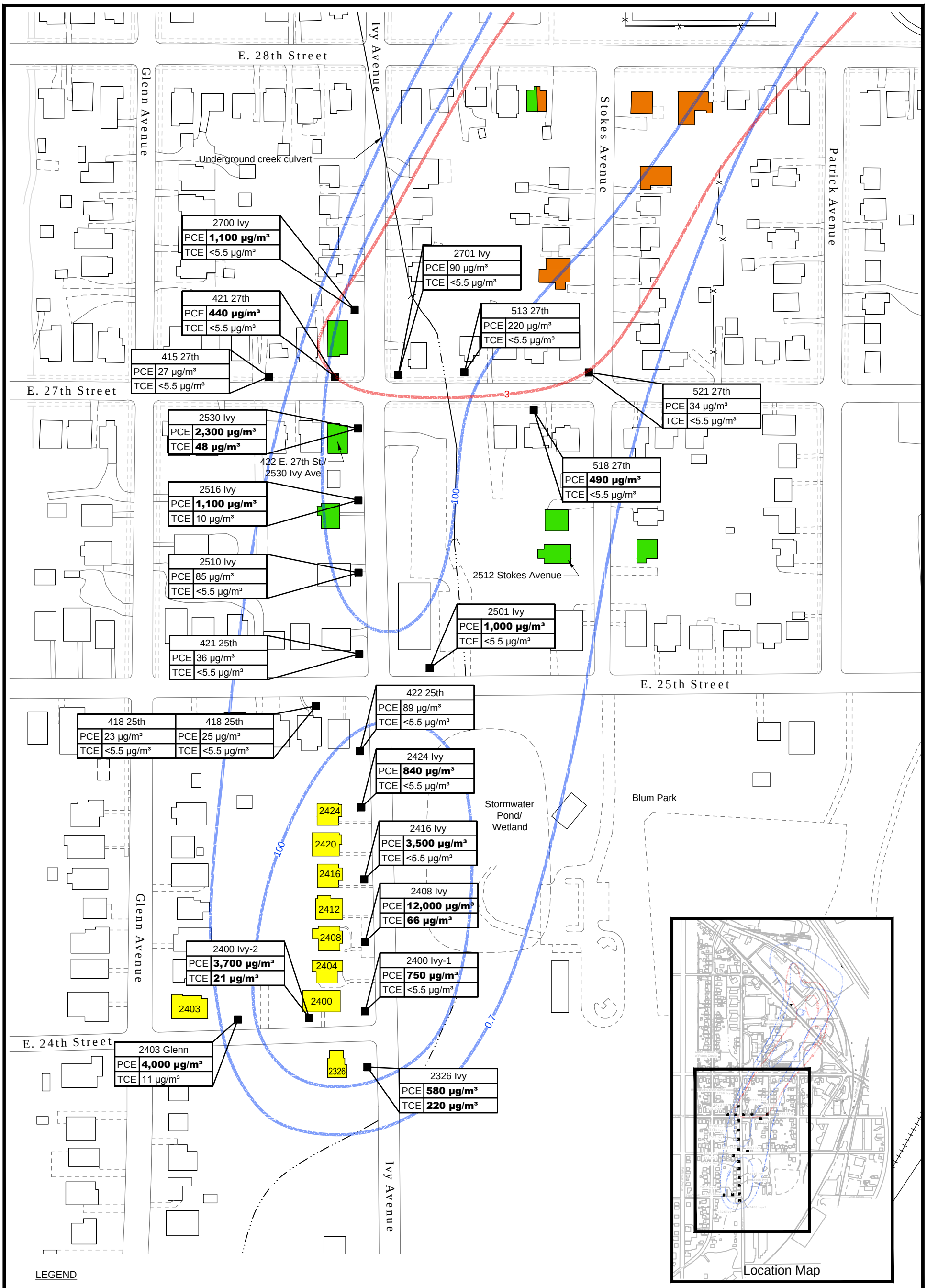
100 — Groundwater PCE isoconcentration contour (µg/L): April - October 2015

100 — Groundwater TCE isoconcentration contour (µg/L): April - October 2015

Scale (ft.)
0 150 300

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date:	1/14/16
Drawing Date:	5/9/16
ACAD File:	Fig 11.dwg
Designed: PD	Results of Laboratory Analysis of January 2016 Soil-Vapor Samples
Detailed: PD	Client: Kaba Ilco Corporation
Project No.:	1623
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina
Figure:	11



LEGEND

2701 Ivy — Soil-vapor implant

2326 Ivy	
PCE	**580 µg/m³**
TCE	**220 µg/m³**

Results of January 14, 2016 soil-vapor sample analysis

Note: Concentrations in bold type are above IHSB Soil-Gas Screening Level.

100 — Groundwater PCE isoconcentration contour (µg/L): April - October 2015

100 — Groundwater TCE isoconcentration contour (µg/L): April - October 2015

Residence selected for vapor-intrusion assessment

Sub-slab soil-vapor, crawlspace-air, and/or indoor-air sampling/analysis previously completed by Kaba Ilco

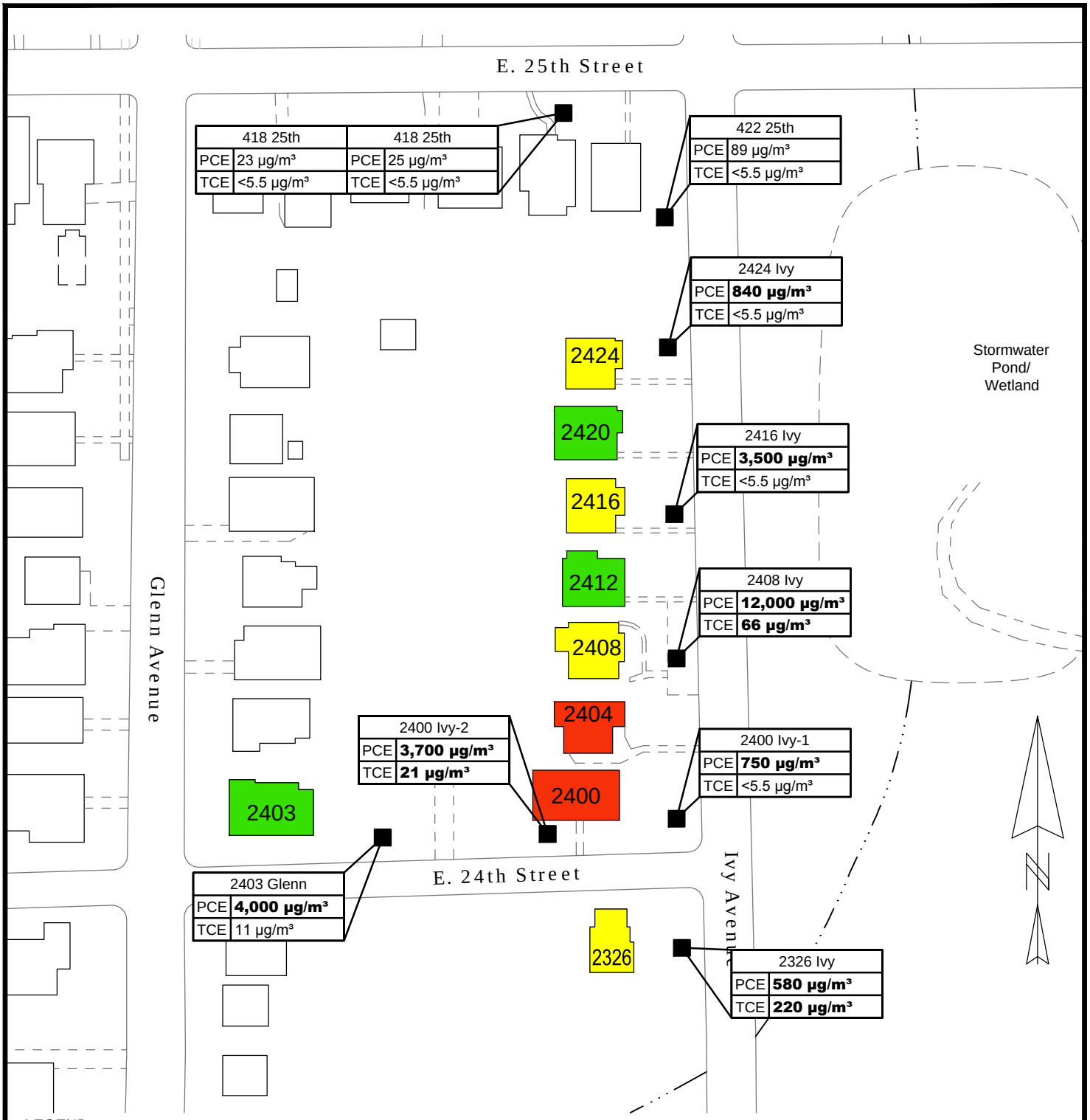
Sub-slab soil-vapor, crawlspace-air, and/or indoor-air sampling/analysis previously completed by City of Winston-Salem

Scale (ft.)

0 150 300

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date:	1/14/16
Drawing Date:	5/9/16
ACAD File:	Fig 12.dwg
Designed: PD	Homes Selected for Vapor-Intrusion Assessment
Detailed: PD	Client: Kaba Ilco Corporation
Project No.:	1623
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina
Figure:	12



LEGEND

Residence selected for vapor-intrusion assessment: No response to access permission request received.

Residence selected for vapor-intrusion assessment: Access permission granted.

Residence selected for vapor-intrusion assessment: Request for access permission denied.

2701 Ivy ■ Soil-vapor implant

PCE	**580 µg/m³**
TCE	**220 µg/m³**

Results of January 14, 2016 soil-vapor sample analysis

Note: Concentrations in bold type are above IHSB Soil-Gas Screening Level.

Scale (ft.)

0 100 200

PIEDMONT GEOLOGIC
SMART EARTH SOLUTIONS

Gauging Date:	1/14/16
Drawing Date:	5/9/16
ACAD File:	Fig 13.dwg
Designed: PD	Results of Home Access Requests
Detailed: PD	Client: Kaba Ilco Corporation
Project No.:	1623
Checked: PD	Location: 2941 Indiana Avenue Winston-Salem, North Carolina
Figure:	13

TABLES

TABLE 1
GROUNDWATER MONITORING AND REMEDIATION WELL CONSTRUCTION DETAILS

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

GROUNDWATER MONITORING WELLS							
Well No.	**Date Installed**	**Total Depth (1)**	**Outer Casing Depth (1)**	**Outer Casing I.D. (in.)**	**Well I.D. (in.)**	**Screen Interval (1)**	**TOC Elev. (2)**
MW-1	4/1/1992	51	15	6	2	41-51	978.74
MW-2	12/11/1993	53	n/a	n/a	2	38-53	979.10
MW-3	12/14/1993	48	n/a	n/a	2	33-48	967.63
MW-4	12/14/1993	52	n/a	n/a	2	37-52	974.73
MW-6	6/30/1994	48	n/a	n/a	2	38-48	980.78
MW-7	3/15/1995	42	n/a	n/a	2	27-42	967.44
MW-8	3/16/1995	54	n/a	n/a	2	39-54	984.79
MW-10	5/11/1995	57	n/a	n/a	2	42-57	991.74
MW-11	5/10/1995	55	n/a	n/a	2	40-55	988.37
MW-12	5/9/1995	54	n/a	n/a	2	39-54	981.70
MW-13	5/9/1995	39	n/a	n/a	2	24-39	978.97
MW-14	5/8/1995	52	n/a	n/a	2	37-52	974.35
MW-15	5/11/1995	55	n/a	n/a	2	40-55	977.89
MW-16	7/11/1995	43	n/a	n/a	2	28-43	985.21
MW-17	5/10/1995	50	n/a	n/a	2	35-50	988.32
MW-18	7/11/1995	38	n/a	n/a	2	23-38	972.94
MW-20	7/12/1995	45	n/a	n/a	2	30-45	962.64
MW-21	7/13/1995	34	n/a	n/a	2	19-34	952.66
MW-22	7/12/1995	45	n/a	n/a	2	30-45	964.84
MW-24	7/14/1995	52	n/a	n/a	2	37-52	966.09
MW-25	12/14/1995	40	n/a	n/a	2	25-40	956.48
MW-26	12/5/1995	30	n/a	n/a	2	15-30	939.30
DMW-27	12/11/1995	213 (3)	80	6.25	6*	80-213*	965.91
DMW-28	12/11/1995	101	80	6.25	6*	80-101*	989.60
DMW-29	12/11/1995	175	116	6.25	6*	116-175*	973.86
MW-30	2/8/1996	25	n/a	n/a	2	10-25	919.42
DMW-32	10/30/1998	112	94	6.25	6*	94-112*	964.26
DMW-33	10/29/1998	141	102	6.25	6*	102-141*	939.17
DMW-34	3/3/1999	102	89	6.25	6*	89-102*	919.97
MW-35	7/16/2001	50	n/a	n/a	2	40-50	957.22
MW-36	8/19/2005	40	n/a	n/a	2	20-40	952.20
DMW-37	9/13/2007	119	71	4	3.25*	71-119*	966.91
DMW-38	12/29/2012	105	89	6.25	2	100-105	957.55
DMW-39	12/29/2012	89	64	6.25	6*	64-89*	964.59
MW-40	4/7/2015	20	n/a	n/a	2	10-20	937.91
MW-41	4/7/2015	39	n/a	n/a	2	29-39	941.90
MW-42	4/6/2015	20	n/a	n/a	2	10-20	925.10
MW-43	4/7/2015	20	n/a	n/a	2	10-20	918.85
DMW-44	4/22/2015	70	60	6.25	6*	60-70*	924.70
MW-45	8/3/2015	30	n/a	n/a	2	20-30	930.35
MW-46	8/3/2015	34	n/a	n/a	2	24-34	927.08
MW-47	8/3/2015	17	n/a	n/a	2	7-17	889.91
DMW-48	10/1/2015	62	52	6.25	6*	52-62*	900.03

(continued)

TABLE 1 (continued)
GROUNDWATER MONITORING AND REMEDIATION WELL CONSTRUCTION DETAILS

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

GROUNDWATER MONITORING WELLS (CONTINUED)							
Well No.	**Date Installed**	**Total Depth (1)**	**Outer Casing Depth (1)**	**Outer Casing I.D. (in.)**	**Well I.D. (in.)**	**Screen Interval (1)**	**TOC Elev. (2)**
MW-49	4/12/2016	48	n/a	n/a	2	38-48	948.19
MW-50	4/13/2016	46	n/a	n/a	2	36-46	953.63
MW-51	4/13/2016	21	n/a	n/a	2	11-21	904.00
MW-52	4/12/2016	15	n/a	n/a	2	5-15	883.57
MW-53	4/14/2016	15	n/a	n/a	2	5-15	878.06
DMW-54	4/7/2016	83	n/a	6	6*	73-83*	883.37
DMW-55	4/7/2016	70	n/a	6	6*	53-70*	877.61
COURTYARD REMEDIATION WELLS							
Well No.	**Date Installed**	**Total Depth (1)**	**Outer Casing Depth (1)**	**Outer Casing I.D. (in.)**	**Well I.D. (in.)**	**Screen Interval (1)**	**TOC Elev. (2)**
SVE-1	5/9/2000	30	n/a	n/a	4	10-30	NS
SVE-2-1	8/9/2000	30	n/a	n/a	4	10-30	NS
SVE-2-2	8/9/2000	50	n/a	n/a	4	30-50	NS
SVE-3-1	8/9/2000	30	n/a	n/a	4	10-30	NS
SVE-3-2	8/9/2000	50	n/a	n/a	4	30-50	NS
SOUTHERN BOUNDARY AND OFF-SITE REMEDIATION AND OBSERVATION WELLS							
Well No.	**Date Installed**	**Total Depth (1)**	**Outer Casing Depth (1)**	**Outer Casing I.D. (in.)**	**Well I.D. (in.)**	**Screen Interval (1)**	**TOC Elev. (2)**
AS-1	1/7/2008	51	n/a	n/a	2	41-51	NS
AS-2	8/14/2008	43	n/a	n/a	2	38-43	NS
AS-3	8/14/2008	61	n/a	n/a	2	56-61	NS
AS-4	8/12/2008	65	n/a	n/a	2	60-65	NS
AS-5	8/14/2008	54	n/a	n/a	2	49-54	NS
GWE-1	7/10/2014	113	n/a	n/a	6	33-113	957.61
GWE-2d	7/14/2014	183	65	6	6*	65-183*	962.62
GWE-2s	7/14/2014	65	n/a	n/a	6	35-65	962.84
GWE-3d	11/6/2014	183	82	6	6*	82-183*	966.30
GWE-3s	11/5/2014	82	n/a	n/a	6	52-82	965.54
SVE-1	5/31/1996	55	n/a	n/a	6	25-55	NS
SVE-2	8/13/2008	35	n/a	n/a	4	15-35	NS
SVE-3	8/13/2008	35	n/a	n/a	4	15-35	NS
SVE-4	8/12/2008	35	n/a	n/a	4	15-35	NS
SVE-5	8/13/2008	35	n/a	n/a	4	15-35	NS
OW-1	5/31/1996	40	n/a	n/a	2	30-40	NS
OW-2	5/31/1996	40	n/a	n/a	2	30-40	NS

(1) Measured in feet below ground.
(2) Measured in feet relative to site datum.
(3) The open-hole boring in bedrock for DMW-27 was deepened from 134 feet to 213 feet in July 2014, for for potential use as a groundwater-extraction well.
TOC = Top of casing.
* Open-hole in bedrock. Well I.D. refers to open hole diameter and screen interval refers to open hole interval.

TABLE 2
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-1	4/9/1992	**7,400**	**6,300**	**1,500**	**5,700**	<1,000
	9/27/2000	**2,580**	**1,500**	**448**	**1,170**	<100
	9/11/2001	**2,710**	**1,460**	292	**785**	<100
	10/3/2002	**1,950**	**1,030**	262	**438**	<40
	12/18/2003	**1,700**	**826**	277	**336**	<20
	9/30/2004	**1,780**	**909**	201	**265**	<20
	12/17/2002	**2,000**	**930**	206	**280**	<40
	4/21/2005	**1,460**	**769**	153	**214**	<40
	11/17/2005	**2,610**	**1,150**	3.8	**<2**	<2
	4/5/2006	**1,720**	**759**	174	**172**	14
	11/3/2006	**2,380**	**1,020**	<100	<100	<100
	10/15/2007	**1,900**	**777**	319	167	18.7
	4/1/2008	**1,680**	**899**	194	151	20.2
	9/30/2008	**1,320**	**591**	170	117	<20.0
	3/12/2009	**1,060**	**508**	100	82.4	16.0
	9/25/2009	**1,100**	**570**	140	90.6	<20
	3/2/2010	**1,610**	**660**	136	94.4	17.7
	9/27/2010	**1,400**	**506**	123	78.8	15.7
	4/13/2011	**888**	**357**	87.1	58.0	13.9
	9/1/2011	**1,170**	**378**	74.8	49.7	15.9
	3/13/2012	**970**	**385**	57.3	36.3	13.3
	9/5/2012	**916**	**349**	47.9	29.5	11.2
	3/11/2013	**694**	**281**	35.7	22.2	11.3
	9/10/2013	**682**	**263**	30.4	18.7	9.9
	3/19/2014	**670**	**261**	32.3	15.9	10.0
	9/17/2014	**517**	**193**	20.5	10.3	7.7
	3/16/2015	**522**	**162**	18.0	<10.0	7.8
	9/22/2015	**243**	**85.4**	8.67	5.43	<5.00
MW-2	12/20/1993	**1,870**	**2,000**	**470**	**900**	<5
	(duplicate)	<25	**390**	<25	2.1	<25
	3/30/1995	**5,100**	**4,000**	**930**	**2,000**	<250
	8/15/1997	**3,920**	**1,830**	**927**	**1,970**	<100
	4/15/1999	**2,080**	**1,580**	**595**	**851**	<100
	9/27/2000	**1,400**	**834**	282	**705**	<100
	9/11/2001	**89**	**123**	69	72	7.8
	10/3/2002	**653**	**439**	217	**231**	21
	12/18/2003	**974**	**599**	244	192	17
	12/16/2004	**1,960**	**1,050**	95	103	14
	11/17/2005	**2,050**	**1,030**	142	121	15
	11/3/2006	**2,820**	**1,110**	<100	<100	<100
	3/27/2007	**2,730**	**1,130**	218	**201**	<100
	10/15/2007	**1,530**	**720**	171	132	27.1
	4/1/2008	**136**	**70.2**	14.0	9.3	2.2
	9/30/2008	**1,160**	**617**	175	103	25.5
	3/12/2009	**791**	**432**	108	69.7	20.4
	9/25/2009	**792**	**519**	133	69.1	23.9
	3/2/2010	**1,320**	**674**	142	80.5	27.6
	9/27/2010	**1,220**	**526**	134	77.4	29.3
	4/13/2011	**851**	**417**	101	54.0	25.2
	9/1/2011	**1,100**	**426**	88.4	47.4	29.4
MW-3	12/20/1993	**20**	**21**	<5	<5	<5
	(duplicate)	**26**	**23**	<5	<5	<5
	3/30/1995	**52**	**29**	<5.0	<5.0	0.86
	8/15/1997	**72**	**22**	<2	<2	<2
	4/15/1999	**71**	**23**	<5	<5	<5
	9/26/2000	**99.3**	**39.2**	<2	<2	<2
	9/11/2001	**42**	**55**	<2	3.8	<2

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-3	10/3/2002	**387**	**124**	**73**	<5	<5
	12/18/2003	**513**	**185**	3.3	<2	<2
	3/25/2004	**402**	**219**	6.4	2.4	2.8
	6/9/2004	**350**	**197**	3.5	<2	<2
	9/30/2004	**235**	**117**	<10	<10	<10
	12/16/2004	**126**	**64**	<10	<10	<10
	4/21/2005	**209**	**76**	<10	<10	<10
	11/17/2005	**305**	**112**	**13**	<10	<10
	11/2/2006	<10	**127**	<10	<10	<10
	10/12/2007	**342**	**93**	**7.4**	<1.0	<1.0
	4/1/2008	**281**	**84.1**	6.5	<2.0	<2.0
	9/30/2008	**227**	**78.0**	6.0	<1.0	<1.0
	3/12/2009	**160**	**45.6**	4.0	<2.0	<2.0
	9/25/2009	**203**	**59.3**	6.1	<1.0	<1.0
	3/2/2010	**181**	**51.3**	4.6	<1.0	<1.0
	9/27/2010	**130**	**33.1**	4.0	<1.0	<1.0
	4/13/2011	**86.1**	**22.2**	2.6	<1.0	<1.0
	9/1/2011	**90.2**	**16.4**	2.2	<1.0	<1.0
	3/13/2012	**94.4**	**19.2**	2.2	<1.0	<1.0
	9/6/2012	**91.2**	**18.2**	2.2	<1.0	<1.0
	3/11/2013	**77.3**	**15.0**	1.8	<1.0	<1.0
	9/10/2013	**83.3**	**15.6**	2.1	<1.0	<1.0
	3/19/2014	**98.2**	**21.5**	2.6	<1.0	<1.0
	9/16/2014	**44.1**	**9.4**	1.1	<1.0	<1.0
	3/16/2015	**57.2**	**10.9**	1.5	<1.0	7.8
	9/22/2015	**23.4**	**4.51**	<1.00	<1.00	<5.00
MW-4	12/20/1993	**45**	**92**	<5	<5	<5
	(duplicate)	**59**	**100**	<5	<5	<5
	3/30/1995	**72**	**100**	<5.0	<5.0	<5.0
	8/14/1997	**118**	**141**	<10	<10	<10
	4/15/1999	**136**	**258**	<10	<10	<10
	9/26/2000	**137**	**248**	<10	<10	<10
	9/11/2001	**151**	**281**	<10	<10	<10
	10/3/2002	**311**	**321**	17	13	<10
	12/18/2003	**517**	**264**	<10	<10	<10
	3/25/2004	**458**	**450**	18	<10	<10
	6/9/2004	**405**	**356**	<10	<10	<10
	9/30/2004	**1,160**	**704**	<20	<20	<20
	12/16/2004	**521**	**363**	12	12	<10
	4/21/2005	**348**	**289**	<20	<20	<20
	11/17/2005	**375**	**384**	16	12	<20
	11/2/2006	**428**	**406**	24	<20	<20
	3/27/2007	**402**	**396**	34.6	<20	<20
	10/12/2007	**388**	**354**	33.9	4.2	<1.0
	4/1/2008	**398**	**366**	35.9	4.9	3.6
	9/30/2008	**275**	**242**	30.3	4.3	3.3
	3/12/2009	**278**	**244**	27.4	<5.0	<5.0
	9/25/2009	**263**	**246**	33.4	<5.0	<5.0
	3/2/2010	**324**	**351**	44.7	5.5	4.6
	9/27/2010	**422**	**306**	47.4	5.3	4.8
	4/13/2011	**365**	**154**	23.8	<5.0	<5.0
	9/1/2011	**456**	**150**	26.3	2.7	3.5
	3/13/2012	**285**	**151**	24.5	<2.5	2.8
	9/6/2012	**263**	**149**	24.1	<2.0	2.3

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-4	3/11/2013	**251**	**142**	22.5	<2.0	2.6
	9/10/2013	**226**	**122**	20.0	<2.0	2.1
	3/19/2014	**235**	**134**	24.4	2.0	2.5
	9/16/2014	**204**	**110**	19.1	<2.0	<2.0
	3/16/2015	**222**	**94.4**	10.0	<2.0	<2.0
	9/22/2015	**244**	**120**	19.9	1.47	<5.00
MW-5	4/28/1994	<5	<5	<5	<5	<5
	(duplicate)	<5	<5	<5	<5	<5
MW-6	7/1/1994	NA	NA	NA	NA	NA
	3/31/1995	**180**	**36**	41	60	18
	8/14/1997	**240**	**15**	13	18	12
	12/17/2003	**688**	**46**	26	<1	8.8
	12/16/2004	**127**	**28**	15	30	7.5
	11/18/2005	**103**	**24**	15	22	3.3
	11/2/2006	**110**	**36**	20	36	<5
	10/12/2007	**66.9**	**22.9**	15	21.7	9
	9/30/2008	**95.3**	**29.4**	12.7	27.5	3.8
	9/25/2009	**93.8**	**35.8**	12.7	34.1	3.3
	9/27/2010	**81.3**	**33.0**	6.5	38.3	2.5
	8/30/2011	**81.7**	**27.6**	4.3	30.7	2.7
	9/6/2012	**70.1**	**28.7**	2.0	26.6	1.8
	9/10/2013	**62.7**	**23.3**	<1.0	22.1	1.3
	9/16/2014	**49.4**	**18.7**	<1.0	13.6	<1.0
MW-7	3/30/1995	**17,000**	**150**	20	<500	<500
	5/18/1995	**10,000**	**120**	20	8.8	7.8
	8/15/1997	**11,400**	<1,000	<1,000	<1,000	<1,000
	4/15/1999	**19,700**	<500	<500	<500	<500
	9/28/2000	**14,200**	<500	<500	<500	<500
	12/28/2000	**22,100**	<2,000	<2,000	<2,000	<2,000
	3/13/2001	**16,900**	<1,000	<1,000	<1,000	<1,000
	9/12/2001	**10,700**	<100	<100	<100	<100
	3/26/2002	**25,500**	<400	<400	<400	<400
	6/11/2002	**22,700**	<400	<400	<400	<400
	10/3/2002	**28,400**	<500	<500	<500	<500
	12/10/2002	**35,800**	<500	<500	<500	<500
	3/4/2003	**18,800**	<500	<500	<500	<500
	5/28/2003	**23,700**	<500	<500	<500	<500
	9/30/2003	**26,300**	<500	<500	<500	<500
	12/17/2003	**19,900**	<500	<500	<500	<500
	3/25/2004	**35,200**	<500	<500	<500	<500
	6/8/2004	**27,500**	<1,000	<1,000	<1,000	<1,000
	9/30/2004	**31,100**	<1,000	<1,000	<1,000	<1,000
	12/16/2004	**38,400**	<500	<500	<500	<500
	4/21/2005	**30,200**	<1,000	<1,000	<1,000	<1,000
	11/17/2005	**31,800**	<1,000	<1,000	<1,000	<1,000
	4/6/2006	**28,900**	<1,000	<1,000	<1,000	<1,000
	11/3/2006	**26,500**	<500	<500	<500	<500
	3/28/2007	**29,200**	<1,000	<1,000	<1,000	<1,000
	10/16/2007	**9,210**	**31.7**	5.2	2.2	5.7
	4/2/2008	**8,790**	<50.0	<50.0	<50.0	<50.0
	9/30/2008	**9,610**	**29.9**	3.7	1.7	6.1
	3/13/2009	**7.0**	<1.0	<1.0	<1.0	<1.0
	9/24/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/3/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2010	**7.7**	<1.0	<1.0	<1.0	<1.0
	4/13/2011	**8.6**	<1.0	<1.0	<1.0	<1.0

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-7	8/30/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/13/2012	**29.9**	<1.0	<1.0	<1.0	<1.0
	9/5/2012	**37.2**	<1.0	<1.0	<1.0	<1.0
	3/11/2013	**45.3**	<1.0	<1.0	<1.0	<1.0
	9/12/2013	**30.4**	<1.0	<1.0	<1.0	<1.0
	3/19/2014	**2,640**	**9.9**	<1.0	<1.0	3.4
	7/15/2014	**52**	<1.0	<1.0	<1.0	<5.0
	9/17/2014	**117**	<1.0	<1.0	<1.0	<1.0
	2/13/2015	**84.7**	<1.0	<1.0	<1.0	<1.0
	3/17/2015	**1,120**	**3.2**	<1.0	<1.0	<1.0
	9/22/2015	**165**	**1.39**	<1.00	<1.00	<5.00
MW-8	3/31/1995	**9,700**	**97**	<250	<250	<250
	8/15/1997	**4,050**	<130	<130	<130	<130
	4/16/1999	**25,900**	<100	<100	<100	<100
	9/27/2000	**6,650**	<100	<100	<100	<100
	9/12/2001	**3,480**	<100	<100	<100	<100
	10/3/2002	**4,950**	<100	<100	<100	<100
	12/17/2003	**1,680**	<50	<50	<50	<50
	12/16/2004	**2,300**	<50	<50	<50	<50
	11/18/2005	**529**	<20	<20	<20	<20
	4/5/2006	**772**	**3.6**	1.2	<1	3.6
	11/3/2006	**471**	<20	<20	<20	<20
	10/15/2007	**626**	**4.2**	2.9	<1.0	3.2
	9/30/2008	**273**	2.0	1.1	<1.0	3.5
	9/25/2009	**183**	<2.0	<2.0	<2.0	3.9
	9/27/2010	**131**	1.8	<1.0	<1.0	3.6
	8/30/2011	**192**	2.0	<1.0	<1.0	3.7
	9/6/2012	**141**	1.3	<1.0	<1.0	3.2
	9/10/2013	**69.0**	<1.0	<1.0	<1.0	2.6
	9/16/2014	**14.2**	<1.0	<1.0	<1.0	2.2
	9/22/2015	**88.5**	1.61	<1.00	<1.00	<5.00
MW-9	3/31/1995	**1,500**	**220**	<50	<50	20
	(duplicate)	**1,700**	**240**	<100	<100	21
	8/15/1997	**630**	**201**	<30	<30	<30
MW-10	5/17/1995	**32,000**	**86**	37	140	12
	8/15/1997	**26,900**	<1,000	<1,000	<1,000	<1,000
	4/16/1999	**67,600**	<1,000	<1,000	<1,000	<1,000
	9/28/2000	**15,100**	<1,000	<1,000	<1,000	<1,000
	12/28/2000	**44,900**	<4,000	<4,000	<4,000	<4,000
	3/13/2001	**19,300**	<500	<500	<500	<500
	9/12/2001	**5,090**	**34**	<20	44	<20
	3/26/2002	**8,730**	<200	<200	<200	<200
	6/11/2002	**9,970**	<200	<200	<200	<200
	10/3/2002	**8,180**	<200	<200	<200	<200
	12/10/2002	**16,900**	<400	<400	<400	<400
	3/4/2003	**5,610**	<200	<200	<200	<200
	5/28/2003	**2,060**	<200	<200	<200	<200
	9/30/2003	**281**	<10	<10	<10	<10
	12/17/2003	**810**	<20	<20	<20	<20
	6/9/2004	**7,680**	<200	<200	<200	<200
	9/30/2004	**9,850**	<400	<400	<400	<400
	12/17/2004	**738**	<20	<20	<20	<20
	4/21/2005	**1,460**	<40	<40	<40	<40
	11/18/2005	**967**	<20	<20	<20	<20
	4/6/2006	**369**	<20	<20	<20	<20

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-10	11/3/2006	**12,200**	<500	<500	<500	<500
	3/28/2007	**18,300**	<500	<500	<500	<500
	10/15/2007	**38,800**	**26.2**	6.7	37.3	8.0
	4/1/2008	**44,600**	<200	<200	<200	<200
	10/1/2008	**7,530**	**20.1**	<1.0	6.4	5.8
	3/13/2009	**8,770**	<50.0	<50.0	<50.0	<50.0
	9/25/2009	**735**	**12.2**	<10	<10	<10
	3/3/2010	**991**	**12.4**	<10	<10	<10
	9/28/2010	**1,580**	**11.5**	<10.0	<10.0	<10.0
	4/14/2011	**3,860**	<50.0	<50.0	<50.0	<50.0
	9/1/2011	**3,090**	<10.0	<10.0	<10.0	<10.0
	3/13/2012	**1,460**	<20.0	<20.0	<20.0	<20.0
	9/7/2012	**624**	**6.7**	<5.0	<5.0	<5.0
	3/12/2013	**557**	**5.9**	<5.0	<5.0	<5.0
	9/12/2013	**263**	**6.6**	<2.0	<2.0	2.3
	3/19/2014	**528**	**5.1**	<2.0	<2.0	2.0
	9/17/2014	**145**	**5.0**	<2.0	<2.0	<2.0
	3/16/2015	**1,370**	**3.2**	<1.0	<1.0	1.7
	9/22/2015	**244**	**4.71**	<1.00	<1.00	<5.00
MW-11	5/17/1995	**9.6**	<5.0	<5.0	<5.0	<5.0
	9/26/2000	**2.7**	<1	<1	<1	<1
	9/12/2001	**97**	**3.3**	<1	1.6	<1
	12/10/2001	**1.9**	<1	<1	<1	<1
	10/3/2002	**57**	<1	<1	<1	<1
	1/15/2004	**7.5**	<1.0	<1.0	<1.0	<1.0
	12/16/2004	**6.0**	<1	<1	<1	<1
	11/18/2005	**3.8**	<1	<1	<1	<1
	11/2/2006	**3.9**	<1	<1	<1	<1
	10/15/2007	**3.2**	<1.0	<1.0	<1.0	<1.0
	10/1/2008	**2.5**	<1.0	<1.0	<1.0	<1.0
	9/25/2009	**3.1**	<1.0	<1.0	<1.0	0.73
	9/24/2010	**5.3**	<1.0	<1.0	<1.0	<1.0
	8/30/2011	**3.9**	<1.0	<1.0	<1.0	<1.0
	9/5/2012	**3.6**	<1.0	<1.0	<1.0	<1.0
	9/12/2013	**6.3**	<1.0	<1.0	<1.0	<1.0
	9/16/2014	**5.9**	<1.0	<1.0	<1.0	<1.0
	9/22/2015	**4.17**	<1.00	<1.00	<1.00	<5.00
MW-12	5/18/1995	**100**	**15**	<5.0	<5.0	1.4
	(duplicate)	**86**	**13**	<5.0	<5.0	1.2
	8/14/1997	**288**	**12**	<10	<10	<10
	4/15/1999	**764**	**31**	<1	<1	4.4
	9/12/2001	**957**	**34**	<1	2.7	6.9
	10/3/2002	**1,460**	<40	<40	<40	<40
	12/17/2003	**2,260**	**55**	<40	<40	<40
	3/25/2004	**252**	**19**	<40	<40	<40
	12/17/2004	**169**	**13**	<50	<5	<5
	4/21/2005	**108**	<10	<4	<4	<4
	11/17/2005	**149**	**13**	<5	<5	<5
	4/6/2006	**71**	**8.4**	<5	<5	<5
	11/3/2006	**8.4**	<1	<1	<1	<1
	3/27/2007	**54.3**	**13.6**	<1	<1	2.9
	10/15/2007	**53.1**	**9.8**	<1.0	<1.0	2.7
	9/29/2008	**70.2**	**11.3**	<1.0	<1.0	3.3
	3/12/2009	**65.5**	**9.7**	<1.0	<1.0	3.2

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-12	9/23/2009	**74.6**	**11.0**	<1.0	<1.0	3.6
	3/2/2010	**59.3**	**9.7**	<1.0	<1.0	3.2
	9/24/2010	**53.6**	**8.9**	<1.0	<1.0	3.6
	8/30/2011	**49.6**	**7.4**	<1.0	<1.0	4.6
	9/5/2012	**53.4**	**9.0**	<1.0	<1.0	4.3
	9/10/2013	**56.4**	**8.0**	<1.0	<1.0	4.2
	9/17/2014	**39.7**	**7.4**	<1.0	<1.0	3.8
	9/22/2015	**69.1**	**9.03**	<1.00	<1.00	<5.00
MW-13	5/18/1995	<5.0	1.6	<5.0	<5.0	0.75
	9/26/2000	<1	<1	<1	<1	<1
	9/12/2001	**167**	**3.8**	<1	1.6	<1
	12/10/2001	**5.2**	<1	<1	<1	<1
	10/3/2002	<1	<1	<1	<1	1.0
	12/16/2004	<1	<1	<1	<1	<1
	11/17/2005	<1	<1	<1	<1	<1
	11/1/2006	<1	<1	<1	<1	<1
	10/11/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2011	<1.0	<1.0	<1.0	<1.0	<1.0
MW-14	5/17/1995	**83**	**260**	<25	<25	3.2
	8/15/1997	**110**	**149**	6	<4	7
	4/15/1999	**227**	**223**	11	<5	8.9
	9/11/2001	**97**	**98**	<10	23	<10
	10/3/2002	**214**	**140**	15	<5	<5
	12/18/2003	**490**	**213**	25	26	<5
	3/25/2004	**274**	**209**	33	15	<5
	6/9/2004	**240**	**172**	20	10	<5
	12/16/2004	**292**	**228**	30	22	<10
	4/21/2005	**251**	**171**	<10	17	<10
	11/17/2005	**221**	**142**	24	5.3	<5
	4/5/2006	**236**	**152**	16	<10	<10
	11/2/2006	**389**	**144**	45	<10	<10
	3/27/2007	**325**	**199**	36.1	<20	<20
	10/12/2007	**225**	**167**	36.7	7.7	1.6
	9/30/2008	**169**	**131**	25.6	5.9	1.4
	3/12/2009	**192**	**111**	22.2	4.6	1.2
	9/25/2009	**206**	**98.4**	29.0	5.5	1.3
	3/2/2010	**247**	**117**	24.2	6.1	1.2
	9/27/2010	**250**	**171**	40.0	10.4	2.8
	9/1/2011	**343**	**134**	24.4	7.9	4.0
	3/13/2012	**305**	**149**	23.3	7.0	3.3
	9/6/2012	**254**	**117**	17.6	4.3	2.5
	3/11/2013	**295**	**130**	20.8	<2.0	2.9
	9/10/2013	**304**	**137**	19.8	5.2	3.3
	3/19/2014	**311**	**150**	19.7	6.1	5.2
	9/16/2014	**225**	**101**	14.5	3.3	3.1
	3/17/2015	**311**	**117**	12.1	<2.0	3.7
	9/22/2015	**277**	**146**	10.1	5.10	7.40
MW-15	5/17/1995	**1,300**	**25**	<50	<50	<50
	8/15/1997	**1,840**	**47**	<50	<50	<50
	4/15/1999	**1,740**	<50	<50	<50	<50
	9/27/2000	**733**	<50	<50	<50	<50
	9/13/2001	**717**	<100	<100	<100	<100

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-15	10/3/2002	**958**	<20	<20	<20	<20
	12/16/2003	**509**	<20	<20	<20	<20
	12/16/2004	**647**	<20	<20	<20	<20
	11/18/2005	**582**	<20	<20	<20	<20
	11/1/2006	**882**	<20	<20	<20	<20
	10/12/2007	**564**	**7.2**	3.1	<1.0	<1.0
	10/1/2008	**473**	**5.6**	<5.0	<5.0	<5.0
	9/24/2009	**377**	**5.8**	<5.0	<5.0	<5.0
	9/24/2010	**454**	**8.8**	3.0	<2.0	<2.0
	9/1/2011	**291**	**3.5**	<2.5	<2.5	<2.5
	9/6/2012	**172**	2.1	<2.0	<2.0	<2.0
	9/10/2013	**209**	2.9	<2.0	<2.0	<2.0
	9/15/2014	**168**	3.2	<2.0	<2.0	<2.0
	9/23/2015	**122**	1.62	<1.00	<1.00	<5.00
MW-16	7/17/1995	<5.0	<5.0	<5.0	<5.0	<5.0
	8/13/1997	<1	<1	<1	<1	<1
	4/15/1999	<1	<1	<1	<1	<1
	9/26/2000	<1	<1	<1	<1	<1
	9/12/2001	**185**	**6.8**	<1	2.1	<1
	12/10/2001	**1.2**	<1	<1	<1	<1
	10/3/2002	<1	<1	<1	<1	<1
	1/15/2004	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2004	<1	<1	<1	<1	<1
	11/18/2005	<1	<1	<1	<1	<1
	11/1/2006	<1	<1	<1	<1	<1
	10/11/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2011	<1.0	<1.0	<1.0	<1.0	<1.0
MW-17	5/17/1995	**1.1**	<5.0	<5.0	<5.0	<5.0
	4/15/1999	<1	<1	<1	<1	<1
	9/26/2000	<1	<1	<1	<1	<1
	9/12/2001	**84**	**3.5**	<1	1.2	<1
	12/10/2001	**1.1**	<1	<1	<1	<1
	10/3/2002	**44**	<1	<1	<1	<1
	1/15/2004	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2004	**1.1**	<1	<1	<1	<1
	11/18/2005	<1	<1	<1	<1	<1
	11/1/2006	<1	<1	<1	<1	<1
	10/11/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2011	<1.0	<1.0	<1.0	<1.0	<1.0
MW-18	7/17/1995	<5.0	<5.0	<5.0	<5.0	<5.0
	4/15/1999	<1	<1	<1	<1	<1
	9/26/2000	<1	<1	<1	<1	<1
	9/11/2001	**26**	**23**	1.6	5.6	<1
	10/3/2002	<1	<1	<1	<1	<1
	1/15/2004	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2004	<1	<1	<1	<1	<1
	11/17/2005	<1	<1	<1	<1	<1

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-18	11/1/2006	<1	<1	<1	<1	<1
	10/10/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2009	<1.0	<1.0	<1.0	<1.0	0.47
	9/23/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	8/31/2011	<1.0	<1.0	<1.0	<1.0	<1.0
MW-19	7/17/1995	<5.0	<5.0	<5.0	<5.0	<5.0
	8/14/1997	<1	<1	<1	<1	<1
	4/15/1999	<1	<1	<1	<1	<1
	9/26/2000	<1	<1	<1	<1	<1
	9/11/2001	**22**	**14**	<1	3.6	<1
	12/11/2001	<1	<1	<1	<1	<1
	10/3/2002	<1	<1	<1	<1	<1
	1/15/2004	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2004	<1	<1	<1	<1	<1
	11/17/2005	<1	<1	<1	<1	<1
	11/1/2006	<1	<1	<1	<1	<1
	10/10/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/24/2009	<1.0	<1.0	<1.0	<1.0	0.81
	9/23/2010	<1.0	<1.0	<1.0	<1.0	1.1
	8/31/2011	<1.0	<1.0	<1.0	<1.0	1.1
MW-20	7/17/1995	**190**	**77**	<5.0	<5.0	<5.0
	8/14/1997	**310**	**33**	<10	<10	<10
	4/15/1999	**534**	**51**	<10	<10	<10
	9/28/2000	**453**	<10	<10	<10	<10
	12/28/2000	**665**	**44**	<20	<20	<20
	3/12/2001	**589**	<20	<20	<20	<20
	9/11/2001	**581**	<20	<20	<20	<20
	3/26/2002	**1,080**	**21**	<20	<20	<20
	6/11/2002	**920**	<20	<20	<20	<20
	10/3/2002	**1,300**	<20	<20	<20	<20
	12/11/2002	**1,340**	<40	<40	<40	<40
	3/4/2003	**1,180**	<40	<40	<40	<40
	5/28/2003	**795**	<40	<40	<40	<40
	3/25/2004	**263**	**16**	<10	<10	<10
	6/8/2004	**1,100**	<40	<40	<40	<40
	9/30/2004	**1,100**	<40	<40	<40	<40
	12/16/2004	**1,350**	<20	<20	<20	<20
	4/21/2005	**1,070**	<50	<50	<50	<50
	11/17/2005	**959**	<50	<50	<50	<50
	4/5/2006	**1,040**	<50	<50	<50	<50
	11/21/2006	**1,200**	<50	<50	<50	<50
	3/28/2007	**1,000**	<100	<100	<100	<100
	10/12/2007	**777**	**6.8**	<1.0	<1.0	<1.0
	4/1/2008	**820**	**7.5**	<5.0	<5.0	<5.0
	10/1/2008	**524**	**4.4**	<1.0	<1.0	<1.0
	3/12/2009	**585**	<10.0	<10.0	<10.0	<10.0
	9/24/2009	**791**	**5.7**	<10	<10	<10
	3/3/2010	**963**	**6.9**	<5.0	<5.0	<5.0
	9/28/2010	**1,030**	**7.0**	<5.0	<5.0	<5.0
	4/14/2011	**772**	<10.0	<10.0	<10.0	<10.0
	8/31/2011	**1,020**	<10.0	<10.0	<10.0	<10.0
	3/14/2012	**985**	<10.0	<10.0	<10.0	<10.0
	9/6/2012	**994**	<10.0	<10.0	<10.0	<10.0

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-20	3/11/2013	**913**	<5.0	<5.0	<5.0	<5.0
	9/12/2013	**783**	<10.0	<10.0	<10.0	<10.0
	3/19/2014	**731**	<5.0	<5.0	<5.0	<5.0
	9/17/2014	**494**	<5.0	<5.0	<5.0	<5.0
	2/13/2015	**413**	<10.0	<10.0	<10.0	<10.0
	3/17/2015	**613**	<5.0	<5.0	<5.0	<5.0
	9/22/2015	**587**	**3.29**	<1.00	<1.00	<5.00
MW-21	7/17/1995	**9.8**	**1,700**	90	78	20
	8/15/1997	<30	**1,220**	54	59	<30
	4/15/1999	<50	**1,400**	<50	<50	<50
	3/12/2001	<20	**677**	<20	28	<20
	9/13/2001	**137**	**428**	<20	22	<20
	3/28/2002	<20	**1,170**	<20	41	<20
	10/3/2002	<50	**1,860**	<50	<50	<50
	12/16/2003	<50	**494**	<50	<50	<50
	12/16/2004	<10	**341**	<10	12	<10
	11/17/2005	<10	**214**	<10	<10	<10
	11/2/2006	<20	**574**	<20	<20	<20
	10/11/2007	**3.8**	**422**	8.4	5.3	6.0
	10/1/2008	**10.2**	**312**	7.3	4.7	6.4
	9/24/2009	**7.3**	**299**	4.6	3.0	4.5
	9/24/2010	**9.1**	**185**	2.7	1.9	2.8
	8/31/2011	**13.3**	**176**	4.0	2.6	4.5
	9/6/2012	**11.9**	**278**	4.0	2.0	5.0
	9/12/2013	**4.0**	**199**	2.1	1.3	2.8
	9/17/2014	**2.9**	**168**	1.6	<1.0	2.5
MW-22	7/17/1995	**190**	**91**	<5.0	<5.0	1.9
	8/14/1997	**202**	**32**	<10	<10	<10
	4/15/1999	**665**	**133**	<10	<10	<10
	9/28/2000	**1,790**	**86**	<20	<20	<20
	12/28/2000	**2,100**	**151**	<20	<20	<20
	3/12/2001	**3,340**	**136**	<20	<20	<20
	9/12/2001	**2,680**	**146**	<20	<20	<20
	3/26/2002	**2,530**	**130**	<100	<100	<100
	6/11/2002	**2,620**	**115**	<100	<100	<100
	10/3/2002	**2,490**	**176**	<100	<100	<100
	12/11/2002	**2,580**	**224**	<100	<100	<100
	3/4/2003	**2,480**	**111**	<100	<100	<100
	5/28/2003	**1,950**	<100	<100	<100	<100
	12/16/2003	**43**	**7.0**	<1	<1	<1
	3/25/2004	**923**	**49**	<1	<1	<1
	6/8/2004	**1,360**	**75**	20	<40	<40
	11/17/2005	**1,050**	**24**	1.4	<1	1.2
	4/5/2006	**859**	**17**	1.6	<1	<1
	11/21/2006	**7,680**	**93**	<50	<50	<50
	3/28/2007	**2,100**	<200	<200	<200	<200
	10/12/2007	**3,740**	**51.1**	7.0	<1.0	2.1
	4/1/2008	**3,910**	**46.2**	<20.0	<20.0	<20.0
	10/2/2008	**2,740**	**39.5**	5.2	<1.0	2.1
	3/13/2009	**2,660**	**23.9**	<20.0	<20.0	<20.0
	9/24/2009	**334**	**3.2**	<5.0	<5.0	<5.0
	3/3/2010	**71.1**	<1.0	<1.0	<1.0	<1.0
	9/28/2010	**583**	<5.0	<5.0	<5.0	<5.0

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-22	4/14/2011	**2,500**	<25.0	<25.0	<25.0	<25.0
	8/31/2011	**5,110**	**29.4**	5.2	<5.0	<5.0
	3/14/2012	**6,100**	<50.0	<50.0	<50.0	<50.0
	9/7/2012	**7,210**	<50.0	<50.0	<50.0	<50.0
	3/11/2013	**7,710**	**52.6**	<50.0	<50.0	<50.0
	9/11/2013	**7,670**	<50.0	<50.0	<50.0	<50.0
	3/18/2014	**8,050**	**50.2**	<25.0	<25.0	<25.0
	9/17/2014	**2,950**	<50.0	<50.0	<50.0	<50.0
	2/13/2015	**10,500**	<100	<100	<100	<100
	3/17/2015	**1,150**	<10.0	<10.0	<10.0	<10.0
	9/23/2015	**3,520**	**23.2**	3.15	<1.00	<5.00
MW-23	7/17/1995	<5.0	<5.0	<5.0	<5.0	<5.0
	4/15/1999	**1.0**	<1	<1	<1	<1
	9/27/2000	<1	<1	<1	<1	<1
	9/13/2001	**146**	**17**	<1	<1	1.2
	12/11/2001	**6.2**	<1	<1	<1	<1
	10/3/2002	<1	<1	<1	<1	<1
	12/16/2003	<1	**15**	<1	<1	<1
	12/16/2004	**1.1**	<1	<1	<1	<1
	11/18/2005	<1	<1	<1	<1	<1
	11/1/2006	<1	<1	<1	<1	<1
	10/11/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	10/1/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/24/2009	<1.0	<1.0	<1.0	<1.0	<1.0
MW-24	7/17/1995	**1.6**	<5.0	<5.0	<5.0	<5.0
	4/15/1999	**1.8**	<1	<1	<1	<1
	9/27/2000	**1.0**	<1	<1	<1	<1
MW-25	12/13/1995	<1	<1	<1	<1	<1
	12/13/1995	<1	<1	<1	<1	<1
	8/12/1997	<1	<1	<1	<1	<1
	9/26/2000	<1	<1	<1	<1	<1
	9/12/2001	**418**	**65**	3.2	3.5	2.1
	10/3/2002	**9.0**	**159**	5.5	<5	<5
	11/2/2006	<1	<1	<1	<1	<1
	10/12/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2009	<1.0	<1.0	<1.0	<1.0	<1.0
MW-26	12/13/1995	<5	**80**	<5	<5	<5
	8/14/1997	<1	**40**	2	2	<1
	4/15/1999	<1	**51**	2.5	2.7	<1
	9/26/2000	<1	**75.8**	3.2	4.7	<1
	12/28/2000	**2.3**	**96**	2.8	<2	<2
	3/12/2001	<2	**75**	<2	2.8	<2
	9/13/2001	**177**	**103**	<5	5.5	<5
	12/11/2001	<5	**169**	<5	7.4	<5
	3/26/2002	<5	**183**	<5	6.6	<5
	6/11/2002	<5	**140**	<5	<5	<5
	10/3/2002	<5	**314**	6.0	<5	<5
	12/10/2002	<10	**152**	<10	<10	<10
	3/4/2003	<5	**55**	<5	<5	<5
	5/28/2003	<5	**150**	<5	<5	<5
	9/30/2003	**2.5**	**52**	1.3	1.6	1.0
	12/16/2003	<2	**42**	<2	<2	<2
	6/8/2004	<1	**26**	<1	1	<1

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
MW-26	12/16/2004	**2.5**	**18**	<1	1.1	<1
	11/17/2005	<1	**55**	<1	<1	<1
	11/2/2006	<1	2.3	<1	<1	<1
	10/11/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2008	<1.0	**5.4**	<1.0	<1.0	<1.0
	9/24/2009	<1.0	**7.6**	<1.0	<1.0	<1.0
	9/23/2010	<1.0	**3.2**	<1.0	<1.0	<1.0
	8/30/2011	<1.0	1.8	<1.0	<1.0	<1.0
	9/5/2012	<1.0	1.2	<1.0	<1.0	<1.0
	9/23/2015	<1.00	<1.00	<1.00	<1.00	<5.00
DMW-27	8/12/1997	**9,470**	**890**	<500	<500	<500
	4/16/1999	**11,800**	**1,570**	<500	<500	<500
	9/27/2000	**8,040**	**556**	<500	<500	<500
	12/28/2000	**13,900**	**1,490**	<1,000	<1,000	<1,000
	3/13/2001	**9,920**	**665**	<500	<500	<500
	9/12/2001	**17,500**	**879**	<500	<500	<500
	3/26/2002	**19,400**	**1,290**	<500	<500	<500
	6/11/2002	**13,100**	**2,590**	<500	<500	<500
	10/3/2002	**14,400**	**1,180**	<1,000	<1,000	<1,000
	12/10/2002	**6,880**	**472**	<200	<200	<200
	3/4/2003	**14,500**	**901**	<500	<500	<500
	5/28/2003	**14,400**	**863**	<500	<500	<500
	9/30/2003	**15,300**	<500	<500	<500	<500
	12/17/2003	**15,600**	<1,000	<1,000	<1,000	<1,000
	3/25/2004	**13,900**	**1,050**	<1,000	<1,000	<1,000
	6/8/2004	**9,600**	**882**	<400	<400	<400
	9/30/2004	**15,800**	**1,220**	<400	<400	<400
	12/17/2004	**24,900**	**1,440**	<1,000	<1,000	<1,000
	4/21/2005	**12,300**	<1,000	<1,000	<1,000	<1,000
	11/18/2005	**19,100**	**1,320**	<1,000	<1,000	<1,000
	4/6/2006	**754**	**219**	<40	<40	<40
	11/3/2006	**46,700**	<1,000	<1,000	<1,000	<1,000
	3/28/2007	**15,800**	**1,430**	<1,000	<1,000	<1,000
	10/10/2007	**13,800**	**1,310**	<50.0	<50.0	<50.0
	4/2/2008	**12,200**	**1,430**	17.6	<10.0	<10.0
	10/2/2008	**9,250**	**908**	20.0	<1.0	10.9
	3/13/2009	**18,300**	**1,630**	<100	<100	<100
	9/24/2009	**20,800**	**1,880**	<200	<200	<200
	3/2/2010	**146**	**13.9**	<1.0	<1.0	<1.0
	9/27/2010	**16,900**	**1,500**	25.7	<1.0	2.8
	4/13/2011	**9,270**	**1,180**	<100	<100	<100
	9/1/2011	**17,700**	**1,410**	<100	<100	<100
	3/14/2012	**13,400**	**1,450**	<100	<100	<100
	9/7/2012	**14,800**	**1,680**	<100	<100	<100
	3/12/2013	**14,700**	**1,420**	<100	<100	<100
	9/12/2013	**13,100**	**1,220**	<100	<100	<100
	3/18/2014	**16,000**	**1,580**	<200	<200	<200
	9/18/2014	**2,210**	**65.5**	<20.0	<20.0	<20.0
	3/18/2015	**3,050**	**42.8**	<25.0	<25.0	<25.0
	9/24/2015	**4,330**	<1.00	1.13	<1.00	<5.00
DMW-28	12/13/1995	<1	**4**	<1	<1	<1
	(duplicate)	<1	**4**	<1	<1	<1
	8/12/1997	**1**	2	<1	<1	<1
	4/16/1999	**3.0**	**4.0**	<1	<1	<1
	9/26/2000	<1	1.1	<1	<1	<1
	9/12/2001	**205**	**3.9**	<1	2.3	<1

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
DMW-28	12/11/2001	<5	**168**	<5	<5	<5
	3/26/2002	<1	**14**	<1	<1	<1
	10/3/2002	**63**	**5.6**	<2	<2	<2
	12/17/2003	**294**	**6.4**	<2	<2	<2
	3/25/2004	<1	<1	<1	<1	<1
	12/17/2004	**2.0**	<1	<1	<1	<1
	11/18/2005	<1	<1	<1	<1	<1
	11/3/2006	<1	<1	<1	<1	<1
	10/10/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	10/2/2008	<1.0	<1.0	<1.0	<1.0	7.1
	9/25/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/24/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	8/30/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	9/11/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	9/17/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2015	<1.00	<1.00	<1.00	<1.00	<5.00
DMW-29	8/12/1997	**154**	**107**	<10	<10	<10
	4/16/1999	**93**	**132**	<5	<5	<5
	9/26/2000	**191**	**14**	<5	<5	<5
	9/11/2001	**24**	<5	<5	<5	<5
	10/3/2002	**161**	**26**	<5	<5	<5
	12/18/2003	**256**	**33**	<5	<5	<5
	12/17/2004	**140**	**48**	<10	<10	<10
	11/18/2005	**47**	**52**	<5	<5	<5
	11/2/2006	**124**	**32**	<2	<2	<2
	10/9/2007	**83.5**	**27.1**	1.0	<1.0	<1.0
	10/2/2008	**64.3**	**18.9**	<1.0	<1.0	5.1
	9/25/2009	**67.6**	**32.8**	<1.0	<1.0	<1.0
	9/27/2010	**77.3**	**26.5**	<1.0	<1.0	<1.0
	8/29/2011	**29.1**	**19.1**	<1.0	<1.0	<1.0
	9/6/2012	**13.2**	**17.6**	<1.0	<1.0	<1.0
	9/11/2013	**25.2**	**16.0**	<1.0	<1.0	<1.0
	9/18/2014	**10.1**	**10.8**	<1.0	<1.0	<1.0
	9/24/2015	**38.5**	**13.7**	<1.00	<1.00	<5.00
MW-30	2/9/1996	<1	<1	<1	<1	<1
	8/12/1997	<1	<1	<1	<1	<1
	4/14/1999	<1	<1	<1	<1	<1
	10/12/2000	<1	<1	<1	<1	<1
	12/28/2000	<1	<1	<1	<1	<1
	3/12/2001	<1	<1	<1	<1	<1
	9/13/2001	**195**	<10	<10	<10	<10
	12/11/2001	<1	<1	<1	<1	<1
	6/11/2002	<1	<1	<1	<1	<1
	10/3/2002	<1	<1	<1	<1	<1
	12/10/2002	<1	<1	<1	<1	<1
	3/4/2003	<1	<1	<1	<1	<1
	5/28/2003	<1	<1	<1	<1	<1
	9/30/2003	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2003	<1	<1	<1	<1	<1
	12/16/2004	<1	<1	<1	<1	<1
	11/17/2005	<1	<1	<1	<1	<1
	10/31/2006	<1	<1	<1	<1	<1
	10/8/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	10/1/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/25/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/24/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	8/31/2011	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
DMW-31	11/24/1998	<1	<1	<1	<1	<1
	9/26/2000	**60**	**7.1**	<1	<1	<1
	9/13/2001	**66**	<5	<5	<5	<5
	10/3/2002	<1	<1	<1	<1	<1
	12/16/2003	<1	**26**	<1	<1	<1
	12/17/2004	<1	<1	<1	<1	<1
	11/18/2005	<1	<1	<1	<1	<1
	11/1/2006	<1	<1	<1	<1	<1
	10/9/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	10/1/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/24/2009	<1.0	<1.0	<1.0	<1.0	<1.0
DMW-32	11/24/1998	<1	<1	<1	<1	<1
	9/26/2000	<1	<1	<1	<1	<1
	9/11/2001	**12**	**6.3**	<1	1.8	<1
	10/3/2002	<1	<1	<1	<1	<1
	6/8/2004	<1	<1	<1	<1	<1
	12/17/2004	<1	<1	<1	<1	<1
	11/18/2005	<1	1.1	<1	<1	<1
	11/2/2006	<1	<1	<1	<1	<1
	10/9/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	10/2/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/24/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/23/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	8/31/2011	<1.0	<1.0	<1.0	<1.0	<1.0
DMW-33	11/24/1998	**7**	**150**	<1	<1	<1
	9/27/2000	**63**	**99**	<1	<1	<1
	12/28/2000	<1	**78**	<1	<1	<1
	3/13/2001	<1	**95**	<1	<1	<1
	9/13/2001	**75**	**123**	<5	<5	<5
	3/26/2002	**2.9**	**97**	<5	<5	<5
	6/11/2002	<2	**68**	<2	<2	<2
	10/3/2002	<2	**65**	<2	<2	<2
	12/10/2002	**4.2**	**60**	<2	<2	<2
	3/4/2003	<2	**48**	<2	<2	<2
	5/28/2003	<2	**59**	<2	<2	<2
	9/30/2003	<1.0	**43**	<1.0	<1.0	<1.0
	12/16/2003	<2	**40**	<2	<2	<2
	12/17/2004	<2	**77**	<2	<2	<2
	11/18/2005	<2	**3.6**	<2	<2	<2
	11/2/2006	<1	**42**	<1	<1	<1
	10/9/2007	<1.0	**15.5**	<1.0	<1.0	<1.0
	10/2/2008	<1.0	**13.3**	<1.0	<1.0	4.4
	9/24/2009	<1.0	**20.4**	<1.0	<1.0	<1.0
	9/23/2010	<1.0	**15.2**	<1.0	<1.0	<1.0
	8/30/2011	<1.0	**13.1**	<1.0	<1.0	<1.0
	9/5/2012	<1.0	**8.5**	<1.0	<1.0	<1.0
	9/24/2015	**1.72**	**11.3**	<1.00	<1.00	<5.00
DMW-34	3/4/1999	<1	<1	<1	<1	<1
	10/12/2000	<1	<1	<1	<1	<1
	12/28/2000	<1	<1	<1	<1	<1
	3/12/2001	<1	<1	<1	<1	<1
	9/13/2001	**77**	<5	<5	<5	<5
	12/11/2001	<1	<1	<1	<1	<1
	10/3/2002	<1	<1	<1	<1	<1
	12/10/2002	**1.6**	<1	<1	<1	<1

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
DMW-34	5/28/2003	<1	<1	<1	<1	<1
	12/16/2003	<1	<1	<1	<1	<1
	12/17/2004	<1	<1	<1	<1	<1
	11/18/2005	<1	<1	<1	<1	<1
	10/31/2006	<1	<1	<1	<1	<1
	10/8/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	10/2/2008	<1.0	<1.0	<1.0	<1.0	1.3
	9/25/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/24/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	8/31/2011	<1.0	<1.0	<1.0	<1.0	<1.0
MW-35	8/2/2001	**251**	<50	<50	<50	<50
	9/11/2001	**401**	<10	<10	<10	<10
	12/11/2001	**716**	**11**	<10	<10	<10
	3/26/2002	**525**	<50	<50	<50	<50
	6/11/2002	**299**	<50	<50	<50	<50
	10/3/2002	**688**	<20	<20	<20	<20
	12/10/2002	**691**	<20	<20	<20	<20
	3/4/2003	**260**	<20	<20	<20	<20
	5/28/2003	**863**	<20	<20	<20	<20
	9/30/2003	**460**	**12**	<10	<10	<10
	12/16/2003	**293**	<20	<20	<20	<20
	9/30/2004	**324**	<10	<10	<10	<10
	12/16/2004	**597**	<20	<20	<20	<20
	4/21/2005	**406**	<20	<20	<20	<20
	11/17/2005	**307**	<20	<20	<20	<20
	4/5/2006	**434**	<20	<20	<20	<20
	11/2/2006	**658**	<20	<20	<20	<20
	3/27/2007	**952**	<40	<40	<40	<40
	10/11/2007	**543**	**6.4**	<1.0	<1.0	<1.0
	4/2/2008	**910**	**11.4**	<5.0	<5.0	<5.0
	9/30/2008	**817**	**8.7**	<1.0	<1.0	<1.0
	3/13/2009	**682**	<10.0	<10.0	<10.0	<10.0
	9/24/2009	**836**	<10	<10	<10	<10
	3/3/2010	**1,360**	**8.9**	<5.0	<5.0	<5.0
	9/27/2010	**708**	**6.0**	<5.0	<5.0	<5.0
	4/14/2011	**447**	<5.0	<5.0	<5.0	<5.0
	8/31/2011	**563**	<5.0	<5.0	<5.0	<5.0
	3/14/2012	**513**	<5.0	<5.0	<5.0	<5.0
	9/7/2012	**449**	**5.3**	<5.0	<5.0	<5.0
	3/12/2013	**629**	**4.2**	<2.5	<2.5	<2.5
	9/12/2013	**389**	<4.0	<4.0	<4.0	<4.0
	3/18/2014	**562**	<5.0	<5.0	<5.0	<5.0
	9/17/2014	**256**	<2.5	<2.5	<2.5	<2.5
	3/17/2015	**579**	2.7	<2.5	<2.5	<2.5
	9/23/2015	**456**	**4.45**	<1.00	<1.00	<5.00
MW-36	8/19/2005	<1	<1	<1	<1	1.5
	11/17/2005	<1	<1	<1	<1	1.0
	11/21/2006	<1	<1	<1	<1	2.0
	10/10/2007	<1.0	<1.0	<1.0	<1.0	1.8
	9/30/2008	<1.0	<1.0	<1.0	<1.0	1.5
	9/24/2009	<1.0	<1.0	<1.0	<1.0	2.1
	9/23/2010	<1.0	<1.0	<1.0	<1.0	1.5
	8/31/2011	<1.0	<1.0	<1.0	<1.0	2.4

TABLE 2 (continued)
HISTORICAL SUMMARY OF GROUNDWATER ANALYSIS RESULTS
Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	Chloroform (ug/L)
DMW-37	10/16/2007	**2,650**	**17.3**	2.8	<1.0	3.4
	4/2/2008	**11,900**	**47.0**	<20.0	<20.0	<20.0
	10/2/2008	**8,350**	**48.5**	6.2	1.3	5.5
	9/24/2009	**9,440**	**54.5**	<100	<100	<100
	9/27/2010	**5,720**	<50.0	<50.0	<50.0	<50.0
	4/13/2011	**2,630**	**31.8**	2.7	<1.0	2.7
	9/1/2011	**7,480**	<50.0	<50.0	<50.0	<50.0
	9/7/2012	**6,940**	<50.0	<50.0	<50.0	<50.0
	9/11/2013	**4,990**	<50.0	<50.0	<50.0	<50.0
	9/18/2014	**3,530**	<50.0	<50.0	<50.0	<50.0
	9/24/2015	**5,770**	**26.0**	<1.00	<1.00	5.50
DMW-38	1/8/2013	**1,700**	**8.9**	1.1	<1.0	<5.0
	3/12/2013	**1,290**	**12.4**	1.1	<1.0	2.1
	9/11/2013	**1,780**	**16.2**	<10.0	<10.0	<10.0
	3/18/2014	**879**	<10.0	<10.0	<10.0	<10.0
	9/18/2014	**573**	**6.2**	<5.0	<5.0	<5.0
	3/18/2015	**556**	**5.4**	<5.0	<5.0	<5.0
	9/24/2015	**256**	<5.00	<5.00	<5.00	<25.0
DMW-39	1/8/2013	**13,000**	**200**	18	<1.0	7.7
	3/12/2013	**12,400**	**205**	17.0	<1.0	7.8
	9/11/2013	**10,300**	<100	<100	<100	<100
	3/18/2014	**14,400**	**121**	16.9	<1.0	7.2
	9/18/2014	**9,970**	<100	<100	<100	<100
	3/18/2015	**13,100**	<100	<100	<100	<100
	9/24/2015	**9,560**	**58.8**	9.70	<1.00	6.79
MW-40	4/13/2015	<1.0	<1.0	<1.0	<1.0	<1.0
MW-41	4/13/2015	**890**	**12**	1.2	<1.0	<5.0
	4/20/2015	**910**	**14**	1.4	<1.0	<5.0
MW-42	4/13/2015	**58**	<1.0	<1.0	<1.0	<5.0
	8/12/2015	**38.1**	<1.0	<1.0	<1.0	<5.0
	(duplicate)	**40.8**	<1.0	<1.0	<1.0	<5.0
MW-43	4/13/2015	**3.1**	<1.0	<1.0	<1.0	<5.0
	8/12/2015	**2.26**	<1.0	<1.0	<1.0	<5.0
DMW-44	4/30/2015	**1,400**	**45**	1.6	<1.0	<5.0
	10/8/2015	**946**	**33.3**	1.95	<1.00	<5.00
MW-45	8/12/2015	**159**	**3.84**	<1.0	<1.0	<5.0
MW-46	8/12/2015	**562**	**23.9**	<5.0	<5.0	<25.0
MW-47	8/12/2015	**449**	**106**	<5.0	<5.0	<25.0
DMW-48	10/8/2015	**1,050**	**32.9**	<1.00	<1.00	<5.00
MW-49	4/19/2016	<1.00	<1.00	<1.00	<1.00	<5.00
MW-50	4/19/2016	<1.00	<1.00	<1.00	<1.00	<5.00
MW-51	4/19/2016	<1.00	<1.00	<1.00	<1.00	<5.00
MW-52	4/19/2016	<1.00	1.56	<1.00	<1.00	<5.00
MW-53	4/19/2016	**123**	**40.4**	<1.00	<1.00	<5.00
DMW-54	4/19/2016	**119**	**95.5**	3.03	<1.00	<5.00
DMW-55	4/19/2016	**424**	**30.5**	<1.00	<1.00	<5.00
AS-4	10/15/2015	**141**	<1.00	2.04	<1.00	<5.00
AS-5	9/28/2010	**1,000**	**6.2**	1.0	<1.0	1.4
	10/15/2015	**83.6**	**12.4**	2.04	<1.00	<5.00
SVE-3-2	12/28/2000	**863**	**25**	<20	<20	<20
	4/6/2006	**145**	**31**	<5.0	<5.0	12
	9/12/2013	**173**	**74.1**	<1.0	<1.0	5.7
	9/18/2014	**164**	**72.5**	<1.0	<1.0	9.5
	9/22/2015	**167**	**72.7**	<1.00	<1.00	17.0
NC 2L Standard		0.7	3	350	200	70

PCE = tetrachloroethene; TCE = trichloroethene; 1,1-DCE = 1,1-dichloroethene;
1,1,1-TCA = 1,1,1-trichloroethane.
Concentrations in bold type are above NC groundwater standard.

TABLE 3
Results of Home Owner/Occupant Notifications to Conduct VI Assessments: February-April 2016
Kaba Ilco Corp.
2941 Indiana Avenue
Winston-Salem, North Carolina

Property Address	Proper Owner Name and Address	Date Letter Sent To Owner by Certified Mail	Date Letter Sent To Tenant by Certified Mail	Certified Mail Received by Owner?	Certified Mail Received by Tenant?	Date Letter Sent To Owner by Regular Mail?	Date Letter Sent To Tenant by Regular Mail?	Response Form Returned by Owner?	Response Form Returned by Tenant?	Permission to Sample Granted by Owner?	Permission to Sample Granted by Tenant?
2403 Glenn Avenue	Lillie Mae Walters 2403 Glenn Ave. Winston-Salem 27105-5213	2/29/16	n/a	Yes (3/3/16)	n/a	n/a	n/a	Yes (received on 3/14/16)	n/a	Yes	n/a
2326 Ivy Avenue	Zanthia Kimbraugh 2326 Ivy Ave. Winston-Salem, NC 27105	2/29/16	n/a	No (unclaimed, RTS)	n/a	3/23/16	n/a	No	n/a	No	n/a
2400 Ivy Avenue	SE Snyder Group 4 LLC P.O. Box 11966 Winston-Salem, NC 27116-1966	2/29/16	2/29/16	No (unclaimed, RTS)	Yes (no date on receipt)	3/23/16	n/a	No (2)	No (2)	No (2)	No (2)
2404 Ivy Avenue	SE Snyder Group 4 LLC P.O. Box 11966 Winston-Salem, NC 27116-1966	2/29/16	2/29/16	No (unclaimed, RTS)	No (unclaimed, RTS)	3/23/16	3/23/16	No (2)	No (2)	No (2)	No (2)
2408 Ivy Avenue	Donald L. Evans 1305 Millbrook Rd., Suite C31 Raleigh, NC 27609-4479	3/1/16	2/29/16	No (unclaimed, RTS)	No (unclaimed, RTS)	3/23/16	3/23/16 (3)	No	No	No	No
2412 Ivy Avenue	Maria Nella Floyd 4720 Old Rural Hall Road Winston-Salem, NC 27105-2447	2/29/16	2/29/16	Yes (3/2/16)	No (unclaimed, RTS)	n/a	3/23/16	Yes (received on 3/23/16)	(4)	Yes	(4)
2416 Ivy Avenue	Loretta P. Edwards 2416 Ivy Avenue Winston-Salem NC 27105-5240	2/29/16	n/a	Yes (no date on Receipt)	n/a	n/a	n/a	No	n/a	No	n/a
2420 Ivy Avenue	C.W. Myers Trading Post, Inc. 2718 Liberty Street N. Winston-Salem, NC 27105-4438	2/29/16	2/29/16	Yes (no date on receipt)	Yes (no date on receipt)	n/a	n/a	Yes (received on 3/14/16)(1)	(4)	Yes	(4)
2424 Ivy Avenue	Timothy L. Williams 2424 Ivy Avenue Winston-Salem NC 27105-5240	2/29/16	n/a	No (unclaimed, RTS)	n/a	3/23/16	n/a	No	n/a	No	n/a

(1) Questionnaire completed by Gerald Spaugh, officer of owner corporation.
(2) Owner responded by telephone on 3/25/16. He did not accept the certified letter but received the second mailing. He does not grant permission to allow the vapor intrusion assessment for his properties and stated that the tenants also do not grant permission.
(3) Mailing was returned with note indicating that residence is vacant.
(4) The property owners authorized the vapor intrusion assessment to proceed on behalf of the tenants and provided access for the home inspection and sampling.
RTS = Returned to sender.

APPENDIX A

MONITORING-WELL GAUGING DATA

MONITORING-WELL GAUGING DATA

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-1	3/29/1995	978.74	46.28	932.46
	5/17/1995	978.74	46.27	932.47
	7/17/1995	978.74	46.34	932.40
	7/25/1995	978.74	46.40	932.34
	8/22/1995	978.74	46.39	932.35
	12/13/1995	978.74	45.87	932.87
	2/9/1996	978.74	46.35	932.39
	8/11/1997	978.74	43.82	934.92
	4/13/1999	978.74	46.47	932.27
	9/25/2000	978.74	46.92	931.82
	6/27/2001	978.74	48.36	930.38
	9/10/2001	978.74	48.45	930.29
	3/25/2002	978.74	49.58	929.16
	6/10/2002	978.74	49.71	929.03
	10/1/2002	978.74	50.23	928.51
	12/3/2002	978.74	50.52	928.22
	3/3/2003	978.74	49.42	929.32
	5/27/2003	978.74	47.93	930.81
	9/25/2003	978.74	44.49	934.25
	12/15/2003	978.74	43.47	935.27
	3/24/2004	978.74	43.86	934.88
	6/7/2004	978.74	43.99	934.75
	9/29/2004	978.74	44.37	934.37
	12/13/2004	978.74	44.64	934.10
	4/20/2005	978.74	44.95	933.79
	11/16/2005	978.74	44.64	934.10
	4/5/2006	978.74	45.25	933.49
	11/3/2006	978.74	46.11	932.63
	10/8/2007	978.74	46.10	932.64
	4/1/2008	978.74	47.37	931.37
	9/29/2008	978.74	47.51	931.23
	3/13/2009	978.74	48.20	930.54
	9/21/2009	978.74	47.10	931.64
	3/2/2010	978.74	46.81	931.93
	9/21/2010	978.74	44.61	934.13
	4/13/2011	978.74	46.10	932.64
	8/29/2011	978.74	46.47	932.27
	3/13/2012	978.74	47.02	931.72
	9/4/2012	978.74	47.45	931.29
	3/11/2013	978.74	48.25	930.49
	9/9/2013	978.74	47.22	931.52
	3/17/2014	978.74	47.72	931.02
	9/15/2014	978.74	46.23	932.51
	3/18/2015	978.74	48.65	930.09
	5/26/2015	978.74	49.77	928.97
	9/21/2015	978.74	50.84	927.90
	1/13/2016	978.74	50.53	928.21
	3/14/2016	978.74	49.69	929.05

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-2	12/20/1993	979.10	45.00	934.10
	3/29/1995	979.10	46.53	932.57
	5/17/1995	979.10	46.52	932.58
	7/17/1995	979.10	46.58	932.52
	7/25/1995	979.10	46.64	932.46
	8/22/1995	979.10	46.65	932.45
	12/13/1995	979.10	46.18	932.92
	2/9/1996	979.10	46.62	932.48
	8/11/1997	979.10	43.55	935.55
	4/13/1999	979.10	46.70	932.40
	9/25/2000	979.10	47.19	931.91
	6/27/2001	979.10	48.64	930.46
	9/10/2001	979.10	48.74	930.36
	3/25/2002	979.10	49.31	929.79
	6/10/2002	979.10	49.99	929.11
	10/1/2002	979.10	50.53	928.57
	12/3/2002	979.10	50.80	928.30
	3/3/2003	979.10	49.78	929.32
	5/27/2003	979.10	48.24	930.86
	12/18/2003	979.10	43.59	935.51
	3/24/2004	979.10	43.59	935.51
	6/7/2004	979.10	43.73	935.37
	12/13/2004	979.10	44.88	934.22
	11/16/2005	979.10	45.98	933.12
	11/3/2006	979.10	45.86	933.24
	3/27/2007	979.10	46.08	933.02
	10/8/2007	979.10	46.35	932.75
	4/1/2008	979.10	47.57	931.53
	9/29/2008	979.10	47.77	931.33
	3/13/2009	979.10	48.46	930.64
	9/21/2009	979.10	47.38	931.72
	3/2/2010	979.10	47.07	932.03
	9/21/2010	979.10	44.90	934.20
	4/13/2011	979.10	46.35	932.75
	8/29/2011	979.10	46.72	932.38
	9/9/2013	979.10	47.48	931.62
	3/17/2014	979.10	47.96	931.14
	3/18/2015	979.10	48.92	930.18
	5/26/2015	979.10	50.11	928.99
	9/21/2015	979.10	51.20	927.90
	1/13/2016	979.10	50.87	928.23
	3/14/2016	979.10	50.04	929.06
MW-3	12/20/1993	967.63	39.00	928.63
	3/29/1995	967.63	40.42	927.21
	5/17/1995	967.63	40.18	927.45
	7/17/1995	967.63	40.53	927.10
	7/25/1995	967.63	40.58	927.05
	8/22/1995	967.63	40.65	926.98

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-3	12/13/1995	967.63	41.04	926.59
	2/9/1996	967.63	40.91	926.72
	8/11/1997	967.63	37.44	930.19
	4/13/1999	967.63	41.06	926.57
	9/25/2000	967.63	41.64	925.99
	6/27/2001	967.63	43.11	924.52
	9/10/2001	967.63	43.35	924.28
	3/25/2002	967.63	44.50	923.13
	6/10/2002	967.63	43.93	923.70
	10/1/2002	967.63	45.60	922.03
	12/3/2002	967.63	45.25	922.38
	3/3/2003	967.63	43.96	923.67
	5/27/2003	967.63	41.31	926.32
	9/25/2003	967.63	37.89	929.74
	12/15/2003	967.63	37.58	930.05
	3/24/2004	967.63	38.21	929.42
	6/7/2004	967.63	38.42	929.21
	9/29/2004	967.63	39.30	928.33
	12/13/2004	967.63	39.67	927.96
	4/20/2005	967.63	39.53	928.10
	11/16/2005	967.63	40.00	927.63
	11/2/2006	967.63	41.38	926.25
	10/8/2007	967.63	41.31	926.32
	4/1/2008	967.63	42.73	924.90
	9/29/2008	967.63	42.80	924.83
	3/13/2009	967.63	43.57	924.06
	9/21/2009	967.63	42.39	925.24
	3/2/2010	967.63	41.22	926.41
	9/21/2010	967.63	39.25	928.38
	4/13/2011	967.63	44.66	922.97
	8/29/2011	967.63	41.25	926.38
	3/13/2012	967.63	41.81	925.82
	9/4/2012	967.63	42.42	925.21
	3/11/2013	967.63	43.22	924.41
	9/9/2013	967.63	42.06	925.57
	3/17/2014	967.63	42.64	924.99
	9/15/2014	967.63	41.28	926.35
	3/18/2015	967.63	43.40	924.23
	5/26/2015	967.63	43.82	923.81
	9/21/2015	967.63	44.55	923.08
	1/13/2016	967.63	44.68	922.95
	3/14/2016	967.63	43.29	924.34
MW-4	12/20/1993	974.73	43.70	931.03
	3/29/1995	974.73	45.14	929.59
	5/17/1995	974.73	44.94	929.79
	7/17/1995	974.73	45.21	929.52
	7/25/1995	974.73	45.26	929.47
	8/22/1995	974.73	45.34	929.39

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-4	12/13/1995	974.73	45.56	929.17
	2/9/1996	974.73	45.48	929.25
	8/11/1997	974.73	42.50	932.23
	4/13/1999	974.73	45.57	929.16
	9/25/2000	974.73	46.26	928.47
	6/27/2001	974.73	47.56	927.17
	9/10/2001	974.73	47.70	927.03
	3/25/2002	974.73	48.58	926.15
	6/10/2002	974.73	48.94	925.79
	10/1/2002	974.73	49.47	925.26
	12/3/2002	974.73	49.52	925.21
	3/3/2003	974.73	48.29	926.44
	5/27/2003	974.73	46.20	928.53
	9/25/2003	974.73	42.85	931.88
	12/15/2003	974.73	42.14	932.59
	3/24/2004	974.73	42.57	932.16
	6/7/2004	974.73	42.70	932.03
	9/29/2004	974.73	43.49	931.24
	12/13/2004	974.73	43.84	930.89
	4/20/2005	974.73	43.79	930.94
	11/16/2005	974.73	44.18	930.55
	11/2/2006	974.73	45.32	929.41
	3/27/2007	974.73	45.10	929.63
	10/8/2007	974.73	45.43	929.30
	4/1/2008	974.73	46.71	928.02
	9/29/2008	974.73	46.73	928.00
	3/13/2009	974.73	47.42	927.31
	9/21/2009	974.73	46.29	928.44
	3/2/2010	974.73	45.56	929.17
	9/21/2010	974.73	43.64	931.09
	4/13/2011	974.73	45.25	929.48
	8/29/2011	974.73	45.55	929.18
	3/13/2012	974.73	46.17	928.56
	9/4/2012	974.73	46.68	928.05
	3/11/2013	974.73	47.44	927.29
	9/9/2013	974.73	46.30	928.43
	3/17/2014	974.73	46.74	927.99
	9/15/2014	974.73	45.31	929.42
	3/18/2015	974.73	48.20	926.53
	5/26/2015	974.73	49.37	925.36
	9/21/2015	974.73	50.33	924.40
	1/13/2016	974.73	49.86	924.87
	3/14/2016	974.73	48.93	925.80
MW-5	12/20/1993	988.47	dry	n/a
	3/29/1995	988.47	36.44	952.03
	5/17/1995	988.47	dry	n/a
	7/17/1995	988.47	dry	n/a
	7/25/1995	988.47	dry	n/a

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-5	8/22/1995	988.47	37.22	951.25
	12/13/1995	988.47	dry	n/a
	2/9/1996	988.47	dry	n/a
	8/11/1997	988.47	33.43	955.04
	4/13/1999	988.47	dry	n/a
MW-6	3/29/1995	980.78	45.43	935.35
	5/17/1995	980.78	45.46	935.32
	7/17/1995	980.78	45.54	935.24
	7/25/1995	980.78	45.57	935.21
	8/22/1995	980.78	45.54	935.24
	12/13/1995	980.78	45.72	935.06
	2/9/1996	980.78	45.65	935.13
	8/11/1997	980.78	42.69	938.09
	6/27/2001	980.78	46.94	933.84
	9/10/2001	980.78	dry	n/a
	3/25/2002	980.78	dry	n/a
	6/10/2002	980.78	dry	n/a
	10/1/2002	980.78	dry	n/a
	12/3/2002	980.78	dry	n/a
	3/3/2003	980.78	dry	n/a
	5/27/2003	980.78	45.67	935.11
	9/25/2003	980.78	42.79	937.99
	12/15/2003	980.78	41.92	938.86
	3/24/2004	980.78	42.25	938.53
	6/7/2004	980.78	42.40	938.38
	12/13/2004	980.78	43.01	937.77
	11/16/2005	980.78	43.18	937.60
	11/2/2006	980.78	44.13	936.65
	10/8/2007	980.78	44.53	936.25
	9/29/2008	980.78	45.98	934.80
	9/21/2009	980.78	45.44	935.34
	9/21/2010	980.78	43.16	937.62
	8/29/2011	980.78	44.97	935.81
	9/4/2012	980.78	45.81	934.97
	9/9/2013	980.78	45.28	935.50
	3/17/2014	980.78	45.72	935.06
	9/15/2014	980.78	44.51	936.27
	3/18/2015	980.78	46.55	934.23
	5/26/2015	980.78	dry	n/a
	9/21/2015	980.78	dry	n/a
	1/13/2016	980.78	47.15	933.63
	3/14/2016	980.78	46.34	934.44
MW-7	3/29/1995	967.44	31.75	935.69
	5/17/1995	967.44	31.67	935.77
	7/17/1995	967.44	31.90	935.54
	7/25/1995	967.44	31.94	935.50
	8/22/1995	967.44	31.98	935.46
	12/13/1995	967.44	32.12	935.32

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-7	2/9/1996	967.44	31.91	935.53
	6/11/1996	967.44	31.02	936.42
	8/11/1997	967.44	29.00	938.44
	4/13/1999	967.44	31.88	935.56
	9/25/2000	967.44	32.61	934.83
	12/28/2000	967.44	33.11	934.33
	3/12/2001	967.44	33.67	933.77
	6/27/2001	967.44	33.88	933.56
	9/10/2001	967.44	34.11	933.33
	3/25/2002	967.44	35.22	932.22
	6/10/2002	967.44	35.59	931.85
	10/1/2002	967.44	36.08	931.36
	12/3/2002	967.44	35.98	931.46
	3/3/2003	967.44	34.88	932.56
	5/27/2003	967.44	33.28	934.16
	9/25/2003	967.44	31.48	935.96
	12/15/2003	967.44	30.44	937.00
	3/24/2004	967.44	30.28	937.16
	6/7/2004	967.44	30.34	937.10
	9/29/2004	967.44	30.94	936.50
	12/13/2004	967.44	31.12	936.32
	4/20/2005	967.44	31.09	936.35
	11/16/2005	967.44	31.29	936.15
	4/5/2006	967.44	31.70	935.74
	11/3/2006	967.44	32.85	934.59
	3/27/2007	967.44	32.06	935.38
	10/8/2007	967.44	31.60	935.84
	4/1/2008	967.44	32.83	934.61
	9/29/2008	967.44	32.84	934.60
	3/13/2009	967.44	33.72	933.72
	9/21/2009	967.44	31.48	935.96
	3/3/2010	967.44	31.09	936.35
	9/21/2010	967.44	33.13	934.31
	4/13/2011	967.44	29.14	938.30
	8/29/2011	967.44	31.22	936.22
	3/13/2012	967.44	32.58	934.86
	9/4/2012	967.44	32.38	935.06
	3/11/2013	967.44	32.38	935.06
	4/30/2013	967.44	32.40	935.04
	9/9/2013	967.44	32.94	934.50
	3/17/2014	967.44	32.88	934.56
	9/15/2014	967.44	31.81	935.63
	3/18/2015	967.44	35.02	932.42
	5/26/2015	967.44	35.11	932.33
	9/21/2015	967.44	37.60	929.84
	1/13/2016	967.44	34.48	932.96
	3/14/2016	967.44	34.65	932.79
MW-8	3/29/1995	984.79	46.15	938.64

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-8	5/17/1995	984.79	46.00	938.79
	7/17/1995	984.79	40.44	944.35
	7/25/1995	984.79	46.20	938.59
	8/22/1995	984.79	46.16	938.63
	12/13/1995	984.79	40.31	944.48
	2/9/1996	984.79	46.07	938.72
	8/11/1997	984.79	43.15	941.64
	4/13/1999	984.79	45.95	938.84
	9/25/2000	984.79	46.06	938.73
	6/27/2001	984.79	47.05	937.74
	9/10/2001	984.79	47.21	937.58
	3/25/2002	984.79	48.08	936.71
	6/10/2002	984.79	48.80	935.99
	10/1/2002	984.79	48.31	936.48
	12/3/2002	984.79	48.17	936.62
	3/3/2003	984.79	47.01	937.78
	5/27/2003	984.79	45.53	939.26
	9/25/2003	984.79	43.24	941.55
	12/15/2003	984.79	42.72	942.07
	3/24/2004	984.79	43.03	941.76
	6/7/2004	984.79	43.12	941.67
	12/13/2004	984.79	43.46	941.33
	4/20/2005	984.79	43.29	941.50
	11/16/2005	984.79	43.73	941.06
	4/5/2006	984.79	44.25	940.54
	11/3/2006	984.79	44.84	939.95
	10/8/2007	984.79	45.05	939.74
	9/29/2008	984.79	46.29	938.50
	9/21/2009	984.79	45.84	938.95
	9/21/2010	984.79	44.21	940.58
	8/29/2011	984.79	45.77	939.02
	9/4/2012	984.79	46.48	938.31
	9/9/2013	984.79	45.92	938.87
	3/17/2014	984.79	46.48	938.31
	9/15/2014	984.79	45.07	939.72
	3/18/2015	984.79	46.96	937.83
	5/26/2015	984.79	47.48	937.31
	9/21/2015	984.79	47.60	937.19
	1/13/2016	984.79	47.15	937.64
	3/14/2016	984.79	46.27	938.52
MW-9	3/29/1995	988.77	45.17	943.60
	5/17/1995	988.77	44.92	943.85
	7/17/1995	988.77	45.15	943.62
	7/25/1995	988.77	45.20	943.57
	8/22/1995	988.77	45.17	943.60
	12/13/1995	988.77	45.10	943.67
	8/11/1997	988.77	41.70	947.07
MW-10	5/17/1995	991.74	50.17	941.57

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-10	7/17/1995	991.74	50.30	941.44
	7/25/1995	991.74	50.38	941.36
	8/22/1995	991.74	50.23	941.51
	12/13/1995	991.74	50.38	941.36
	2/9/1996	991.74	50.15	941.59
	8/11/1997	991.74	47.03	944.71
	4/13/1999	991.74	50.19	941.55
	9/25/2000	991.74	50.03	941.71
	12/28/2000	991.74	50.49	941.25
	3/12/2001	991.74	51.19	940.55
	6/27/2001	991.74	51.26	940.48
	9/10/2001	991.74	51.47	940.27
	3/25/2002	991.74	52.55	939.19
	6/10/2002	991.74	52.62	939.12
	10/1/2002	991.74	52.84	938.90
	12/3/2002	991.74	52.51	939.23
	3/3/2003	991.74	51.08	940.66
	5/27/2003	991.74	49.09	942.65
	9/25/2003	991.74	46.77	944.97
	12/15/2003	991.74	46.79	944.95
	3/24/2004	991.74	47.38	944.36
	6/7/2004	991.74	47.83	943.91
	9/29/2004	991.74	48.17	943.57
	12/13/2004	991.74	47.48	944.26
	4/20/2005	991.74	46.83	944.91
	11/16/2005	991.74	47.63	944.11
	4/5/2006	991.74	47.20	944.54
	11/3/2006	991.74	48.36	943.38
	3/27/2007	991.74	48.63	943.11
	10/8/2007	991.74	48.57	943.17
	4/1/2008	991.74	50.32	941.42
	9/29/2008	991.74	50.36	941.38
	3/13/2009	991.74	50.88	940.86
	9/21/2009	991.74	49.90	941.84
	3/3/2010	991.74	49.42	942.32
	9/21/2010	991.74	48.00	943.74
	4/14/2011	991.74	49.60	942.14
	8/29/2011	991.74	49.30	942.44
	3/13/2012	991.74	49.62	942.12
	9/4/2012	991.74	50.16	941.58
	3/11/2013	991.74	50.96	940.78
	9/9/2013	991.74	49.65	942.09
	3/17/2014	991.74	49.93	941.81
	9/15/2014	991.74	48.33	943.41
	3/18/2015	991.74	50.89	940.85
	5/26/2015	991.74	51.14	940.60
	9/21/2015	991.74	51.25	940.49
	1/13/2016	991.74	50.82	940.92

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-10	3/14/2016	991.74	49.65	942.09
MW-11	5/17/1995	988.37	39.46	948.91
	7/17/1995	988.37	39.80	948.57
	7/25/1995	988.37	39.63	948.74
	8/22/1995	988.37	39.65	948.72
	12/13/1995	988.37	38.91	949.46
	2/9/1996	988.37	38.89	949.48
	8/11/1997	988.37	39.36	949.01
	4/13/1999	988.37	38.74	949.63
	9/25/2000	988.37	40.31	948.06
	6/27/2001	988.37	40.68	947.69
	9/10/2001	988.37	41.49	946.88
	12/10/2001	988.37	42.42	945.95
	3/25/2002	988.37	43.18	945.19
	6/10/2002	988.37	43.34	945.03
	10/1/2002	988.37	44.17	944.20
	12/3/2002	988.37	42.23	946.14
	3/3/2003	988.37	40.26	948.11
	5/27/2003	988.37	37.77	950.60
	9/25/2003	988.37	35.96	952.41
	12/15/2003	988.37	36.75	951.62
	3/24/2004	988.37	37.69	950.68
	6/7/2004	988.37	38.02	950.35
	12/13/2004	988.37	38.44	949.93
	11/16/2005	988.37	38.86	949.51
	11/2/2006	988.37	39.39	948.98
	10/8/2007	988.37	39.88	948.49
	9/29/2008	988.37	41.29	947.08
	9/21/2009	988.37	40.70	947.67
	9/21/2010	988.37	38.10	950.27
	8/29/2011	988.37	39.36	949.01
	9/4/2012	988.37	40.45	947.92
	9/9/2013	988.37	39.13	949.24
	3/17/2014	988.37	38.83	949.54
	9/15/2014	988.37	38.33	950.04
	3/18/2015	988.37	40.79	947.58
	5/26/2015	988.37	40.44	947.93
	9/21/2015	988.37	40.49	947.88
	1/13/2016	988.37	39.00	949.37
	3/14/2016	988.37	37.65	950.72
MW-12	5/17/1995	981.70	41.69	940.01
	7/17/1995	981.70	41.91	939.79
	7/25/1995	981.70	41.97	939.73
	8/22/1995	981.70	42.01	939.69
	12/13/1995	981.70	42.04	939.66
	2/9/1996	981.70	41.80	939.90
	8/11/1997	981.70	38.85	942.85
	4/13/1999	981.70	41.79	939.91

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-12	9/25/2000	981.70	42.23	939.47
	6/27/2001	981.70	43.07	938.63
	9/10/2001	981.70	43.85	937.85
	3/25/2002	981.70	45.94	935.76
	6/10/2002	981.70	45.22	936.48
	10/1/2002	981.70	45.59	936.11
	12/3/2002	981.70	47.23	934.47
	3/3/2003	981.70	44.09	937.61
	5/27/2003	981.70	42.04	939.66
	9/25/2003	981.70	40.15	941.55
	12/15/2003	981.70	39.36	942.34
	3/24/2004	981.70	39.39	942.31
	6/7/2004	981.70	39.55	942.15
	12/13/2004	981.70	39.93	941.77
	4/20/2005	981.70	40.01	941.69
	11/16/2005	981.70	40.29	941.41
	4/5/2006	981.70	40.40	941.30
	11/3/2006	981.70	41.04	940.66
	3/27/2007	981.70	40.64	941.06
	10/8/2007	981.70	41.00	940.70
	9/29/2008	981.70	42.36	939.34
	3/13/2009	981.70	42.81	938.89
	9/21/2009	981.70	42.30	939.40
	3/2/2010	981.70	41.79	939.91
	9/21/2010	981.70	40.23	941.47
	8/29/2011	981.70	41.86	939.84
	9/4/2012	981.70	42.80	938.90
	9/9/2013	981.70	42.31	939.39
	3/17/2014	981.70	42.66	939.04
	9/15/2014	981.70	41.41	940.29
	3/18/2015	981.70	43.25	938.45
	5/26/2015	981.70	43.75	937.95
	9/21/2015	981.70	44.29	937.41
	1/13/2016	981.70	43.96	937.74
	3/14/2016	981.70	43.06	938.64
MW-13	5/17/1995	978.97	26.59	952.38
	7/17/1995	978.97	28.55	950.42
	7/25/1995	978.97	28.58	950.39
	8/22/1995	978.97	28.59	950.38
	12/13/1995	978.97	28.73	950.24
	2/9/1996	978.97	28.32	950.65
	8/11/1997	978.97	25.11	953.86
	4/13/1999	978.97	27.93	951.04
	9/25/2000	978.97	29.26	949.71
	6/27/2001	978.97	29.60	949.37
	9/10/2001	978.97	30.05	948.92
	12/10/2001	978.97	30.73	948.24
	3/25/2002	978.97	31.45	947.52

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-13	6/10/2002	978.97	32.47	946.50
	10/1/2002	978.97	32.51	946.46
	12/3/2002	978.97	32.71	946.26
	3/3/2003	978.97	31.46	947.51
	5/27/2003	978.97	29.92	949.05
	9/25/2003	978.97	27.29	951.68
	12/15/2003	978.97	26.39	952.58
	3/24/2004	978.97	26.34	952.63
	6/7/2004	978.97	26.38	952.59
	12/13/2004	978.97	27.28	951.69
	11/16/2005	978.97	26.93	952.04
	11/1/2006	978.97	27.96	951.01
	10/8/2007	978.97	27.76	951.21
	9/29/2008	978.97	29.48	949.49
	9/21/2009	978.97	29.15	949.82
	9/21/2010	978.97	26.62	952.35
	8/29/2011	978.97	28.09	950.88
	9/9/2013	978.97	28.20	950.77
	3/17/2014	978.97	28.68	950.29
	9/15/2014	978.97	27.15	951.82
	3/18/2015	978.97	28.78	950.19
	5/26/2015	978.97	28.92	950.05
	9/21/2015	978.97	29.08	949.89
	1/13/2016	978.97	29.37	949.60
	3/14/2016	978.97	28.70	950.27
MW-14	5/17/1995	974.35	41.16	933.19
	7/17/1995	974.35	41.28	933.07
	7/25/1995	974.35	41.32	933.03
	8/22/1995	974.35	41.36	932.99
	12/13/1995	974.35	41.41	932.94
	2/9/1996	974.35	41.43	932.92
	8/14/1997	974.35	38.56	935.79
	4/13/1999	974.35	41.35	933.00
	9/10/2001	974.35	43.40	930.95
	10/1/2002	974.35	45.31	929.04
	12/3/2002	974.35	45.28	929.07
	3/3/2003	974.35	44.39	929.96
	5/27/2003	974.35	42.78	931.57
	9/25/2003	974.35	39.50	934.85
	12/15/2003	974.35	38.52	935.83
	3/24/2004	974.35	38.51	935.84
	6/7/2004	974.35	38.63	935.72
	12/13/2004	974.35	39.45	934.90
	4/20/2005	974.35	39.52	934.83
	11/16/2005	974.35	39.58	934.77
	4/5/2005	974.35	40.00	934.35
	11/2/2006	974.35	40.68	933.67
	10/8/2007	974.35	40.91	933.44

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-14	9/29/2008	974.35	42.33	932.02
	3/13/2009	974.35	43.01	931.34
	9/21/2009	974.35	42.03	932.32
	3/2/2010	974.35	41.65	932.70
	9/21/2010	974.35	39.58	934.77
	8/29/2011	974.35	41.33	933.02
	3/13/2012	974.35	41.88	932.47
	9/4/2012	974.35	42.37	931.98
	3/11/2013	974.35	43.13	931.22
	9/9/2013	974.35	42.08	932.27
	3/17/2014	974.35	42.54	931.81
	9/15/2014	974.35	41.12	933.23
	3/18/2015	974.35	44.10	930.25
	5/26/2015	974.35	45.47	928.88
	9/21/2015	974.35	46.71	927.64
	1/13/2016	974.35	45.83	928.52
	3/14/2016	974.35	45.34	929.01
MW-15	5/17/1995	977.89	48.59	929.30
	7/17/1995	977.89	48.74	929.15
	7/25/1995	977.89	48.80	929.09
	8/22/1995	977.89	48.82	929.07
	12/13/1995	977.89	49.02	928.87
	2/9/1996	977.89	49.82	928.07
	8/11/1997	977.89	46.00	931.89
	4/13/1999	977.89	48.20	929.69
	9/25/2000	977.89	49.61	928.28
	6/27/2001	977.89	50.92	926.97
	9/10/2001	977.89	51.00	926.89
	3/25/2002	977.89	52.07	925.82
	10/1/2002	977.89	53.10	924.79
	12/3/2002	977.89	53.28	924.61
	3/3/2003	977.89	52.20	925.69
	5/27/2003	977.89	50.01	927.88
	9/25/2003	977.89	46.71	931.18
	12/15/2003	977.89	46.00	931.89
	3/24/2004	977.89	46.44	931.45
	6/7/2004	977.89	46.59	931.30
	12/13/2004	977.89	47.66	930.23
	11/16/2005	977.89	48.02	929.87
	11/1/2006	977.89	49.16	928.73
	10/8/2007	977.89	49.12	928.77
	9/29/2008	977.89	50.59	927.30
	9/21/2009	977.89	50.30	927.59
	9/21/2010	977.89	47.45	930.44
	8/29/2011	977.89	49.43	928.46
	9/4/2012	977.89	50.41	927.48
	9/9/2013	977.89	50.26	927.63
	3/17/2014	977.89	50.81	927.08

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-15	9/15/2014	977.89	49.43	928.46
	3/18/2015	977.89	51.45	926.44
	5/26/2015	977.89	52.21	925.68
	9/21/2015	977.89	52.96	924.93
	1/13/2016	977.89	53.07	924.82
	3/14/2016	977.89	51.92	925.97
MW-16	7/17/1995	985.21	31.71	953.50
	7/25/1995	985.21	31.74	953.47
	8/22/1995	985.21	31.70	953.51
	12/13/1995	985.21	31.75	953.46
	2/9/1996	985.21	31.55	953.66
	8/11/1997	985.21	27.65	957.56
	4/13/1999	985.21	30.62	954.59
	9/25/2000	985.21	32.32	952.89
	6/27/2001	985.21	32.06	953.15
	9/10/2001	985.21	32.63	952.58
	12/10/2001	985.21	32.75	952.46
	3/25/2002	985.21	33.04	952.17
	6/10/2002	985.21	33.34	951.87
	10/1/2002	985.21	33.79	951.42
	12/3/2002	985.21	33.46	951.75
	3/3/2003	985.21	32.74	952.47
	5/27/2003	985.21	33.11	952.10
	9/25/2003	985.21	29.26	955.95
	12/15/2003	985.21	28.49	956.72
	3/24/2004	985.21	28.82	956.39
	6/7/2004	985.21	28.93	956.28
	12/13/2004	985.21	29.91	955.30
	11/16/2005	985.21	29.78	955.43
	11/1/2006	985.21	30.92	954.29
	10/8/2007	985.21	30.78	954.43
	9/29/2008	985.21	32.58	952.63
	9/21/2009	985.21	32.19	953.02
	9/21/2010	985.21	29.14	956.07
	8/29/2011	985.21	31.14	954.07
	9/9/2013	985.21	31.69	953.52
	3/17/2014	985.21	32.05	953.16
	9/15/2014	985.21	30.35	954.86
	3/18/2015	985.21	32.25	952.96
	5/26/2015	985.21	32.30	952.91
	9/21/2015	985.21	32.38	952.83
	1/13/2016	985.21	32.29	952.92
	3/14/2016	985.21	31.69	953.52
MW-17	5/17/1995	988.32	36.85	951.47
	7/17/1995	988.32	37.00	951.32
	7/25/1995	988.32	37.02	951.30
	8/22/1995	988.32	37.05	951.27
	12/13/1995	988.32	36.71	951.61

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-17	2/9/1996	988.32	36.58	951.74
	8/11/1997	988.32	33.29	955.03
	4/13/1999	988.32	36.00	952.32
	9/25/2000	988.32	37.59	950.73
	6/27/2001	988.32	38.08	950.24
	9/10/2001	988.32	38.61	949.71
	12/10/2001	988.32	39.23	949.09
	3/25/2002	988.32	40.01	948.31
	6/10/2002	988.32	40.43	947.89
	10/1/2002	988.32	40.86	947.46
	12/3/2002	988.32	40.49	947.83
	3/3/2003	988.32	38.92	949.40
	5/27/2003	988.32	36.43	951.89
	9/25/2003	988.32	34.28	954.04
	12/15/2003	988.32	33.96	954.36
	3/24/2004	988.32	34.64	953.68
	6/7/2004	988.32	34.82	953.50
	12/13/2004	988.32	35.45	952.87
	11/16/2005	988.32	35.63	952.69
	11/1/2006	988.32	36.66	951.66
	10/8/2007	988.32	36.62	951.70
	9/29/2008	988.32	38.33	949.99
	9/21/2009	988.32	37.77	950.55
	9/21/2010	988.32	34.75	953.57
	8/29/2011	988.32	36.57	951.75
	9/9/2013	988.32	36.61	951.71
	3/17/2014	988.32	36.67	951.65
	9/15/2014	988.32	35.60	952.72
	3/18/2015	988.32	37.75	950.57
	5/26/2015	988.32	37.68	950.64
	9/21/2015	988.32	37.72	950.60
	1/13/2016	988.32	36.67	951.65
	3/14/2016	988.32	35.58	952.74
MW-18	7/17/1995	972.94	31.16	941.78
	7/25/1995	972.94	31.22	941.72
	8/22/1995	972.94	31.23	941.71
	12/13/1995	972.94	31.07	941.87
	2/9/1996	972.94	30.78	942.16
	8/11/1997	972.94	27.95	944.99
	4/13/1999	972.94	31.20	941.74
	9/25/2000	972.94	32.24	940.70
	6/27/2001	972.94	33.41	939.53
	9/10/2001	972.94	33.81	939.13
	3/25/2002	972.94	35.03	937.91
	6/10/2002	972.94	35.16	937.78
	10/1/2002	972.94	35.63	937.31
	12/3/2002	972.94	35.20	937.74
	3/3/2003	972.94	33.99	938.95

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-18	5/27/2003	972.94	32.04	940.90
	9/25/2003	972.94	29.57	943.37
	12/15/2003	972.94	29.19	943.75
	3/24/2004	972.94	29.18	943.76
	6/7/2004	972.94	29.22	943.72
	12/13/2004	972.94	29.92	943.02
	11/16/2005	972.94	31.21	941.73
	11/1/2006	972.94	30.68	942.26
	10/8/2007	972.94	30.53	942.41
	9/29/2008	972.94	32.41	940.53
	9/21/2009	972.94	32.32	940.62
	9/21/2010	972.94	30.10	942.84
	8/29/2011	972.94	31.72	941.22
	9/9/2013	972.94	32.12	940.82
	3/17/2014	972.94	32.30	940.64
	9/15/2014	972.94	31.29	941.65
	3/18/2015	972.94	33.06	939.88
	5/26/2015	972.94	33.20	939.74
	9/21/2015	972.94	34.00	938.94
	1/13/2016	972.94	33.56	939.38
	3/14/2016	972.94	32.29	940.65
MW-19	7/17/1995	965.02	27.25	937.77
	7/25/1995	965.02	27.33	937.69
	8/22/1995	965.02	27.47	937.55
	12/13/1995	965.02	27.00	938.02
	8/11/1997	965.02	24.39	940.63
	4/13/1999	965.02	27.31	937.71
	9/25/2000	965.02	28.60	936.42
	6/27/2001	965.02	29.56	935.46
	9/10/2001	965.02	29.99	935.03
	3/25/2002	965.02	31.15	933.87
	6/10/2002	965.02	31.46	933.56
	10/1/2002	965.02	32.08	932.94
	12/3/2002	965.02	31.35	933.67
	3/3/2003	965.02	30.54	934.48
	5/27/2003	965.02	27.71	937.31
	9/25/2003	965.02	25.57	939.45
	12/15/2003	965.02	25.45	939.57
	3/24/2004	965.02	25.24	939.78
	6/7/2004	965.02	25.32	939.70
	12/13/2004	965.02	26.05	938.97
	11/16/2005	965.02	26.62	938.40
	11/1/2006	965.02	26.81	938.21
	10/8/2007	965.02	26.98	938.04
	9/29/2008	965.02	28.65	936.37
	9/21/2009	965.02	28.61	936.41
	9/21/2010	965.02	26.44	938.58
	8/29/2011	965.02	27.90	937.12

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-19	9/9/2013	965.02	28.17	936.85
	3/17/2014	965.02	28.03	936.99
	9/15/2014	965.02	27.63	937.39
MW-20	7/17/1995	962.64	32.08	930.56
	7/25/1995	962.64	32.12	930.52
	8/22/1995	962.64	32.20	930.44
	12/13/1995	962.64	32.35	930.29
	2/9/1996	962.64	32.25	930.39
	8/11/1997	962.64	29.35	933.29
	4/13/1999	962.64	32.30	930.34
	9/25/2000	962.64	33.05	929.59
	12/28/2000	962.64	33.53	929.11
	3/12/2001	962.64	33.99	928.65
	6/27/2001	962.64	34.23	928.41
	9/10/2001	962.64	34.45	928.19
	3/25/2002	962.64	35.42	927.22
	6/10/2002	962.64	35.78	926.86
	10/1/2002	962.64	36.33	926.31
	12/3/2002	962.64	36.41	926.23
	3/3/2003	962.64	35.16	927.48
	5/27/2003	962.64	33.10	929.54
	3/24/2004	962.64	29.40	933.24
	6/7/2004	962.64	29.51	933.13
	9/29/2004	962.64	30.27	932.37
	12/13/2004	962.64	30.55	932.09
	4/20/2005	962.64	30.50	932.14
	11/16/2005	962.64	31.02	931.62
	4/5/2006	962.64	31.00	931.64
	11/21/2006	962.64	32.09	930.55
	3/27/2007	962.64	31.75	930.89
	10/8/2007	962.64	32.12	930.52
	4/1/2008	962.64	33.36	929.28
	9/29/2008	962.64	33.40	929.24
	3/13/2009	962.64	34.05	928.59
	9/21/2009	962.64	33.04	929.60
	3/3/2010	962.64	32.31	930.33
	9/21/2010	962.64	30.43	932.21
	4/13/2011	962.64	32.04	930.60
	8/29/2011	962.64	32.37	930.27
	3/14/2012	962.64	32.98	929.66
	9/4/2012	962.64	33.45	929.19
	3/11/2013	962.64	34.27	928.37
	9/9/2013	962.64	33.08	929.56
	3/17/2014	962.64	33.48	929.16
	9/15/2014	962.64	32.09	930.55
	3/18/2015	962.64	35.36	927.28
	5/26/2015	962.64	36.65	925.99
	9/21/2015	962.64	37.73	924.91

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-20	1/13/2016	962.64	36.83	925.81
	3/14/2016	962.64	36.14	926.50
MW-21	7/17/1995	952.66	19.85	932.81
	7/25/1995	952.66	19.90	932.76
	8/22/1995	952.66	20.06	932.60
	12/13/1995	952.66	20.05	932.61
	2/9/1996	952.66	19.19	933.47
	8/14/1997	952.66	16.56	936.10
	4/13/1999	952.66	20.02	932.64
	3/12/2001	952.66	22.34	930.32
	6/27/2001	952.66	22.31	930.35
	9/10/2001	952.66	22.74	929.92
	3/25/2002	952.66	23.86	928.80
	6/10/2002	952.66	24.29	928.37
	10/1/2002	952.66	24.98	927.68
	12/3/2002	952.66	23.84	928.82
	3/3/2003	952.66	22.43	930.23
	5/27/2003	952.66	19.91	932.75
	9/25/2003	952.66	16.67	935.99
	12/15/2003	952.66	16.95	935.71
	3/24/2004	952.66	17.23	935.43
	6/7/2004	952.66	17.67	934.99
	12/13/2004	952.66	18.63	934.03
	11/16/2005	952.66	20.60	932.06
	11/1/2006	952.66	31.43	921.23
	10/8/2007	952.66	31.56	921.10
	9/29/2008	952.66	32.90	919.76
	9/21/2009	952.66	32.51	920.15
	9/21/2010	952.66	29.29	923.37
	8/29/2011	952.66	31.17	921.49
	9/4/2012	952.66	32.30	920.36
	9/9/2013	952.66	31.55	921.11
	3/17/2014	952.66	31.41	921.25
	9/15/2014	952.66	31.09	921.57
	3/18/2015	952.66	32.63	920.03
	5/26/2015	952.66	32.95	919.71
	9/21/2015	952.66	dry	n/a
	3/14/2016	952.66	31.84	920.82
MW-22	7/17/1995	964.84	38.78	926.06
	7/25/1995	964.84	38.86	925.98
	8/22/1995	964.84	39.02	925.82
	12/13/1995	964.84	39.04	925.80
	2/9/1996	964.84	38.67	926.17
	8/11/1997	964.84	35.74	929.10
	4/13/1999	964.84	38.91	925.93
	9/25/2000	964.84	40.05	924.79
	12/28/2000	964.84	40.65	924.19
	3/12/2001	964.84	41.14	923.70

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-22	6/27/2001	964.84	41.14	923.70
	9/10/2001	964.84	41.54	923.30
	3/25/2002	964.84	42.69	922.15
	6/10/2002	964.84	43.02	921.82
	10/1/2002	964.84	43.75	921.09
	12/3/2002	964.84	43.32	921.52
	3/3/2003	964.84	41.45	923.39
	5/27/2003	964.84	37.88	926.96
	12/15/2003	964.84	35.21	929.63
	3/24/2004	964.84	36.00	928.84
	6/7/2004	964.84	36.15	928.69
	11/16/2005	964.84	36.91	927.93
	4/5/2006	964.84	36.80	928.04
	11/21/2006	964.84	38.25	926.59
	3/27/2007	964.84	37.46	927.38
	10/8/2007	964.84	38.35	926.49
	4/1/2008	964.84	39.38	925.46
	9/29/2008	964.84	39.55	925.29
	3/13/2009	964.84	39.59	925.25
	9/21/2009	964.84	38.75	926.09
	3/3/2010	964.84	36.81	928.03
	9/21/2010	964.84	36.04	928.80
	4/14/2011	964.84	37.75	927.09
	8/29/2011	964.84	38.13	926.71
	3/14/2012	964.84	38.58	926.26
	9/4/2012	964.84	39.27	925.57
	3/11/2013	964.84	39.50	925.34
	4/30/2013	964.84	39.11	925.73
	9/9/2013	964.84	38.34	926.50
	3/17/2014	964.84	38.57	926.27
	9/15/2014	964.84	37.44	927.40
	3/18/2015	964.84	42.77	922.07
	5/26/2015	964.84	43.10	921.74
	9/21/2015	964.84	43.04	921.80
	1/13/2016	964.84	42.03	922.81
	3/14/2016	964.84	41.96	922.88
MW-23	7/17/1995	970.68	40.20	930.48
	7/25/1995	970.68	40.16	930.52
	8/22/1995	970.68	40.25	930.43
	12/13/1995	970.68	39.88	930.80
	2/9/1996	970.68	39.81	930.87
	8/14/1997	970.68	38.00	932.68
	4/13/1999	970.68	40.27	930.41
	9/25/2000	970.68	41.16	929.52
	6/27/2001	970.68	41.68	929.00
	9/10/2001	970.68	41.90	928.78
	12/10/2001	970.68	41.94	928.74
	3/25/2002	970.68	41.96	928.72

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-23	6/10/2002	970.68	41.98	928.70
	10/1/2002	970.68	42.14	928.54
	12/3/2002	970.68	41.32	929.36
	3/3/2003	970.68	40.46	930.22
	5/27/2003	970.68	38.46	932.22
	12/15/2003	970.68	37.48	933.20
	3/24/2004	970.68	37.74	932.94
	6/7/2004	970.68	37.90	932.78
	12/13/2004	970.68	38.49	932.19
	11/16/2005	970.68	40.18	930.50
	11/1/2006	970.68	40.30	930.38
	10/8/2007	970.68	40.32	930.36
	9/29/2008	970.68	41.70	928.98
	9/21/2009	970.68	41.29	929.39
MW-24	7/17/1995	966.09	41.42	924.67
	7/25/1995	966.09	41.22	924.87
	8/22/1995	966.09	41.34	924.75
	12/13/1995	966.09	41.30	924.79
	2/9/1996	966.09	41.10	924.99
	8/11/1997	966.09	38.39	927.70
	4/13/1999	966.09	41.12	924.97
	9/25/2000	966.09	41.65	924.44
MW-25	12/13/1995	956.48	33.43	923.05
	2/9/1996	956.48	33.12	923.36
	8/11/1997	956.48	29.95	926.53
	9/25/2000	956.48	34.39	922.09
	6/27/2001	956.48	33.73	922.75
	9/10/2001	956.48	33.89	922.59
	3/25/2002	956.48	34.55	921.93
	6/10/2002	956.48	35.36	921.12
	10/1/2002	956.48	35.73	920.75
	12/3/2002	956.48	34.52	921.96
	3/3/2003	956.48	33.65	922.83
	5/27/2003	956.48	31.09	925.39
	11/2/2006	956.48	34.57	921.91
	10/8/2007	956.48	34.41	922.07
	9/29/2008	956.48	35.87	920.61
	9/21/2009	956.48	35.47	921.01
MW-26	12/13/1995	939.30	21.07	918.23
	2/9/1996	939.30	19.48	919.82
	8/11/1997	939.30	18.62	920.68
	4/13/1999	939.30	21.30	918.00
	9/25/2000	939.30	22.89	916.41
	12/28/2000	939.30	23.56	915.74
	3/12/2001	939.30	23.86	915.44
	6/27/2001	939.30	23.50	915.80
	9/10/2001	939.30	24.22	915.08
	12/10/2001	939.30	24.95	914.35

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-26	3/25/2002	939.30	25.50	913.80
	6/10/2002	939.30	25.79	913.51
	10/1/2002	939.30	26.57	912.73
	12/3/2002	939.30	25.10	914.20
	3/3/2003	939.30	22.90	916.40
	5/27/2003	939.30	19.92	919.38
	9/25/2003	939.30	17.41	921.89
	12/15/2003	939.30	18.62	920.68
	3/24/2004	939.30	18.76	920.54
	6/7/2004	939.30	19.33	919.97
	12/13/2004	939.30	19.74	919.56
	11/16/2005	939.30	21.40	917.90
	11/2/2006	939.30	22.73	916.57
	10/8/2007	939.30	22.97	916.33
	9/29/2008	939.30	24.11	915.19
	9/21/2009	939.30	23.64	915.66
	9/21/2010	939.30	20.65	918.65
	8/29/2011	939.30	22.32	916.98
	9/4/2012	939.30	23.36	915.94
	9/9/2013	939.30	22.41	916.89
	3/17/2014	939.30	21.37	917.93
	9/15/2014	939.30	22.15	917.15
	3/18/2015	939.30	23.16	916.14
	5/26/2015	939.30	22.80	916.50
	9/21/2015	939.30	24.30	915.00
	1/13/2016	939.30	22.22	917.08
	3/14/2016	939.30	21.23	918.07
DMW-27	2/9/1996	967.26	32.48	934.78
	6/11/1996	967.26	31.93	935.33
	8/11/1997	967.26	29.50	937.76
	4/13/1999	967.26	32.34	934.92
	9/25/2000	967.26	33.11	934.15
	12/28/2000	967.26	33.59	933.67
	3/12/2001	967.26	34.13	933.13
	6/27/2001	967.26	34.40	932.86
	9/10/2001	967.26	34.61	932.65
	3/25/2002	967.26	35.71	931.55
	6/10/2002	967.26	36.07	931.19
	10/1/2002	967.26	36.60	930.66
	12/3/2002	967.26	36.62	930.64
	3/3/2003	967.26	35.39	931.87
	5/27/2003	967.26	33.88	933.38
	9/25/2003	967.26	31.00	936.26
	12/15/2003	967.26	29.94	937.32
	3/24/2004	967.26	29.84	937.42
	6/7/2004	967.26	29.87	937.39
	9/29/2004	967.26	30.47	936.79
	12/13/2004	967.26	30.63	936.63

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
DMW-27	4/21/2005	967.26	33.24	934.02
	11/16/2005	967.26	30.78	936.48
	4/5/2006	967.26	31.07	936.19
	11/3/2006	967.26	32.19	935.07
	3/27/2007	967.26	31.36	935.90
	4/1/2008	967.26	33.32	933.94
	9/29/2008	967.26	33.32	933.94
	3/13/2009	967.26	34.24	933.02
	9/21/2009	967.26	33.10	934.16
	3/2/2010	967.26	32.77	934.49
	9/21/2010	967.26	30.73	936.53
	4/13/2011	967.26	32.14	935.12
	8/29/2011	967.26	32.55	934.71
	3/14/2012	967.26	32.73	934.53
	9/4/2012	967.26	33.65	933.61
	3/11/2013	967.26	34.34	932.92
	4/30/2013	967.26	34.22	933.04
	9/9/2013	967.26	33.26	934.00
	3/17/2014	967.26	33.59	933.67
	9/15/2014	965.91	31.12	934.79
	3/18/2015	965.91	45.53	920.38
	5/26/2015	965.91	41.09	924.82
	9/21/2015	965.91	44.81	921.10
	1/13/2016	965.91	35.24	930.67
	3/14/2016	965.91	44.27	921.64
DMW-28	12/13/1995	989.60	70.58	919.02
	2/9/1996	989.60	45.35	944.25
	8/11/1997	989.60	48.00	941.60
	4/13/1999	989.60	45.36	944.24
	9/25/2000	989.60	45.98	943.62
	6/27/2001	989.60	47.11	942.49
	9/10/2001	989.60	47.27	942.33
	3/25/2002	989.60	48.64	940.96
	6/10/2002	989.60	48.94	940.66
	10/1/2002	989.60	49.39	940.21
	12/3/2002	989.60	49.01	940.59
	3/3/2003	989.60	47.11	942.49
	5/27/2003	989.60	44.86	944.74
	9/25/2003	989.60	42.41	947.19
	12/15/2003	989.60	42.31	947.29
	3/24/2004	989.60	42.23	947.37
	6/7/2004	989.60	43.53	946.07
	12/13/2004	989.60	43.90	945.70
	11/16/2005	989.60	44.36	945.24
	11/3/2006	989.60	45.14	944.46
	10/8/2007	989.60	44.84	944.76
	9/29/2008	989.60	46.42	943.18
	9/21/2009	989.60	45.93	943.67

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
DMW-28	9/21/2010	989.60	43.65	945.95
	8/29/2011	989.60	45.53	944.07
	9/9/2013	989.60	45.54	944.06
	3/17/2014	989.60	45.96	943.64
	9/15/2014	989.60	44.55	945.05
	3/18/2015	989.60	46.69	942.91
	5/26/2015	989.60	46.92	942.68
	9/21/2015	989.60	47.08	942.52
	1/13/2016	989.60	46.59	943.01
	3/14/2016	989.60	45.25	944.35
DMW-29	12/13/1995	973.86	171.50	802.36
	2/9/1996	973.86	92.38	881.48
	8/11/1997	973.86	36.20	937.66
	4/13/1999	973.86	40.20	933.66
	9/25/2000	973.86	40.98	932.88
	6/27/2001	973.86	42.26	931.60
	9/10/2001	973.86	42.39	931.47
	3/25/2002	973.86	43.19	930.67
	6/10/2002	973.86	43.52	930.34
	10/1/2002	973.86	44.02	929.84
	12/3/2002	973.86	44.83	929.03
	3/3/2003	973.86	41.83	932.03
	5/27/2003	973.86	33.34	940.52
	9/25/2003	973.86	39.43	934.43
	12/15/2003	973.86	38.40	935.46
	3/24/2004	973.86	34.72	939.14
	6/7/2004	973.86	36.63	937.23
	12/13/2004	973.86	38.45	935.41
	11/16/2005	973.86	38.44	935.42
	11/2/2006	973.86	39.49	934.37
	10/8/2007	973.86	37.89	935.97
	9/29/2008	973.86	41.43	932.43
	9/21/2009	973.86	41.23	932.63
	9/21/2010	973.86	38.98	934.88
	8/29/2011	973.86	40.25	933.61
	9/4/2012	973.86	41.27	932.59
	9/9/2013	973.86	41.62	932.24
	3/17/2014	973.86	42.13	931.73
	9/15/2014	973.86	40.54	933.32
	3/18/2015	973.86	44.92	928.94
	5/26/2015	973.86	47.38	926.48
	9/21/2015	973.86	49.29	924.57
	1/13/2016	973.86	47.38	926.48
	3/14/2016	973.86	46.83	927.03
MW-30	2/9/1996	919.42	14.35	905.07
	8/11/1997	919.42	14.92	904.50
	4/13/1999	919.42	15.19	904.23
	10/17/2000	919.42	17.19	902.23

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-30	12/28/2000	919.42	17.53	901.89
	3/12/2001	919.42	16.96	902.46
	6/27/2001	919.42	17.01	902.41
	9/10/2001	919.42	18.15	901.27
	12/10/2001	919.42	18.84	900.58
	3/25/2002	919.42	18.20	901.22
	6/10/2002	919.42	18.98	900.44
	10/1/2002	919.42	19.55	899.87
	12/3/2002	919.42	17.58	901.84
	3/3/2003	919.42	15.54	903.88
	5/27/2003	919.42	13.91	905.51
	9/25/2003	919.42	13.63	905.79
	12/15/2003	919.42	14.44	904.98
	3/24/2004	919.42	14.64	904.78
	6/7/2004	919.42	15.19	904.23
	12/13/2004	919.42	14.95	904.47
	11/16/2005	919.42	16.34	903.08
	10/31/2006	919.42	16.89	902.53
	10/8/2007	919.42	17.70	901.72
	9/29/2008	919.42	17.74	901.68
	9/21/2009	919.42	17.68	901.74
	9/21/2010	919.42	16.22	903.20
	8/29/2011	919.42	16.95	902.47
DMW-31	4/13/2001	968.60	38.43	930.17
	9/25/2000	968.60	24.62	943.98
	6/27/2001	968.60	26.34	942.26
	9/10/2001	968.60	16.21	952.39
	3/25/2002	968.60	28.19	940.41
	6/10/2002	968.60	31.35	937.25
	10/1/2002	968.60	30.74	937.86
	12/3/2002	968.60	29.17	939.43
	3/3/2003	968.60	1.36	967.24
	5/27/2003	968.60	7.11	961.49
	12/15/2003	968.60	16.07	952.53
	3/24/2004	968.60	1.35	967.25
	6/7/2004	968.60	8.10	960.50
	12/13/2004	968.60	0.32	968.28
	11/16/2005	968.60	24.94	943.66
	11/1/2006	968.60	30.45	938.15
	10/8/2007	968.60	32.68	935.92
	9/29/2008	968.60	35.07	933.53
	9/21/2009	968.60	34.90	933.70
DMW-32	4/13/1999	964.26	23.48	940.78
	9/25/2000	964.26	25.61	938.65
	6/27/2001	964.26	26.63	937.63
	9/10/2001	964.26	27.23	937.03
	3/25/2002	964.26	28.34	935.92
	6/10/2002	964.26	28.71	935.55

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
DMW-32	10/1/2002	964.26	29.31	934.95
	12/3/2002	964.26	28.13	936.13
	3/3/2003	964.26	26.17	938.09
	5/27/2003	964.26	23.82	940.44
	3/24/2004	964.26	21.96	942.30
	6/7/2004	964.26	22.33	941.93
	12/13/2004	964.26	22.62	941.64
	11/16/2005	964.26	24.80	939.46
	11/2/2006	964.26	22.40	941.86
	10/8/2007	964.26	23.85	940.41
	9/29/2008	964.26	25.60	938.66
	9/21/2009	964.26	25.37	938.89
	9/21/2010	964.26	23.91	940.35
	8/29/2011	964.26	25.05	939.21
	9/9/2013	964.26	25.93	938.33
	3/17/2014	964.26	24.68	939.58
	9/15/2014	964.26	24.97	939.29
	3/18/2015	964.26	25.99	938.27
	5/26/2015	964.26	25.92	938.34
	9/21/2015	964.26	27.17	937.09
	1/13/2016	964.26	26.20	938.06
	3/14/2016	964.26	24.66	939.60
DMW-33	4/13/1999	939.17	22.57	916.60
	9/25/2000	939.17	22.63	916.54
	12/28/2000	939.17	23.42	915.75
	3/12/2001	939.17	24.12	915.05
	6/27/2001	939.17	25.43	913.74
	9/10/2001	939.17	24.35	914.82
	12/10/2001	939.17	24.75	914.42
	3/25/2002	939.17	25.30	913.87
	6/10/2002	939.17	25.53	913.64
	10/1/2002	939.17	26.36	912.81
	12/3/2002	939.17	26.68	912.49
	3/3/2003	939.17	24.33	914.84
	5/27/2003	939.17	21.05	918.12
	9/25/2003	939.17	18.60	920.57
	12/15/2003	939.17	18.60	920.57
	3/24/2004	939.17	19.92	919.25
	6/7/2004	939.17	19.30	919.87
	12/13/2004	939.17	20.57	918.60
	11/16/2005	939.17	20.55	918.62
	11/2/2006	939.17	22.49	916.68
	10/8/2007	939.17	22.03	917.14
	9/29/2008	939.17	23.56	915.61
	9/21/2009	939.17	23.18	915.99
	9/21/2010	939.17	20.03	919.14
	8/29/2011	939.17	21.97	917.20
	9/4/2012	939.17	23.12	916.05

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
DMW-33	9/9/2013	939.17	22.43	916.74
	3/17/2014	939.17	22.54	916.63
	9/15/2014	939.17	21.70	917.47
	3/18/2015	939.17	23.51	915.66
	5/26/2015	939.17	23.49	915.68
	9/21/2015	939.17	24.05	915.12
	1/13/2016	939.17	24.34	914.83
	3/14/2016	939.17	21.92	917.25
DMW-34	3/4/1999	919.97	18.72	901.25
	4/13/1999	919.97	18.59	901.38
	10/17/2000	919.97	20.22	899.75
	12/28/2000	919.97	20.73	899.24
	3/12/2001	919.97	20.09	899.88
	6/27/2001	919.97	20.17	899.80
	9/10/2001	919.97	21.33	898.64
	12/10/2001	919.97	21.94	898.03
	3/25/2002	919.97	21.19	898.78
	6/10/2002	919.97	22.09	897.88
	10/1/2002	919.97	22.66	897.31
	12/3/2002	919.97	20.55	899.42
	3/3/2003	919.97	18.21	901.76
	5/27/2003	919.97	16.50	903.47
	9/25/2003	919.97	16.45	903.52
	12/15/2003	919.97	17.47	902.50
	3/24/2004	919.97	17.85	902.12
	6/7/2004	919.97	18.43	901.54
	12/13/2004	919.97	18.29	901.68
	11/16/2005	919.97	17.49	902.48
	10/31/2006	919.97	20.09	899.88
	10/8/2007	919.97	20.93	899.04
	9/29/2008	919.97	20.97	899.00
	9/21/2009	919.97	20.86	899.11
	9/21/2010	919.97	19.55	900.42
	8/29/2011	919.97	20.25	899.72
MW-35	8/2/2001	957.22	36.44	920.78
	9/10/2001	957.22	36.61	920.61
	12/10/2001	957.22	37.35	919.87
	3/25/2002	957.22	38.19	919.03
	6/10/2002	957.22	37.72	919.50
	10/1/2002	957.22	38.67	918.55
	12/3/2002	957.22	37.39	919.83
	3/3/2003	957.22	35.94	921.28
	5/27/2003	957.22	33.16	924.06
	9/25/2003	957.22	31.04	926.18
	12/15/2003	957.22	31.73	925.49
	3/24/2004	957.22	31.84	925.38
	6/7/2004	957.22	32.05	925.17
	9/29/2004	957.22	33.07	924.15

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-35	12/13/2004	957.22	33.02	924.20
	4/21/2005	957.22	32.62	924.60
	11/16/2005	957.22	33.81	923.41
	4/5/2006	957.22	34.00	923.22
	11/2/2006	957.22	34.32	922.90
	3/27/2007	957.22	33.36	923.86
	10/8/2007	957.22	35.00	922.22
	4/1/2008	957.22	35.29	921.93
	9/29/2008	957.22	35.88	921.34
	3/13/2009	957.22	35.11	922.11
	9/21/2009	957.22	35.70	921.52
	3/3/2010	957.22	33.37	923.85
	9/21/2010	957.22	33.34	923.88
	4/14/2011	957.22	33.77	923.45
	8/29/2011	957.22	34.93	922.29
	3/14/2012	957.22	35.41	921.81
	9/4/2012	957.22	37.85	919.37
	3/11/2013	957.22	35.15	922.07
	4/30/2013	957.22	34.65	922.57
	9/9/2013	957.22	34.76	922.46
	3/17/2014	957.22	34.06	923.16
	9/15/2014	957.22	34.25	922.97
	3/18/2015	957.22	41.98	915.24
	5/26/2015	957.22	42.75	914.47
	9/21/2015	957.22	44.02	913.20
	1/13/2016	957.22	37.45	919.77
	3/14/2016	957.22	40.98	916.24
MW-36	11/16/2005	952.20	18.19	934.01
	11/21/2006	952.20	18.05	934.15
	10/8/2007	952.20	18.79	933.41
	9/29/2008	952.20	20.28	931.92
	9/21/2009	952.20	20.30	931.90
	9/21/2010	952.20	18.26	933.94
	8/29/2011	952.20	19.46	932.74
	9/9/2013	952.20	19.47	932.73
	3/17/2014	952.20	18.49	933.71
	9/15/2014	952.20	19.34	932.86
	3/18/2015	952.20	20.35	931.85
	5/26/2015	952.20	21.02	931.18
	9/21/2015	952.20	22.61	929.59
	1/13/2016	952.20	20.36	931.84
	3/14/2016	952.20	19.15	933.05
DMW-37	10/8/2007	966.91	31.24	935.67
	4/1/2008	966.91	32.47	934.44
	9/29/2008	966.91	32.50	934.41
	9/21/2009	966.91	32.39	934.52
	9/21/2010	966.91	30.97	935.94
	4/13/2011	966.91	31.23	935.68

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
DMW-37	8/29/2011	966.91	31.74	935.17
	9/4/2012	966.91	32.57	934.34
	4/30/2013	966.91	33.08	933.83
	9/9/2013	966.91	32.43	934.48
	3/17/2014	966.91	32.87	934.04
	9/15/2014	966.91	31.44	935.47
	3/18/2015	966.91	34.86	932.05
	5/26/2015	966.91	35.85	931.06
	9/21/2015	966.91	37.66	929.25
	1/13/2016	966.91	35.37	931.54
	3/14/2016	966.91	35.66	931.25
DMW-38	1/8/2013	957.55	35.92	921.63
	3/11/2013	957.55	34.76	922.79
	4/30/2013	957.55	34.29	923.26
	9/9/2013	957.55	34.45	923.10
	3/17/2014	957.55	34.51	923.04
	9/15/2014	957.55	34.19	923.36
	3/18/2015	957.55	45.69	911.86
	5/26/2015	957.55	45.71	911.84
	9/21/2015	957.55	47.05	910.50
	1/13/2016	957.55	36.83	920.72
	3/14/2016	957.55	43.76	913.79
DMW-39	1/8/2013	964.59	37.41	927.18
	3/11/2013	964.59	36.94	927.65
	4/30/2013	964.59	36.45	928.14
	9/9/2013	964.59	35.93	928.66
	3/17/2014	964.59	36.17	928.42
	9/15/2014	964.59	35.03	929.56
	3/18/2015	964.59	40.79	923.80
	5/26/2015	964.59	41.91	922.68
	9/21/2015	964.59	42.65	921.94
	1/13/2016	964.59	39.24	925.35
	3/14/2016	964.59	38.32	926.27
MW-40	4/13/2015	937.91	14.46	923.45
	5/26/2015	937.91	14.88	923.03
	9/21/2015	937.91	16.62	921.29
	1/13/2016	937.91	13.59	924.32
	3/14/2016	937.91	12.80	925.11
MW-41	4/13/2015	941.90	33.86	908.04
	5/26/2015	941.90	33.95	907.95
	9/21/2015	941.90	35.01	906.89
	1/13/2016	941.90	33.80	908.10
	3/14/2016	941.90	32.99	908.91
MW-42	4/13/2015	925.10	11.10	914.00
	5/26/2015	925.10	11.56	913.54
	8/12/2015	925.10	11.96	913.14
	9/21/2015	925.10	12.84	912.26

MONITORING-WELL GAUGING DATA (continued)

Kaba Ilco Corp.
2941 Indiana Ave.
Winston-Salem, North Carolina

Well	Date	TOC Elevation (1)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (1)
MW-42	1/13/2016	925.10	10.43	914.67
	3/14/2016	925.10	10.39	914.71
MW-43	4/13/2015	918.85	18.51	900.34
	5/26/2015	918.85	18.46	900.39
	8/12/2015	918.85	19.09	899.76
	9/21/2015	918.85	19.68	899.17
	1/13/2016	918.85	18.05	900.80
	3/14/2016	918.85	17.73	901.12
DMW-44	4/30/2015	924.70	22.10	902.60
	5/26/2015	924.70	22.27	902.43
	9/21/2015	924.70	23.67	901.03
	10/8/2015	924.70	23.31	901.39
	1/13/2016	924.70	21.85	902.85
	3/14/2016	924.70	21.47	903.23
MW-45	8/12/2015	930.40	26.70	903.70
	9/21/2015	930.40	27.51	902.89
	1/13/2016	930.40	25.51	904.89
	3/14/2016	930.40	24.94	905.46
MW-46	8/12/2015	927.10	28.50	898.60
	9/21/2015	927.10	29.00	898.10
	1/13/2016	927.10	27.79	899.31
	3/14/2016	927.10	27.35	899.75
MW-47	8/12/2015	889.90	11.18	878.72
	9/21/2015	889.90	10.95	878.95
	1/13/2016	889.90	9.81	880.09
	3/14/2016	889.90	9.75	880.15
DMW-48	10/8/2015	900.03	17.16	882.87
	1/13/2016	900.03	15.92	884.11
	3/14/2016	900.03	15.39	884.64
MW-49	4/19/2016	948.19	41.09	907.10
MW-50	4/19/2016	953.63	39.25	914.38
MW-51	4/19/2016	904.00	15.89	888.11
MW-52	4/19/2016	883.57	7.76	875.81
MW-53	4/19/2016	878.06	8.01	870.05
DMW-54	4/19/2016	883.37	7.53	875.84
DMW-55	4/19/2016	877.61	12.60	865.01

(1) Measured in feet relative to site datum.
TOC = Top of well casing.
NA = Not applicable.
NS = Not surveyed.

APPENDIX B

HOME ACCESS REQUEST PACKAGES

2403 GLENN AVENUE

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 1660 0000 7917 9472

February 19, 2016

Lillie Mae Walters
2403 Glenn Ave.
Winston-Salem, NC 27105-5213

RE: 2403 Glenn Ave.
Winston-Salem, NC 27105

Dear Property Owner:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in the neighborhood of the property listed above. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. Based on Forsyth County records, it appears that you own the property listed above.

Based on the results of recent groundwater and soil-vapor analysis, your property has been selected, along with other nearby residential properties, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If you cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the tenant of your residential property (if any). Once approval to proceed is received from both you and your tenant, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2403 Glenn Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

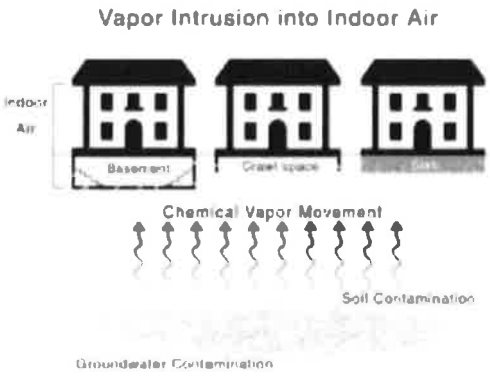
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

English Customer Service USPS Mobile Register / Sign In

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70151660000079179472

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739760

DATE & TIME	STATUS OF ITEM	LOCATION
March 3, 2016 , 9:44 am	Delivered	**WINSTON SALEM, NC 27105**
Your item was delivered at 7:04 AM on March 2, 2016 in CARY, NC 27511.		
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 8:18 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 1, 2016 , 8:53 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 7:57 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 6:58 pm	Departed Post Office	CARY, NC 27511
February 29, 2016 , 3:51 pm	Acceptance	CARY, NC 27511

Available Actions

7015 1660 0000 7917 9472

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.
WINSTON SALEM, NC 27105
OFFICIAL USE

Certified Mail Fee $3.45
$
Extra Services & Fees (check box, add fee as appropriate) $2.80
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.71
$
Total Postage and Fees $6.96
$

0504
03

USPS 27511-9998 CARY, NC
Postmark Here
FEB 29 16
02/29/2016

Sent To Lillie Mae Walters
Street and Apt. No., or PO Box No. 2403 Glenn Ave.
City, State, ZIP+4® Winston-Salem, NC 27105

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Track Another Package

Tracking (or receipt) number

Track It

Manage Incoming Packages

Track all your packages from a dashboard.
No tracking numbers necessary.

Sign up for My USPS ›

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Lillie Mae Walters
2403 Glenn Ave.
Winston-Salem, NC 27105-5213

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Earnest F Walters

☐ Agent
☐ Addressee

B. Received by *(Printed Name)*: E. Walters

C. Date of Delivery: 3-3-16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery

☐ Priority Mail Express®
☐ Registered Mail™

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2403 Glenn Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: Lillie Mae Walters

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: (336) 722-4865 OR (336) 414-7005

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☑ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☑ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☑ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☑ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☑ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

2326 IVY AVENUE

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 1660 0000 7917 9489

February 19, 2016

Zanthia Kimbraugh
2326 Ivy Ave.
Winston-Salem, NC 27105

RE: 2326 Ivy Ave.
Winston-Salem, NC 27105

Dear Property Owner:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in the neighborhood of the property listed above. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. Based on Forsyth County records, it appears that you own the property listed above.

Based on the results of recent groundwater and soil-vapor analysis, your property has been selected, along with other nearby residential properties, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If you cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the tenant of your residential property (if any). Once approval to proceed is received from both you and your tenant, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2326 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire:_____

Address, if different than above:_____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify)_____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number:_____

E-mail address:_____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

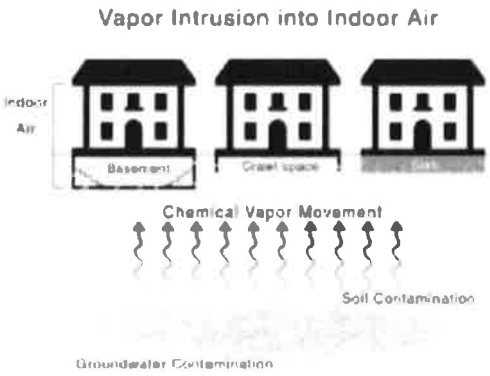
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70151660000079179489

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739753

DATE & TIME	STATUS OF ITEM	LOCATION
March 22, 2016 , 10:45 am	Delivered Back to Kaba	**WINSTON SALEM, NC 27105**
Your item was delivered at 10:45 am on March 22, 2016 in WINSTON SALEM, NC 27105.		
March 22, 2016 , 9:20 am	Out for Delivery	WINSTON SALEM, NC 27106
March 22, 2016 , 8:42 am	Sorting Complete	WINSTON SALEM, NC 27106
March 22, 2016 , 6:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 21, 2016 , 8:20 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 18, 2016 , 12:02 pm	Unclaimed/Max Hold Time Expired	WINSTON SALEM, NC 27105
March 2, 2016 , 12:25 pm	Notice Left (No Authorized Recipient Available)	WINSTON SALEM, NC 27105
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 7:22 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 8:07 pm	Departed USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 5:27 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 3:52 pm	Acceptance	CARY, NC 27511

Available Actions

7015 1660 0000 7917 9489

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.

WINSTON SALEM, NC 27105

OFFICIAL USE

Certified Mail Fee $3.45 0504 03
Extra Services & Fees (check box, add fee as appropriate)
- Return Receipt (hardcopy) $ $0.00
- Return Receipt (electronic) $ $0.00
- Certified Mail Restricted Delivery $ $0.00
- Adult Signature Required $ $0.00
- Adult Signature Restricted Delivery $

Postage $0.71
Total Postage and Fees $6.96

Postmark Here
CARY, NC 27511 FEB 29 2016 USPS

Sent To Zanthia Kimbrough
Street and Apt. No., or PO Box No. 2326 Ivy Ave.
City, State, ZIP+4 Winston-Salem, NC 27105

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

2400 IVY AVENUE

BEYOND SECURITY KABA

CERTIFIED MAIL: 7007 0220 0004 7797 0787

February 19, 2016

SE Snyder Group 4 LLC
P.O. Box 11966
Winston-Salem, NC 27116-1966

RE: 2400 Ivy Ave.
Winston-Salem, NC 27105

Dear Property Owner:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in the neighborhood of the property listed above. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. Based on Forsyth County records, it appears that you own the property listed above.

Based on the results of recent groundwater and soil-vapor analysis, your property has been selected, along with other nearby residential properties, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If you cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the tenant of your residential property (if any). Once approval to proceed is received from both you and your tenant, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2400 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

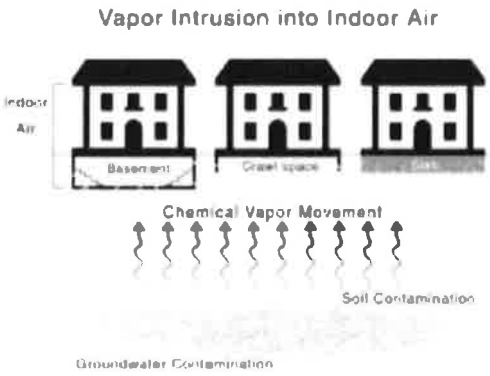
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

English Customer Service USPS Mobile Register / Sign In

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: **70070220000477970787**

Updated Delivery Day: **Wednesday, April 13, 2016**

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739746

DATE & TIME	STATUS OF ITEM	LOCATION
April 13, 2016 , 12:37 pm	Delivered BACK TO KABA	**WINSTON SALEM, NC 27105**
Your item was delivered at 12:37 pm on April 13, 2016 in WINSTON SALEM, NC 27105		
April 13, 2016 , 8:25 am	Out for Delivery	WINSTON SALEM, NC 27106
April 13, 2016 , 8:15 am	Sorting Complete	WINSTON SALEM, NC 27106
April 13, 2016 , 6:15 am	Arrived at Unit	WINSTON SALEM, NC 27106
April 12, 2016 , 7:23 pm	Departed USPS Facility	GREENSBORO, NC 27498
April 8, 2016 , 9:40 am	Unclaimed/Max Hold Time Expired	WINSTON SALEM, NC 27105
March 2, 2016 , 8:43 am	Available for Pickup	WINSTON SALEM, NC 27116
March 2, 2016 , 8:42 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 7:15 am	Arrived at USPS Facility	GREENSBORO, NC 27498
March 1, 2016 , 2:22 am	Departed USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 11:46 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 6:58 pm	Departed Post Office	CARY, NC 27511
February 29, 2016 , 3:53 pm	Acceptance	CARY, NC 27511

7007 0220 0004 7797 0787

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®
WINSTON SALEM, NC 27116
OFFICIAL USE

Postage	$3.45	0504 03
Certified Fee	$2.80	
Return Receipt Fee (Endorsement Required)	$0.00	
Restricted Delivery Fee (Endorsement Required)	$0.00	
Total Postage & Fees	$6.96	

Postmark Here
CARY, NC FEB 29 2016 USPS 27511-9998
02/29/2016

Sent To: SE Snyder Group 4 LLC
Street, Apt. No., or PO Box No.: P.O. Box 11966
City, State, ZIP+4: Winston-Salem, NC 27116-1966

PS Form 3800, August 2006 See Reverse for Instructions

Owner 2400 Ivy

Track Another Package

Tracking (or receipt) number

Manage Incoming Packages

Track all your packages from a dashboard.
No tracking numbers necessary.

BEYOND SECURITY KABA

CERTIFIED MAIL: 7007 0220 0004 7797 0800

February 19, 2016

Current Resident
2400 Ivy Ave.
Winston-Salem, NC 27105

RE: 2400 Ivy Ave.
Winston-Salem, NC 27105

Dear Resident:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in your neighborhood. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. This letter is being sent to you as the resident of the property referenced above.

Based on the results of recent groundwater and soil-vapor analysis, your residence has been selected, along with other nearby residences, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If the owner of your house cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the owner of your residential property. Once approval to proceed is received from both you and the owner, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2400 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

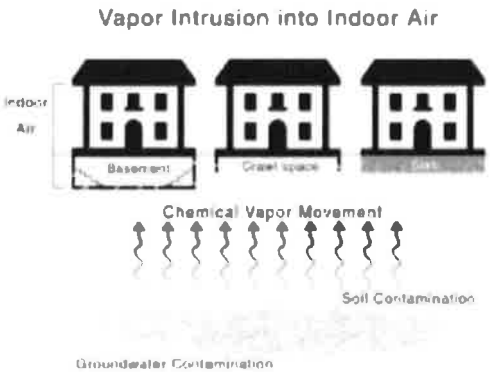
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70070220000477970800

On Time
Expected Delivery Day: Wednesday, March 2, 2016

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739739

DATE & TIME	STATUS OF ITEM	LOCATION
March 2, 2016 , 12:22 pm	Delivered	**WINSTON SALEM, NC 27105**
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 8:18 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 1, 2016 , 8:55 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 5:53 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 3:53 pm	Acceptance	CARY, NC 27511

Available Actions

7007 0220 0004 7797 0800

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®
WINSTON SALEM, NC 27105
OFFICIAL USE

Postage	$3.45
Certified Fee	$2.80
Return Receipt Fee (Endorsement Required)	$0.00
Restricted Delivery Fee (Endorsement Required)	$0.00
Total Postage & Fees	$6.96

CARY, NC 27511 USPS FEB 29 2016 0504 03 Postmark Here

Sent To: Current Resident
Street, Apt. No.; or PO Box No.: 2400 Ivy Ave.
City, State, ZIP+4: Winston-Salem, NC 27105

PS Form 3800, August 2006 See Reverse for Instructio

Track Another Package

Tracking (or receipt) number

Track It

Manage Incoming Packages

Track all your packages from a dashboard.
No tracking numbers necessary.

Sign up for My USPS ›

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Current Resident
2400 Ivy Ave.
Winston-Salem, NC 27105

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Charlie McDell
☐ Agent
☐ Addressee

B. Received by (Printed Name) Charlie McDell
C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

2404 IVY AVENUE

BEYOND SECURITY KABA

CERTIFIED MAIL: 7007 0220 0004 7797 0794

February 19, 2016

SE Snyder Group 4 LLC
P.O. Box 11966
Winston-Salem, NC 27116-1966

RE: 2404 Ivy Ave.
Winston-Salem, NC 27105

Dear Property Owner:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in the neighborhood of the property listed above. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. Based on Forsyth County records, it appears that you own the property listed above.

Based on the results of recent groundwater and soil-vapor analysis, your property has been selected, along with other nearby residential properties, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If you cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the tenant of your residential property (if any). Once approval to proceed is received from both you and your tenant, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2404 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

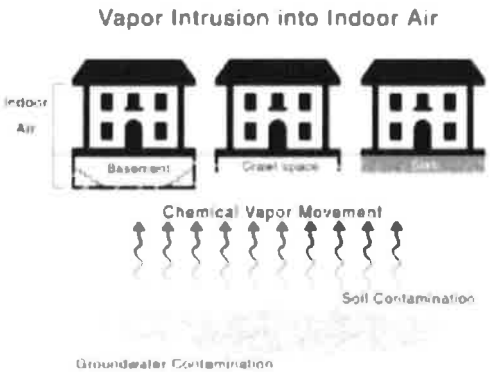
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

English Customer Service USPS Mobile Register / Sign In

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: **70070220000477970794**

Updated Delivery Day: **Wednesday, April 13, 2016**

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739722

DATE & TIME	STATUS OF ITEM	LOCATION
April 13, 2016 , 12:37 pm	Delivered BACK TO KAFA	**WINSTON SALEM, NC 27105**
Your item was delivered at 12:37 pm on April 13, 2016 in WINSTON SALEM, NC 27105		
April 13, 2016 , 8:25 am	Out for Delivery	WINSTON SALEM, NC 27106
April 13, 2016 , 8:15 am	Sorting Complete	WINSTON SALEM, NC 27106
April 13, 2016 , 6:15 am	Arrived at Unit	WINSTON SALEM, NC 27106
April 12, 2016 , 7:23 pm	Departed USPS Facility	GREENSBORO, NC 27498
April 8, 2016 , 9:40 am	Unclaimed/Max Hold Time Expired	WINSTON SALEM, NC 27105
March 2, 2016 , 8:43 am	Available for Pickup	WINSTON SALEM, NC 27116
March 2, 2016 , 8:42 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 9:42 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 5:27 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 3:54 pm	Acceptance	CARY, NC 27511

7007 0220 0004 7797 0794

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®
WINSTON SALEM, NC 27116
OFFICIAL USE

Postage	$3.45
Certified Fee	$2.80
Return Receipt Fee (Endorsement Required)	$0.00
Restricted Delivery Fee (Endorsement Required)	$0.00
Total Postage & Fees	$6.96

Postmark Here
USPS CARY, NC 27511-9998 FEB 29 2016 0504 03 02/29/2016

Sent To SE Snyder Group 4 LLC
Street, Apt. No.; or PO Box No. P.O. Box 11966
City, State, ZIP+4 Winston-Salem, NC 27116-1966

PS Form 3800, August 2006 See Reverse for Instructions

Owner 2404 Ivy

Track Another Package

Tracking (or receipt) number

Track It

Manage Incoming Packages

Track all your packages from a dashboard
No tracking numbers necessary

Sign up for My USPS ›

BEYOND SECURITY KABA

CERTIFIED MAIL: 7007 1490 0002 8274 9350

February 19, 2016

Current Resident
2404 Ivy Ave.
Winston-Salem, NC 27105

RE: 2404 Ivy Ave.
Winston-Salem, NC 27105

Dear Resident:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in your neighborhood. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. This letter is being sent to you as the resident of the property referenced above.

Based on the results of recent groundwater and soil-vapor analysis, your residence has been selected, along with other nearby residences, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If the owner of your house cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the owner of your residential property. Once approval to proceed is received from both you and the owner, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2404 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

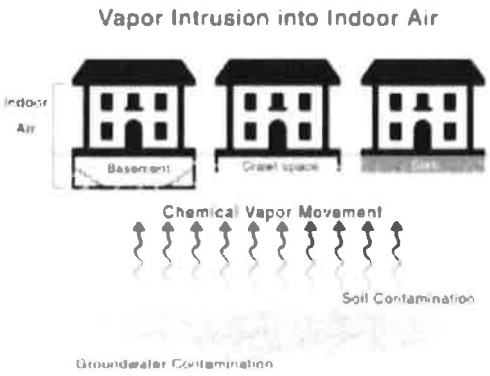
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70071490000282749350

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739715

DATE & TIME	STATUS OF ITEM	LOCATION
March 22, 2016 , 10:45 am	Delivered Back to Kaba	WINSTON SALEM, NC 27105
Your item was delivered at 10:45 am on March 22, 2016 in WINSTON SALEM, NC 27105.		
March 22, 2016 , 9:20 am	Out for Delivery	WINSTON SALEM, NC 27106
March 22, 2016 , 8:42 am	Sorting Complete	WINSTON SALEM, NC 27106
March 22, 2016 , 6:15 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 21, 2016 , 8:20 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 18, 2016 , 12:02 pm	Unclaimed/Max Hold Time Expired	WINSTON SALEM, NC 27105
March 2, 2016 , 12:21 pm	Notice Left (No Authorized Recipient Available)	WINSTON SALEM, NC 27105
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 9:42 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 5:28 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 3:50 pm	Acceptance	CARY, NC 27511

Available Actions

7007 1490 0002 8274 9350

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®
WINSTON SALEM, NC 27105
OFFICIAL USE

Postage	$3.45
Certified Fee	$2.80
Return Receipt Fee (Endorsement Required)	$0.00
Restricted Delivery Fee (Endorsement Required)	$0.00
Total Postage & Fees	$6.76

Postmark Here
FEB 29 2016
CARY, NC
27511-9998
0504
03
02/29/2016

Sent To: Current Resident
Street, Apt. No.; or PO Box No.: 2404 Ivy Ave.
City, State, ZIP+4: Winston-Salem, NC 27105

PS Form 3800, August 2006 See Reverse for Instructions

Track Another Package

Manage Incoming Packages

2408 IVY AVENUE

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 0640 0003 5678 7856

February 19, 2016

Donald L. Evans
1305 Millbrook Rd. East, Suite C31
Raleigh, NC 27609-4479

RE: 2408 Ivy Ave.
Winston-Salem, NC 27105

Dear Property Owner:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in the neighborhood of the property listed above. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. Based on Forsyth County records, it appears that you own the property listed above.

Based on the results of recent groundwater and soil-vapor analysis, your property has been selected, along with other nearby residential properties, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If you cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the tenant of your residential property (if any). Once approval to proceed is received from both you and your tenant, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2408 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

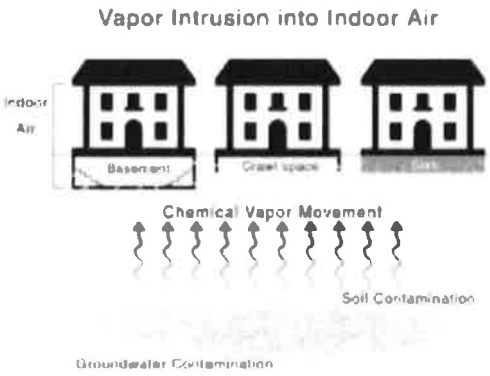
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

English Customer Service USPS Mobile Register / Sign In

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70150640000356787856

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940101855234007626

DATE & TIME	STATUS OF ITEM	LOCATION
March 31, 2016 , 10:30 am	Delivered Back to Kaba	WINSTON SALEM, NC 27105

Your item was delivered at 10:30 am on March 31, 2016 in WINSTON SALEM, NC 27105

March 30, 2016 , 8:58 am	Out for Delivery	WINSTON SALEM, NC 27106
March 30, 2016 , 8:48 am	Sorting Complete	WINSTON SALEM, NC 27106
March 30, 2016 , 7:19 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 29, 2016 , 7:50 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 29, 2016 , 8:10 am	Arrived at USPS Facility	GREENSBORO, NC 27498
March 28, 2016 , 6:28 am	Departed USPS Facility	RALEIGH, NC 27676
March 24, 2016 , 9:27 am	Unclaimed/Max Hold Time Expired	RALEIGH, NC 27604
March 4, 2016 , 11:27 am	Notice Left (No Authorized Recipient Available)	RALEIGH, NC 27609
March 3, 2016 , 9:18 am	Out for Delivery	RALEIGH, NC 27609
March 3, 2016 , 9:08 am	Sorting Complete	RALEIGH, NC 27609
March 3, 2016 , 9:03 am	Arrived at Unit	RALEIGH, NC 27604
March 1, 2016 , 11:50 pm	Arrived at USPS Facility	RALEIGH, NC 27676
March 1, 2016 , 6:44 pm	Departed Post Office	CARY, NC 27511
March 1, 2016 , 4:28 pm	Acceptance	CARY, NC 27511

Available Actions

Text Updates

7015 0640 0003 5678 7856

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at *www.usps.com*®.
RALEIGH, NC 27609
OFFICIAL USE
Certified Mail Fee $3.45
$ $2.80
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.71
$
Total Postage and Fees $6.96
$
0504 09
Postmark Here
MAR 1 2016
03/01/2016
Sent To Donald L. Evans
Street and Apt. No., or PO Box No. 1305 Millbrook Rd. E. Ste C31
City, State, ZIP+4® Raleigh, NC 27609-4479
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructio

Owner 2408 Ivy

Track Another Package

Manage Incoming Packages

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 0640 0003 5678 8563

February 19, 2016

Current Resident
2408 Ivy Ave.
Winston-Salem, NC 27105

RE: 2408 Ivy Ave.
Winston-Salem, NC 27105

Dear Resident:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in your neighborhood. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. This letter is being sent to you as the resident of the property referenced above.

Based on the results of recent groundwater and soil-vapor analysis, your residence has been selected, along with other nearby residences, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If the owner of your house cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the owner of your residential property. Once approval to proceed is received from both you and the owner, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2408 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

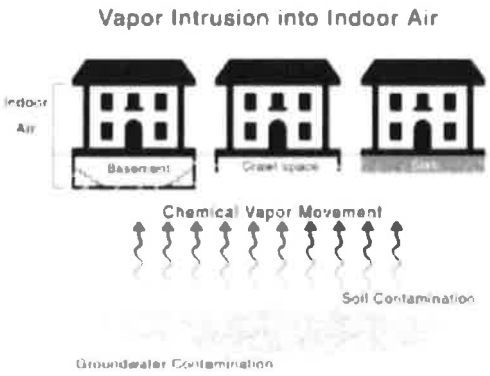
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70150640000356788563

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739692

DATE & TIME	STATUS OF ITEM	LOCATION
March 22, 2016 , 10:45 am	Delivered Back to Kaba	WINSTON SALEM, NC 27105
Your item was delivered at 10:45 am on March 22, 2016 in WINSTON SALEM, NC 27105.		
March 22, 2016 , 9:20 am	Out for Delivery	WINSTON SALEM, NC 27106
March 22, 2016 , 8:42 am	Sorting Complete	WINSTON SALEM, NC 27106
March 22, 2016 , 6:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 21, 2016 , 8:20 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 18, 2016 , 12:02 pm	Unclaimed/Max Hold Time Expired	WINSTON SALEM, NC 27105
March 2, 2016 , 12:20 pm	Notice Left (No Authorized Recipient Available)	WINSTON SALEM, NC 27105
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 9:41 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 6:21 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 3:56 pm	Acceptance	CARY, NC 27511

Available Actions

7015 0640 0003 5678 8563

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

WINSTON SALEM, NC 27105

Certified Mail Fee $3.45
Extra Services & Fees (check box, add fee as appropriate) $2.80
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.71
Total Postage and Fees $6.96

0504 03

Postmark Here
USPS CARY, NC FEB 29 2016 27511-9998 02/29/2016

Sent To Current Resident
Street and Apt. No., or PO Box No. 2408 Ivy Ave.
City, State, ZIP+4® Winston-Salem, NC 27105

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Track Another Package

Manage Incoming Packages

2412 IVY AVENUE

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 0640 0003 5678 8594

February 19, 2016

Maria Nella Floyd
4720 Old Rural Hall Rd.
Winston-Salem, NC 27105-2447

RE: 2412 Ivy Ave.
Winston-Salem, NC 27105

Dear Property Owner:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in the neighborhood of the property listed above. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. Based on Forsyth County records, it appears that you own the property listed above.

Based on the results of recent groundwater and soil-vapor analysis, your property has been selected, along with other nearby residential properties, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If you cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the tenant of your residential property (if any). Once approval to proceed is received from both you and your tenant, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2412 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

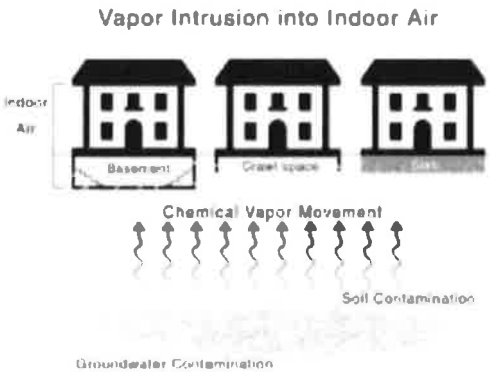
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

English Customer Service USPS Mobile Register / Sign In

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70150640000356788594

On Time
Expected Delivery Day: Wednesday, March 2, 2016

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739685

DATE & TIME	STATUS OF ITEM	LOCATION
March 2, 2016 , 3:30 pm	Delivered	WINSTON SALEM, NC 27105
Your item was delivered at 3:30 pm on March 2, 2016 in WINSTON SALEM, NC 27105.		
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 8:18 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 1, 2016 , 9:42 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 5:28 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 3:57 pm	Acceptance	CARY, NC 27511

Available Actions

7015 0640 0003 5678 8594

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.

WINSTON SALEM, NC 27105

OFFICIAL USE

Certified Mail Fee $3.45 $2.80
Extra Services & Fees (check box, add fee as appropriate)
- Return Receipt (hardcopy) $ $0.00
- Return Receipt (electronic) $ $0.00
- Certified Mail Restricted Delivery $ $0.00
- Adult Signature Required $ $0.00
- Adult Signature Restricted Delivery $

Postage $0.71
Total Postage and Fees $6.96

0504
03

Postmark Here
CARY, NC 27511 FEB 29 2016 USPS

Sent To Maria Nella Floyd
Street and Apt. No., or PO Box No. 4720 Old Rural Hall Rd.
City, State, ZIP+4® Winston-Salem, NC 27105-2447

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Owner 2412 Ivy

Track Another Package

Tracking (or receipt) number

Track It

Manage Incoming Packages

Track all your packages from a dashboard.
No tracking numbers necessary.

Sign up for My USPS ›

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Maria Nella Floyd
4720 Old Rural Hall Rd.
Winston-Salem, NC 27105-2447

9590 9403 0626 5183 7396 85

2. Article Number *(Transfer from service label)*

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [illegible] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery 3/2/16

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

502

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2412 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: Maria Floyd

Address: 4720 OLD Rural hall RD

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify)_____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: 336 986-7391

E-mail address: nccuplift@gmail.com

Question 1: Is the property currently occupied by a tenant? ☑ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☑ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☑ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☑ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☑ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form. Please call and email with the Date and Time.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 0640 0003 5678 8570

February 19, 2016

Current Resident
2412 Ivy Ave.
Winston-Salem, NC 27105

RE: 2412 Ivy Ave.
Winston-Salem, NC 27105

Dear Resident:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in your neighborhood. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. This letter is being sent to you as the resident of the property referenced above.

Based on the results of recent groundwater and soil-vapor analysis, your residence has been selected, along with other nearby residences, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If the owner of your house cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the owner of your residential property. Once approval to proceed is received from both you and the owner, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2412 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number where you may be reached: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

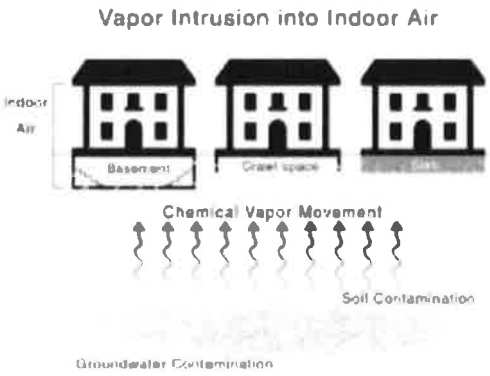
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70150640000356788570

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739678

DATE & TIME	STATUS OF ITEM	LOCATION
March 22, 2016 , 10:45 am	Delivered Back to Kaba	WINSTON SALEM, NC 27105
Your item was delivered at 10:45 am on March 22, 2016 in WINSTON SALEM, NC 27105.		
March 22, 2016 , 9:20 am	Out for Delivery	WINSTON SALEM, NC 27106
March 22, 2016 , 8:42 am	Sorting Complete	WINSTON SALEM, NC 27106
March 22, 2016 , 6:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 21, 2016 , 8:20 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 18, 2016 , 12:02 pm	Unclaimed/Max Hold Time Expired	WINSTON SALEM, NC 27105
March 2, 2016 , 12:18 pm	Notice Left (No Authorized Recipient Available)	WINSTON SALEM, NC 27105
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 9:42 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 5:27 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 3:58 pm	Acceptance	CARY, NC 27511

Available Actions

7015 0640 0003 5678 8570

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.
WINSTON SALEM, NC 27105
OFFICIAL USE

Certified Mail Fee $3.45
$ $2.80
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.71
$
Total Postage and Fees $6.96
$

0504
03

Postmark Here
8666
FEB 29 2016
CARY, NC
USPS

02/29/2016

Sent To Current Resident
Street and Apt. No., or PO Box No. 2412 Ivy Ave.
City, State, ZIP+4® Winston-Salem, NC 27105

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Track Another Package

Manage Incoming Packages

2416 IVY AVENUE

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 0640 0003 5678 7771

February 19, 2016

Loretta P. Edwards
2416 Ivy Ave.
Winston-Salem, NC 27105-5240

RE: 2416 Ivy Ave.
Winston-Salem, NC 27105

Dear Property Owner:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in the neighborhood of the property listed above. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. Based on Forsyth County records, it appears that you own the property listed above.

Based on the results of recent groundwater and soil-vapor analysis, your property has been selected, along with other nearby residential properties, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If you cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the tenant of your residential property (if any). Once approval to proceed is received from both you and your tenant, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2416 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

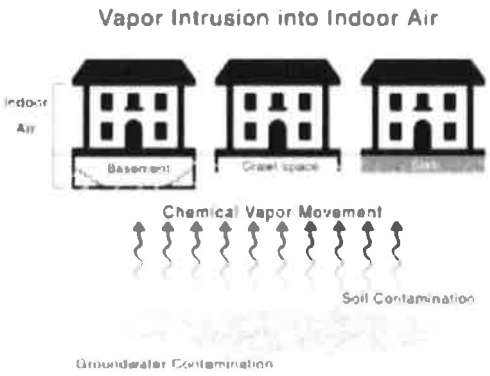
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70150640000356787771

On Time
Expected Delivery Day: Wednesday, March 2, 2016

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739661

DATE & TIME	STATUS OF ITEM	LOCATION
March 2, 2016 , 12:16 pm	Delivered	**WINSTON SALEM, NC 27105**
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:16 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 2, 2016 , 2:24 am	Departed USPS Facility	GREENSBORO, NC 27498
March 1, 2016 , 7:22 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 8:07 pm	Departed USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 5:27 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 3:58 pm	Acceptance	CARY, NC 27511

Available Actions

7015 0640 0003 5678 7771

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.

WINSTON SALEM, NC 27105

OFFICIAL USE

Certified Mail Fee $3.45
Extra Services & Fees (check box, add fee as appropriate)
- Return Receipt (hardcopy) $ $0.00
- Return Receipt (electronic) $ $0.00
- Certified Mail Restricted Delivery $ $0.00
- Adult Signature Required $ $0.00
- Adult Signature Restricted Delivery $

Postage $0.71
Total Postage and Fees $6.96

0504 03

Postmark Here
USPS 27511-9998
MAR 29 2016
03/29/2016

Sent To Loretta P. Edwards
Street and Apt. No., or PO Box No. 2416 Ivy Ave.
City, State, ZIP+4® Winston-Salem, NC 27105-52

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructio

Track Another Package

Tracking (or receipt) number

Track It

Manage Incoming Packages

Track all your packages from a dashboard.
No tracking numbers necessary.

Sign up for My USPS ›

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Loretta P. Edwards
2416 Ivy Ave.
Winston-Salem, NC 27105-5240

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Jeffery P Slater

☐ Agent
☐ Addressee

B. Received by (Printed Name)

X Jeffery Slater

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

2420 IVY AVENUE

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 0640 0003 5678 7788

February 19, 2016

C.W. Myers Trading Post, Inc.
2718 Liberty St., N.
Winston-Salem, NC 27105-4438

RE: 2420 Ivy Ave.
Winston-Salem, NC 27105

Dear Property Owner:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in the neighborhood of the property listed above. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. Based on Forsyth County records, it appears that you own the property listed above.

Based on the results of recent groundwater and soil-vapor analysis, your property has been selected, along with other nearby residential properties, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If you cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the tenant of your residential property (if any). Once approval to proceed is received from both you and your tenant, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2420 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

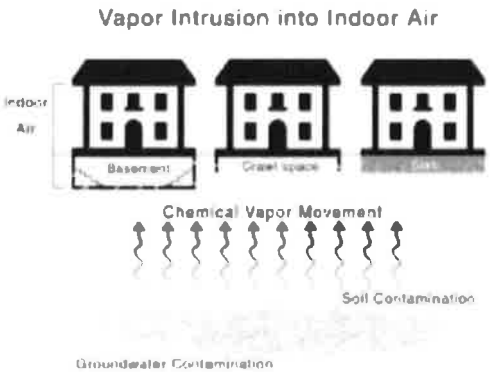
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70150640000356787788

On Time
Expected Delivery Day: Wednesday, March 2, 2016

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739654

DATE & TIME	STATUS OF ITEM	LOCATION
March 2, 2016 , 11:50 am	Delivered	**WINSTON SALEM, NC 27105**
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 8:20 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 1, 2016 , 7:22 am	Arrived at USPS Facility	GREENSBORO, NC 27498
February 29, 2016 , 8:12 pm	Departed USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 5:31 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 4:01 pm	Acceptance	CARY, NC 27511

Available Actions

7015 0640 0003 5678 7788

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

WINSTON SALEM, NC 27105

OFFICIAL USE

Certified Mail Fee $3.45
$
Extra Services & Fees (check box, add fee as appropriate) $2.30
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.71
$
Total Postage and Fees $6.96
$

0504
03

Postmark Here
CARY NC FEB 29 16 02/29/2016

Sent To C.W. Myers Trading Post, Inc.
Street and Apt. No., or PO Box No. 2718 Liberty St. N.
City, State, ZIP+4® Winston-Salem, NC 27105-442

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructio

Owner 2420 Ivy

Track Another Package

Tracking (or receipt) number

Track It

Manage Incoming Packages

Track all your packages from a dashboard.
No tracking numbers necessary.

Sign up for My USPS ›

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

C.W. Myers Trading Post, Inc.
2718 Liberty Street, North
Winston-Salem, NC 27105-4438

9590 9403 0626 5183 7396 54

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2420 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: Gerald G. Spaugh, V-P Finance

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number where you may be reached: 336-725-2393

E-mail address: gerald@cwmyers.com

Question 1: Is the property currently occupied by a tenant? ☑ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☑ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☑ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☑ **YES** ☐ **NO** ~~☐ **NOT APPLICABLE**~~

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☑ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 0640 0003 5678 7801

February 19, 2016

Current Resident
2420 Ivy Ave.
Winston-Salem, NC 27105

RE: 2420 Ivy Ave.
Winston-Salem, NC 27105

Dear Resident:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in your neighborhood. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. This letter is being sent to you as the resident of the property referenced above.

Based on the results of recent groundwater and soil-vapor analysis, your residence has been selected, along with other nearby residences, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If the owner of your house cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the owner of your residential property. Once approval to proceed is received from both you and the owner, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2420 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number where you may be reached: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

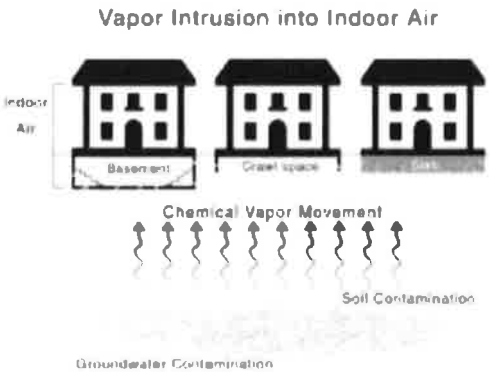
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: 70150640000356787801

On Time
Expected Delivery Day: Wednesday, March 2, 2016

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739647

DATE & TIME	STATUS OF ITEM	LOCATION
March 2, 2016 , 12:12 pm	Delivered	**WINSTON SALEM, NC 27105**
[illegible]	[illegible]	[illegible]
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:14 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 8:20 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 1, 2016 , 7:22 am	Arrived at USPS Facility	GREENSBORO, NC 27498
March 1, 2016 , 2:22 am	Departed USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 5:28 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 4:02 pm	Acceptance	CARY, NC 27511

Available Actions

7015 0640 0003 5678 7801

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com*®.

WINSTON SALEM, NC 27105

OFFICIAL USE

Certified Mail Fee $3.45
$ $2.80
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.71
$
Total Postage and Fees $6.96
$

0504
03

Postmark Here
CARY, NC 27511-9998
FEB 29 2016
USPS
02/29/2016

Sent To Current Resident
Street, Apt. No., or PO Box No. 2420 Ivy Ave.
City, State, ZIP+4® Winston-Salem, NC 27105

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructio

Track Another Package

Tracking (or receipt) number

Track It

Manage Incoming Packages

Track all your packages from a dashboard.
No tracking numbers necessary.

Sign up for My USPS ›

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Current Resident
2420 Ivy Ave.
Winston-Salem, NC 27105

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Ola Mae Lee ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* X Ola Mae Lee C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Registered Mail™

2424 IVY AVENUE

BEYOND SECURITY KABA

CERTIFIED MAIL: 7015 0640 0003 5678 7764

February 19, 2016

Timothy L. Williams
2424 Ivy Ave.
Winston-Salem, NC 27105-5240

RE: 2424 Ivy Ave.
Winston-Salem, NC 27105

Dear Property Owner:

As requested by the State of North Carolina Department of Environmental Quality, Kaba Ilco Corp. has recently been conducting an environmental assessment in the neighborhood of the property listed above. This assessment is investigating potential issues related to groundwater contamination resulting from the activities of previous owners of the facility at 2941 Indiana Avenue. Based on Forsyth County records, it appears that you own the property listed above.

Based on the results of recent groundwater and soil-vapor analysis, your property has been selected, along with other nearby residential properties, for a vapor-intrusion assessment. The purpose of the assessment is to evaluate the potential for contaminants in groundwater and soil vapor to intrude into residential structures at concentrations that may be potentially harmful to occupants. A fact sheet from the U.S. Environmental Protection Agency (EPA) with additional information about soil-vapor intrusion is attached.

The vapor-intrusion assessment will be conducted in accordance with guidelines established by the State of North Carolina. The assessment will involve the sampling of air (soil vapor) from beneath your basement or building slab, or from within the crawlspace if your house has one, for laboratory analysis. A small hole will be drilled through your basement floor or building slab, if your house does not have a crawlspace, to collect a soil-vapor sample. Following collection of the sample the floor will be re-sealed with cement. Indoor-air samples from your basement (if you have one) and your living area will also be collected. These samples will be collected on separate, single days, although the basement sampling devices will need to stay in the house overnight. If you cannot allow a hole to be drilled through the basement floor or building slab, only indoor-air sampling will be conducted.

Prior to the sampling, we would like to do a walkthrough of the house to select sampling points and identify any products that could represent a background source of indoor-air contamination. Examples of such products are listed on the attached "TCE and PCE in your home" fact sheet from EPA. We will ask you to remove any such products from the house until the sampling is

complete. Results of the analysis will be provided to you after they are received and evaluated. All of the sampling and analytical activities will be completed at no cost to you.

We have enclosed a questionnaire that asks about the specific sampling you would allow at this property. Please fill it out and return it to us in the enclosed self-addressed and stamped envelope. A similar request letter is also being sent to the tenant of your residential property (if any). Once approval to proceed is received from both you and your tenant, you will both be contacted to schedule the pre-sampling walkthrough and the sampling activities. In the meantime, if you have any questions or need any additional information, please contact me or Mr. Pete Dressel of Piedmont Geologic at (919) 854-9700.

We look forward to and appreciate your prompt response to this request.

Sincerely,

Ed Lodics
VP Manufacturing Center, KWS

cc: Pete Dressel, Piedmont Geologic

Attachments

VAPOR-INTRUSION ASSESSMENT QUESTIONNAIRE
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NORTH CAROLINA

Property Address: 2424 Ivy Ave.
Winston-Salem, NC 27105

Name of Person Completing Questionnaire: _____

Address, if different than above: _____

Relationship to property (circle): **OWNER** **RESIDENT** **OTHER** (specify) _____

Type of building construction (circle): **BASEMENT** **CRAWL SPACE** **SLAB ON GRADE**

Daytime telephone number: _____

E-mail address: _____

Question 1: Is the property currently occupied by a tenant? ☐ **YES** ☐ **NO**

Proceed to Question 2.

Question 2: Will you allow Kaba Ilco and representatives to enter the property for the purpose of conducting soil-vapor and/or indoor-air sampling? ☐ **YES** ☐ **NO**

If YES, proceed to Question 3. If NO, go to bottom of questionnaire.

Question 3: Will you allow a small drill hole (<1-inch diameter) to be drilled through your basement floor or building slab for the purpose of soil-vapor sampling? ☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 4.

Question 4: Will you allow an air sample to be collected from the building crawl space

☐ **YES** ☐ **NO** ☐ **NOT APPLICABLE**

Proceed to Question 5.

Question 5: Will you allow indoor-air sampling, if warranted? ☐ **YES** ☐ **NO**

Proceed to below.

Provide any questions or comments on the back of this form.

PLEASE RETURN THIS QUESTIONNAIRE IN THE STAMPED/ADDRESSED ENVELOPE PROVIDED TO:

Piedmont Geologic, P.C.
c/o Pete Dressel
6003-145 Chapel Hill Road
Raleigh, NC 27607
(919) 854-9700

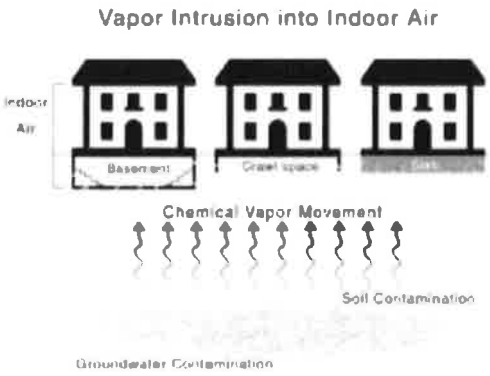
United States Environmental Protection Agency

What You Should Know About Vapor Intrusion

EPA has developed this fact sheet to answer some of the most commonly asked questions about an important health issue called vapor intrusion. Vapors and gases from contaminated groundwater and soil have the potential to seep into indoor spaces and cause health problems.

What is vapor intrusion?

When chemicals or petroleum products are spilled on the ground or leak from underground storage tanks, they can give off gases, or vapors that can get inside buildings. Common products that can cause vapor intrusion are gasoline or diesel fuel, dry cleaning solvents and industrial de-greasers. The vapors move through the soil and seep through cracks in basements, foundations, sewer lines and other openings. Vapor intrusion is a concern because vapors can build up to a point where the health of residents or workers in those buildings could be at risk. Some vapors such as those associated with petroleum products have a gasoline odor, others are odor-free.



Can vapors in my home come from household sources?

Common household products can be a source of indoor air problems. Vapors and gases can come from: paints; paint strippers or thinners; moth balls; new carpeting and furniture; stored fuel; air fresheners; cleaning products; dry cleaned clothing and even cigarette smoke.

What are the health concerns related to vapor intrusion?

When vapor intrusion does occur, the health risk will vary based on the type of chemicals, the levels of the chemical found, the length of exposure and the health of exposed individuals. Some people may experience eye and respiratory irritation, headaches and/or nausea. These symptoms are temporary and should go away when the vapors are addressed. Low-level chemical exposures over many years may raise the lifetime risk of cancer or chronic disease.

How is vapor intrusion discovered?

Samples of gas in the soil or groundwater are first collected near a contaminated site. If no contamination is found near a site, then vapor intrusion should not be a problem. If contamination is found, depending on the type, the search may be widened to include samples closer to or on individual properties. The next step is to take vapor samples from the soil under the home's foundation; these are called slab, or sub-slab samples. EPA does not generally recommend indoor air sampling before slab or sub-slab sampling, because indoor air quality varies widely day to day. Also, household products may interfere with sampling results.

What happens if a problem is found?

The most common solution is to install systems often used to reduce naturally occurring radon that seeps into homes in some geographic areas. These systems, called radon mitigation systems, remove soil vapors from below basements or foundations before they enter homes. Vapors are vented outside of the homes where they become dispersed and harmless. These systems use minimal electricity and do not affect heating and cooling efficiency. They also prevent radon from entering homes – an added health benefit especially in radon prone areas. Once the source of the vapors is eliminated, the systems should no longer be needed.

Vapor Intrusion: Tightly seal common household products after use and seal them in an area that is well ventilated to avoid the release of vapors

What can I do to improve indoor air quality?

- Don't buy more chemicals than you need.
- Store unused chemicals in appropriate tightly-sealed containers.
- Don't make your home too air tight. Fresh air helps prevent chemical build-up and mold growth.
- Fix all leaks promptly, as well as other moisture problems that encourage mold.
- Check all appliances and fireplaces annually.
- Test your home for radon. Test kits are available at hardware and home improvement stores or you can call the Radon Hotline at 800-458-1158 in New York State, or 800-648-0394 in New Jersey.
- Install carbon monoxide detectors in your home. They are available at hardware and home improvement stores.

Sub-slab mitigation system: This system draws radon and other vapors out of the soil and vents them outside

For more information:

- For health related questions regarding vapor intrusion, contact your local health department or the federal Agency for Toxic Substances and Disease Registry at: 1-888-422-8737 or visit their Web site at www.atdsr.cdc.gov

- For more detailed information on EPA's vapor intrusion sampling, visit the EPA's Web site at: www.epa.gov/correctiveaction/eis/vapor/guidance.pdf

- For more information on indoor air quality, visit EPA's Web site at: www.epa.gov/air/topics/comoria.html or call the indoor air Quality Information hotline at 1-800-438-4318

TCE and PCE in Your Home

U.S. Environmental Protection Agency, Region 10 December 2006

Are there health risks from breathing low levels of TCE and PCE over long periods?

Trichloroethylene (TCE) and perchloroethylene (PCE) belong to a family of chemicals known as *chlorinated solvents* that easily evaporate into the air. Breathing moderate amounts of TCE may cause headaches and dizziness. However, the levels found in indoor air in the Palermo neighborhood are very small, and we do not expect them to cause such symptoms. Breathing low levels of TCE and PCE over time may pose some additional risk of developing cancer, depending on the amount of exposure and, in some cases, an individual's sensitivity to the chemical.

TCE and PCE in groundwater

TCE and PCE are commonly found in consumer products (*see below*), so it can be difficult to determine whether the chemicals found in indoor air are coming from contaminated groundwater or from another source. In our testing, we are looking to see whether the concentrations of the chemicals in your crawl space are lower or higher than inside your home. If the crawl space concentrations are lower than indoor levels, then it is likely that some or all of the chemicals are coming from another source, such as a consumer product.

TCE and PCE in consumer products

TCE and PCE may be found in a variety of consumer products, such as:

- dry-cleaned clothes
- metal degreasers
- adhesives
- automotive products
- cleaning products
- laundry aids
- aerosols
- paint removers

What you can do

• Keep your crawlspace vents open and unobstructed year-round to allow outside air to mix with the air in your crawlspace. This can help reduce the levels of chemicals that may be in your crawlspace. If you do not know how to open your vents, please call us and we will help you locate and open them.

There are also things you can do to limit the amount of these chemicals in your indoor air from household sources. For example:

• Keep lids tightly closed on containers of cleaners, solvents, and other chemicals that may be stored in or under your house, including garage spaces.

• Open doors and windows to increase air ventilation when you are using products that may contain TCE or PCE.

• When you bring home dry-cleaned clothing, let it air out before bringing it into your home.

• Discard products you no longer use. Call Thurston County's WasteLine at **360-786-5494** for information regarding the safe and legal disposal of hazardous household chemicals. Or visit them online at *http://www.co.thurston.wa.us/health*.

For more information . . .

Please contact **Charles Bert**
EPA Community Involvement Coordinator
360-753-8073, or email *bert.charles@epa.gov*.

For health-related questions, you may contact **Barbara Trejo**, Washington Department of Health
360-236-3373, or email
barbara.trejo@doh.wa.gov.

English Customer Service USPS Mobile Register / Sign In

USPS.COM

USPS Tracking®

Customer Service ›
Have questions? We're here to help.

Get Easy Tracking Updates ›
Sign up for My USPS.

Tracking Number: **70150640000356787764**

Product & Tracking Information

Postal Product:
First-Class Mail®

Features:
Certified Mail™ Return Receipt

See tracking for related item: 9590940306265183739630

DATE & TIME	STATUS OF ITEM	LOCATION
March 24, 2016 , 10:36 am	Delivered Back to Kaba	**WINSTON SALEM, NC 27105**

Your item was delivered at 10:36 am on March 24, 2016 in WINSTON SALEM, NC 27105

March 24, 2016 , 8:40 am	Out for Delivery	WINSTON SALEM, NC 27106
March 24, 2016 , 8:30 am	Sorting Complete	WINSTON SALEM, NC 27106
March 24, 2016 , 6:55 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 23, 2016 , 8:30 pm	Departed USPS Facility	GREENSBORO, NC 27498
March 18, 2016 , 12:02 pm	Unclaimed/Max Hold Time Expired	WINSTON SALEM, NC 27105
March 2, 2016 , 12:12 pm	Notice Left (No Authorized Recipient Available)	WINSTON SALEM, NC 27105
March 2, 2016 , 8:04 am	Out for Delivery	WINSTON SALEM, NC 27105
March 2, 2016 , 7:54 am	Sorting Complete	WINSTON SALEM, NC 27105
March 2, 2016 , 7:16 am	Arrived at Unit	WINSTON SALEM, NC 27106
March 1, 2016 , 7:22 am	Arrived at USPS Facility	GREENSBORO, NC 27498
March 1, 2016 , 2:22 am	Departed USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 5:28 pm	Arrived at USPS Facility	RALEIGH, NC 27676
February 29, 2016 , 3:49 pm	Acceptance	CARY, NC 27511

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
OFFICIAL USE
7015 0640 0003 5678 7764
WINSTON SALEM, NC 27105
Certified Mail Fee $3.45
Extra Services & Fees (check box, add fee as appropriate) $2.80
Return Receipt (hardcopy) $1.10
Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $0.71
Total Postage and Fees $6.96
Sent To Timothy L. Williams
Street and Apt. No., or PO Box No. 2424 Ivy Ave.
City, State, ZIP+4® Winston-Salem, NC 27105
PS Form 3800, April 2015 PSN 7530-02-000-9047
See Reverse for Instr
0504 03
Postmark Here
CARY, NC
FEB 29 2016
USPS 27511
02/29/2016

Track Another Package

Manage Incoming Packages

APPENDIX C

BUILDING SURVEY FORMS AND FORSYTH COUNTY PROPERTY RECORDS

DWM INDOOR AIR BUILDING SURVEY
and SAMPLING FORM

Site Name: KABA ILCO DSCAID#: _____

Preparer's name: JON MURPHREY Date: 4/25/16

Preparer's affiliation: PIEDMONT GEOLOGIC Phone #: 919-854-9700

Part I - Occupants

Building Address: 2403 Glenn Ave, Winston-Salem, NC 27105

Property Contact: Lillie Mae Walters (Owner) / Renter / other: _____

Contact's Phone: home (336) 722-4865 work ( ) _____ cell ( ) _____

# of Building occupants: Children under age 13 ____ Children age 13-18 ____ Adults 2

Part II – Building Characteristics

Building type: (residential) / multi-family residential / office / strip mall / commercial / industrial

Describe building: 1 story w/ unfinished basement Year constructed: 1928

Sensitive population: day care / nursing home / hospital / school / other (specify): _____

Number of floors below grade: 1 (full basement) / (crawl space) / slab on grade)

Number of floors at or above grade: 1

Depth of basement below grade surface: ~3 ft. Basement size: 725 ft^2

Basement floor construction: (concrete) / dirt / floating / stone / other (specify): _____

Foundation walls: poured concrete / (cinder blocks) / stone / other (specify) _____

Basement sump present? (Yes) / No (FLOOR DRAIN) Sump pump? *Yes* / (*No*) Water in sump? *Yes* / (*No*)

Type of heating system (circle all that apply):

hot air circulation	hot air radiation	wood	steam radiation
(heat pump)	hot water radiation	kerosene heater	electric baseboard

other (specify): _____

Type of ventilation system (circle all that apply):

central air conditioning	mechanical fans	bathroom ventilation fans	(NONE)
individual air conditioning units	kitchen range hood fan	outside air intake	

other (specify): _____

Type of fuel utilized (circle all that apply):

(Natural gas) / electric / fuel oil / wood / coal / solar / kerosene

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? *Yes* / *No* (unknown)

WORKSHOP OR HOBBY AREA? NO

BASEMENT ACTIVITIES? STORAGE

RECENT REMODELING? NO

Is there a whole house fan? *Yes* / *No*

Septic system? *Yes* / *Yes (but not used)* / *No*

Irrigation/private well? *Yes* / *Yes (but not used)* / *No*

Type of ground cover outside of building: grass / concrete / asphalt / other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes* / *No* *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes* / *No*
Type of barrier: _____

Part III - Outside Contaminant Sources

Other stationary sources nearby (gas stations, emission stacks, etc.): NO

Heavy vehicular traffic nearby (or other mobile sources): NO

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	Location(s)	Removed (Yes / No / NA)
Gasoline storage cans	NO	NA
Gas-powered equipment	WESTERN CRAWL SPACE AREA - PUSH LAWN MOWER	YES
Kerosene storage cans	NO	NA
Paints / thinners / strippers	NO	NA
Cleaning solvents	NO	NA
Oven cleaners	NO	NA
Carpet / upholstery cleaners	NO	NA
Other house cleaning products	NO	NA
Moth balls	NO	NA
Polishes / waxes	NO	NA
Insecticides	NO	NA
Furniture / floor polish	NO	NA
Nail polish / polish remover	NO	NA
Hairspray	NO	NA
Cologne / perfume	NO	NA
Air fresheners	NO	NA
Fuel tank (inside building)	NO	NA
Wood stove or fireplace	YES - LIVING ROOM	NA
New furniture / upholstery	NO	NA
New carpeting / flooring	NO	NA
Hobbies - glues, paints, etc.	NO	NA

Part V – Miscellaneous Items

Do any occupants of the building smoke? *Yes* / *No* How often? 4-5 times/day

Last time someone smoked in the building? 1 day before Sampling hours / *days* *ago*

Does the building have an attached garage directly connected to living space? *Yes* / *No*

If so, is a car usually parked in the garage? *Yes* / *No*

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? *Yes* / *No*

Do the occupants of the building have their clothes dry cleaned? *Yes* / *No*

If yes, how often? weekly / monthly / 3-4 times a year

Do any of the occupants use solvents in work? *Yes* / *No*

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? *Yes* / *No*

Have any pesticides/herbicides been applied around the building or in the yard? *Yes* / *No*

If so, when and which chemicals? _____

Has there ever been a fire in the building? *Yes* / *No* If yes, when? _____

Has painting or staining been done in the building in the last 6 months? *Yes* / *No*

If yes, when _____ and where? _____

Part VI – Sampling Information SEE SAMPLING RECORD

Sample Technician: _____ Phone number: ( ) _____ - _____

Sample Source: Indoor Air / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / Sorbent / Stainless Steel Canister / Other (specify): _____

Analytical Method: TO-15 / TO-17 / other: _____ Cert. Laboratory: _____

Sample locations (floor, room):

Field ID # _____ - _____ Field ID # _____ - _____

Field ID # _____ - _____ Field ID # _____ - _____

Were "Instructions for Occupants" followed? *Yes* / *No*

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building

SEE ATTACHED

Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? *Yes* / *No*

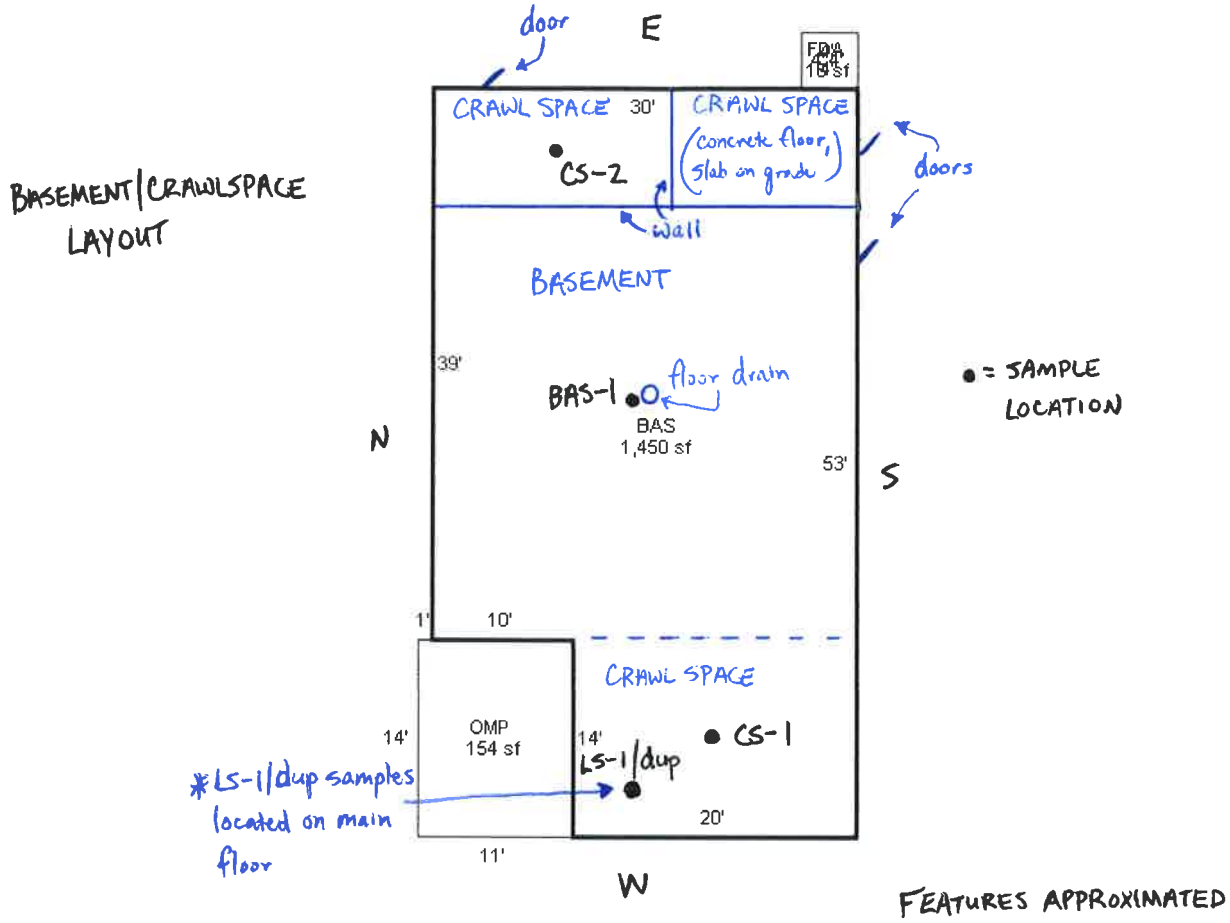
Describe the general weather conditions: SEE SAMPLING RECORD

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

(Adapted from the NJDEP Vapor Intrusion Guidance, October 2005)

Building Sketch



Detail Appraisal Report - Residential Bldg: 1 of 1

Cost Approach

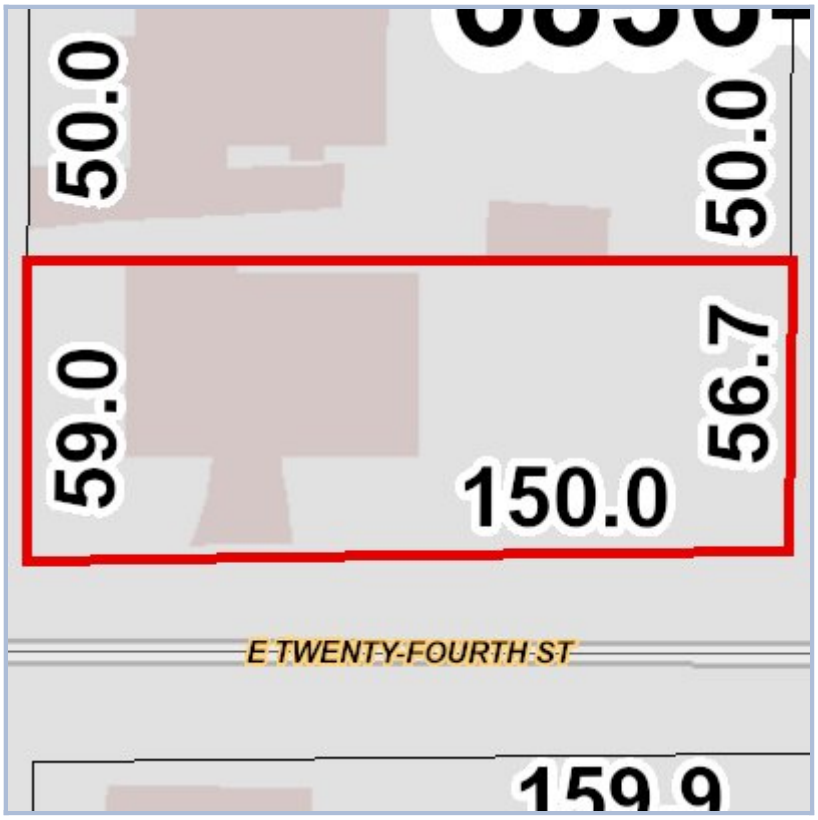
Area	Units	Percent of Base	Rate	Value
Base	1450	1.0446	68.5	$103,754
Frame Deck Average	16	0.25	68.5	$274
Open Masonry Porch	154	0.4	68.5	$4,219

Residential Cost Details

Detail	Number/Type	Value
Plus Bath:	0	$2,000
Heat:	Forced Warm Air	$0
AC:		$0
Fireplace:	1	$1,200
Basement:	725	$9,932
Basement Finish:	0	$0
Garage Doors:	0	$0
Attic:	0	$0
Attic Finish:	0	$0

Forsyth County, NC	Convert to PDF	5/18/2016
Parcel ID	**Property Address**	**January 1 Property Owner**
6836-35-6190.00	2403 Glenn Ave	Lillie Mae Walters

Detail Appraisal Report - Residential **Bldg: 1 of 1**



Current Owners	
Owner 1	Lillie Mae Walters
Owner 2	
Mailing Address	2403 Glenn AVE N
City, State Zip	Winston-Salem NC 27105-5213

Mobile Maps and Information

Disclaimer: The values and information provided on this property record card are based upon the best available information on 01/01/2013. This information is subject to change because of changes to the property, correction of existing information, additional information, or as the result of an appeal of the property.

Parcel Information

Block/Lot	Neighborhood
1160 010	633866

Assessed Values All Cards

Total Land Value	Total Buildings Value	Total Misc Imp Value	Total Assessed Value
$6,300	$31,479	$200	$38,000

Road/Topography/Utilities

Roads	Topography	Utilities
Curb & Gutter, RoadPubPaved, RoadSideWalk	Desirable	City Water, Gas, Sewer

Land Valuation

Type	Zoning	Acres	SqFt	Rate	Ut	Size	LC	RF	TO	SH	AC	EZ	Value
RL	RS7	0	0	6,000	1	1.05	1	1	1	1	1	1	$6,300

Total SqFt	Total Acres	Total Value
0	0	$6,300

Building Detail

Forsyth County considers all standard approaches to value. The assessed value on this building was determined based upon the **Cost Approach**.

Detail Appraisal Report - Residential **Bldg: 1 of 1**

Improvement Detail

Construction	Story	Style	Yr. Blt	Liv Area SqFt	Bsmt SqFt	Attic SqFt	Fin Attic SqFt	Bedrooms	Full Baths	Half Baths	Total Rms
Masonry	1	Conventional	1928	1,450	725	0	0	3	1	1	6

pdfcrowd.com

Heat	AC	Occupancy	Roof	Roof Cover	Ext Walls	Foundation
Forced Warm Air		Single Family	Gable	Asphalt Shingle	Brick	Masonry

Area Detail		
Type	Description	SqFt
BAS	Base	1,450
OMP	Open Masonry Porch	154
FDA	Frame Deck Average	16

Miscellaneous Improvements					
Type	Construction	Height	Area	Year Built	Value
Gmf	BR	1	144	0	$200

Assessed Values - This Building			
Land Value	Misc. Imp. Value	Residential Value	Total Value
$6,300	$200	$31,479	$37,979

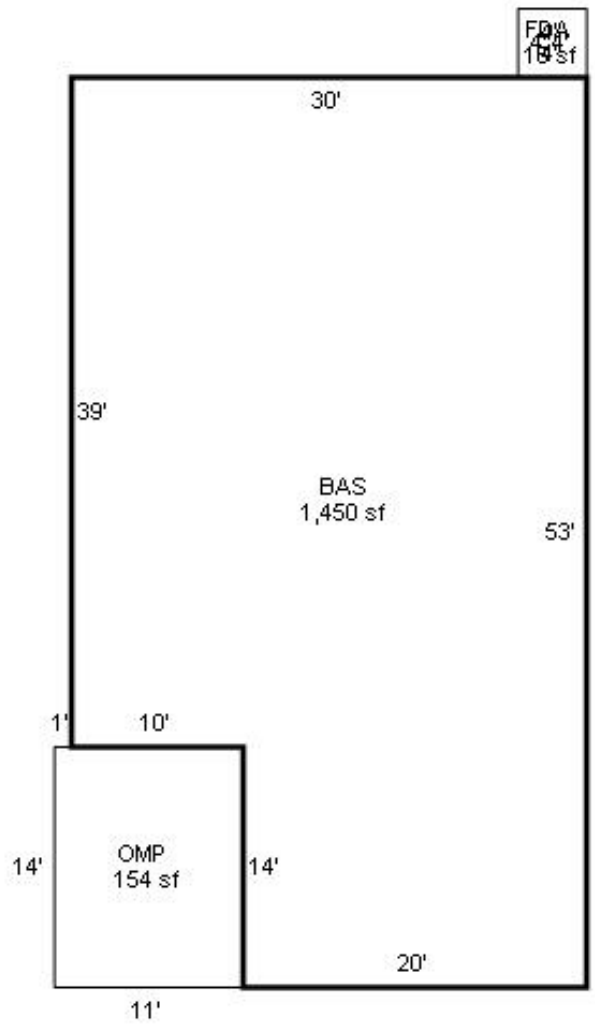
Detail Appraisal Report - Residential Bldg: 1 of 1

Building Image

1160 010 01 03/28/2007

pdfcrowd.com

Building Sketch



Detail Appraisal Report - Residential Bldg: 1 of 1

Cost Approach				
Area	Units	Percent of Base	Rate	Value
Open Masonry Porch	154	0.4	68.5	$4,219
Base	1450	1.0446	68.5	$103,754
Frame Deck Average	16	0.25	68.5	$274

Residential Cost Details		
Detail	Number/Type	Value
Plus Bath:	0	$2,000
Heat:	Forced Warm Air	$0
AC:		$0
Fireplace:	1	$1,200
Basement:	725	$9,932
Basement Finish:	0	$0
Garage Doors:	0	$0
Attic:	0	$0
Attic Finish:	0	$0

Built-in Detail	Number
Jenn-Aire:	0
Elevator:	0
Microwave:	0
Vacuum System:	0
Alarm System:	0
Radio Intercom:	0
Total Built-in Value:	$0.00

pdfcrowd.com

Base Value	Grade	Replacement Cost New	Depreciation	Economic/Functional	Depreciated Value
$121,379.00	C-5 95% $121,379.00	$115,310.05	58% ($66,879.83)	35% ($16,950.58)	$31,479.00

Miscellaneous Improvements for Cost Approach					
Type	Construction	Height	Area	Yr. Built	Value
Gmf	BR	1	144	0	$200

Taxing Jurisdictions	
Jurisidiction	Fire District
Winston-Salem 100%	FD

pdfcrowd.com

DWM INDOOR AIR BUILDING SURVEY
and SAMPLING FORM

Site Name: KABA ILCO DSCAID#: _____

Preparer's name: JON MURPHREY Date: 4/25/16

Preparer's affiliation: PIEDMONT GEOLOGIC Phone #: 919-854-9700

Part I - Occupants

Building Address: 2412 Ivy Ave, Winston-Salem, NC 27105

Property Contact: Darrel Floyd (Owner) / Renter / other: _____

Contact's Phone: home (336) 986-7391 work ( ) _____ cell ( ) _____

# of Building occupants: Children under age 13 3 Children age 13-18 _____ Adults 2

Part II – Building Characteristics

Building type: (residential) / multi-family residential / office / strip mall / commercial / industrial

Describe building: 1 story w/ unfinished basement, partially finished attic Year constructed: 1947

Sensitive population: day care / nursing home / hospital / school / other (specify): _____

Number of floors below grade: 1 (full basement) / (crawl space) / slab on grade)

Number of floors at or above grade: 1

Depth of basement below grade surface: 7-8 ft. Basement size: 720 ft^2

Basement floor construction: (concrete) / dirt / floating / stone / other (specify): _____

Foundation walls: poured concrete / (cinder blocks) / stone / other (specify) _____

Basement sump present? (*Yes*) / *No* Sump pump? *Yes* / (*No*) Water in sump? *Yes* / (*No*)

Type of heating system (circle all that apply):

hot air circulation hot air radiation wood steam radiation
heat pump hot water radiation kerosene heater (electric baseboard)
other (specify): _____

Type of ventilation system (circle all that apply):

central air conditioning mechanical fans bathroom ventilation fans
(individual air conditioning units) kitchen range hood fan outside air intake
other (specify): _____

Type of fuel utilized (circle all that apply):

Natural gas / (electric) / fuel oil / wood / coal / solar / kerosene

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? *Yes* / *No* (unknown)

WORKSHOP OR HOBBY AREA? NO

BASEMENT ACTIVITIES? NONE

RECENT REMODELING? NO

Is there a whole house fan? *Yes* / *No*

Septic system? *Yes* / *Yes (but not used)* / *No*

Irrigation/private well? *Yes* / *Yes (but not used)* / *No*

Type of ground cover outside of building: grass / concrete / asphalt / other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes* / *No* *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes* / *No*
Type of barrier: _____

Part III - Outside Contaminant Sources

Other stationary sources nearby (gas stations, emission stacks, etc.): NO

Heavy vehicular traffic nearby (or other mobile sources): NO

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	Location(s)	Removed (Yes / No / NA)
Gasoline storage cans	NO	NA
Gas-powered equipment	NO	NA
Kerosene storage cans	NO	NA
Paints / thinners / strippers	BASEMENT – 8 CANS OF SEALED PAINT	NO
Cleaning solvents	NO	NA
Oven cleaners	NO	NA
Carpet / upholstery cleaners	NO	NA
Other house cleaning products	NO	NA
Moth balls	NO	NA
Polishes / waxes	NO	NA
Insecticides	NO	NA
Furniture / floor polish	NO	NA
Nail polish / polish remover	NO	NA
Hairspray	NO	NA
Cologne / perfume	NO	NA
Air fresheners	NO	NA
Fuel tank (inside building)	BASEMENT – HEATING OIL TANK (EMPTY / UNUSED)	NA
Wood stove or fireplace	NO	NA
New furniture / upholstery	NO	NA
New carpeting / flooring	NO	NA
Hobbies - glues, paints, etc.	NO	NA

NO = NONE OBSERVED

Part V – Miscellaneous Items

Do any occupants of the building smoke? *Yes* / *No* How often? 4-5 times/day

Last time someone smoked in the building? 1 day before sampling hours / *days* *ago*

Does the building have an attached garage directly connected to living space? *Yes* / *No*

If so, is a car usually parked in the garage? *Yes* / *No*

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? *Yes* / *No*

Do the occupants of the building have their clothes dry cleaned? *Yes* / *No*

If yes, how often? weekly / monthly / 3-4 times a year

Do any of the occupants use solvents in work? *Yes* / *No*

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? *Yes* / *No*

Have any pesticides/herbicides been applied around the building or in the yard? *Yes* / *No*

If so, when and which chemicals? _____

Has there ever been a fire in the building? *Yes* / *No* If yes, when? _____

Has painting or staining been done in the building in the last 6 months? *Yes* / *No*

If yes, when _____ and where? _____

Part VI – Sampling Information SEE SAMPLING RECORD

Sample Technician: _____ Phone number: ( ) _____ - _____

Sample Source: Indoor Air / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / Sorbent / Stainless Steel Canister / Other (specify): _____

Analytical Method: TO-15 / TO-17 / other: _____ Cert. Laboratory: _____

Sample locations (floor, room):

Field ID # _____ - _____ Field ID # _____ - _____

Field ID # _____ - _____ Field ID # _____ - _____

Were "Instructions for Occupants" followed? *Yes* / *No*

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building

SEE ATTACHED

Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? *Yes* / *No*

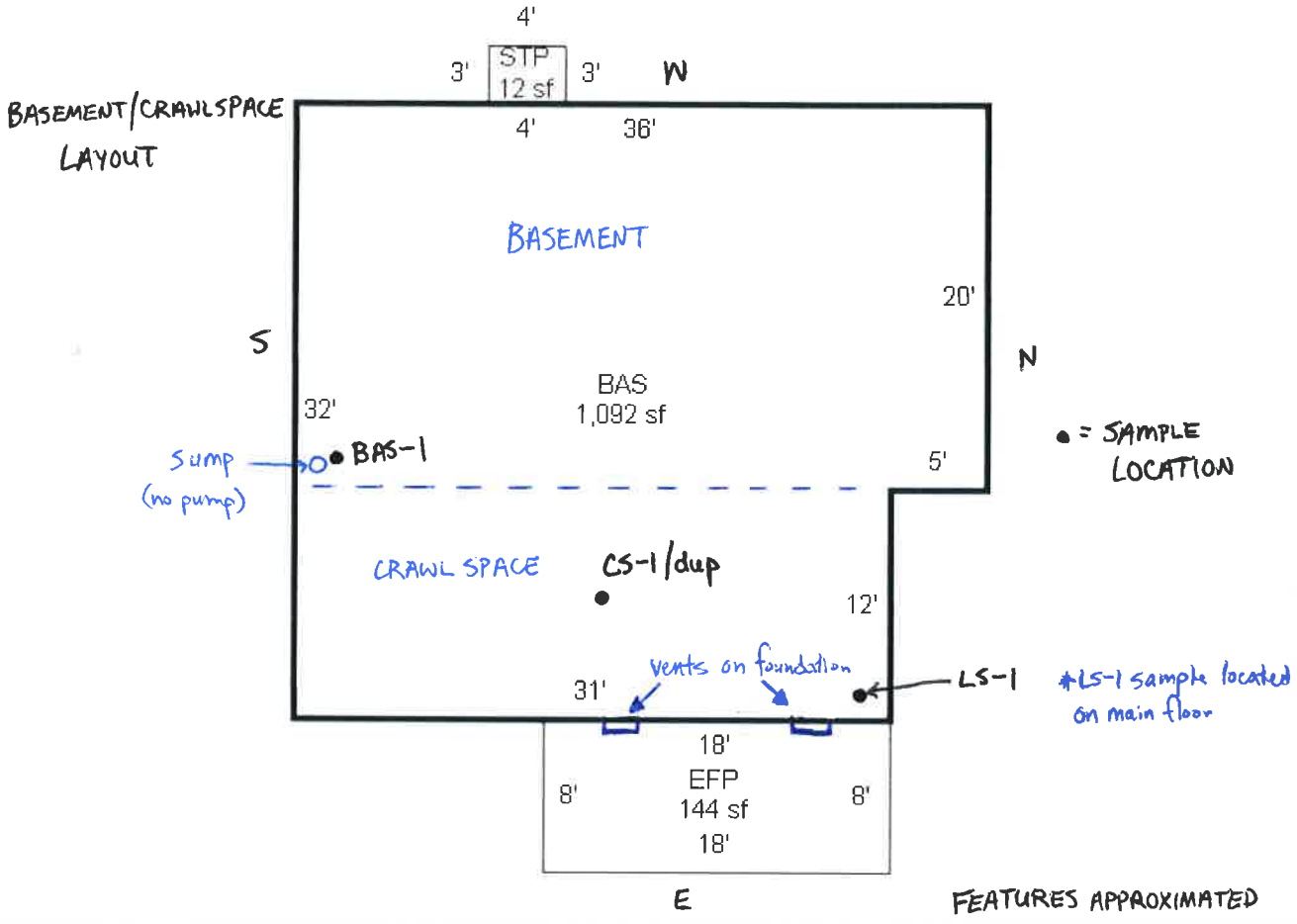
Describe the general weather conditions: SEE SAMPLING RECORD

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

(Adapted from the NJDEP Vapor Intrusion Guidance, October 2005)

Building Sketch



Detail Appraisal Report - Residential Bldg: 1 of 1

Cost Approach

Area	Units	Percent of Base	Rate	Value
Enclosed Frame Porch	144	0.59	68.5	$5,819
Base	1092	1.0358	68.5	$77,479
Stoop	12	0.33	68.5	$271

Residential Cost Details

Detail	Number/Type	Value
Plus Bath:	0	$0
Heat:	Forced Warm Air	$0
AC:		$0
Fireplace:	0	$0
Basement:	546	$7,480
Basement Finish:	0	$0
Garage Doors:	0	$0
Attic:	437	$2,993
Attic Finish:	0	$0

Forsyth County, NC	Convert to PDF	5/18/2016
Parcel ID	**Property Address**	**January 1 Property Owner**
6836-35-8255.00	2412 Ivy Ave	Maria Nella Floyd

Detail Appraisal Report - Residential **Bldg: 1 of 1**

Current Owners	
Owner 1	Maria Nella Floyd
Owner 2	
Mailing Address	4720 Old Rural Hall RD
City, State Zip	Winston-Salem NC 27105-2447

Mobile Maps and Information

Disclaimer: The values and information provided on this property record card are based upon the best available information on 01/01/2013. This information is subject to change because of changes to the property, correction of existing information, additional information, or as the result of an appeal of the property.

Parcel Information

Block/Lot	Neighborhood
1160 017	633866

Last 2 Recordations Available

Sale Date	Estate	Stamps	Sale Price	Book/Page
9/10/2015		0	$0	3249/3701
6/28/2011		0	$0	3007/4222

Assessed Values All Cards

Total Land Value	Total Buildings Value	Total Misc Imp Value	Total Assessed Value
$6,000	$28,607	$0	$34,600

Road/Topography/Utilities

Roads	Topography	Utilities
Curb & Gutter, RoadPubPaved	High	City Water, Gas, Sewer

Land Valuation

Type	Zoning	Acres	SqFt	Rate	Ut	Size	LC	RF	TO	SH	AC	EZ	Value
RL	RS7	0	0	6,000	1	1	1	1	1	1	1	1	$6,000

Total SqFt	Total Acres	Total Value
0	0	$6,000

Building Detail

Forsyth County considers all standard approaches to value. The assessed value on this building was determined based upon the **Cost Approach**.

Detail Appraisal Report - Residential **Bldg: 1 of 1**

pdfcrowd.com

Improvement Detail											
Construction	Story	Style	Yr. Blt	Liv Area SqFt	Bsmt SqFt	Attic SqFt	Fin Attic SqFt	Bedrooms	Full Baths	Half Baths	Total Rms
Frame	1	Conventional	1947	1,092	546	437	0	3	1	0	6

Heat	AC	Occupancy	Roof	Roof Cover	Ext Walls	Foundation
Forced Warm Air		Single Family	Gable	Asphalt Shingle	Asbestos Shingle	Masonry

Area Detail		
Type	Description	SqFt
EFP	Enclosed Frame Porch	144
BAS	Base	1,092
STP	Stoop	12

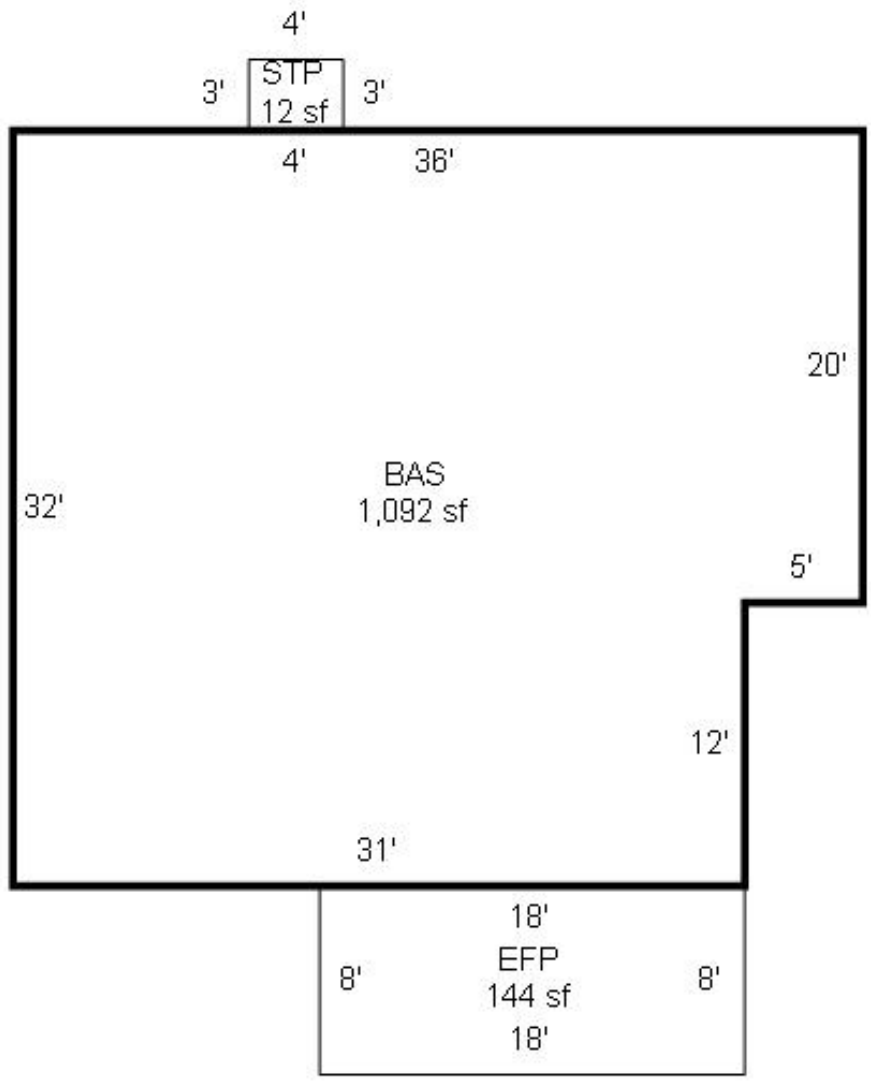
Detail Appraisal Report - Residential Bldg: 1 of 1

Building Image

1160 017 01 03/28/2007

pdfcrowd.com

Building Sketch



Detail Appraisal Report - Residential Bldg: 1 of 1

Cost Approach				
Area	Units	Percent of Base	Rate	Value
Stoop	12	0.33	68.5	$271
Base	1092	1.0358	68.5	$77,479
Enclosed Frame Porch	144	0.59	68.5	$5,819

Residential Cost Details		
Detail	Number/Type	Value
Plus Bath:	0	$0
Heat:	Forced Warm Air	$0
AC:		$0
Fireplace:	0	$0
Basement:	546	$7,480
Basement Finish:	0	$0
Garage Doors:	0	$0
Attic:	437	$2,993
Attic Finish:	0	$0

Built-in Detail	Number
Jenn-Aire:	0
Elevator:	0
Microwave:	0
Vacuum System:	0
Alarm System:	0
Radio Intercom:	0
Total Built-in Value:	$0.00

pdfcrowd.com

Base Value	Grade	Replacement Cost New	Depreciation	Economic/Functional	Depreciated Value
$94,042.00	C-10 90% $94,042.00	$84,637.80	48% ($40,626.14)	35% ($15,404.08)	$28,607.00

Taxing Jurisdictions	
Jurisidiction	Fire District
Winston-Salem 100%	FD

pdfcrowd.com

DWM INDOOR AIR BUILDING SURVEY
and SAMPLING FORM

Site Name: KABA ILCO DSCAID#: _____

Preparer's name: JON MURPHREY Date: 4/25/16

Preparer's affiliation: PIEDMONT GEOLOGIC Phone #: 919-854-9700

Part I - Occupants

Building Address: 2420 Ivy Ave, Winston-Salem, NC 27105

Property Contact: Ola Mae Lee Owner / Renter / other: _____

Contact's Phone: home (336) 608-4692 work ( ) _____ cell ( ) _____

# of Building occupants: Children under age 13 2 Children age 13-18 _____ Adults 2

Part II – Building Characteristics

Building type: residential / multi-family residential / office / strip mall / commercial / industrial

Describe building: 1 story w/ unfinished basement Year constructed: 1947

Sensitive population: day care / nursing home / hospital / school / other (specify): _____

Number of floors below grade: 1 (full basement / crawl space / slab on grade)

Number of floors at or above grade: 1

Depth of basement below grade surface: 7-8 ft. Basement size: 720 ft^2

Basement floor construction: concrete / dirt / floating / stone / other (specify): _____

Foundation walls: poured concrete / cinder blocks / stone / other (specify) _____

Basement sump present? *Yes* / *No* Sump pump? *Yes* / *No* Water in sump? *Yes* / *No*

Type of heating system (circle all that apply):

hot air circulation | hot air radiation | wood | steam radiation
heat pump | hot water radiation | kerosene heater | electric baseboard
other (specify): _____

Type of ventilation system (circle all that apply):

central air conditioning | mechanical fans | bathroom ventilation fans
individual air conditioning units | kitchen range hood fan | outside air intake
other (specify): _____

Type of fuel utilized (circle all that apply):

Natural gas / electric / fuel oil / wood / coal / solar / kerosene

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? *Yes* / *No* / unknown

WORKSHOP OR HOBBY AREA? No

BASEMENT ACTIVITIES? LAUNDRY (WASHER/DRYER)

RECENT REMODELING? No

Is there a whole house fan? *Yes* / *No*

Septic system? *Yes* / *Yes (but not used)* / *No*

Irrigation/private well? *Yes* / *Yes (but not used)* / *No*

Type of ground cover outside of building: grass / concrete / asphalt / other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes* / *No* *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes* / *No*
Type of barrier: _____

Part III - Outside Contaminant Sources

Other stationary sources nearby (gas stations, emission stacks, etc.): No

Heavy vehicular traffic nearby (or other mobile sources): No

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	Location(s)	Removed (Yes / No / NA)
Gasoline storage cans	NO	NA
Gas-powered equipment	NO	NA
Kerosene storage cans	NO	NA
Paints / thinners / strippers	NO	NA
Cleaning solvents	NO	NA
Oven cleaners	NO	NA
Carpet / upholstery cleaners	NO	NA
Other house cleaning products	BASEMENT-LAUNDRY DETERGENT	YES
Moth balls	NO	NA
Polishes / waxes	NO	NA
Insecticides	NO	NA
Furniture / floor polish	NO	NA
Nail polish / polish remover	NO	NA
Hairspray	NO	NA
Cologne / perfume	NO	NA
Air fresheners	NO	NA
Fuel tank (inside building)	BASEMENT-HEATING OIL TANK (EMPTY/UNUSED)	NA
Wood stove or fireplace	NO	NA
New furniture / upholstery	NO	NA
New carpeting / flooring	NO	NA
Hobbies - glues, paints, etc.	NO	NA

Part V – Miscellaneous Items

Do any occupants of the building smoke? *Yes* / *No* How often? 4-5 times/day

Last time someone smoked in the building? 1 day before sampling hours / *days* *ago*

Does the building have an attached garage directly connected to living space? *Yes* / *No*

If so, is a car usually parked in the garage? *Yes* / *No*

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? *Yes* / *No*

Do the occupants of the building have their clothes dry cleaned? *Yes* / *No*

If yes, how often? weekly / monthly / 3-4 times a year

Do any of the occupants use solvents in work? *Yes* / *No*

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? *Yes* / *No*

Have any pesticides/herbicides been applied around the building or in the yard? *Yes* / *No*

If so, when and which chemicals? _____

Has there ever been a fire in the building? *Yes* / *No* If yes, when? _____

Has painting or staining been done in the building in the last 6 months? *Yes* / *No*

If yes, when _____ and where? _____

Part VI – Sampling Information SEE SAMPLING RECORD

Sample Technician: _____ Phone number: ( ) _____ - _____

Sample Source: Indoor Air / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / Sorbent / Stainless Steel Canister / Other (specify): _____

Analytical Method: TO-15 / TO-17 / other: _____ Cert. Laboratory: _____

Sample locations (floor, room):

Field ID # _____ - _____ Field ID # _____ - _____

Field ID # _____ - _____ Field ID # _____ - _____

Were "Instructions for Occupants" followed? *Yes* / *No*

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building

SEE ATTACHED

Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? *Yes* / *No*

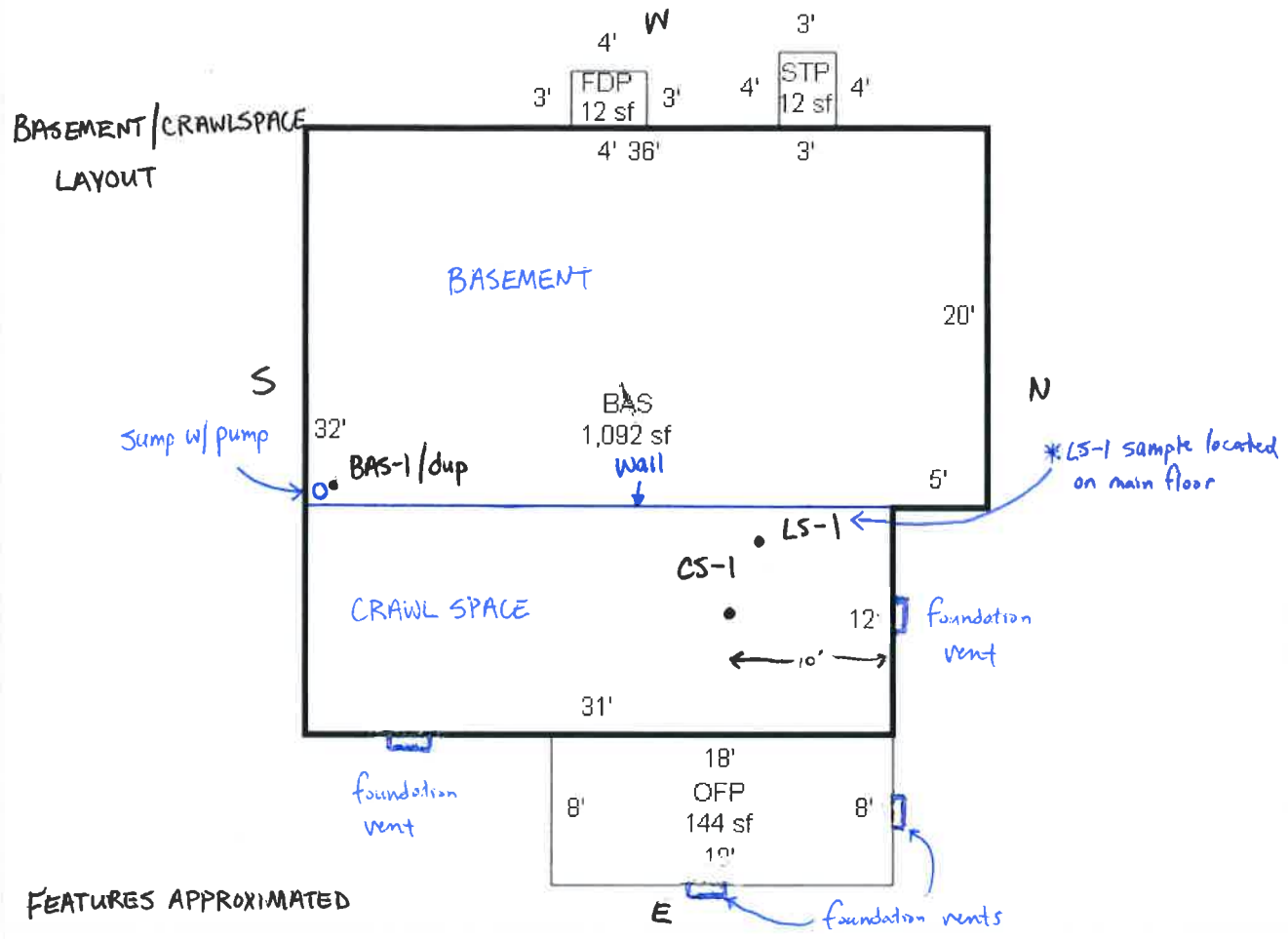
Describe the general weather conditions: SEE SAMPLING RECORD

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

(Adapted from the NJDEP Vapor Intrusion Guidance, October 2005)

Building Sketch



Detail Appraisal Report - Residential Bldg: 1 of 1

Cost Approach

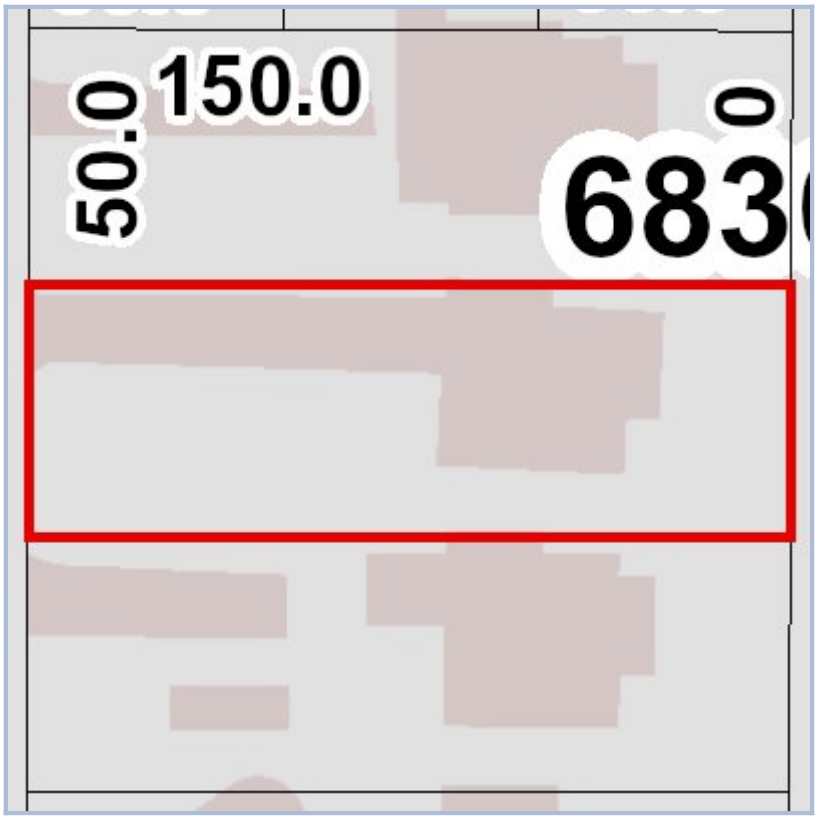
Area	Units	Percent of Base	Rate	Value
Frame Deck Poor	12	0.2	68.5	$164
Open Frame Porch	144	0.37	68.5	$3,649
Stoop	12	0.33	68.5	$271
Base	1092	1.0358	68.5	$77,479

Residential Cost Details

Detail	Number/Type	Value
Plus Bath:	0	$2,000
Heat:	Forced Warm Air	$0
AC:		$0
Fireplace:	1	$1,200
Basement:	546	$7,480
Basement Finish:	0	$0
Garage Doors:	0	$0
Attic:	437	$2,993
Attic Finish:	437	$10,776

Forsyth County, NC	Convert to PDF	5/18/2016
Parcel ID	**Property Address**	**January 1 Property Owner**
6836-35-8355.00	2420 Ivy Ave	C W Myers Trading Post Inc

Detail Appraisal Report - Residential **Bldg: 1 of 1**



Current Owners	
Owner 1	C W Myers Trading Post Inc
Owner 2	
Mailing Address	2718 Liberty ST N
City, State Zip	Winston-Salem NC 27105-4438

Mobile Maps and Information

Disclaimer: The values and information provided on this property record card are based upon the best available information on 01/01/2013. This information is subject to change because of changes to the property, correction of existing information, additional information, or as the result of an appeal of the property.

Parcel Information	
Block/Lot	**Neighborhood**
1160 015	633866

Last 2 Recordations Available				
Sale Date	**Estate**	**Stamps**	**Sale Price**	**Book/Page**
2/18/2009		2	$1,000	2874/993
4/23/2004		0	$0	2463/3993

Assessed Values All Cards			
Total Land Value	**Total Buildings Value**	**Total Misc Imp Value**	**Total Assessed Value**
$6,000	$32,248	$0	$38,200

Road/Topography/Utilities		
Roads	**Topography**	**Utilities**
Curb & Gutter, RoadPubPaved	High	City Water, Gas, Sewer

Land Valuation													
Type	**Zoning**	**Acres**	**SqFt**	**Rate**	**Ut**	**Size**	**LC**	**RF**	**TO**	**SH**	**AC**	**EZ**	**Value**
RL	RS7	0	0	6,000	1	1	1	1	1	1	1	1	$6,000

Total SqFt	Total Acres	Total Value
0	0	$6,000

Building Detail
Forsyth County considers all standard approaches to value. The assessed value on this building was determined based upon the **Cost Approach**.

Detail Appraisal Report - Residential **Bldg: 1 of 1**

pdfcrowd.com

Improvement Detail											
Construction	Story	Style	Yr. Blt	Liv Area SqFt	Bsmt SqFt	Attic SqFt	Fin Attic SqFt	Bedrooms	Full Baths	Half Baths	Total Rms
Frame	1	Conventional	1947	1,092	546	437	437	5	1	1	7

Heat	AC	Occupancy	Roof	Roof Cover	Ext Walls	Foundation
Forced Warm Air		Single Family	Gable	Asphalt Shingle	Aluminum	Masonry

Area Detail		
Type	Description	SqFt
FDP	Frame Deck Poor	12
BAS	Base	1,092
OFP	Open Frame Porch	144
STP	Stoop	12

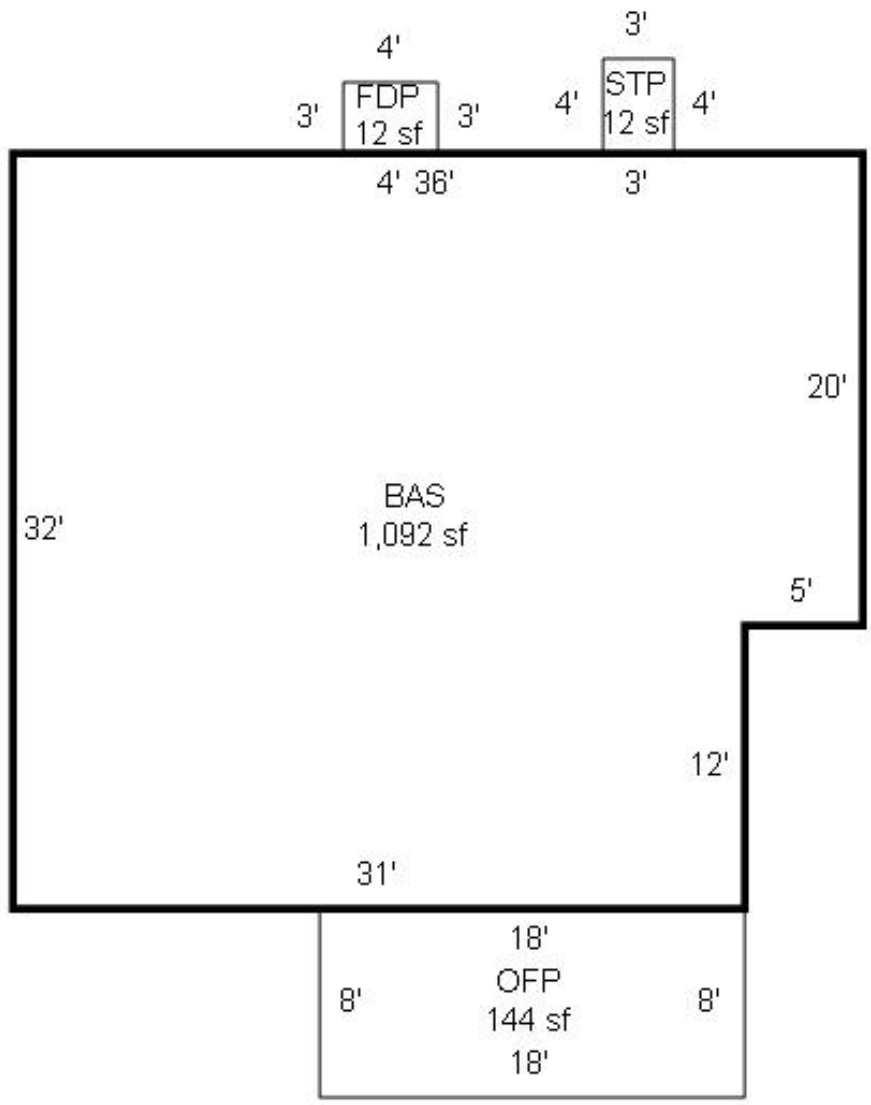
Detail Appraisal Report - Residential Bldg: 1 of 1

Building Image

1160 015 01 03/28/2007

pdfcrowd.com

Building Sketch



Detail Appraisal Report - Residential Bldg: 1 of 1

Cost Approach				
Area	Units	Percent of Base	Rate	Value
Frame Deck Poor	12	0.2	68.5	$164
Base	1092	1.0358	68.5	$77,479
Open Frame Porch	144	0.37	68.5	$3,649
Stoop	12	0.33	68.5	$271

Residential Cost Details		
Detail	Number/Type	Value
Plus Bath:	0	$2,000
Heat:	Forced Warm Air	$0
AC:		$0
Fireplace:	1	$1,200
Basement:	546	$7,480
Basement Finish:	0	$0
Garage Doors:	0	$0
Attic:	437	$2,993
Attic Finish:	437	$10,776

pdfcrowd.com

Built-in Detail	Number
Jenn-Aire:	0
Elevator:	0
Microwave:	0
Vacuum System:	0
Alarm System:	0
Radio Intercom:	0
Total Built-in Value:	$0.00

Base Value	Grade	Replacement Cost New	Depreciation	Economic/Functional	Depreciated Value
$106,012.00	C-10 90% $106,012.00	$95,410.80	48% ($45,797.18)	35% ($17,364.77)	$32,248.00

Taxing Jurisdictions	
Jurisidiction	Fire District
Winston-Salem 100%	FD

pdfcrowd.com

APPENDIX D

SAMPLE FORMS

AIR SAMPLING RECORD
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NC

SAMPLE ADDRESS: 2403 GLENN AVENUE, WINSTON-SALEM, NC

SAMPLE LOCATION: Eastern crawlspace

SAMPLE I.D.: 2403 Glenn-CS-1

COMMENTS: Sample collected from center of crawlspace. Vacuum gauge read 0.0" Hg upon sample collection on 4-29-16 at 0903.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1159.

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 1627 SIM REGULATOR NO.: 77

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 28.5

SAMPLE HEIGHT ABOVE FLOOR: 20 inches (summa can on ground surface in crawlspace)

AIR TEMPERATURE (deg. F): 70 BAR. PRESS. (in. Hg): 29.95 HUMIDITY (%): 75

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 0903

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 0.0

AIR TEMPERATURE (deg. F): 61 BAR. PRESS. (in. Hg): 30.06 HUMIDITY (%): 85

SAMPLE LOCATION: Western crawlspace

SAMPLE I.D.: 2403 Glenn-CS-2

COMMENTS: Collected from center of crawlspace. Original summa canister deployed on 4-28-16 at 1203, but vacuum gauge read 0.0" Hg after approximately 1.75 hours. Deployed new summa canister and regulator on 4-28-16 at 1348.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1348

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 711 SIM REGULATOR NO.: 296

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 30.0

SAMPLE HEIGHT ABOVE FLOOR: 20 inches (summa can on ground surface in crawlspace)

AIR TEMPERATURE (deg. F): 78 BAR. PRESS. (in. Hg): 29.91 HUMIDITY (%): 60

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 1245

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 13.0

AIR TEMPERATURE (deg. F): 78 BAR. PRESS. (in. Hg): 30.00 HUMIDITY (%): 35

AIR SAMPLING RECORD
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NC

SAMPLE ADDRESS: 2403 GLENN AVENUE, WINSTON-SALEM, NC (CONTINUED)

SAMPLE LOCATION: Basement

SAMPLE I.D.: 2403 Glenn-BAS-1

COMMENTS: Sample collected next to floor drain in center of basement.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1201

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 1401 SIM REGULATOR NO.: 255

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 28.5

SAMPLE HEIGHT ABOVE FLOOR: 20 inches (summa can on basement floor)

AIR TEMPERATURE (deg. F): 73 BAR. PRESS. (in. Hg): 29.95 HUMIDITY (%): 70

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 1051

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 8.0

AIR TEMPERATURE (deg. F): 73 BAR. PRESS. (in. Hg): 30.00 HUMIDITY (%): 55

SAMPLE LOCATION: Main floor living space

SAMPLE I.D.: 2403 Glenn-LS-1

COMMENTS: Northwest corner of living room.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1149

SAMPLER TYPE: 6-L stainless steel summa canister with 3-hour sampling regulator.

SUMMA CAN NO.: 43 SIM REGULATOR NO.: 1407

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 29.0

SAMPLE HEIGHT ABOVE FLOOR: 36 inches

AIR TEMPERATURE (deg. F): 70 BAR. PRESS. (in. Hg): 29.95 HUMIDITY (%): 75

AIR SAMPLING STOP DATE / TIME: 4-28-16 / 1430

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 8.0

AIR TEMPERATURE (deg. F): 78 BAR. PRESS. (in. Hg): 29.88 HUMIDITY (%): 55

SAMPLE LOCATION: Main floor living space (duplicate)

SAMPLE I.D.: 2403 Glenn-LS-1 dup

COMMENTS: Ditto above.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1149

SAMPLER TYPE: 6-L stainless steel summa canister with 3-hour sampling regulator.

SUMMA CAN NO.: 28 SIM REGULATOR NO.: 1411

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 30.0

SAMPLE HEIGHT ABOVE FLOOR: 36 inches

AIR TEMPERATURE (deg. F): 70 BAR. PRESS. (in. Hg): 29.95 HUMIDITY (%): 75

AIR SAMPLING STOP DATE / TIME: 4-28-16 / 1430

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 9.5

AIR TEMPERATURE (deg. F): 78 BAR. PRESS. (in. Hg): 29.88 HUMIDITY (%): 55

AIR SAMPLING RECORD
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NC

SAMPLE ADDRESS: 2403 GLENN AVENUE, WINSTON-SALEM, NC (CONTINUED)

SAMPLE LOCATION: Background outdoor air

SAMPLE I.D.: Outdoor Air

COMMENTS: Summa can suspended from chain-link fence along southern side of residence at 2403 Glenn Avenue. Wind from SE at 5 mph at sample start. Wind from ESE at 5 mph at sample stop.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1045

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 29 SIM REGULATOR NO.: 651

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 29.5

SAMPLE HEIGHT ABOVE GROUND: 54 inches.

AIR TEMPERATURE (deg. F): 69 BAR. PRESS. (in. Hg): 29.95 HUMIDITY (%): 80

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 1047

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 6.0

AIR TEMPERATURE (deg. F): 73 BAR. PRESS. (in. Hg): 30.00 HUMIDITY (%): 55

AIR SAMPLING RECORD
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NC

SAMPLE ADDRESS: 2412 IVY AVENUE, WINSTON-SALEM, NC

SAMPLE LOCATION: Crawlspace

SAMPLE I.D.: 2412 Ivy-CS-1

COMMENTS: Sample collected from center of crawlspace.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1129.

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 766 SIM REGULATOR NO.: 110

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 25.0

SAMPLE HEIGHT ABOVE FLOOR: 20 inches (summa can on ground surface in crawlspace)

AIR TEMPERATURE (deg. F): 70 BAR. PRESS. (in. Hg): 29.95 HUMIDITY (%): 75

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 1025

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 5.0

AIR TEMPERATURE (deg. F): 73 BAR. PRESS. (in. Hg): 30.00 HUMIDITY (%): 55

SAMPLE LOCATION: Crawlspace (duplicate)

SAMPLE I.D.: 2412 Ivy-CS-1 dup

COMMENTS: Ditto above.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1129.

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 631 SIM REGULATOR NO.: 198

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 27.5

SAMPLE HEIGHT ABOVE FLOOR: 20 inches (summa can on ground surface in crawlspace)

AIR TEMPERATURE (deg. F): 70 BAR. PRESS. (in. Hg): 29.95 HUMIDITY (%): 75

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 1025

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 7.0

AIR TEMPERATURE (deg. F): 73 BAR. PRESS. (in. Hg): 30.00 HUMIDITY (%): 55

SAMPLE LOCATION: Basement

SAMPLE I.D.: 2412 Ivy-BAS-1

COMMENTS: Sample collected next to floor sump in southeast corner of basement.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1128

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 34 SIM REGULATOR NO.: 246

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 28.0

SAMPLE HEIGHT ABOVE FLOOR: 20 inches (summa can on basement floor).

AIR TEMPERATURE (deg. F): 70 BAR. PRESS. (in. Hg): 29.95 HUMIDITY (%): 75

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 1029

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 7.0

AIR TEMPERATURE (deg. F): 73 BAR. PRESS. (in. Hg): 30.00 HUMIDITY (%): 55

AIR SAMPLING RECORD
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NC

SAMPLE ADDRESS: 2412 IVY AVENUE, WINSTON-SALEM, NC (CONTINUED)

SAMPLE LOCATION: Main floor living space

SAMPLE I.D.: 2412 Ivy-LS-1

COMMENTS: Northeast corner of living room on side table.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1125

SAMPLER TYPE: 6-L stainless steel summa canister with 3-hour sampling regulator.

SUMMA CAN NO.: 31 SIM REGULATOR NO.: 131

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 30.0

SAMPLE HEIGHT ABOVE FLOOR: 41 inches

AIR TEMPERATURE (deg. F): 70 BAR. PRESS. (in. Hg): 29.95 HUMIDITY (%): 75

AIR SAMPLING STOP DATE / TIME: 4-28-16 / 1415

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 8.0

AIR TEMPERATURE (deg. F): 78 BAR. PRESS. (in. Hg): 29.88 HUMIDITY (%): 55

AIR SAMPLING RECORD
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NC

SAMPLE ADDRESS: 2420 IVY AVENUE, WINSTON-SALEM, NC

SAMPLE LOCATION: Crawlspace

SAMPLE I.D.: 2420 Ivy-CS-1

COMMENTS: 5/32" I.D. teflon sample-inlet tubing set approximately 10 ft into crawlspace using PVC pipe.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1300

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 44 SIM REGULATOR NO.: 250

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 29.0

SAMPLE HEIGHT ABOVE FLOOR: 20 inches (summa can on ground surface in crawlspace)

AIR TEMPERATURE (deg. F): 78 BAR. PRESS. (in. Hg): 29.91 HUMIDITY (%): 60

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 1110

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 5.0

AIR TEMPERATURE (deg. F): 74 BAR. PRESS. (in. Hg): 30.00 HUMIDITY (%): 55

SAMPLE LOCATION: Basement

SAMPLE I.D.: 2420 Ivy-BAS-1

COMMENTS: Sample collected next to floor sump in southeast corner of basement.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1254

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 760 SIM REGULATOR NO.: 7

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 27.5

SAMPLE HEIGHT ABOVE FLOOR: 20 inches (summa can on basement floor)

AIR TEMPERATURE (deg. F): 78 BAR. PRESS. (in. Hg): 29.91 HUMIDITY (%): 60

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 1104

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 5.5

AIR TEMPERATURE (deg. F): 74 BAR. PRESS. (in. Hg): 30.00 HUMIDITY (%): 55

SAMPLE LOCATION: Basement (duplicate)

SAMPLE I.D.: 24320 Ivy-BAS-1 dup

COMMENTS: Ditto above.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1254

SAMPLER TYPE: 6-L stainless steel summa canister with 24-hour sampling regulator.

SUMMA CAN NO.: 1595 SIM REGULATOR NO.: 548

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 28.5

SAMPLE HEIGHT ABOVE FLOOR: 20 inches (summa can on basement floor).

AIR TEMPERATURE (deg. F): 78 BAR. PRESS. (in. Hg): 29.91 HUMIDITY (%): 60

AIR SAMPLING STOP DATE / TIME: 4-29-16 / 1104

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 7.0

AIR TEMPERATURE (deg. F): 74 BAR. PRESS. (in. Hg): 30.00 HUMIDITY (%): 55

AIR SAMPLING RECORD
KABA ILCO CORP.
2941 INDIANA AVENUE, WINSTON-SALEM, NC

SAMPLE ADDRESS: 2420 IVY AVENUE, WINSTON-SALEM, NC (CONTINUED)

SAMPLE LOCATION: Main floor living space

SAMPLE I.D.: 2420 Ivy-LS-1

COMMENTS: Western side of living room on children's play/activity table.

AIR SAMPLING START DATE / TIME: 4-28-16 / 1252

SAMPLER TYPE: 6-L stainless steel summa canister with 3-hour sampling regulator.

SUMMA CAN NO.: 674 SIM REGULATOR NO.: 638

SUMMA CANISTER VACUUM READING AT SAMPLE START (in. Hg): 28.0

SAMPLE HEIGHT ABOVE FLOOR: 41 inches

AIR TEMPERATURE (deg. F): 78 BAR. PRESS. (in. Hg): 29.91_ HUMIDITY (%): 60

AIR SAMPLING STOP DATE / TIME: 4-28-16 / 1515

SUMMA CANISTER VACUUM READING AT SAMPLE STOP (in. Hg): 8.0

AIR TEMPERATURE (deg. F): 81 BAR. PRESS. (in. Hg): 29.85 HUMIDITY (%): 50

APPENDIX E

LABORATORY REPORTS

ANALYTICAL REPORT

May 09, 2016

Piedmont Geologic

Sample Delivery Group:	L832747
Samples Received:	04/30/2016
Project Number:	1623
Description:	Kaba WS - VI Assessment
Site:	WINSTON-SALEM, NC
Report To:	Pete Dressel 6003 Chapel Hill Rd Ste 145 Raleigh, NC 27607

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

2403 GLENN-BAS-1 L832747-01 5

2403 GLENN-CS-1 L832747-02 6

2403 GLENN-CS-2 L832747-03 7

[6]Qc: Quality Control Summary 8

Volatile Organic Compounds (MS) by Method TO-15 8

[7]Gl: Glossary of Terms 9

[8]Al: Accreditations & Locations 10

[9]Sc: Chain of Custody 11

2403 GLENN-BAS-1 L832747-01 Air

Collected by: Jonathan Murphrey
Collected date/time: 04/29/16 10:51
Received date/time: 04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG869996	1	05/05/16 15:30	05/05/16 15:30	SNH

2403 GLENN-CS-1 L832747-02 Air

Collected by: Jonathan Murphrey
Collected date/time: 04/29/16 09:03
Received date/time: 04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG869996	1	05/05/16 16:13	05/05/16 16:13	SNH

2403 GLENN-CS-2 L832747-03 Air

Collected by: Jonathan Murphrey
Collected date/time: 04/29/16 12:45
Received date/time: 04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG869996	1	05/05/16 17:08	05/05/16 17:08	SNH

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.103	0.697		1	WG869996
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG869996
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*118*				WG869996

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.149	1.01		1	WG869996
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG869996
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*114*				WG869996

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.0448	0.304		1	WG869996
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG869996
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*128*				WG869996

Method Blank (MB)

(MB) R3134067-3 05/05/16 03:32

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Tetrachloroethylene	U		0.00457	0.0200
Trichloroethylene	U		0.00736	0.0200
(S) 1,4-Bromofluorobenzene	*94.5*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3134067-1 05/05/16 02:11 • (LCSD) R3134067-2 05/05/16 02:52

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethylene	0.500	0.497	0.505	99.4	101	70.0-130			1.70	25
Trichloroethylene	0.500	0.494	0.502	98.7	100	70.0-130			1.72	25
(S) 1,4-Bromofluorobenzene				*102*	*101*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

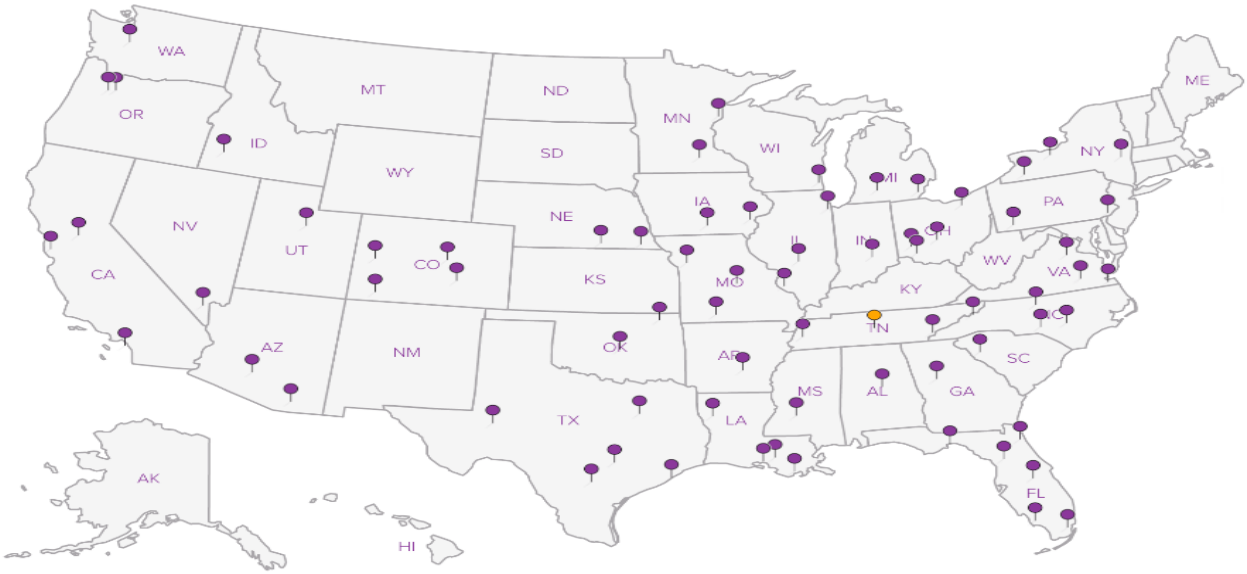
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Chain of Custody Page 1 of 1

ESC LAB SCIENCES

YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L832747

A190

Company Name/Address:
Piedmont Geologic
6003 Chapel Hill Road
Ste 145
Raleigh, NC 27607

Billing Information:
Accounts Payable
6003 Chapel Hill Rd Ste 145

Report to: Pete Dressel

Email To: pjdressel@piedmontgeologic.com

Project Description: Kaba WS - VI Assessment

City/State Collected: Winston-Salem, NC

Phone: 919-854-9700
Fax: 919-854-9532

Client Project # 1623

Lab Project # PIEGEO-KABASIMAIR

Collected by (print): Jonathan Murphrey

Site/Facility ID # WINSTON-SALEM, NC

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ✓ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15SIM Summa	Rem./Contaminant	Sample # (lab only)
2403 GLENN-LS-1	Comp	Air		4/28/16	1430	1	X		~~01~~ JW
2403 GLENN-LS-1 dup	Comp	Air		↓	1430	1	X		~~02~~ JW
2403 GLENN-BAS-1	Comp	Air		4/29/16	1051	1	X		01
2403 GLENN-CS-1	Comp	Air		↓	903	1	X		02
2403 GLENN-CS-2	Comp	Air		↓	1245	1	X		03

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: **PCE and TCE only. Hold analysis of LS-1 and LS-1 dup pending report of remaining results.**

pH _____ Temp _____
Flow _____ Other _____

Hold #

Condition: (lab use only) JW7 OK

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature]	4/29/16	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: Amb °C Bottles Received: 5

Date: 4/30/16 Time: 900

ANALYTICAL REPORT

May 06, 2016

Piedmont Geologic

Sample Delivery Group:	L832745
Samples Received:	04/30/2016
Project Number:	1623
Description:	Kaba WS - VI Assessment
Site:	WINSTON-SALEM, NC
Report To:	Pete Dressel 6003 Chapel Hill Rd Ste 145 Raleigh, NC 27607

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

2412 IVY-BAS-1 L832745-01 5

2412 IVY-CS-1 L832745-02 6

2412 IVY-CS-1 DUP L832745-03 7

[6]Qc: Quality Control Summary 8

Volatile Organic Compounds (MS) by Method TO-15 8

[7]Gl: Glossary of Terms 9

[8]Al: Accreditations & Locations 10

[9]Sc: Chain of Custody 11

2412 IVY-BAS-1 L832745-01 Air

Collected by: Jonathan Murphrey | Collected date/time: 04/29/16 10:29 | Received date/time: 04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG870402	1	05/05/16 20:57	05/05/16 20:57	SNH

2412 IVY-CS-1 L832745-02 Air

Collected by: Jonathan Murphrey | Collected date/time: 04/29/16 10:25 | Received date/time: 04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG870402	1	05/05/16 21:39	05/05/16 21:39	SNH

2412 IVY-CS-1 DUP L832745-03 Air

Collected by: Jonathan Murphrey | Collected date/time: 04/29/16 10:25 | Received date/time: 04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG870402	1	05/05/16 22:23	05/05/16 22:23	SNH

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.677	4.60		1	WG870402
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG870402
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*107*				WG870402

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.416	2.82		1	WG870402
Trichloroethylene	79-01-6	131	0.0200	0.107	0.0744	0.399		1	WG870402
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*115*				WG870402

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.467	3.17		1	WG870402
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG870402
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*115*				WG870402

Method Blank (MB)

(MB) R3134325-3 05/05/16 20:13

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Tetrachloroethylene	U		0.00457	0.0200
Trichloroethylene	U		0.00736	0.0200
(S) 1,4-Bromofluorobenzene	*97.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3134325-1 05/05/16 18:52 • (LCSD) R3134325-2 05/05/16 19:33

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethylene	0.500	0.497	0.516	99.4	103	70.0-130			3.73	25
Trichloroethylene	0.500	0.497	0.517	99.3	103	70.0-130			3.94	25
(S) 1,4-Bromofluorobenzene				*102*	*104*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

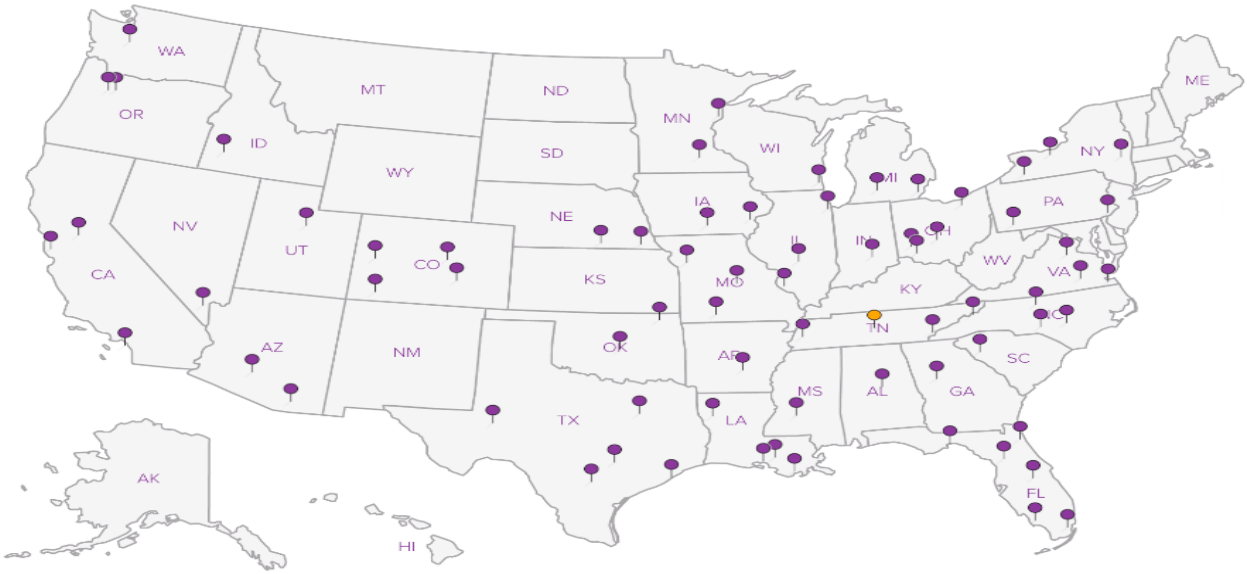
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Company Name/Address:
Piedmont Geologic
6003 Chapel Hill Road
Ste 145
Raleigh, NC 27607

Billing Information:
Accounts Payable
6003 Chapel Hill Rd Ste 145

Report to: **Pete Dressel**

Email To: **pjdressel@piedmontgeologic.com**

Project Description: Kaba WS - VI Assessment

City/State Collected: Winston-Salem, NC

Phone: **919-854-9700**
Fax: **919-854-9532**

Client Project # 1623

Lab Project # **PIEGEO-KABASIMAIR**

Collected by (print): Jonathan Murphrey

Site/Facility ID # **WINSTON-SALEM, NC**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ✓ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

ESC LABS
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L832745

A189

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15SIM Summa	Rem./Contaminant	Sample # (lab only)
2412 IVY-LS-1	Comp	Air		4/28/16	1415	1	X		
2412 IVY-BAS-1	Comp	Air		4/29/16	1029	1	X		-01
2412 IVY-CS-1	Comp	Air		↓	1025	1	X		02
2412 IVY-CS-1 DUP	Comp	Air		↓	1025	1	X		03

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks: **PCE and TCE only. Hold analysis of LS-1 pending report of remaining results.**

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4/29/16	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: Amb °C Bottles Received: 4

Date: 4/30/16 Time: 900

Condition: (lab use only) JW1 (OK)

COC Seal Intact: ____Y ____N ____NA

pH Checked: NCF:

ANALYTICAL REPORT

May 06, 2016

Piedmont Geologic

Sample Delivery Group:	L832741
Samples Received:	04/30/2016
Project Number:	1623
Description:	Kaba WS - VI Assessment
Site:	WINSTON-SALEM, NC
Report To:	Pete Dressel 6003 Chapel Hill Rd Ste 145 Raleigh, NC 27607

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

2420 IVY-BAS-1 L832741-01 5

2420 IVY-BAS-1 DUP L832741-02 6

2420 IVY-CS-1 L832741-03 7

[6]Qc: Quality Control Summary 8

Volatile Organic Compounds (MS) by Method TO-15 8

[7]Gl: Glossary of Terms 9

[8]Al: Accreditations & Locations 10

[9]Sc: Chain of Custody 11

2420 IVY-BAS-1 L832741-01 Air

Collected by: Jonathan Murphrey | Collected date/time: 04/29/16 11:04 | Received date/time: 04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG870402	1	05/05/16 23:06	05/05/16 23:06	SNH

2420 IVY-BAS-1 DUP L832741-02 Air

Collected by: Jonathan Murphrey | Collected date/time: 04/29/16 11:04 | Received date/time: 04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG870402	1	05/05/16 23:50	05/05/16 23:50	SNH

2420 IVY-CS-1 L832741-03 Air

Collected by: Jonathan Murphrey | Collected date/time: 04/29/16 11:10 | Received date/time: 04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG870402	1	05/06/16 00:33	05/06/16 00:33	SNH

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.0776	0.527		1	WG870402
Trichloroethylene	79-01-6	131	0.0200	0.107	0.0373	0.200		1	WG870402
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*107*				WG870402

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.0577	0.392		1	WG870402
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG870402
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*111*				WG870402

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.0370	0.251		1	WG870402
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG870402
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*120*				WG870402

Method Blank (MB)

(MB) R3134325-3 05/05/16 20:13

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Tetrachloroethylene	U		0.00457	0.0200
Trichloroethylene	U		0.00736	0.0200
(S) 1,4-Bromofluorobenzene	*97.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3134325-1 05/05/16 18:52 • (LCSD) R3134325-2 05/05/16 19:33

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethylene	0.500	0.497	0.516	99.4	103	70.0-130			3.73	25
Trichloroethylene	0.500	0.497	0.517	99.3	103	70.0-130			3.94	25
(S) 1,4-Bromofluorobenzene				*102*	*104*	*60.0-140*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

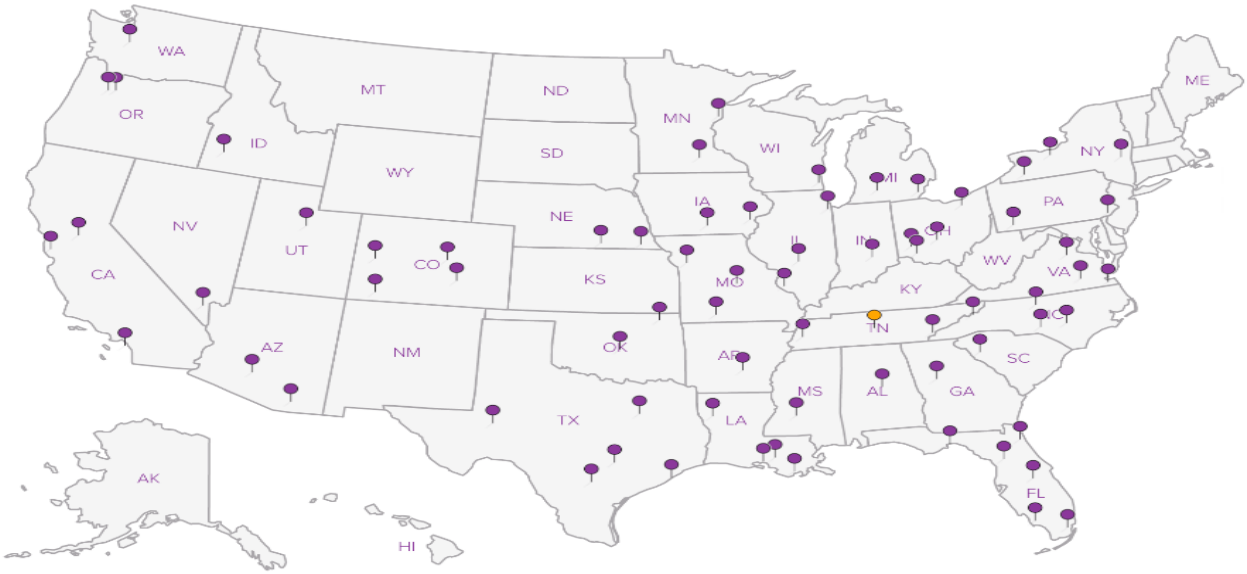
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Company Name/Address:
Piedmont Geologic
6003 Chapel Hill Road
Ste 145
Raleigh, NC 27607

Billing Information:
Accounts Payable
6003 Chapel Hill Rd Ste 145

Report to: **Pete Dressel**

Email To: **pjdressel@piedmontgeologic.com**

Project Description: Kaba WS - VI Assessment

City/State Collected: Winston-Salem, NC

Phone: **919-854-9700**
Fax: **919-854-9532**

Client Project # 1623

Lab Project # **PIEGEO-KABASIMAIR**

Collected by (print): Jonathan Murphrey

Site/Facility ID # **WINSTON-SALEM, NC**

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ✓ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L832741

T A188

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15SIM Summa										Rem./Contaminant	Sample # (lab only)
2420 IVY-LS-1	Comp	Air		4/28/16	1515	1	X											
2420 IVY-BAS-1	Comp	Air		4/29/16	1104	1	X											-01
2420 IVY-BAS-1 DUP	Comp	Air		↓	1104	1	X											02
2420 IVY-CS-1	Comp	Air		↓	1110	1	X											03

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____

Remarks: **PCE and TCE only. Hold analysis of LS-1 pending report of remaining results.**

Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only) JW7 OK
[signature]	4/29/16	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: AMB °C Bottles Received: 4	COC Seal Intact: ____Y ____N ____NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/30/16 Time: 900	pH Checked: NCF:

ANALYTICAL REPORT

May 06, 2016

Piedmont Geologic

Sample Delivery Group:	L832748
Samples Received:	04/30/2016
Project Number:	1623
Description:	Kaba WS - VI Assessment
Site:	WINSTON-SALEM, NC
Report To:	Pete Dressel 6003 Chapel Hill Rd Ste 145 Raleigh, NC 27607

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

OUTDOOR AIR L832748-01 5

[6]Qc: Quality Control Summary 6

Volatile Organic Compounds (MS) by Method TO-15 6

[7]Gl: Glossary of Terms 7

[8]Al: Accreditations & Locations 8

[9]Sc: Chain of Custody 9

OUTDOOR AIR L832748-01 Air

Collected by	Collected date/time	Received date/time
Jonathan Murphrey	04/29/16 10:47	04/30/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG870402	1	05/06/16 01:17	05/06/16 01:17	SNH

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford

Brian Ford
Technical Service Representative

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.0245	0.166		1	WG870402
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG870402
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*107*				WG870402

Method Blank (MB)

(MB) R3134325-3 05/05/16 20:13

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Tetrachloroethylene	U		0.00457	0.0200
Trichloroethylene	U		0.00736	0.0200
(S) 1,4-Bromofluorobenzene	*97.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3134325-1 05/05/16 18:52 • (LCSD) R3134325-2 05/05/16 19:33

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethylene	0.500	0.497	0.516	99.4	103	70.0-130			3.73	25
Trichloroethylene	0.500	0.497	0.517	99.3	103	70.0-130			3.94	25
(S) 1,4-Bromofluorobenzene				*102*	*104*	*60.0-140*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

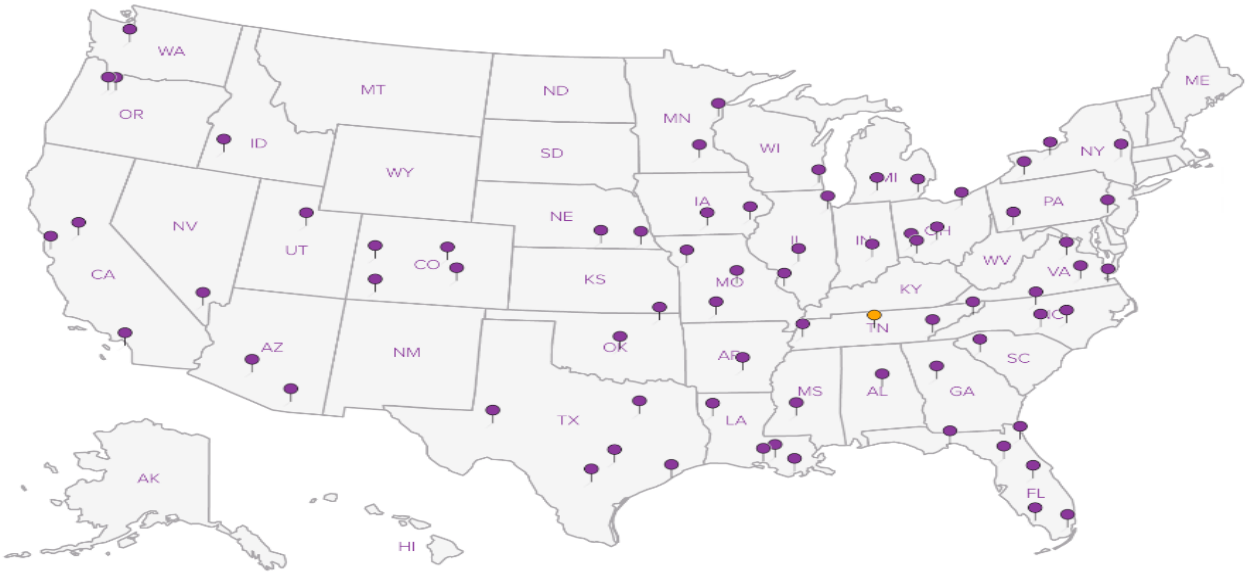
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Company Name/Address:
Piedmont Geologic
6003 Chapel Hill Road
Ste 145
Raleigh, NC 27607

Billing Information:
Accounts Payable
6003 Chapel Hill Rd Ste 145

Report to: **Pete Dressel**

Email To: **pjdressel@piedmontgeologic.com**

Project Description: Kaba WS - VI Assessment

City/State Collected: Winston-Salem, NC

Phone: **919-854-9700**
Fax: **919-854-9532**

Client Project # 1623

Lab Project # **PIEGEO-KABASIMAIR**

Collected by (print): Jonathan Murphrey

Site/Facility ID # **WINSTON-SALEM, NC**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ✓ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 2832748

A191

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15SIM Summa	Rem./Contaminant	Sample # (lab only)
OUTDOOR AIR	Comp	Air		4/29/16	1047	1	X		-01

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks: **PCE and TCE only.**

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only) OK
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: Amb °C Bottles Received: 1	COC Seal Intact: ____Y ____N ____NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/30/16 Time: 900	pH Checked: NCF:

Relinquished by : (Signature): 4/29/16 1600