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NCDENR MRO IHSB

PHILIPS

Michael L. Manning
Vice President Head of Lighting Legal US
Philips Lighting North America
3 Burlington Woods, 3rd Floor
Burlington, MA 01803

Phone: 781-418-7913
Fax: 781-418-7988

December 1, 2011

Mr. Bruce Parris,
Supervisor, IHSB Western Region,
NCDENR, Mooresville Regional Office
610 East Center Avenue, Suite 301
Mooresville, NC 28115

RE: Notification of a Newly-Identified Inactive Hazardous Substance Site
Ardee/Translite, Cleveland County, Shelby, North Carolina

Dear Mr. Parris:

I have enclosed the completed form entitled "Notification of an Inactive Hazardous Substance or Waste Disposal Site." The form was completed in response to our recent (September 2011) receipt of laboratory analytical data indicating the presence of several constituents in groundwater at the above-referenced site, at concentrations exceeding the North Carolina 2L groundwater standards. Attached to this transmittal letter is a copy of the September 26, 2011 email received from Mr. Colin Day of the NCDENR Winston Salem Regional Office. Mr. Day indicated that the attached form should be transmitted to you within 90 days from the date of that email.

Summarized on the next page are the maximum constituent concentrations detected, compared with the respective 2L groundwater standard for the four constituents exceeding the standards. As indicated, the maximum concentrations of three of those constituents only slightly exceed the 2L standard: 1,2-dichloroethane at 2.0J ug/L (2L standard of 0.4 ug/L); tetrachloroethene at 19 ug/L (2L standard of 0.7 ug/L), and trichloroethene at 5.5 ug/L (2L standard of 3 ug/L). The only constituent with a relatively greater exceedence of the current 2L standard was 1,1-dichloroethene at 250 ug/L (2L standard of 7 ug/L). We note, however, that recent NCDENR website notices indicate that there is a move to raise the 2L standard for 1,1-DCE to 350 ug/L. The maximum detected concentration on site would not exceed this revised standard. Excerpts from NCDENR web site pertaining to the impending change in the standard are attached as the last page of this transmittal letter. Groundwater from the two temporary wells nearest the property line had no VOCs detected.

Based on the email from Mr. Day, we understand that NCDENR will assign a project manager for this site, who will be in contact with us in the future. Thank you for your assistance. We will await your communications.

Very truly yours,

Michael L. Manning

Summary of VOC (Laboratory) Groundwater Results - Samples Collected on August 25-26, 2011

Temporary Well ID	Groundwater sample ID and well screen depth	Concentrations of Detected VOCs (µg/L)	North Carolina 2L Groundwater Standard (µg/L)	Exceeds the 2L Standard?
TW-1	TW-1, 22 – 27 feet bgs, TW-1MS, TW-1MSD (QA/QC samples)	chloromethane (methyl chloride) (0.51J)	3	No
TW-2	TW-2, 27 – 37 feet bgs	Benzene (0.26J); chloroform (13); 1,1-DCA (4.4J); **1,2-DCA (2.0J);** **1,1-DCE (250);** cis-1,2-DCE (1.2J), **PCE (19);** 1,1,1-TCA (0.36J); **TCE (5.5);**	1 70 6 **0.4** **7** 70 **0.7** 200 **3**	No No No **Yes** **Yes** No **Yes** No **Yes**
TW-3	TW-3, 22 - 25 feet bgs	**PCE (6.0);**	**0.7**	**Yes**
TW-4	Well dry, not sampled	No sample collected for lab analysis		
TW-5	TW-5, 15 - 21 feet bgs	No VOCs detected		

Notes:
Bold – Indicates exceedence of the 2L standard
µg/L – micrograms per liter
bgs – below ground surface
J – estimated concentration, less than practical quantitation limit (PQL) but greater than or equal to method detection limit (MDL)
DCA – dichloroethane
DCE – dichloroethene
PCE – tetrachloroethene (perchloroethene)
TCA – trichloroethane
TCE – trichloroethene

EMAIL OF SEPTEMBER 26, 2011 FROM MR. COLIN DAY, NCDENR

From: Day, Collin [mailto:collin.day@ncdenr.gov]
Sent: Monday, September 26, 2011 11:48 AM
To: Oliphant, Dave
Subject: New Site Notification-PCE Discovery in Cleveland County

Dave:

Please find the attached notification form. As your site is a new one, located in Cleveland County and just discovered with PCE contamination from an above ground storage tank, the DWM-Superfund IHSB will have jurisdiction over it. Please send the attached notification form to Mr. Bruce Parris who is the supervisor for the IHSB Western Region. He will assign a project manager from either the Mooresville Regional Office or the Winston-Salem Regional Office. The assigned manager will send out a new site letter to your client who will then be required to submit a Site Cleanup Questionnaire to the IHSB to assist in determining whether the site will be a priority or a REC eligible one.

Please submit the attached notification form in both pdf and hardcopy to Mr. Parris within ninety days.

Collin Day
Hydrogeologist
NC DENR Winston-Salem Regional Office
Division of Waste Management, Superfund Section-IHSB
585 Waughtown Street
Winston-Salem, NC 27107
Voice: (336) 771-5281
FAX: (336) 771-4632

EXCERPTS FOR NCDENR WEB SITE REGARDING UPCOMING CHANGE IN THE 2L STANDARD FOR 1,1-DCE

"NEW Rhodia (1,1-Dichloroethylene) Rulemaking Petition

On July 14, 2011, the Environmental Management Commission directed the Division of Water Quality to initiate rulemaking to amend the groundwater quality standard in Title 15A NCAC 02L .0202(g)(59) for 1,1-dicholoroethylene from 7ug/L to 350ug/L based on a rulemaking petition submitted on behalf of Rhodia, Inc. (Rhodia Option 1) and to amend 15A NCAC 02L .0202 (DWQ Option 2) and 15A NCAC 02L .0113 (variance procedures) as provided by DWQ. In addition, the EMC directed DWQ to initiate rulemaking to amend 15A NCAC 02I .0501 (petitioning procedures)...."

Source: portal.ncdenr.org/web/wq/ps/csu/gwstandards

Parris, Bruce

From: Oliphant, Dave [DAVE.OLIPHANT@aecom.com]
Sent: Friday, December 02, 2011 12:31 PM
To: Parris, Bruce
Cc: Day, Collin; Overgord, Jesse; Oliphant, Dave
Subject: RE: New Site Notification-PCE Discovery in Cleveland County
Attachments: 2011.12.01.Notification Form.NCDENR.North Carolina.pdf; 2011.12.01.Notification Letter.NCDENR.North Carolina.pdf

Dear Mr. Parris,

Attached please find the signed and notarized notification form and a transmittal letter, both in pdf format, for a new site in Cleveland County. A hard copy is being sent to you via Federal Express for arrival on Monday, December 5, at the request of Mr. Colin Day as indicated below.

If you have any questions, please feel free to contact me via email or phone (864-380-6950) or reply to all addresses above. The Site Cleanup Questionnaire referenced below can be emailed to me also, and I will pass on.

Thank you.

Dave Oliphant
AECOM (a NC REC and consultant for Ardee/Translite)
864-380-6950
Dave.oliphant@aecom.com

From: Day, Collin [mailto:collin.day@ncdenr.gov]
Sent: Monday, September 26, 2011 11:48 AM
To: Oliphant, Dave
Subject: New Site Notification-PCE Discovery in Cleveland County

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Please find the attached notification form. As your site is a new one, located in Cleveland County and just discovered with PCE contamination from an above ground storage tank, the DWM-Superfund IHSB will have jurisdiction over it. Please send the attached notification form to Mr. Bruce Parris who is the supervisor for the IHSB Western Region. He will assign a project manager from either the Mooresville Regional Office or the Winston-Salem Regional Office. The assigned manager will send out a new site letter to your client who will then be required to submit a Site Cleanup Questionnaire to the IHSB to assist in determining whether the site will be a priority or a REC eligible one.

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Collin Day
Hydrogeologist
NC DENR Winston-Salem Regional Office
Division of Waste Management, Superfund Section-IHSB
585 Waughtown Street
Winston-Salem, NC 27107
Voice: (336) 771-5281
FAX: (336) 771-4632

North Carolina Department of Environment and Natural Resources
Division of Waste Management
Superfund Section
Inactive Hazardous Sites Branch

NCDENR

NOTIFICATION OF AN INACTIVE HAZARDOUS SUBSTANCE OR WASTE DISPOSAL SITE

Please read instructions before completing and type or print in black ink.

I. SITE NAME AND LOCATION:

Site Name (one site per form) Ardee/Translite
Location (street address) 639 Washburn Switch Road
City Shelby US EPA ID# (if known) NCD986171007*
County Cleveland
Directions to Site Approximately five miles northwest of downtown Shelby. See attached USGS topographic map (Attachment 1).

*Past ID# only for Specialty Lighting, former owner. According to Ardee/Translite, no hazardous waste has been stored at or shipped from this site since 2008.

Attach a USGS topographic map or map of equal or reasonably similar scale (1 inch = 2000 ft.) showing the location and vicinity of the site or facility. Label map with the site name.

II. PERSON COMPLETING FORM:

Name Michael L. Manning
Mailing Address Genlyte Thomas Group LLC
3 Burlington Woods Drive
City Burlington State MA Zip Code 01803
Telephone (____) _____

Present Owner ___
Past Owner ___
Present Operator ___
Past Operator ___
Other X
(*specify*) Vice President and General Counsel

III. PRESENT OWNER:

Individual Owner or Company Name
Genlyte Thomas Group LLC
Executive Officer _____
Mailing Address 3 Burlington Woods Drive
City Burlington State MA Zip Code 01803
Telephone (___) _____

Corporation X
Partnership ___
Individual ___
Government Unit ___
Other ___
(*specify*) _____

IV. CURRENT SITE USE:

Check the item or items which describe the current use of the site.

Residential	___	Forest Land	___	Retirement Home	___
Business	___	Farm Land	___	Other	___
Industrial	X	School/Day Care	___	*(specify)*_____	
Pasture Land	___	Hospital	___	_____	

V. ON-SITE RESIDENTS:

Are there any on-site residents? ___ Yes X No
Number of children (• 6 years old) living on site NA Number of adults NA

VI. SURROUNDING PROPERTY USE:

Check the appropriate description of the area surrounding the site. (*More than one may apply.*)

Residential	X	Forest Land	___	Retirement Home	___
Business	___	Farm Land	X	Other	X
Industrial	X	School/Day Care	___	*(Specify)* CSX Railroad Line	
Pasture Land	___	Hospital	___		

VII. Site Operations (*More than one may apply.*):

	Current	Previous
1. Mining	___	___
2. Paper and wood production	___	___
3. Textiles	___	___
4. Fertilizer	___	___
5. Printing/painting	___	___
6. Leather tanning	___	___
7. Iron/steel foundry	___	___
8. Chemical, general	___	___
9. Plating/polishing	___	___
10. Military/ammunition	___	___
11. Firing range	___	___
12. Rubber/plastics	___	___
13. Utility companies/transformers	___	___
14. Sanitary/refuse	___	___
15. Photo finishing	___	___
16. Lab/hospital	___	___
17. Wood treating	___	___
18. Battery reclamation	___	___
19. Pesticides formulation, packaging and/or distribution	___	___
20. Herbicide formulation, packaging and/or distribution	___	___
21. Other agrichemical formulation, packaging and/or distribution	___	___
22. Dry cleaning	___	___
23. Petrochemical processing or refining	___	___
24. Furniture manufacturing or finishing	___	___
25. Drum reconditioning	___	___
26. Unknown	___	___
27. Other (*specify*) Assembly of Lighting Fixtures	X	___

VIII. ENVIRONMENTAL PERMITS:

List all previous and current environmental permits below.

Type of Permit (e.g. landfill, nondischarge, etc.)	Past	Present (circle one)	Permit Number	Date Issued	Issuing Agency
Air Permit	(Past)	Present	#06504R06	Unknown	NCDENR
	Past	Present		(expired 6/30/2007 - No more painting done)	
Sanitary Wastewater Discharge	(Past)	Present	NC0042293	Unknown	NCDWQ
	Past	Present		(Rescinded 3/12/2010 - Now discharge to Shelby City sewage)	
	Past	Present			
	Past	Present			
	Past	Present			

IX. KNOWN OR SUSPECTED RELEASES OF HAZARDOUS SUBSTANCES OR WASTE TO THE ENVIRONMENT:

List all on-site spills, disposals and other releases of hazardous substances or materials containing hazardous substances.

Material/ Chemical Released (Known and suspected)	Physical State of Material (Use codes below)	Approx. Volume Released	Date of Release	Suspected Contaminants (Use codes below)	Source of Release (e.g. tank, buried drums, landfill, product spill, etc.)	Known or Suspected Contamination: Ground water	Surface Water	Sediment	Soil
						<Enter "K" if Known and "S" if Suspected>			
1,1,1-trichloroethane	L	5-20 gal.	Approx. 1988	O	Indoor concrete floor; flow outside into concrete ditch.	K			S

Physical State Codes

G - Containerized Gas
L - Liquid
S - Solid/Powder
Sl - Sludge

Codes for Suspected Contaminants

A - Acids
Ab - Asbestos
Am - Ammonia
B - Bases
C - Cyanide
D - Dioxins
M - Metals
Mu - Mixed Municipal Waste
O - Organic Chemicals
P - PCBs
Pe - Petroleum Products
Ps - Pesticides
W - Waste Oil

X. TOTAL AREA OF ALL DISPOSALS, SPILLS, OR RELEASES OF HAZARDOUS SUBSTANCES OR WASTE:

X less than 1 acre
___ 1 acre or more, but less than 5 acres
___ 5 acres or more, but less than 10 acres
___ 10 acres or more
___ Unknown

XI. AVAILABILITY OF ENVIRONMENTAL ANALYTICAL DATA:

Do any environmental reports or laboratory analytical data exist for the site? X Yes ___ No
If yes, attach reports or data to this form. Attached is the laboratory data summary from August 25-26, 2011 (Attachment 2).

XII. IDENTIFY WHETHER ANY OF THE FOLLOWING ARE PRESENT OR WERE PRESENT IN THE PAST AT THE SITE (*More than one may apply.*):

___	Debris pile(s)	X	Tank(s) above ground *	X	Spill(s) (one spill in 1988)
___	Land treatment of sludges	X	Septic tank(s) *	___	Wastewater lagoon(s)
___	Landfill(s) or buried waste	___	Surface impoundment(s)	___	Drum(s)
___	Tank(s) underground	___	Underground injection of waste		

___ Other (*specify*) _____

*Removed from the site or taken out of service in the past.

XIII. ACCESSIBILITY OF SITE (*More than one may apply.*):

___ 24-hour security guard
___ Security guard < 24-hour/day
___ Physical barrier (steep bank, creek, walls, etc.)
Describe physical barriers _____

___ Site completely surrounded by fence
___ Site partially surrounded by fence
___ Locked gate
___ Unlocked gate
___ No control of access to site
X Other (*specify*) Facility is compliant with company supply chain security requirements.

XIV. WATER SUPPLY SOURCES:

Identify whether the following are present on site or on adjacent property.

	Present on site		Present on Adjacent Property		
	Yes	No	Yes	No	None Known
Spring	___	X	___	___	X
Well	___	X	___	___	X
Surface Water Intake	___	X	___	___	X

XV. SITE SURFACE WATER:

Indicate whether any surface water bodies (e.g. streams and lakes) exist on the site or the property adjacent to the site.
A small stream branch is directly west of and adjacent to Property boundary.

XVI. CERTIFICATION AND SIGNATURE:

I certify that to the best of my knowledge and belief, the information supplied on this form is complete and accurate.

Signature _____ Date 12/1/11

Name and Title (*Type or print*) Michael L. Manning, Vice President and General Counsel

Mailing Address Genlyte Thomas Group LLC
3 Burlington Woods Drive, Burlington, MA 01803

Massachusetts STATE

Middlesex COUNTY

I, Kathleen P. Silveri, a Notary Public for said County and State, do hereby certify that Michael L. Manning VP Gen Counsel personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 1 day of December 2011.

(*Official Seal*)

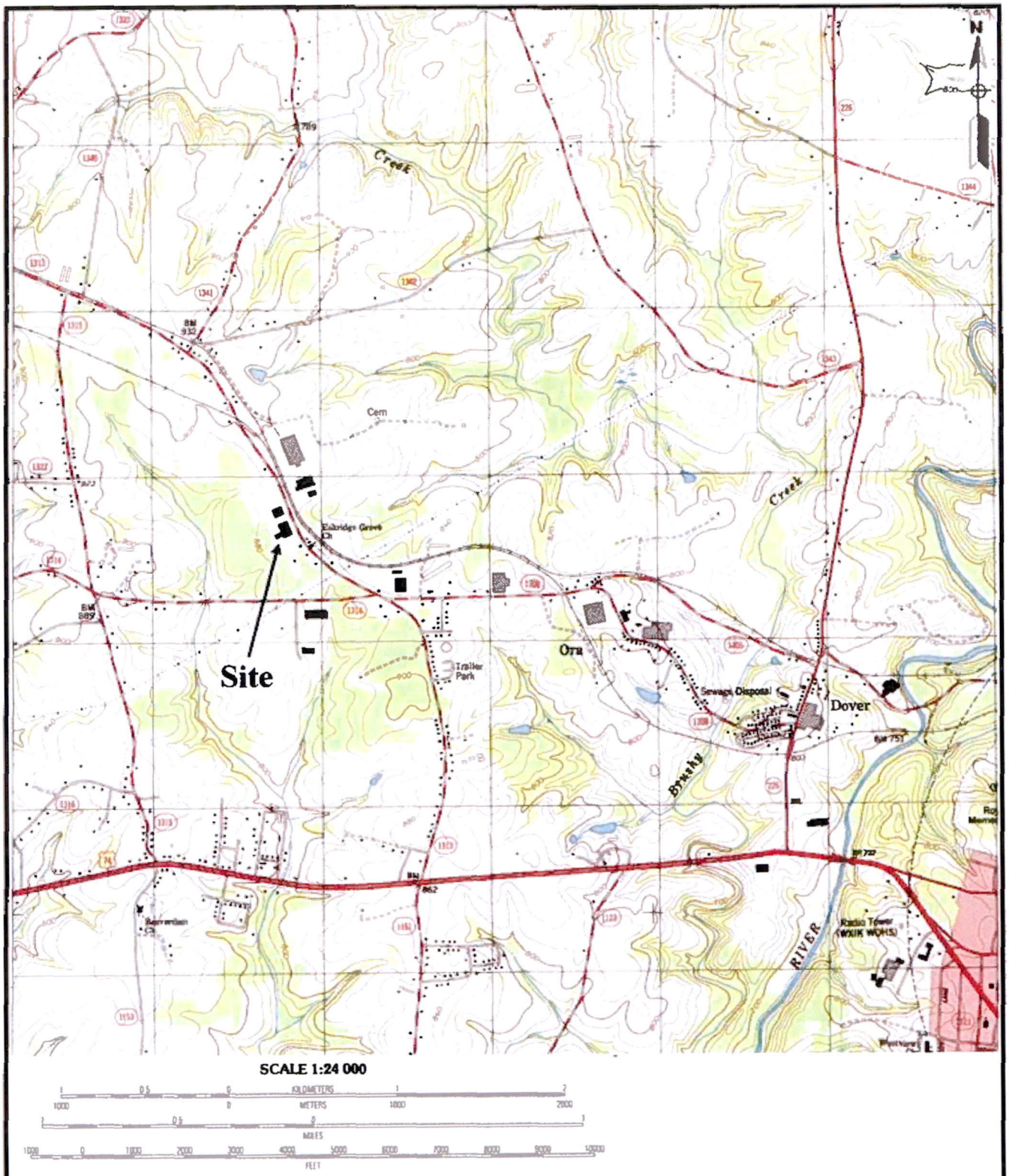
Kathleen P. Silveri
Notary Public

My commission expires 1/23/2015.

KATHLEEN P. SILVERI
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
January 23, 2015

ATTACHMENT 1

USGS TOPOGRAPHIC MAP



Modified from ENVIRON, 1996.

Source: USGS 7.5 Minute (Topographic) Series: Shelby, North Carolina Quadrangle

AECOM

Figure 1
Site Location Map
ARDEE/TRANSLITE
Phase II ESA
Shelby, North Carolina

August 2011

ATTACHMENT 2

SUMMARY OF LABORATORY ANALYTICAL RESULTS
(August 25-26, 2011)

Summary of VOC (Laboratory) Groundwater Results
Samples Collected on August 25-26, 2011

Temporary Well ID	Groundwater sample ID and well screen depth	Concentrations of Detected VOCs (µg/L)	North Carolina 2L Groundwater Standard (µg/L)	Exceeds the 2L Standard?
TW-1	TW-1, 22 - 27 feet bgs, TW-1MS, TW-1MSD (QA/QC samples)	chloromethane (methyl chloride) (0.51J)	3	No
TW-2	TW-2, 27 – 37 feet bgs	Benzene (0.26J); chloroform (13); 1,1-DCA (4.4J); **1,2-DCA (2.0J);** **1,1-DCE (250);** cis-1,2-DCE (1.2J), **PCE (19);** 1,1,1-TCA (0.36J); **TCE (5.5);**	1 70 6 **0.4** **7** 70 **0.7** 200 **3**	No No No **Yes** **Yes** No **Yes** No **Yes**
TW-3	TW-3, 22 - 25 feet bgs	**PCE (6.0);**	**0.7**	**Yes**
TW-4	Well dry, not sampled	No sample collected for lab analysis		
TW-5	TW-5, 15 - 21 feet bgs	No VOCs detected		

Notes:
Bold – Indicates exceedence of the 2L standard
µg/L – micrograms per liter
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J – estimated concentration, less than practical quantitation limit (PQL) but greater than or equal to method detection limit (MDL)
DCA – dichloroethane
DCE – dichloroethene
PCE – tetrachloroethene (perchloroethene)
TCA – trichloroethane
TCE – trichloroethene