UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960
December 16, 2015

REDACTED

Exemption 7 ____ (A) Interference with Enforcement Proceedings
____ (B) Right to Fair Trial
X (C) Unwarranted Invasion of Personal Privacy

Exemption 6 Personal Privacy

Subj: Analytical Results for June and July 2015 Sampling at

Dear

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted air sampling and soil gas sampling at your home. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One crawl space air, one indoor air, one ambient (outdoor) air, and one soil gas sample were collected at your property for a total of four samples in June 2015. Due to potential concerns about data quality, a second soil gas sample was collected in July 2015 for comparison. The crawl space air, indoor air, and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares only the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the results from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. Three (3) constituents were detected in your results above EPA site-specific screening levels (1,3-butadiene, 1,2-dichloroethane, and 1,4-dichlorobenzene). 1,3- butadiene was detected at levels above initial screening levels in the soil gas but not in the crawl space or living space indoor air. 1,2-dichloroethane and 1,4-dichlorobenzene were detected above the initial screening levels in the living space indoor air but were below a health-based risk management level. Neither 1,2-dichlorethane nor 1,4-dichlorobenze were detected at elevated concentrations in the soil gas, indicating that common household products may be contributing to

the levels in the indoor air and crawl space. These constituents are frequently found in cleaning products and mothballs. 1,3-butadiene is also known to be a byproduct of cigarette smoke.

Compound	Soil Gas Sampling Results	Soil Gas Sampling Results	Soil Gas Sampling Results	Soil Gas Vapor Intrusion Screening Level	Indoor Air (First Floor) Results	Indoor Air (Crawl Space) Results	Indoor Air (First Floor) Results	Air Vapor Intrusion Screening Level
	Dec. 2014	June 2015	July 2015		Nov 2014	June 2015		
1,3-Butadiene	31	12	16	8.0				0.81
1,2-Dichloroethane							5.5	1.1
1,4-Dichlorobenzene					18	65	48	2.5

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

Because the data show that the chemicals detected in indoor air are not originating from the subsurface vapors, this sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K Seadler

Donna K. Seadler
Remedial Project Manager

Enclosures

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
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Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0109 Unit 030 SG Soil Gas 6/10/2015 VOC	239-0715-0084 Unit 030 SG Soil Gas 7/24/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Benzene	31	8.2	8.2
1,3-Butadiene	8.0	12	16
Carbon Tetrachloride	41	0.67	0.31
Chloroform	1020	1.4	6.8
Dibromochloromethane	10	0.16 U	0.13 U
1,4-Dichlorobenzene	25	0.46	0.43
1,2-Dichloroethane	11	0.16 U	0.13 U
Ethylbenzene	110	13	2.2
Tetrachloroethene	420	1.4	0.92
Trichloroethene (TCE)	21	0.25	0.13 U
Vinyl Chloride	16	0.16 U	0.13 U
1,1,1-Trichloroethane (TCA)	520000	0.38	0.16
1,1,2,2-Tetrachloroethane	4.8	0.16 U	0.13 U
1,1,2-Trichloroethane	18	0.16 U	0.13 U
1,1,2-Trichlorotrifluoroethane	3100000	0.41	0.49
1,1-Dichloroethane (1,1-DCA)	180	0.16 U	0.13 U
1,1-Dichloroethene (1,1-DCE)	21000	0.16 U	0.13 U
1,2,3-Trichloropropane	31	0.82 UJ	0.66 UJ
1,2,4-Trimethylbenzene	730	21	2.8
1,2-Dibromoethane	0.47	0.16 U	0.13 U
1,2-Dichlorobenzene	21000	0.16 U	0.13 U
1,2-Dichloropropane	28	0.16 U	0.13 U
1,3,5-Trimethylbenzene	NS	7.5	0.69
1,3-Dichlorobenzene	NS	0.16 U	0.13 U
1,4-Dioxane	56	0.82 U	0.66 U
2-Butanone (MEK)	520000	8.2 U	9.9
2-Hexanone	3100	0.82 U	3.1
4-Ethyltoluene	NS	5.9	1.0
4-Methyl-2-pentanone	310000	0.82 U	1.5
Acetone	3200000	11	36
Bromoform	260	0.82 U	0.66 U
Bromomethane	520	0.33 U	0.13 U
Chlorobenzene	5200	0.16 U	0.13 U
Chloroethane	1000000	0.33 U	0.13 U
Chloromethane	9400	0.33 U	0.26 U
cis-1,2-Dichloroethene	NS	0.16 U	0.13 U
cis-1,3-Dichloropropene	NS	0.82 U	0.66 U

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Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0109 Unit 030 SG Soil Gas 6/10/2015 VOC	239-0715-0084 Unit 030 SG Soil Gas 7/24/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Cyclohexane	630000	8.4	5.6
Dichlorodifluoromethane (CFC 12)	10000	1.5	2.3
Ethyl Acetate	7300	1.6 U	1.3 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.82 U	0 66 U
n-Heptane	NS	28	10
n-Hexane	73000	45	65
2-Propanol (Isopropyl Alcohol)	730000	8.2 U	6.6 U
m,p-Xylenes	10000	48	4.3
Dichloromethane (Methylene Chloride)	10000	1.1	0.66 U
Methyl tert-Butyl Ether	1100	0.16 U	0.13 U
Naphthalene	8.3	1.9	3.6
o-Xylene	10000	17	2.2
Propene	310000	530	490
Styrene	100000	0.82 U	1.1
Tetrahydrofuran (THF)	210000	0.82 U	0.96
Toluene	520000	60	17
trans-1,2-Dichloroethene	NS	0.16 U	0.13 U
trans-1,3-Dichloropropene	NS	0.82 U	0.66 U
Trichlorofluoromethane (CFC 11)	73000	1.0	1.1
Vinyl Acetate	21000	8.2 U	6.6 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	96	3.46
Methane	NS	6.4	0 13 U
Helium	NS	200000	20000

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

TABLE 2
June and July 2015 Air Sampling Results
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Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0088 Unit 030 AMB Air 6/10/2015 VOC	239-0615-0089 Unit 030 CS Air 6/10/2015 VOC	239-0615-0087 Unit 030 LR Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.52	0.32	0.77
1,3-Butadiene	0.8	0.36 U	0.27 U	0.33 U
Carbon Tetrachloride	4.1	0.43	0.50	0.38
Chloroform	102	0.18 U	0.27	0.66
Dibromochloromethane	1.0	0.18 U	0.13 U	0.17 U
1,4-Dichlorobenzene	2.5	0.23	65	48
1,2-Dichloroethane	1.1	0.18 U	0.38	5.5
Ethylbenzene	11	0.91 U	0.67 U	0.83 U
Tetrachloroethene	42	0.18 U	0.13 U	0.17 U
Trichloroethene (TCE)	2.1	0.18 U	0.45	0.17
Vinyl Chloride	1.6	0.18 U	0.13 U	0.17 U
1,1,1-Trichloroethane (TCA)	52000	0.18 U	0.13 U	0.17 U
1,1,2,2-Tetrachloroethane	0.48	0.18 U	0.13 U	0.17 U
1,1,2-Trichloroethane	1.8	0.18 U	0.13 U	0.17 U
1,1,2-Trichlorotrifluoroethane	310000	0.55	0.56	0.55
1,1-Dichloroethane (1,1-DCA)	18	0.18 U	0.13 U	0.17 U
1,1-Dichloroethene (1,1-DCE)	2100	0.18 U	0.13 U	0.17 U
1,2,3-Trichloropropane	3.1	0.91 UJ	0.67 UJ	0.83 UJ
1,2,4-Trimethylbenzene	73	0.91 U	0.67 U	0.83 U
1,2-Dibromoethane	0.047	0.18 U	0.13 U	0.17 U
1,2-Dichlorobenzene	2100	0.18 U	0.13 U	0.17 U
1,2-Dichloropropane	2.8	0.18 U	0.13 U	0.17 U
1,3,5-Trimethylbenzene	NS	0.91 U	0.67 U	0.83 U
1,3-Dichlorobenzene	NS	0.18 U	0.13 U	0.17 U
1,4-Dioxane	5.6	0.91 U	0.67 U	0.83 U
2-Butanone (MEK)	52000	9.1 U	6.7 U	8.3 U
2-Hexanone	310	0.91 U	0.67 U	1.0
4-Ethyltoluene	NS	0.91 U	0.67 U	0.83 U
4-Methyl-2-pentanone	31000	0.91 U	0.67 U	0.83 U
Acetone	320000	9.2	6.7 U	86
Bromoform	26	0.91 U	0.67 U	0.83 U
Bromomethane	52	0.36 U	0.27 U	0.33 U
Chlorobenzene	520	0.18 U	0.13 U	0.17
Chloroethane	100000	0.36 U	0.27 U	0.33 U
Chloromethane	940	0.43	0.27 U	0.60
cis-1,2-Dichloroethene	NS	0.18 U	0.15	0.17 U
cis-1,3-Dichloropropene	NS	0.91 U	0.67 U	0.83 U
Cyclohexane	63000	1.8 U	1.3 U	1.7 U
Dichlorodifluoromethane (CFC 12)	1000	2.0	2.1	2.1
Ethyl Acetate	730	4.7	1.3 U	12
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.91 U	0.67 U	0.83 U

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Sample Number	Regional Screening Level	239-0615-0088	239-0615-0089	239-0615-0087
Location		Unit 030	Unit 030	Unit 030
Sub Location		AMB	CS	LR
Matrix	Air	Air	Air	Air
Sample Date		6/10/2015	6/10/2015	6/10/2015
Analysis		VOC	VOC	VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.91 U	0.67 U	5.4
n-Hexane	7300	0.91 U	0.67 U	1.4
2-Propanol (Isopropyl Alcohol)	73000	9.1 U	6.7 U	1300
m,p-Xylenes	1000	0.97	0.67 U	2.0
Dichloromethane (Methylene Chloride)	1000	0.91 U	0.67 U	0.83 U
Methyl tert-Butyl Ether	110	0.18 U	0.13 U	0.17 U
Naphthalene	0.83	0.91 U	0.67 U	0.83 U
o-Xylene	1000	0.91 U	0.67 U	0.83 U
Propene	31000	0.91 U	0.67 U	18
Styrene	10000	0.91 U	0.67 U	1.2
Tetrahydrofuran (THF)	21000	0.91 U	0.67 U	0.83 U
Toluene	52000	4.3	1.0	8.5
trans-1,2-Dichloroethene	NS	0.18 U	0.13 U	0.17 U
trans-1,3-Dichloropropene	NS	0.91 U	0.67 U	0.83 U
Trichlorofluoromethane (CFC 11)	7300	1.2	1.3	1.3
Vinyl Acetate	2100	9.1 U	6.7 U	8.3 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	400	460	740
Methane	NS	1.7	1.9	2.6
Helium	NS	NA	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

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Exemption 7 ____ (A) Interference with Enforcement Proceedi
____ (B) Right to Fair Trial
X (C) Unwanted Invasion of Personal Privacy

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Subj: Analytical Results for June and July 2015 Sampling at

Dear

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted air sampling and soil gas sampling at your home. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One crawl space air, one indoor air, one ambient (outdoor) air, and one soil gas sample were collected at your property for a total of four samples in June 2015. Due to potential concerns about data quality, a second soil gas sample was collected in July 2015 for comparison. The crawl space air, indoor air, and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares only the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the results from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. One (1) constituent, 1,3-butadiene, was detected in your results above EPA site-specific screening levels in the living space indoor air but were below a health-based risk management level. 1,3-butadiene was not detected at elevated levels in the soil gas or crawl space, indicating that common household products may be contributing to the levels in the living space indoor air. This constituent can be found in cigarette smoke.

Compound	Indoor Air (First Floor) Results	Indoor Air (First Floor) Results	Air Vapor Intrusion Screening Level
	Nov 2014	June 2015	
1,3-Butadiene	.98	1.7	0.81

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

Because all results have remained below health-based risk management screening levels, this sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K. Seadler
Remedial Project Manager

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June and July 2015 Air Sampling Results
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Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0104 Unit 014 SG Soil Gas 6/10/2015 VOC	239-0715-0085 Unit 014 SG Soil Gas 7/24/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Benzene	31	1.9	0.52 U
1,3-Butadiene	8.0	0.52	0.38
Carbon Tetrachloride	41	0.18 U	0.16 U
Chloroform	1020	1.1	1.2
Dibromochloromethane	10	0.18 U	0.16 U
1,4-Dichlorobenzene	25	0.18 U	0.16 U
1,2-Dichloroethane	11	0.18 U	0.16 U
Ethylbenzene	110	2.3	0.81 U
Tetrachloroethene	420	1.5	1.8
Trichloroethene (TCE)	21	0.37	0.16 U
Vinyl Chloride	16	0.18 U	0.16 U
1,1,1-Trichloroethane (TCA)	520000	3.7	5.5
1,1,2,2-Tetrachloroethane	4.8	0.18 U	0.16 U
1,1,2-Trichloroethane	18	0.18 U	0.16 U
1,1,2-Trichlorotrifluoroethane	3100000	0.52	0.59
1,1-Dichloroethane (1,1-DCA)	180	0.18 U	0.16 U
1,1-Dichloroethene (1,1-DCE)	21000	0.18 U	0.16 U
1,2,3-Trichloropropane	31	0.89 UJ	0.81 UJ
1,2,4-Trimethylbenzene	730	2.3	0.81 U
1,2-Dibromoethane	0.47	0.18 U	0.16 U
1,2-Dichlorobenzene	21000	0.18 U	0.16 U
1,2-Dichloropropane	28	0.18 U	0.16 U
1,3,5-Trimethylbenzene	NS	0.91	0.81 U
1,3-Dichlorobenzene	NS	0.18 U	0.16 U
1,4-Dioxane	56	0.89 U	0.81 U
2-Butanone (MEK)	520000	8.9 U	8.1 U
2-Hexanone	3100	1.0	1.2
4-Ethyltoluene	NS	0.89 U	0.81 U
4-Methyl-2-pentanone	310000	0.89 U	0.81 U
Acetone	3200000	23	19
Bromoform	260	0.89 U	0.81 U
Bromomethane	520	0.36 U	0.16 U
Chlorobenzene	5200	0.18 U	0.16 U
Chloroethane	1000000	0.36 U	0.16 U
Chloromethane	9400	0.36 U	0.32 U
cis-1,2-Dichloroethene	NS	0.18 U	0.16 U
cis-1,3-Dichloropropene	NS	0.89 U	0.81 U

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Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0104 Unit 014 SG Soil Gas 6/10/2015 VOC	239-0715-0085 Unit 014 SG Soil Gas 7/24/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Cyclohexane	630000	1.8 U	1.6 U
Dichlorodifluoromethane (CFC 12)	10000	3.2	3.3
Ethyl Acetate	7300	1.8 U	1.6 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.91	1.1
n-Heptane	NS	1.1	1.2
n-Hexane	73000	1.9	4.0
2-Propanol (Isopropyl Alcohol)	730000	8.9 U	8.1 U
m,p-Xylenes	10000	7.0	1.1
Dichloromethane (Methylene Chloride)	10000	0.89 U	0.81 U
Methyl tert-Butyl Ether	1100	0.18 U	0.16 U
Naphthalene	8.3	1.5	2.2
o-Xylene	10000	2.7	0.81 U
Propene	310000	7.0	15
Styrene	100000	0.89 U	0.81 U
Tetrahydrofuran (THF)	210000	0.89 U	0.81 U
Toluene	520000	13	2.6
trans-1,2-Dichloroethene	NS	0.18 U	0.16 U
trans-1,3-Dichloropropene	NS	0.89 U	0.81 U
Trichlorofluoromethane (CFC 11)	73000	2.9	2.8
Vinyl Acetate	21000	11	8.1 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	59000	7.99
Methane	NS	8.5 U	0.16 U
Helium	NS	87000	300

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
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Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0082 Unit 014 AMB Air 6/10/2015 VOC	239-0615-0083 Unit 014 CS Air 6/10/2015 VOC	239-0615-0081 Unit 014 LR Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.48	0.91	2.6
1,3-Butadiene	0.80	0.28 U	0.40	1.7
Carbon Tetrachloride	4.1	0.45	0.73	0.88
Chloroform	102	0.19	0.58	0.69
Dibromochloromethane	1.0	0.14 U	0.16 U	0.14 U
1,4-Dichlorobenzene	2.5	0.14 U	0.16 U	0.26
1,2-Dichloroethane	1.1	0.14 U	0.50	0.73
Ethylbenzene	11	0.73	0.81 U	1.5
Tetrachloroethene	42	0.14 U	0.16 U	0.14 U
Trichloroethene (TCE)	2.1	0.14 U	0.16 U	0.14 U
Vinyl Chloride	1.6	0.14 U	0.16 U	0.14 U
1,1,1-Trichloroethane (TCA)	52000	0.14 U	0.16 U	0.14 U
1,1,2,2-Tetrachloroethane	0.48	0.14 U	0.16 U	0.14 U
1,1,2-Trichloroethane	1.8	0.14 U	0.16 U	0.14 U
1,1,2-Trichlorotrifluoroethane	310000	0.56	0.58	0.58
1,1-Dichloroethane (1,1-DCA)	18	0.14 U	0.16 U	0.14 U
1,1-Dichloroethene (1,1-DCE)	2100	0.14 U	0.16 U	0.14 U
1,2,3-Trichloropropane	3.1	0.70 UJ	0.81 UJ	0.71 UJ
1,2,4-Trimethylbenzene	73	2.3	0.81 U	1.8
1,2-Dibromoethane	0.047	0.14 U	0.16 U	0.14 U
1,2-Dichlorobenzene	2100	0.14 U	0.16 U	0.14 U
1,2-Dichloropropane	2.8	0.14 U	0.16 U	0.14 U
1,3,5-Trimethylbenzene	NS	0.70 U	0.81 U	0.71 U
1,3-Dichlorobenzene	NS	0.14 U	0.16 U	0.14 U
1,4-Dioxane	5.6	0.70 U	0.81 U	0.71 U
2-Butanone (MEK)	52000	7.0 U	8.1 U	10
2-Hexanone	310	0.70 U	0.81 U	0.84
4-Ethyltoluene	NS	0.70 U	0.81 U	0.71 U
4-Methyl-2-pentanone	31000	0.70 U	0.81 U	0.73
Acetone	320000	9.5	47	150
Bromoform	26	0.70 U	0.81 U	0.71 U
Bromomethane	52	0.28 U	0.32 U	0.28 U
Chlorobenzene	520	0.14 U	0.16 U	0.14 U
Chloroethane	100000	0.28 U	0.32 U	0.28 U
Chloromethane	940	0.43	0.42	1.2
cis-1,2-Dichloroethene	NS	0.14 U	0.16 U	0.14 U
cis-1,3-Dichloropropene	NS	0.70 U	0.81 U	0.71 U
Cyclohexane	63000	1.4 U	1.6 U	1.4 U
Dichlorodifluoromethane (CFC 12)	1000	2.0	2.0	2.0
Ethyl Acetate	730	12	4.6	24
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.70 U	0.81 U	0.71 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfil Site Invest gation
November 2015

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Exemption 6 Personal Privacy

Sample Number	Regional Screening Level	239-0615-0082	239-0615-0083	239-0615-0081
Location		Unit 014	Unit 014	Unit 014
Sub Location		AMB	CS	LR
Matrix	Air	Air	Air	Air
Sample Date		6/10/2015	6/10/2015	6/10/2015
Analysis		VOC	VOC	VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.70 U	0.81 U	1 3
n-Hexane	7300	0.70 U	0.90	1 7
2-Propanol (Isopropyl Alcohol)	73000	7.0 U	8.1 U	31
m,p-Xylenes	1000	3 2	1 4	4.3
Dichloromethane (Methylene Chloride)	1000	0.70 U	1.2	2 1
Methyl tert-Butyl Ether	110	0.14 U	0.16 U	0 14 U
Naphthalene	0.83	0.70 U	0.81 U	1.5
o-Xylene	1000	1 4	0 84	1 4
Propene	31000	1 7	3 3	13
Styrene	10000	0.70 U	0.81 U	1.2
Tetrahydrofuran (THF)	21000	0.70 U	2.2	5 4
Toluene	52000	5.3	4.0	11
trans-1,2-Dichloroethene	NS	0.14 U	0.16 U	0.14 U
trans-1,3-Dichloropropene	NS	0.70 U	0 81 U	0.71 U
Trichlorofluoromethane (CFC 11)	7300	1.2	1 9	2 4
Vinyl Acetate	2100	7 0 U	8.1 U	26
Analysis	Fixed Gas	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	490	600	700
Methane	NS	2.5	3 9	5.1
Helium	NS	NA	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

REDACTED

December 16, 2015

Exemption ___ (A) Interference with Enforcement Proceedings
___ (B) [illegible]
✓ (C) Unwanted Invasion of Personal Privacy

Exemption 6 Personal Privacy

Subj: Analytical Results for June and July 2015 Sampling at

Dear

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted soil gas sampling on your property. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One (1) soil gas sample was at your property in June 2015. EPA attempted a second soil gas sample in July 2015 for comparison. Due to unusually heavy rains, no soil gas sample was successfully collected. However, comparisons of the June and July 2015 soil gas results on those homes where it was successful indicate that the June 2015 data is satisfactory. The crawl space air, indoor air, and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares only the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the exceedances from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. No constituents were found over screening levels in the June 2015 sampling event.

Compound	Soil Gas Sampling Results	Soil Gas Vapor Intrusion Screening Level
	Dec. 2014	
1,3-Butadiene	56	8.0

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

This sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K. Seadler

Donna K. Seadler
Remedial Project Manager

Enclosures

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

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Exemption 6 Personal Privacy

Sample Number	239-0615-0106	Regional Screening Level
Location	Unit 034	
Sub Location	SG	
Matrix	Soil Gas	Soil Gas
Sample Date	6/10/2015	
Analysis	VOC	
Analyte	µg/m³	µg/m³
Benzene	0.58	31
1,3-Butadiene	0.34 U	8.0
Carbon Tetrachloride	2.6	41
Chloroform	0.17 U	1020
Dibromochloromethane	0.17 U	10
1,4-Dichlorobenzene	0.17 U	25
1,2-Dichloroethane	0.17 U	11
Ethylbenzene	0.85 U	110
Tetrachloroethene	4.5	420
Trichloroethene (TCE)	0.17 U	21
Vinyl Chloride	0.17 U	16
1,1,1-Trichloroethane (TCA)	17	520000
1,1,2,2-Tetrachloroethane	0.17 U	4.8
1,1,2-Trichloroethane	0.17 U	18
1,1,2-Trichlorotrifluoroethane	0.62	3100000
1,1-Dichloroethane (1,1-DCA)	0.17 U	180
1,1-Dichloroethene (1,1-DCE)	0.17 U	21000
1,2,3-Trichloropropane	0.85 UJ	31
1,2,4-Trimethylbenzene	0.85 U	730
1,2-Dibromoethane	0.17 U	0.47
1,2-Dichlorobenzene	0.17 U	21000
1,2-Dichloropropane	0.17 U	28
1,3,5-Trimethylbenzene	0.85 U	NS
1,3-Dichlorobenzene	0.17 U	NS
1,4-Dioxane	0.85 U	56
2-Butanone (MEK)	8.5 U	520000
2-Hexanone	0.85 U	3100
4-Ethyltoluene	0.85 U	NS
4-Methyl-2-pentanone	0.85 U	310000
Acetone	8.5 U	3200000
Bromoform	0.85 U	260
Bromomethane	0.34 U	520
Chlorobenzene	0.17 U	5200
Chloroethane	0.34 U	1000000
Chloromethane	0.34 U	9400
cis-1,2-Dichloroethene	0.17 U	NS
cis-1,3-Dichloropropene	0.85 U	NS

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption o Personal Privacy

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Sample Number	239-0615-0106	Regional Screening Level
Location	Unit 034	Soil Gas
Sub Location	SG	
Matrix	Soil Gas	
Sample Date	6/10/2015	
Analysis	VOC	
Analyte	µg/m³	µg/m³
Cyclohexane	1.7 U	630000
Dichlorodifluoromethane (CFC 12)	4.1	10000
Ethyl Acetate	2.9	7300
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	3.1	NS
n-Heptane	0.85 U	NS
n-Hexane	0.85 U	73000
2-Propanol (Isopropyl Alcohol)	8.5 U	730000
m,p-Xylenes	0.85 U	10000
Dichloromethane (Methylene Chloride)	0.85 U	10000
Methyl tert-Butyl Ether	0.17 U	1100
Naphthalene	1.0	8.3
o-Xylene	0.85 U	10000
Propene	4.4	310000
Styrene	0.85 U	100000
Tetrahydrofuran (THF)	0.85 U	210000
Toluene	2.1	520000
trans-1,2-Dichloroethene	0.17 U	NS
trans-1,3-Dichloropropene	0.85 U	NS
Trichlorofluoromethane (CFC 11)	1.9	73000
Vinyl Acetate	8.5 U	21000
Analysis	Fixed Gas	Fixed Gas
Carbon Dioxide	2600	NS
Methane	480	NS
Helium	540	NS

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960
December 16, 2015

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Exemption 7 ____ (A) Interference with Enforcement Proceedings
____ (B) Right to Fair Trial
X (C) Unwanted Invasion of Personal Privacy

Exemption 6 Personal Privacy

Subj: Analytical Results for June and July 2015 Sampling at

Dear

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted air sampling and soil gas sampling at your home. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One (1) crawl space air, one (1) indoor air, one (1) ambient (outdoor) air, and one (1) soil gas sample were collected at your property for a total of four (4) samples in June 2015. EPA attempted a second soil gas sample in July 2015 for comparison. Due to unusually heavy rains, no soil gas sample was successfully collected. The crawl space air, indoor air, and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares only the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the exceedances from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. Four (4) constituents were detected in your results above EPA site-specific screening levels (1,3-butadiene, 1,2-dichloroethane, carbon tetrachloride, and naphthalene). 1,3-butadiene was detected at levels above initial screening levels in the soil gas and living space indoor air but were below a health-based risk management level. Carbon tetrachloride was detected at elevated levels in the soil gas but not in the crawl space or living space indoor air, and is not of concern. 1,2-dichloroethane, and naphthalene were detected above the initial screening levels in the living space but were below a health-based risk management level in the indoor air.

Neither naphthalene nor 1,2-dichlorethane were detected at elevated concentrations in the soil gas or crawl space air indicating that common household products may be contributing to the levels in the living space indoor air.. These constituents are frequently found in cleaning products and mothballs. 1,3-butadiene may also be a by-product of cigarette smoke.

Compound	Soil Gas Sampling Results	Soil Gas Sampling Results	Soil Gas Vapor Intrusion Screening Level	Indoor Air (First Floor) Results	Indoor Air (First Floor) Results	Air Vapor Intrusion Screening Level
	Dec. 2014	June 2015		Nov 2014	June 2015	
1,3-Butadiene	34	17	8.0		1.0	0.81
1,2-Dichloroethane				1.1	1.2	1.1
Carbon Tetrachloride		1800	41			
Napthalene					.93	.83

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

Because all results have remained below health-based risk management screening levels, this sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K. Seadler

Donna K. Seadler
Remedial Project Manager

Enclosures

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

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Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0108 Unit 015 SG Soil Gas 6/10/2015 VOC
Analyte	µg/m³	µg/m³
Benzene	31	7.2
1,3-Butadiene	8.0	17
Carbon Tetrachloride	41	1800
Chloroform	1020	170
Dibromochloromethane	10	0.17 U
1,4-Dichlorobenzene	25	0.42
1,2-Dichloroethane	11	0.17 U
Ethylbenzene	110	8.4
Tetrachloroethene	420	1.7
Trichloroethene (TCE)	21	0.17 U
Vinyl Chloride	16	0.17 U
1,1,1-Trichloroethane (TCA)	520000	13
1,1,2,2-Tetrachloroethane	4.8	0.17 U
1,1,2-Trichloroethane	18	0.17 U
1,1,2-Trichlorotrifluoroethane	3100000	0.52
1,1-Dichloroethane (1,1-DCA)	180	0.17 U
1,1-Dichloroethene (1,1-DCE)	21000	0.17 U
1,2,3-Trichloropropane	31	0.87 UJ
1,2,4-Trimethylbenzene	730	11
1,2-Dibromoethane	0.47	0.17 U
1,2-Dichlorobenzene	21000	0.17 U
1,2-Dichloropropane	28	0.17 U
1,3,5-Trimethylbenzene	NS	4.3
1,3-Dichlorobenzene	NS	0.17 U
1,4-Dioxane	56	0.87 U
2-Butanone (MEK)	520000	8.7 U
2-Hexanone	3100	0.87 U
4-Ethyltoluene	NS	3.7
4-Methyl-2-pentanone	310000	0.87 U
Acetone	3200000	8.7 U
Bromoform	260	0.87 U
Bromomethane	520	0.35 U
Chlorobenzene	5200	0.17 U
Chloroethane	1000000	0.35 U
Chloromethane	9400	0.35 U
cis-1,2-Dichloroethene	NS	0.17 U
cis-1,3-Dichloropropene	NS	0.87 U

Exemption 6 Personal Privacy

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TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0108 Unit 015 SG Soil Gas 6/10/2015 VOC
Analyte	µg/m³	µg/m³
Cyclohexane	630000	8.7
Dichlorodifluoromethane (CFC 12)	10000	2.2
Ethyl Acetate	7300	1.7 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.87 U
n-Heptane	NS	17
n-Hexane	73000	57
2-Propanol (Isopropyl Alcohol)	730000	8.7 U
m,p-Xylenes	10000	29
Dichloromethane (Methylene Chloride)	10000	0.98
Methyl tert-Butyl Ether	1100	0.17 U
Naphthalene	8.3	1.6
o-Xylene	10000	10
Propene	310000	670
Styrene	100000	0.87 U
Tetrahydrofuran (THF)	210000	0.87 U
Toluene	520000	40
trans-1,2-Dichloroethene	NS	0.17 U
trans-1,3-Dichloropropene	NS	0.87 U
Trichlorofluoromethane (CFC 11)	73000	1.2
Vinyl Acetate	21000	8.7 U
Analysis	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	2000
Methane	NS	8.9
Helium	NS	210000

VOC - volatile organic compounds

µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent

U - not detected above specified reporting limit, J - estimated

NS - not specified, NA-not analyzed

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0100 Unit 015 AMB Air 6/10/2015 VOC	239-0615-0099 Unit 015 CS Air 6/10/2015 VOC	239-0615-0098 Unit 015 LR Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.55	1.0	2.2
1,3-Butadiene	0.8	0.33 U	0.51 U	1.0
Carbon Tetrachloride	4.1	0.64	0.6	0.83
Chloroform	102	0.17	0.76	1 0
Dibromochloromethane	1.0	0.16 U	0.26 U	0.22
1,4-Dichlorobenzene	2.5	0.16 U	0.26 U	0 17 U
1,2-Dichloroethane	1.1	0.16 U	0 69	1.2
Ethylbenzene	11	0 82 U	2.9	9 1
Tetrachloroethene	42	0.16 U	0 26 U	0.17 U
Trichloroethene (TCE)	2.1	0.16 U	0.26 U	0 17 U
Vinyl Chloride	1.6	0 16 U	0.26 U	0 17 U
1,1,1-Trichloroethane (TCA)	52000	0 16 U	0.26 U	0.17 U
1,1,2,2-Tetrachloroethane	0.48	0.16 U	0.26 U	0 17 U
1,1,2-Trichloroethane	1.8	0.16 U	0.26 U	0 17 U
1,1,2-Trichlorotrifluoroethane	310000	0.67	0 69	0.60
1,1-Dichloroethane (1,1-DCA)	18	0.16 U	0.26 U	0.17 U
1,1-Dichloroethene (1,1-DCE)	2100	0.16 U	0.26 U	0.17 U
1,2,3-Trichloropropane	3.1	0.82 UJ	1.3 UJ	0 83 UJ
1,2,4-Trimethylbenzene	73	0 82 U	4.6	14
1,2-Dibromoethane	0.047	0.16 U	0.26 U	0.17 U
1,2-Dichlorobenzene	2100	0.16 U	0.26 U	0.17 U
1,2-Dichloropropane	2.8	0.16 U	0.26 U	0.17 U
1,3,5-Trimethylbenzene	NS	0 82 U	1.3 U	3 6
1,3-Dichlorobenzene	NS	0.16 U	0.26 U	0.17 U
1,4-Dioxane	5.6	0 82 U	1 3 U	0.83 U
2-Butanone (MEK)	52000	8.2 U	13 U	13
2-Hexanone	310	0 82 U	1.3 U	0.83 U
4-Ethyltoluene	NS	0 82 U	1 3 U	3.5
4-Methyl-2-pentanone	31000	0.82 U	1.3 U	0 83
Acetone	320000	13	34	140
Bromoform	26	0.82 U	1.3 U	0.83 U
Bromomethane	52	0 33 U	0.51 U	0.33 U
Chlorobenzene	520	0 16 U	0.26 U	0.17 U
Chloroethane	100000	0 33 U	0.51 U	0.33 U
Chloromethane	940	0.35	0.51 U	0 51
cis-1,2-Dichloroethene	NS	0 16 U	0.26 U	0.17 U
cis-1,3-Dichloropropene	NS	0.82 U	1.3 U	0.83 U
Cyclohexane	63000	1.6 U	2 6 U	2.3
Dichlorodifluoromethane (CFC 12)	1000	2.8	3.1	2.4
Ethyl Acetate	730	2.6	4.9	15
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.82 U	1 3 U	0.83 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption 6 Personal Privacy

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Sample Number	Regional Screening Level	239-0615-0100	239-0615-0099	239-0615-0098
Location		Unit 015	Unit 015	Unit 015
Sub Location		AMB	CS	LR
Matrix	Air	Air	Air	Air
Sample Date		6/10/2015	6/10/2015	6/10/2015
Analysis		VOC	VOC	VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.82 U	3.9	16
n-Hexane	7300	0.82 U	9.3	25
2-Propanol (Isopropyl Alcohol)	73000	8.2 U	13 U	75
m,p-Xylenes	1000	1.3	11	34
Dichloromethane (Methylene Chloride)	1000	0.82 U	1.3 U	0.83 U
Methyl tert-Butyl Ether	110	0.16 U	0.26 U	0.17 U
Naphthalene	0.83	0.82 U	1.3 U	0.93
o-Xylene	1000	0.82 U	4.3	12
Propene	31000	0.82 U	1.3 U	0.83 U
Styrene	10000	0.82 U	1.3 U	1.2
Tetrahydrofuran (THF)	21000	0.82 U	1.3 U	0.83 U
Toluene	52000	3.9	15	40
trans-1,2-Dichloroethene	NS	0.16 U	0.26 U	0.17 U
trans-1,3-Dichloropropene	NS	0.82 U	1.3 U	0.83 U
Trichlorofluoromethane (CFC 11)	7300	1.6	3.3	3.8
Vinyl Acetate	2100	8.2 U	13 U	8.6
Analysis	Fixed Gas	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	540	910	1200
Methane	NS	2.4	2.8	2.7
Helium	NS	NA	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

REDACTED

December 16, 2015

Exemption 7 ____ (A) Interference with Enforcement Proceedings
____ (B) Right to Fair Trial
X (C) Unwanted Invasion of Personal Privacy

Exemption 6 Personal Privacy

Subj: Analytical Results for June and July 2015 Sampling at

Dear

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted air sampling and soil gas sampling at your home. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One (1) crawl space air, one (1) indoor air, one (1) ambient (outdoor) air, and one (1) soil gas sample were collected at your property for a total of four (4) samples in June 2015. Due to potential concerns about data quality, EPA attempted a second soil gas sample in July 2015 for comparison. Unusually wet conditions prevented a second soil gas sample from being successfully collected at that time. However, comparisons of the June and July 2015 soil gas results on those homes where it was successful indicate that the June 2015 data is satisfactory. The crawl space air, indoor air, and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares only the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the results from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. Four constituents were detected in your results above EPA site-specific screening levels (1,3-butadiene, 1,2-dichloroethane, 1,4-dichlorobenzene, and naphthalene). 1,3- butadiene was detected at levels above initial screening levels in the soil gas but there were no

exceedances in the crawl space or living space indoor air. 1,2-dichloroethane, and naphthalene were detected above the initial screening levels in the living space but were below a health-based risk management level in the indoor air. Neither 1,2-dichloroethane, 1,4-dichlorobenzene, and naphthalene were detected at elevated concentrations in the soil gas, indicating that common household products may be contributing to the levels in the indoor air.. These constituents are frequently found in cleaning products and mothballs.

Compound	Soil Gas Sampling Results	Soil Gas Sampling Results	Soil Gas Vapor Intrusion Screening Level	Indoor Air (First Floor) Results	Indoor Air (Crawl Space) Results	Indoor Air (First Floor) Results	Air Vapor Intrusion Screening Level
	Dec. 2014	June 2015		Nov 2014	June 2015		
1,3-Butadiene	35	15	8.0				0.81
1,2-Dichloroethane				1.2		1.6	1.1
1,4-Dichlorobenzene				14	3.9	310	2.5
Naphthalene					6.5		.83

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

Because the data show that the chemicals detected in indoor air are not originating from the subsurface vapors, this sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K. Seadler
Remedial Project Manager

Enclosures

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption 6 Personal Privacy

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0107 Unit 023 SG Soil Gas 6/10/2015 VOC
Analyte	µg/m³	µg/m³
Benzene	31	8.5
1,3-Butadiene	8.0	15
Carbon Tetrachloride	41	0.44
Chloroform	1020	8.2
Dibromochloromethane	10	0.19 U
1,4-Dichlorobenzene	25	0.54
1,2-Dichloroethane	11	0.19 U
Ethylbenzene	110	12
Tetrachloroethene	420	1.6
Trichloroethene (TCE)	21	0.29
Vinyl Chloride	16	0.19 U
1,1,1-Trichloroethane (TCA)	520000	0.19 U
1,1,2,2-Tetrachloroethane	4.8	0.19 U
1,1,2-Trichloroethane	18	0.19 U
1,1,2-Trichlorotrifluoroethane	3100000	0.54
1,1-Dichloroethane (1,1-DCA)	180	0.19 U
1,1-Dichloroethene (1,1-DCE)	21000	0.19 U
1,2,3-Trichloropropane	31	0.93 UJ
1,2,4-Trimethylbenzene	730	16
1,2-Dibromoethane	0.47	0.19 U
1,2-Dichlorobenzene	21000	0.19 U
1,2-Dichloropropane	28	0.19 U
1,3,5-Trimethylbenzene	NS	6.2
1,3-Dichlorobenzene	NS	0.19 U
1,4-Dioxane	56	0.93 U
2-Butanone (MEK)	520000	9.3 U
2-Hexanone	3100	0.93 U
4-Ethyltoluene	NS	4.8
4-Methyl-2-pentanone	310000	0.93 U
Acetone	3200000	12
Bromoform	260	0.93 U
Bromomethane	520	0.37 U
Chlorobenzene	5200	0.19 U
Chloroethane	1000000	0.37 U
Chloromethane	9400	0.37 U
cis-1,2-Dichloroethene	NS	0.19 U
cis-1,3-Dichloropropene	NS	0.93 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

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REDACTED

Sample Number	Regional Screening Level	239-0515-0107
Location		Unit 023
Sub Location		SG
Matrix	Soil Gas	Soil Gas
Sample Date		6/10/2015
Analysis		VOC
Analyte	µg/m³	µg/m³
Cyclohexane	630000	7.5
Dichlorodifluoromethane (CFC 12)	10000	1.9
Ethyl Acetate	7300	3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.93 U
n-Heptane	NS	26
n-Hexane	73000	41
2-Propanol (Isopropyl Alcohol)	730000	9.3 U
m,p-Xylenes	10000	41
Dichloromethane (Methylene Chloride)	10000	1.4
Methyl tert-Butyl Ether	1100	0.19 U
Naphthalene	8.3	2.3
o-Xylene	10000	14
Propene	310000	410
Styrene	100000	0.93 U
Tetrahydrofuran (THF)	210000	0.93 U
Toluene	520000	59
trans-1,2-Dichloroethene	NS	0.19 U
trans-1,3-Dichloropropene	NS	0.93 U
Trichlorofluoromethane (CFC 11)	73000	1.3
Vinyl Acetate	21000	9.3 U
Analysis	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	970
Methane	NS	3.7
Helium	NS	120000

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

TABLE 2
June and July 2015 Air Sampling Results
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Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0084 Unit 023 AMB Air 6/10/2015 VOC	239-0615-0086 Unit 023 CS Air 6/10/2015 VOC	239-0615-0085 Unit 023 LR Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.61	0 62	0.51
1,3-Butadiene	0.8	0.26 U	0.76 U	0.33 U
Carbon Tetrachloride	4.1	0.48	0.42	0.54
Chloroform	102	0.18	0.92	0 53
Dibromochloromethane	1.0	0.13 U	0.38 U	0.16 U
1,4-Dichlorobenzene	2.5	0.13 U	3.9	310
1,2-Dichloroethane	1.1	0.2	1.0	1.6
Ethylbenzene	11	0.66 U	1.9 U	0.82 U
Tetrachloroethene	42	0.13 U	0.38 U	0.16 U
Trichloroethene (TCE)	2.1	0.13 U	0.38 U	0.16 U
Vinyl Chloride	1.6	0.13 U	0.38 U	0.16 U
1,1,1-Trichloroethane (TCA)	52000	0.13 U	0.38 U	0.16 U
1,1,2,2-Tetrachloroethane	0.48	0.13 U	0.38 U	0.16 U
1,1,2-Trichloroethane	1.8	0.13 U	0.38 U	0.16 U
1,1,2-Trichlorotrifluoroethane	310000	0.55	0.51	0.54
1,1-Dichloroethane (1,1-DCA)	18	0.13 U	0.38 U	0.16 U
1,1-Dichloroethene (1,1-DCE)	2100	0.13 U	0.38 U	0.16 U
1,2,3-Trichloropropane	3.1	0.66 UJ	1.9 UJ	0.82 UJ
1,2,4-Trimethylbenzene	73	0.68	1.9 U	0.82 U
1,2-Dibromoethane	0.047	0.13 U	0.38 U	0.16 U
1,2-Dichlorobenzene	2100	0.13 U	0.38 U	0.16 U
1,2-Dichloropropane	2.8	0.13 U	0.38 U	0.16 U
1,3,5-Trimethylbenzene	NS	0.66 U	1.9 U	0.82 U
1,3-Dichlorobenzene	NS	0.13 U	0.38 U	0.16 U
1,4-Dioxane	5.6	0.66 U	1.9 U	0.82 U
2-Butanone (MEK)	52000	6.6 U	19 U	8.2 U
2-Hexanone	310	0.66 U	1.9 U	0.82 U
4-Ethyltoluene	NS	0.66 U	1.9 U	0.82 U
4-Methyl-2-pentanone	31000	0.66 U	1.9 U	0.82 U
Acetone	320000	12	19 U	19
Bromoform	26	0.66 U	1.9 U	0.82 U
Bromomethane	52	0.26 U	0.76 U	0.33 U
Chlorobenzene	520	0.13 U	0.38 U	0.16 U
Chloroethane	100000	0.26 U	0.76 U	0.33 U
Chloromethane	940	0.43	0.76 U	0.45
cis-1,2-Dichloroethene	NS	0.13 U	0.38 U	0.16 U
cis-1,3-Dichloropropene	NS	0.66 U	1.9 U	0.82 U
Cyclohexane	63000	1.3 U	3.8 U	1.6 U
Dichlorodifluoromethane (CFC 12)	1000	2.1	1.9	2.1
Ethyl Acetate	730	5.3	18	2.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.66 U	1.9 U	0.82 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

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REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0084 Unit 023 AMB Air 6/10/2015 VOC	239-0615-0086 Unit 023 CS Air 6/10/2015 VOC	239-0615-0085 Unit 023 LR Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.68	1.9 U	0.82 U
n-Hexane	7300	1.8	1.9 U	0.82 U
2-Propanol (Isopropyl Alcohol)	73000	9.6	33	23
m,p-Xylenes	1000	1.8	2.5	0.82 U
Dichloromethane (Methylene Chloride)	1000	0.66 U	1.9 U	0.82 U
Methyl tert-Butyl Ether	110	0.13 U	0.38 U	0.16 U
Naphthalene	0.83	0.66 U	6.5	0.82 U
o-Xylene	1000	0.66 U	1.9 U	0.82 U
Propene	31000	3.3	4.9	6.1
Styrene	10000	0.66 U	1.9 U	0.82 U
Tetrahydrofuran (THF)	21000	0.66 U	1.9 U	0.82 U
Toluene	52000	5.8	25	1.8
trans-1,2-Dichloroethene	NS	0.13 U	0.38 U	0.16 U
trans-1,3-Dichloropropene	NS	0.66 U	1.9 U	0.82 U
Trichlorofluoromethane (CFC 11)	7300	1.3	1.3	1.3
Vinyl Acetate	2100	6.6 U	19 U	8.2 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	450	570	660
Methane	NS	2.2	2.1	2.5
Helium	NS	NA	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

Exemption 7 ____ (A) Interference with Enforcement Proceedings
____ (B) Right to Fair Trial
✱ (C) Unwanted Invasion of Personal Privacy

December 16, 2015

REDACTED

Exemption 6 Personal Privacy

Subj: Analytical Results for June and July 2015 Sampling at

Dear

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted air sampling and soil gas sampling at your home. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One (1) indoor air, two (2) crawl space, (1) ambient (outdoor) air, and one (1) soil gas sample were collected at your property for a total of five (5) samples in June 2015. Due to potential concerns about data quality, EPA attempted a second soil gas sample in July 2015 for comparison. Unusually wet conditions prevented a second soil gas sample from being successfully collected at that time. However, comparisons of the June and July 2015 soil gas results on those homes where it was successful indicate that the June 2015 data is satisfactory. The indoor air and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares only the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the exceedances from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. Three (3) constituents were detected in your results above EPA site-specific screening levels (1,3-butadiene, 1,4-dichlorobenzene, and naphthalene). 1,3- butadiene was detected at levels above initial screening levels in the soil gas but there were no exceedances in the crawl space or living space indoor air. 1,4-dichlorobenzene was detected above the initial screening levels in the crawl space and living space indoor air but were below a health-based risk

management level. 1,4-dichlorobenzene was not detected at elevated concentrations in the soil gas, indicating that common household products may be contributing to the levels in the indoor air and crawl space. 1,4-dichlorobenzene is commonly found in cleaning products and mothballs. Naphthalene was detected above initial screening levels in the ambient air but was below health-based risk management levels.

Compound	Soil Gas Sampling Results		Soil Gas Vapor Intrusion Screening Level	Indoor Air (Crawl Space) Results	Indoor Air (Crawl Space) Results Duplicate	Indoor Air (First Floor) Results	Ambient Air Results	Air Vapor Intrusion Screening Level
	Dec. 2014	June 2015		June 2015				
1,3-Butadiene	28	11	8.0					0.81
1,4-Dichlorobenzene				5.2	5.3	7.2		2.5
Naphthalene							.98	.83

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

Because all results have remained below health-based risk management screening levels, this sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K. Seadler
Remedial Project Manager

Enclosure

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0110 Unit 033 SG Soil Gas 6/10/2015 VOC
Analyte	µg/m³	µg/m³
Benzene	31	9.2
1,3-Butadiene	8.0	11
Carbon Tetrachloride	41	0.51
Chloroform	1020	1.7
Dibromochloromethane	10	0.14 U
1,4-Dichlorobenzene	25	0.35
1,2-Dichloroethane	11	0.14 U
Ethylbenzene	110	12
Tetrachloroethene	420	1.8
Trichloroethene (TCE)	21	0.14
Vinyl Chloride	16	0.14 U
1,1,1-Trichloroethane (TCA)	520000	0.14
1,1,2,2-Tetrachloroethane	4.8	0.14 U
1,1,2-Trichloroethane	18	0.14 U
1,1,2-Trichlorotrifluoroethane	3100000	0.31
1,1-Dichloroethane (1,1-DCA)	180	0.14 U
1,1-Dichloroethene (1,1-DCE)	21000	0.14 U
1,2,3-Trichloropropane	31	0.69 UJ
1,2,4-Trimethylbenzene	730	20
1,2-Dibromoethane	0.47	0.14 U
1,2-Dichlorobenzene	21000	0.14 U
1,2-Dichloropropane	28	0.14 U
1,3,5-Trimethylbenzene	NS	6.9
1,3-Dichlorobenzene	NS	0.14 U
1,4-Dioxane	56	0.69 U
2-Butanone (MEK)	520000	6.9 U
2-Hexanone	3100	0.69 U
4-Ethyltoluene	NS	5.7
4-Methyl-2-pentanone	310000	0.69 U
Acetone	3200000	11
Bromoform	260	0.69 U
Bromomethane	520	0.28 U
Chlorobenzene	5200	0.14 U
Chloroethane	1000000	0.28 U
Chloromethane	9400	0.28 U
cis-1,2-Dichloroethene	NS	0.14 U
cis-1,3-Dichloropropene	NS	0.69 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
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REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0110 Unit 033 SG Soil Gas 6/10/2015 VOC
Analyte	µg/m^3	µg/m^3
Cyclohexane	630000	12
Dichlorodifluoromethane (CFC 12)	10000	1.3
Ethyl Acetate	7300	1.4 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.69 U
n-Heptane	NS	32
n-Hexane	73000	53
2-Propanol (Isopropyl Alcohol)	730000	6.9 U
m,p-Xylenes	10000	41
Dichloromethane (Methylene Chloride)	10000	1.5
Methyl tert-Butyl Ether	1100	0.14 U
Naphthalene	8.3	1.4
o-Xylene	10000	15
Propene	310000	430
Styrene	100000	0.76
Tetrahydrofuran (THF)	210000	0.69 U
Toluene	520000	58
trans-1,2-Dichloroethene	NS	0.14 U
trans-1,3-Dichloropropene	NS	0.69 U
Trichlorofluoromethane (CFC 11)	73000	0.89
Vinyl Acetate	21000	6.9 U
Analysis	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	2000
Methane	NS	5.9
Helium	NS	270000

VOC - volatile organic compounds

µg/m^3 - micrograms per cubic meter, ppmv - parts per million by volume, % - percent

U - not detected above specified reporting limit, J - estimated

NS - not specified, NA-not analyzed

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
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REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0092 Unit 033 AMB Air 6/10/2015 VOC	239-0615-0093 Unit 033 LR Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.53	0.63
1,3-Butadiene	0.80	0.33 U	0.29 U
Carbon Tetrachloride	4.1	0.47	0.47
Chloroform	102	0.27	0.75
Dibromochloromethane	1	0.16 U	0.15 U
1,4-Dichlorobenzene	2.5	0.16 U	7.2
1,2-Dichloroethane	1.1	0.16 U	1.1
Ethylbenzene	11	0.82 U	0.74 U
Tetrachloroethene	42	0.16 U	0.15 U
Trichloroethene (TCE)	2.1	0.16 U	0.15 U
Vinyl Chloride	1.6	0.16 U	0.15 U
1,1,1-Trichloroethane (TCA)	52000	0.16 U	0.15 U
1,1,2,2-Tetrachloroethane	0.48	0.16 U	0.15 U
1,1,2-Trichloroethane	1.8	0.16 U	0.15 U
1,1,2-Trichlorotrifluoroethane	310000	0.55	0.56
1,1-Dichloroethane (1,1-DCA)	18	0.16 U	0.15 U
1,1-Dichloroethene (1,1-DCE)	2100	0.16 U	0.15 U
1,2,3-Trichloropropane	3.1	0.82 UJ	0.74 UJ
1,2,4-Trimethylbenzene	73	0.82 U	3.2
1,2-Dibromoethane	0.047	0.16 U	0.15 U
1,2-Dichlorobenzene	2100	0.16 U	0.15 U
1,2-Dichloropropane	2.8	0.16 U	0.15 U
1,3,5-Trimethylbenzene	NS	0.82 U	1.0
1,3-Dichlorobenzene	NS	0.16 U	0.15 U
1,4-Dioxane	5.6	0.82 U	0.74 U
2-Butanone (MEK)	52000	8.2 U	7.4 U
2-Hexanone	310	0.82 U	0.74 U
4-Ethyltoluene	NS	0.82 U	0.74 U
4-Methyl-2-pentanone	31000	0.82 U	0.74 U
Acetone	320000	9.6	36
Bromoform	26	0.82 U	0.74 U
Bromomethane	52	0.33 U	0.29 U
Chlorobenzene	520	0.16 U	0.15 U
Chloroethane	100000	0.33 U	0.29 U
Chloromethane	940	0.51	0.62 J
cis-1,2-Dichloroethene	NS	0.16 U	0.15 U
cis-1,3-Dichloropropene	NS	0.82 U	0.74 U
Cyclohexane	63000	1.6 U	1.5 U
Dichlorodifluoromethane (CFC 12)	1000	2.1	2.1
Ethyl Acetate	730	3.1	7.2
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.82 U	0.74 U

TABLE 2
June and July 2015 Air Sampling Results
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Sample Number	Regional Screening Level	239-0615-0092	239-0615-0093
Location		Unit 033	Unit 033
Sub Location		AMB	LR
Matrix	Air	Air	Air
Sample Date		6/10/2015	6/10/2015
Analysis		VOC	VOC
Analyte	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.82 U	0.74 U
n-Hexane	7300	0.82 U	1.2
2-Propanol (Isopropyl Alcohol)	73000	8.2 U	7.4 U
m,p-Xylenes	1000	1.1	1.4
Dichloromethane (Methylene Chloride)	1000	0.82 U	0.74 U
Methyl tert-Butyl Ether	110	0.16 U	0.15 U
Naphthalene	0.83	0.98	0.74 U
o-Xylene	1000	0.82 U	0.78
Propene	31000	1.3	1.3
Styrene	10000	0.82 U	1.4
Tetrahydrofuran (THF)	21000	0.82 U	0.74 U
Toluene	52000	4.9	2.9
trans-1,2-Dichloroethene	NS	0.16 U	0.15 U
trans-1,3-Dichloropropene	NS	0.82 U	0.74 U
Trichlorofluoromethane (CFC 11)	7300	1.3	2.0
Vinyl Acetate	2100	8.2 U	7.4 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	270	550
Methane	NS	1.2	14
Helium	NS	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA - not analyzed

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption 6 Personal Privacy

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	2390615-0090 Unit033 CS Air 6/10/2015 VOC	2390615-0091 Unit033 CS CO Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.90	0.56
1,3-Butadiene	0.80	0.33 U	0.30 U
Carbon Tetrachloride	4.1	0.48	0.49
Chloroform	102	0.64	0.67
Dibromochloromethane	1	0.16 U	0.15 U
1,4-Dichlorobenzene	2.5	5.2	5.3
1,2-Dichloroethane	1.1	0.68	0.68
Ethylbenzene	11	0.82 U	0.75 U
Tetrachloroethene	42	0.16 U	0.15 U
Trichloroethene (TCE)	2.1	0.16 U	0.15 U
Vinyl Chloride	1.6	0.16 U	0.15 U
1,1,1-Trichloroethane (TCA)	52000	0.16 U	0.15 U
1,1,2,2-Tetrachloroethane	0.48	0.16 U	0.15 U
1,1,2-Trichloroethane	1.8	0.16 U	0.15 U
1,1,2-Trichlorotrifluoroethane	310000	0.56	0.55
1,1-Dichloroethane (1,1-DCA)	18	0.16 U	0.15 U
1,1-Dichloroethene (1,1-DCE)	2100	0.16 U	0.15 U
1,2,3-Trichloropropane	3.1	0.82 UJ	0.75 UJ
1,2,4-Trimethylbenzene	73	2.2	2.3
1,2-Dibromoethane	0.047	0.16 U	0.15 U
1,2-Dichlorobenzene	2100	0.16 U	0.15 U
1,2-Dichloropropane	2.8	0.16 U	0.15 U
1,3,5-Trimethylbenzene	NS	0.82 U	0.75
1,3-Dichlorobenzene	NS	0.16 U	0.15 U
1,4-Dioxane	5.6	0.82 U	0.75 U
2-Butanone (MEK)	52000	8.2 U	7.5 U
2-Hexanone	310	0.82 U	0.75 U
4-Ethyltoluene	NS	0.82 U	0.75 U
4-Methyl-2-pentanone	31000	0.82 U	0.75 U
Acetone	320000	17	25
Bromoform	26	0.82 U	0.75 U
Bromomethane	52	0.33 U	0.30 U
Chlorobenzene	520	0.16 U	0.15 U
Chloroethane	100000	0.33 U	0.3 U
Chloromethane	940	0.46	0.49
cis-1,2-Dichloroethene	NS	0.16 U	0.15 U
cis-1,3-Dichloropropene	NS	0.82 U	0.75 U
Cyclohexane	63000	1.6 U	1.5 U
Dichlorodifluoromethane (CFC 12)	1000	2.1	2.1
Ethyl Acetate	730	4.2	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.82 U	0.75 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption 6 Personal Privacy

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0090 Unit 033 CS Air 6/10/2015 VOC	239-0615-0091 Unit 033 CS CO Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.82 U	0.75 U
n-Hexane	7300	0.86	0.94
2-Propanol (Isopropyl Alcohol)	73000	8.2 U	7.5 U
m,p-Xylenes	1000	1.1	1.1
Dichloromethane (Methylene Chloride)	1000	0.82 U	0.75 U
Methyl tert-Butyl Ether	110	0.16 U	0.15 U
Naphthalene	0.83	0.82 U	0.75 U
o-Xylene	1000	0.82 U	0.75 U
Propene	31000	0.90	0.92
Styrene	10000	1.0	1.0
Tetrahydrofuran (THF)	21000	0.82 U	0.75 U
Toluene	52000	2.7	2.5
trans-1,2-Dichloroethene	NS	0.16 U	0.15 U
trans-1,3-Dichloropropene	NS	0.82 U	0.75 U
Trichlorofluoromethane (CFC 11)	7300	1.7	1.7
Vinyl Acetate	2100	8.2 U	7.5 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	680	730
Methane	NS	14	15
Helium	NS	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, %
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

REDACTED

Exemption 7 ____ (A) Interference with Enforcement Proceedings
____ (B) Right to Fair Trial
XX (C) Unwanted Invasion of Personal Privacy

December 16, 2015

Exemption 6 Personal Privacy

Subj: Analytical Results for June and July 2015 Sampling at

Dear Current Resident:

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted air sampling and soil gas sampling at your home. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One (1) indoor air, two (2) crawl space, (1) ambient (outdoor) air, and one (1) soil gas sample were collected at your property for a total of five (5) samples in June 2015. Due to potential concerns about data quality, EPA attempted a second soil gas sample in July 2015 for comparison. Unusually wet conditions prevented a second soil gas sample from being successfully collected at that time. However, comparisons of the June and July 2015 soil gas results on those homes where it was successful indicate that the June 2015 data is satisfactory. The indoor air and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares <u>only</u> the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the exceedances from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. Three (3) constituents were detected in your results above EPA site-specific screening levels (1,3-butadiene, 1,4-dichlorobenzene, and naphthalene). 1,3- butadiene was detected at levels above initial screening levels in the soil gas but there were no exceedances in the crawl space or living space indoor air. 1,4-dichlorobenzene was detected above the initial

screening levels in the crawl space and living space indoor air but were below a health-based risk management level. 1,4-dichlorobenzene was not detected at elevated concentrations in the soil gas, indicating that common household products may be contributing to the levels in the indoor air and crawl space. 1,4-dichlorobenzene is commonly found in cleaning products and mothballs. Naphthalene was detected above initial screening levels in the ambient air but was below health-based risk management levels.

Compound	Soil Gas Sampling Results		Soil Gas Vapor Intrusion Screening Level	Indoor Air (Crawl Space) Results	Indoor Air (Crawl Space) Results Duplicate	Indoor Air (First Floor) Results	Ambient Air Results	Air Vapor Intrusion Screening Level
	Dec. 2014	June 2015		June 2015				
1,3-Butadiene	28	11	8.0					0.81
1,4-Dichlorobenzene				5.2	5.3	7.2		2.5
Naphthalene							.98	.83

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

Because all results have remained below health-based risk management screening levels, this sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K. Seadler
Remedial Project Manager

Enclosure

Exemption 6 Personal Privacy

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0110 Unit 033 SG Soil Gas 6/10/2015 VOC
Analyte	µg/m³	µg/m³
Benzene	31	9.2
1,3-Butadiene	8.0	11
Carbon Tetrachloride	41	0.51
Chloroform	1020	1.7
Dibromochloromethane	10	0.14 U
1,4-Dichlorobenzene	25	0.35
1,2-Dichloroethane	11	0.14 U
Ethylbenzene	110	12
Tetrachloroethene	420	1.8
Trichloroethene (TCE)	21	0.14
Vinyl Chloride	16	0.14 U
1,1,1-Trichloroethane (TCA)	520000	0.14
1,1,2,2-Tetrachloroethane	4.8	0.14 U
1,1,2-Trichloroethane	18	0.14 U
1,1,2-Trichlorotrifluoroethane	3100000	0.31
1,1-Dichloroethane (1,1-DCA)	180	0.14 U
1,1-Dichloroethene (1,1-DCE)	21000	0.14 U
1,2,3-Trichloropropane	31	0.69 UJ
1,2,4-Trimethylbenzene	730	20
1,2-Dibromoethane	0.47	0.14 U
1,2-Dichlorobenzene	21000	0.14 U
1,2-Dichloropropane	28	0.14 U
1,3,5-Trimethylbenzene	NS	6.9
1,3-Dichlorobenzene	NS	0.14 U
1,4-Dioxane	56	0.69 U
2-Butanone (MEK)	520000	6.9 U
2-Hexanone	3100	0.69 U
4-Ethyltoluene	NS	5.7
4-Methyl-2-pentanone	310000	0.69 U
Acetone	3200000	11
Bromoform	260	0.69 U
Bromomethane	520	0.28 U
Chlorobenzene	5200	0.14 U
Chloroethane	1000000	0.28 U
Chloromethane	9400	0.28 U
cis-1,2-Dichloroethene	NS	0.14 U
cis-1,3-Dichloropropene	NS	0.69 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

REDACTED

Sample Number	Regional Screening Level	239-0615-0110
Location		Unit 033
Sub Location		SG
Matrix	Soil Gas	Soil Gas
Sample Date		6/10/2015
Analysis		VOC
Analyte	µg/m^3	µg/m^3
Cyclohexane	630000	12
Dichlorodifluoromethane (CFC 12)	10000	1.3
Ethyl Acetate	7300	1.4 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.69 U
n-Heptane	NS	32
n-Hexane	73000	53
2-Propanol (Isopropyl Alcohol)	730000	6.9 U
m,p-Xylenes	10000	41
Dichloromethane (Methylene Chloride)	10000	1.5
Methyl tert-Butyl Ether	1100	0.14 U
Naphthalene	8.3	1.4
o-Xylene	10000	15
Propene	310000	430
Styrene	100000	0.76
Tetrahydrofuran (THF)	210000	0.69 U
Toluene	520000	58
trans-1,2-Dichloroethene	NS	0.14 U
trans-1,3-Dichloropropene	NS	0.69 U
Trichlorofluoromethane (CFC 11)	73000	0.89
Vinyl Acetate	21000	6.9 U
Analysis	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	2000
Methane	NS	5.9
Helium	NS	270000

VOC - volatile organic compounds

µg/m^3 - micrograms per cubic meter, ppmv - parts per million by volume, % - percent

U - not detected above specified reporting limit, J - estimated

NS - not specified, NA-not analyzed

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption 6 Personal Privacy

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0092 Unit 033 AMB Air 6/10/2015 VOC	239-0615-0093 Unit 033 LR Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.53	0.63
1,3-Butadiene	0.80	0.33 U	0.29 U
Carbon Tetrachloride	4.1	0.47	0.47
Chloroform	102	0.17	0.75
Dibromochloromethane	1	0.16 U	0.15 U
1,4-Dichlorobenzene	2.5	0.16 U	7.2
1,2-Dichloroethane	1.1	0.16 U	1.1
Ethylbenzene	11	0.82 U	0.74 U
Tetrachloroethene	42	0.16 U	0.15 U
Trichloroethene (TCE)	2.1	0.16 U	0.15 U
Vinyl Chloride	1.6	0.16 U	0.15 U
1,1,1-Trichloroethane (TCA)	52000	0.16 U	0.15 U
1,1,2,2-Tetrachloroethane	0.48	0.16 U	0.15 U
1,1,2-Trichloroethane	1.8	0.16 U	0.15 U
1,1,2-Trichlorotrifluoroethane	310000	0.55	0.56
1,1-Dichloroethane (1,1-DCA)	18	0.16 U	0.15 U
1,1-Dichloroethene (1,1-DCE)	2100	0.16 U	0.15 U
1,2,3-Trichloropropane	3.1	0.82 UJ	0.74 UJ
1,2,4-Trimethylbenzene	73	0.82 U	3.2
1,2-Dibromoethane	0.047	0.16 U	0.15 U
1,2-Dichlorobenzene	2100	0.16 U	0.15 U
1,2-Dichloropropane	2.8	0.16 U	0.15 U
1,3,5-Trimethylbenzene	NS	0.82 U	1.0
1,3-Dichlorobenzene	NS	0.16 U	0.15 U
1,4-Dioxane	5.6	0.82 U	0.74 U
2-Butanone (MEK)	52000	8.2 U	7.4 U
2-Hexanone	310	0.82 U	0.74 U
4-Ethyltoluene	NS	0.82 U	0.74 U
4-Methyl-2-pentanone	31000	0.82 U	0.74 U
Acetone	320000	9.6	36
Bromoform	26	0.82 U	0.74 U
Bromomethane	52	0.33 U	0.29 U
Chlorobenzene	520	0.16 U	0.15 U
Chloroethane	100000	0.33 U	0.29 U
Chloromethane	940	0.51	0.62 J
cis-1,2-Dichloroethene	NS	0.16 U	0.15 U
cis-1,3-Dichloropropene	NS	0.82 U	0.74 U
Cyclohexane	63000	1.6 U	1.5 U
Dichlorodifluoromethane (CFC 12)	1000	2.1	2.1
Ethyl Acetate	730	3.1	7.2
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.82 U	0.74 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption 6 Personal Privacy

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0092 Unit 033 AMB Air 6/10/2015 VOC	239-0615-0093 Unit 033 LR Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.82 U	0.74 U
n-Hexane	7300	0.82 U	1.2
2-Propanol (Isopropyl Alcohol)	73000	8.2 U	7.4 U
m,p-Xylenes	1000	1.1	1.4
Dichloromethane (Methylene Chloride)	1000	0.82 U	0.74 U
Methyl tert-Butyl Ether	110	0.16 U	0.15 U
Naphthalene	0.83	0.98	0.74 U
o-Xylene	1000	0.82 U	0.78
Propene	31000	1.3	1.3
Styrene	10000	0.82 U	1.4
Tetrahydrofuran (THF)	21000	0.82 U	0.74 U
Toluene	52000	4.9	2.9
trans-1,2-Dichloroethene	NS	0.16 U	0.15 U
trans-1,3-Dichloropropene	NS	0.82 U	0.74 U
Trichlorofluoromethane (CFC 11)	7300	1.3	2.0
Vinyl Acetate	2100	8.2 U	7.4 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	270	550
Methane	NS	1.2	14
Helium	NS	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption 6 Personal Privacy

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis Analyte	Regional Screening Level Air	239-0615-0090 Unit 033 CS Air 6/10/2015 VOC	239-0615-0091 Unit 033 GS CO Air 6/10/2015 VOC
	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.90	0.56
1,3-Butadiene	0.80	0.33 U	0.30 U
Carbon Tetrachloride	4.1	0.48	0.49
Chloroform	102	0.64	0.67
Dibromochloromethane	1	0.16 U	0.15 U
1,4-Dichlorobenzene	2.5	5.2	5.3
1,2-Dichloroethane	1.1	0.68	0.68
Ethylbenzene	11	0.82 U	0.75 U
Tetrachloroethene	42	0.16 U	0.15 U
Trichloroethene (TCE)	2.1	0.16 U	0.15 U
Vinyl Chloride	1.6	0.16 U	0.15 U
1,1,1-Trichloroethane (TCA)	52000	0.16 U	0.15 U
1,1,2,2-Tetrachloroethane	0.48	0.16 U	0.15 U
1,1,2-Trichloroethane	1.8	0.16 U	0.15 U
1,1,2-Trichlorotrifluoroethane	310000	0.56	0.55
1,1-Dichloroethane (1,1-DCA)	18	0.16 U	0.15 U
1,1-Dichloroethene (1,1-DCE)	2100	0.16 U	0.15 U
1,2,3-Trichloropropane	3.1	0.82 UJ	0.75 UJ
1,2,4-Trimethylbenzene	73	2.2	2.3
1,2-Dibromoethane	0.047	0.16 U	0.15 U
1,2-Dichlorobenzene	2100	0.16 U	0.15 U
1,2-Dichloropropane	2.8	0.16 U	0.15 U
1,3,5-Trimethylbenzene	NS	0.82 U	0.75
1,3-Dichlorobenzene	NS	0.16 U	0.15 U
1,4-Dioxane	5.6	0.82 U	0.75 U
2-Butanone (MEK)	52000	8.2 U	7.5 U
2-Hexanone	310	0.82 U	0.75 U
4-Ethyltoluene	NS	0.82 U	0.75 U
4-Methyl-2-pentanone	31000	0.82 U	0.75 U
Acetone	320000	17	25
Bromoform	26	0.82 U	0.75 U
Bromomethane	52	0.33 U	0.30 U
Chlorobenzene	520	0.16 U	0.15 U
Chloroethane	100000	0.33 U	0.3 U
Chloromethane	940	0.46	0.49
cis-1,2-Dichloroethene	NS	0.16 U	0.15 U
cis-1,3-Dichloropropene	NS	0.82 U	0.75 U
Cyclohexane	63000	1.6 U	1.5 U
Dichlorodifluoromethane (CFC 12)	1000	2.1	2.1
Ethyl Acetate	730	4.2	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.82 U	0.75 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption 6 Personal Privacy

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0090 Unit 033 CS Air 6/10/2015 VOC	239-0615-0091 Unit 033 CS CO Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.82 U	0.75 U
n-Hexane	7300	0.86	0.94
2-Propanol (Isopropyl Alcohol)	73000	8.2 U	7.5 U
m,p-Xylenes	1000	1.1	1.1
Dichloromethane (Methylene Chloride)	1000	0.82 U	0.75 U
Methyl tert-Butyl Ether	110	0.16 U	0.15 U
Naphthalene	0.83	0.82 U	0.75 U
o-Xylene	1000	0.82 U	0.75 U
Propene	31000	0.90	0.92
Styrene	10000	1.0	1.0
Tetrahydrofuran (THF)	21000	0.82 U	0.75 U
Toluene	52000	2.7	2.5
trans-1,2-Dichloroethene	NS	0.16 U	0.15 U
trans-1,3-Dichloropropene	NS	0.82 U	0.75 U
Trichlorofluoromethane (CFC 11)	7300	1.7	1.7
Vinyl Acetate	2100	8.2 U	7.5 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	680	730
Methane	NS	14	15
Helium	NS	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % -
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

December 16, 2015

REDACTED

Exemption 7 ____ (A) Interference with Enforcement Proceedings
____ (B) Right to Fair Trial
X (C) Unwanted Invasion of Personal Privacy

Exemption 6 Personal Privacy

Subj: Analytical Results for June and July 2015 Sampling at

Dear

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted air sampling and soil gas sampling at your home. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One (1) crawl space air, two (2) indoor air, one (1) ambient (outdoor) air, and one (1) soil gas sample were collected at your property for a total of six (6) samples in June 2015. Due to potential concerns about data quality, a second soil gas sample was collected in July 2015 for comparison. Two (2) ambient air samples were taken at that time, also. The crawl space air, indoor air, and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares only the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the exceedances from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. Four (4) constituents were detected in your results above EPA site-specific screening levels (1,3-butadiene, 1,2-dichloroethane, benzene, and naphthalene). 1,3- butadiene was detected at levels above initial screening levels in the soil gas and indoor air but were below a health-based risk management level. 1,2-dichloroethane, benzene, and naphthalene were detected above the initial screening levels in the living space indoor air but were below a health-

based risk management level. Neither naphthalene, benzene, nor 1,2-dichlorethane were detected at elevated concentrations in the soil gas, indicating that common household products may be contributing to the levels in the indoor air and crawl space. These constituents are frequently found in cleaning products and mothballs. 1,3-butadiene can also be found in cigarette smoke.

Compound	Soil Gas Sampling Results	Soil Gas Vapor Intrusion Screening Level	Indoor Air (First Floor) Results	Indoor Air (Crawl Space) Results	Indoor Air (First Floor) Results	Indoor Air (First Floor) Results Duplicate	Ambient Air Results	Air Vapor Intrusion Screening Level
	Dec 2014		Nov 2014	June 2015				
1,3-Butadiene	23	8.0	6.7	2.8	4.3	4.7		0.81
1,2-Dichloroethane			1.6		1.8	2.1		1.1
Benzene			6.3	3.3	5.6	6.4		3.1
Naphthalene				6.3	1.3	1.5	2.3	.83

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

Because all results have remained below health-based risk management screening levels, this sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K. Seadler

Donna K. Seadler
Remedial Project Manager

Enclosures

Exemption 6 Personal Privacy

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0105 Unit 007 SG Soil Gas 6/10/2015 VOC	239-0715-0081 Unit 007 SG Soil Gas 7/24/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Benzene	31	11	0.51 U
1,3-Butadiene	8.0	5.9	0.32 U
Carbon Tetrachloride	41	0.37	0.45
Chloroform	1020	0.76	0.21
Dibromochloromethane	10	0.16 U	0.16 U
1,4-Dichlorobenzene	25	0.16 U	0.16 U
1,2-Dichloroethane	11	0.16 U	0.16 U
Ethylbenzene	110	8.90	0.79 U
Tetrachloroethene	420	1.60	0.16 U
Trichloroethene (TCE)	21	0.33	0.16 U
Vinyl Chloride	16	0.16 U	0.16 U
1,1,1-Trichloroethane (TCA)	520000	0.16 U	0.16 U
1,1,2,2-Tetrachloroethane	4.8	0.16 U	0.16 U
1,1,2-Trichloroethane	18	0.16 U	0.16 U
1,1,2-Trichlorotrifluoroethane	3100000	0.40	0.50
1,1-Dichloroethane (1,1-DCA)	180	0.16 U	0.16 U
1,1-Dichloroethene (1,1-DCE)	21000	0.16 U	0.16 U
1,2,3-Trichloropropane	31	0.82 UJ	0.79 UJ
1,2,4-Trimethylbenzene	730	11.00	0.94
1,2-Dibromoethane	0.47	0.16 U	0.16 U
1,2-Dichlorobenzene	21000	0.16 U	0.16 U
1,2-Dichloropropane	28	0.16 U	0.16 U
1,3,5-Trimethylbenzene	NS	4.30	0.79 U
1,3-Dichlorobenzene	NS	0.16 U	0.16 U
1,4-Dioxane	56	0.82 U	0.79 U
2-Butanone (MEK)	520000	8.2 U	7.9 U
2-Hexanone	3100	0.82 U	0.79 U
4-Ethyltoluene	NS	3.00	0.79 U
4-Methyl-2-pentanone	310000	0.82 U	0.79 U
Acetone	3200000	20.00	23
Bromoform	260	0.82 U	0.79 U
Bromomethane	520	0.33 U	0.16 U
Chlorobenzene	5200	0.16 U	0.16 U
Chloroethane	1000000	0.33 U	0.16 U
Chloromethane	9400	0.33 U	0.33
cis-1,2-Dichloroethene	NS	0.16 U	0.16 U
cis-1,3-Dichloropropene	NS	0.82 U	0.79 U

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TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0105 Unit 007 SG Soil Gas 6/10/2015 VOC	239-0715-0081 Unit 007 SG Soil Gas 7/24/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Cyclohexane	630000	13	1.6 U
Dichlorodifluoromethane (CFC 12)	10000	1.3	2.4
Ethyl Acetate	7300	1.6 U	1.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.82 U	0.79 U
n-Heptane	NS	22	0.79 U
n-Hexane	73000	34	3.5
2-Propanol (Isopropyl Alcohol)	730000	8.2 U	7.9 U
m,p-Xylenes	10000	28	1.7
Dichloromethane (Methylene Chloride)	10000	2.9	0.79 U
Methyl tert-Butyl Ether	1100	0.16 U	0.16 U
Naphthalene	8.3	1.5	0.79 U
o-Xylene	10000	11	0.79 U
Propene	310000	73	6.1
Styrene	100000	0.82 U	0.79 U
Tetrahydrofuran (THF)	210000	0.82 U	0.79 U
Toluene	520000	52	5.4
trans-1,2-Dichloroethene	NS	0.16 U	0.16 U
trans-1,3-Dichloropropene	NS	0.82 U	0.79 U
Trichlorofluoromethane (CFC 11)	73000	1.9	1.1
Vinyl Acetate	21000	8.2 U	8.0
Analysis	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	20000	0.16 U
Methane	NS	7.9 U	0.16 U
Helium	NS	390000	53

VOC - volatile organic compounds

µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent

U - not detected above specified reporting limit, J - estimated

NS - not specified, NA-not analyzed

Exemption 6 Personal Privacy

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0097 Unit 007 AMB Air 6/10/2015 VOC	239-0715-0082 Unit 007 Ambient Air 7/25/2015 VOC	239-0715-0083 Unit 007 Ambient CO Air 7/25/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.57	0.45 U	0.46 U
1,3-Butadiene	0.80	0.34 U	0.35 U	0.32
Carbon Tetrachloride	4.1	0.54	0.45	0.45
Chloroform	102	0.43	0.26	0.27
Dibromochloromethane	1.0	0.17 U	0.17 U	0.15 U
1,4-Dichlorobenzene	2.5	0.17 U	0.17 U	0.15 U
1,2-Dichloroethane	1.1	0.17 U	0.17 U	0.15 U
Ethylbenzene	11	0.85 U	0.87 U	0.94
Tetrachloroethene	42	0.17 U	0.19	0.23
Trichloroethene (TCE)	2.1	0.17 U	0.17 U	0.15 U
Vinyl Chloride	1.6	0.17 U	0.17 U	0.15 U
1,1,1-Trichloroethane (TCA)	52000	0.17 U	0.17 U	0.15 U
1,1,2,2-Tetrachloroethane	0.48	0.17 U	0.17 U	0.15 U
1,1,2-Trichloroethane	1.8	0.17 U	0.17 U	0.15 U
1,1,2-Trichlorotrifluoroethane	310000	0.62	0.52	0.51
1,1-Dichloroethane (1,1-DCA)	18	0.17 U	0.17 U	0.15 U
1,1-Dichloroethene (1,1-DCE)	2100	0.17 U	0.17 U	0.15 U
1,2,3-Trichloropropane	3.1	0.85 UJ	0.87 UJ	0.76 UJ
1,2,4-Trimethylbenzene	73	1.50	0.87 U	3.0
1,2-Dibromoethane	0.047	0.17 U	0.17 U	0.15 U
1,2-Dichlorobenzene	2100	0.17 U	0.17 U	0.15 U
1,2-Dichloropropane	2.8	0.17 U	0.17 U	0.15 U
1,3,5-Trimethylbenzene	NS	0.85 U	0.87 U	0.76
1,3-Dichlorobenzene	NS	0.17 U	0.17 U	0.15 U
1,4-Dioxane	5.6	0.85 U	0.87 U	0.76 U
2-Butanone (MEK)	52000	8.5 U	8.7 U	7.6 U
2-Hexanone	310	0.85 U	0.87 U	0.76 U
4-Ethyltoluene	NS	0.85 U	0.87 U	0.76 U
4-Methyl-2-pentanone	31000	0.85 U	0.87 U	2.0
Acetone	320000	19.00	12	19
Bromoform	26	0.85 U	0.87 U	0.76 U
Bromomethane	52	0.34 U	0.17 U	0.15 U
Chlorobenzene	520	0.17 U	0.17 U	0.15 U
Chloroethane	100000	0.34 U	0.17 U	0.15 U
Chloromethane	940	0.34 U	0.35 U	0.30 U
cis-1,2-Dichloroethene	NS	0.17 U	0.17 U	0.15 U
cis-1,3-Dichloropropene	NS	0.85 U	0.87 U	0.76 U
Cyclohexane	63000	1.7 U	1.7 U	1.5 U
Dichlorodifluoromethane (CFC 12)	1000	2.9	2.4	2.4
Ethyl Acetate	730	6.2	2.0	4.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.85 U	0.87 U	0.76 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

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Sample Number	Regional Screening Level	239-0615-0097	239-0715-0082	239-0715-0083
Location		Unit 007	Unit 007	Unit 007
Sub Location		AMB	Ambient	Ambient CO
Matrix	Air	Air	Air	Air
Sample Date		6/10/2015	7/25/2015	7/25/2015
Analysis		VOC	VOC	VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.85 U	0.87 U	2.2
n-Hexane	7300	0.85 U	1.3	1.4
2-Propanol (Isopropyl Alcohol)	73000	8.5 U	8.7 U	12
m,p-Xylenes	1000	2.7	1.4	4.3
Dichloromethane (Methylene Chloride)	1000	0.85 U	0.87 U	0.76 U
Methyl tert-Butyl Ether	110	0.17 U	0.17 U	0.15 U
Naphthalene	0.83	2.3	0.87 U	2.1
o-Xylene	1000	1.3	0.87 U	1.8
Propene	31000	1.1	1.3	8.5
Styrene	10000	0.85 U	0.87 U	0.76 U
Tetrahydrofuran (THF)	21000	0.85 U	0.87 U	0.76 U
Toluene	52000	7.70	5.1	16
trans-1,2-Dichloroethene	NS	0.17 U	0.17 U	0.15 U
trans-1,3-Dichloropropene	NS	0.85 U	0.87 U	0.76 U
Trichlorofluoromethane (CFC 11)	7300	1.60	1.1	1.2
Vinyl Acetate	2100	8.5 U	8.7 U	7.6 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	550	0.17 U	0.15 U
Methane	NS	2.9	0.17 U	0.15 U
Helium	NS	NA	43 U	38 U

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

Exemption 6 Personal Privacy

REDACTED

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0096 Unit 007 CS Air 6/10/2015 VOC	239-0615-0094 Unit 007 LR Air 6/10/2015 VOC	239-0615-0095 Unit 007 LR GO Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
Benzene	3.1	3.3	5.6	6.4
1,3-Butadiene	0.80	2.8	4.3	4.7
Carbon Tetrachloride	4.1	0.47	0.53	0.58
Chloroform	102	1.4	1.3	1.5
Dibromochloromethane	1.0	0.18 U	0.25	0.29
1,4-Dichlorobenzene	2.5	0.26	0.16	0.18
1,2-Dichloroethane	1.1	0.66	1.8	2.1
Ethylbenzene	11	1.7	4.0	4.6
Tetrachloroethene	42	0.29	0.13 U	0.16 U
Trichloroethene (TCE)	2.1	0.18 U	0.13 U	0.16 U
Vinyl Chloride	1.6	0.18 U	0.13 U	0.16 U
1,1,1-Trichloroethane (TCA)	52000	0.18 U	0.13 U	0.16 U
1,1,2,2-Tetrachloroethane	0.48	0.18 U	0.13 U	0.16 U
1,1,2-Trichloroethane	1.8	0.18 U	0.13 U	0.16 U
1,1,2-Trichlorotrifluoroethane	310000	0.53	0.59	0.68
1,1-Dichloroethane (1,1-DCA)	18	0.18 U	0.13 U	0.16 U
1,1-Dichloroethene (1,1-DCE)	2100	0.18 U	0.13 U	0.16 U
1,2,3-Trichloropropane	3.1	0.92 UJ	0.66 UJ	0.79 UJ
1,2,4-Trimethylbenzene	73	0.92 U	1.5	1.7
1,2-Dibromoethane	0.047	0.18 U	0.13 U	0.16 U
1,2-Dichlorobenzene	2100	0.18 U	0.13 U	0.16 U
1,2-Dichloropropane	2.8	0.18 U	0.13 U	0.16 U
1,3,5-Trimethylbenzene	NS	0.92 U	0.66 U	0.79 U
1,3-Dichlorobenzene	NS	0.18 U	0.13 U	0.16 U
1,4-Dioxane	5.6	0.92 U	0.66 U	0.79 U
2-Butanone (MEK)	52000	9.2 U	7.9	9.1
2-Hexanone	310	0.92 U	0.66 U	0.79 U
4-Ethyltoluene	NS	0.92 U	0.66 U	0.79 U
4-Methyl-2-pentanone	31000	0.92 U	0.66 U	0.79 U
Acetone	320000	27	66	74
Bromoform	26	0.92 U	0.66 U	0.79 U
Bromomethane	52	0.37 U	0.26 U	0.32 U
Chlorobenzene	520	0.18 U	0.13 U	0.16 U
Chloroethane	100000	0.37 U	0.26 U	0.32 U
Chloromethane	940	2.1	3.6	3.0
cis-1,2-Dichloroethene	NS	0.18 U	0.13 U	0.16 U
cis-1,3-Dichloropropene	NS	0.92 U	0.66 U	0.79 U
Cyclohexane	63000	1.8 U	1.3 U	1.6 U
Dichlorodifluoromethane (CFC 12)	1000	2.0	2.2	2.5
Ethyl Acetate	730	5.0	16	18
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.92 U	0.66 U	0.79 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

REDACTED

Sample Number	Regional Screening Level	239-0615-0096	239-0615-0094	239-0615-0095
Location		Unit 007	Unit 007	Unit 007
Sub Location		CS	LR	LR CO
Matrix	Air	Air	Air	Air
Sample Date		6/10/2015	6/10/2015	6/10/2015
Analysis		VOC	VOC	VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
n-Heptane	NS	1.0	2.0	2.2
n-Hexane	7300	1.1	0.85	0.98
2-Propanol (Isopropyl Alcohol)	73000	9.2 U	6.6 U	7.9 U
m,p-Xylenes	1000	4.5	9.7	11
Dichloromethane (Methylene Chloride)	1000	0.92 U	0.66 U	0.79 U
Methyl tert-Butyl Ether	110	0.18 U	0.13 U	0.16 U
Naphthalene	0.83	6.3	1.3	1.5
o-Xylene	1000	1.4	2.6	3.0
Propene	31000	12	16	17
Styrene	10000	1.3	4.0	4.7
Tetrahydrofuran (THF)	21000	0.92 U	0.66 U	0.79 U
Toluene	52000	18	17	20
trans-1,2-Dichloroethene	NS	0.18 U	0.13 U	0.16 U
trans-1,3-Dichloropropene	NS	0.92 U	0.66 U	0.79 U
Trichlorofluoromethane (CFC 11)	7300	7.7	15	17
Vinyl Acetate	2100	9.2 U	6.6 U	7.9 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	440	590	740
Methane	NS	1.4	1.5	1.4
Helium	NS	NA	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume,
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

December 16, 2015

REDACTED

Exemption 7 ____ (A) Interference with Enforcement Proceedings
____ (B) Right to Fair Trial
4 (C) Unwanted Invasion of Personal Privacy

Exemption 6 Personal Privacy

Subj: Analytical Results for June and July 2015 Sampling at

Dear

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted air sampling and soil gas sampling at your home. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One (1) crawl space air, two (2) indoor air, one (1) ambient (outdoor) air, and one (1) soil gas sample were collected at your property for a total of six (6) samples in June 2015. Due to potential concerns about data quality, a second soil gas sample was collected in July 2015 for comparison. Two (2) ambient air samples were taken at that time, also. The crawl space air, indoor air, and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares only the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the exceedances from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. Four (4) constituents were detected in your results above EPA site-specific screening levels (1,3-butadiene, 1,2-dichloroethane, benzene, and naphthalene). 1,3- butadiene was detected at levels above initial screening levels in the soil gas and indoor air but were below a health-based risk management level. 1,2-dichloroethane, benzene, and naphthalene were detected above the initial screening levels in the living space indoor air but were below a health-

based risk management level. Neither naphthalene, benzene nor 1,2-dichlorethane were detected at elevated concentrations in the soil gas, indicating that common household products may be contributing to the levels in the indoor air and crawl space. These constituents are frequently found in cleaning products and mothballs. 1,3-butadiene can also be found in cigarette smoke.

Compound	Soil Gas Sampling Results	Soil Gas Vapor Intrusion Screening Level	Indoor Air (First Floor) Results	Indoor Air (Crawl Space) Results	Indoor Air (First Floor) Results	Indoor Air (First Floor) Results Duplicate	Ambient Air Results	Air Vapor Intrusion Screening Level
	Dec 2014		Nov 2014	June 2015				
1,3-Butadiene	23	8.0	6.7	2.8	4.3	4.7		0.81
1,2-Dichloroethane			1.6		1.8	2.1		1.1
Benzene			6.3	3.3	5.6	6.4		3.1
Naphthalene				6.3	1.3	1.5	2.3	.83

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

Because all results have remained below health-based risk management screening levels, this sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K. Seadler
Remedial Project Manager

Enclosures

Exemption 6 Personal Privacy

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0105 Unit 007 SG Soil Gas 6/10/2015 VOC	239-0715-0081 Unit 007 SG Soil Gas 7/24/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Benzene	31	11	0.51 U
1,3-Butadiene	8.0	5.9	0.32 U
Carbon Tetrachloride	41	0.37	0.45
Chloroform	1020	0.76	0.21
Dibromochloromethane	10	0.16 U	0.16 U
1,4-Dichlorobenzene	25	0.16 U	0.16 U
1,2-Dichloroethane	11	0.16 U	0.16 U
Ethylbenzene	110	8.90	0.79 U
Tetrachloroethene	420	1.60	0.16 U
Trichloroethene (TCE)	21	0.33	0.16 U
Vinyl Chloride	16	0.16 U	0.16 U
1,1,1-Trichloroethane (TCA)	520000	0.16 U	0.16 U
1,1,2,2-Tetrachloroethane	4.8	0.16 U	0.16 U
1,1,2-Trichloroethane	18	0.16 U	0.16 U
1,1,2-Trichlorotrifluoroethane	3100000	0.40	0.50
1,1-Dichloroethane (1,1-DCA)	180	0.16 U	0.16 U
1,1-Dichloroethene (1,1-DCE)	21000	0.16 U	0.16 U
1,2,3-Trichloropropane	31	0.82 UJ	0.79 UJ
1,2,4-Trimethylbenzene	730	11.00	0.94
1,2-Dibromoethane	0.47	0.16 U	0.16 U
1,2-Dichlorobenzene	21000	0.16 U	0.16 U
1,2-Dichloropropane	28	0.16 U	0.16 U
1,3,5-Trimethylbenzene	NS	4.30	0.79 U
1,3-Dichlorobenzene	NS	0.16 U	0.16 U
1,4-Dioxane	56	0.82 U	0.79 U
2-Butanone (MEK)	520000	8.2 U	7.9 U
2-Hexanone	3100	0.82 U	0.79 U
4-Ethyltoluene	NS	3.00	0.79 U
4-Methyl-2-pentanone	310000	0.82 U	0.79 U
Acetone	3200000	20.00	23
Bromoform	260	0.82 U	0.79 U
Bromomethane	520	0.33 U	0.16 U
Chlorobenzene	5200	0.16 U	0.16 U
Chloroethane	1000000	0.33 U	0.16 U
Chloromethane	9400	0.33 U	0.33
cis-1,2-Dichloroethene	NS	0.16 U	0.16 U
cis-1,3-Dichloropropene	NS	0.82 U	0.79 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
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REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level	239-0615-0105 Unit 007 SG Soil Gas 6/10/2015 VOC	239-0715-0081 Unit 007 SG Soil Gas 7/24/2015 VOC
Analyte			
	Soil Gas		
Cyclohexane	µg/m³	µg/m³	µg/m³
Dichlorodifluoromethane (CFC 12)	630000	13	1.6 U
Ethyl Acetate	10000	1.3	2.4
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	7300	1.6 U	1.8
n-Heptane	NS	0.82 U	0.79 U
n-Hexane	NS	22	0.79 U
2-Propanol (Isopropyl Alcohol)	73000	34	3.5
m,p-Xylenes	730000	8.2 U	7.9 U
Dichloromethane (Methylene Chloride)	10000	28	1.7
Methyl tert-Butyl Ether	10000	2.9	0.79 U
Naphthalene	1100	0.16 U	0.16 U
o-Xylene	8.3	1.5	0.79 U
Propene	10000	11	0.79 U
Styrene	310000	73	6.1
Tetrahydrofuran (THF)	100000	0.82 U	0.79 U
Toluene	210000	0.82 U	0.79 U
trans-1,2-Dichloroethene	520000	52	5.4
trans-1,3-Dichloropropene	NS	0.16 U	0.16 U
Trichlorofluoromethane (CFC 11)	NS	0.82 U	0.79 U
Vinyl Acetate	73000	1.9	1.1
Analysis	21000	8.2 U	8.0
Carbon Dioxide	Fixed Gas	Fixed Gas	Fixed Gas
Methane	NS	20000	0.16 U
Helium	NS	7.9 U	0.16 U
	NS	390000	53

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

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TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
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REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0097 Unit007 AMB Air 6/10/2015 VOC	239-0715-0082 Unit 007 Ambient Air 7/25/2015 VOC	239-0715-0083 Unit 007 Ambient CO Air 7/25/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.57	0.45 U	0.46 U
1,3-Butadiene	0.80	0.34 U	0.35 U	0.32
Carbon Tetrachloride	4.1	0.54	0.45	0.45
Chloroform	102	0.43	0.26	0.27
Dibromochloromethane	1.0	0.17 U	0.17 U	0.15 U
1,4-Dichlorobenzene	2.5	0.17 U	0.17 U	0.15 U
1,2-Dichloroethane	1.1	0.17 U	0.17 U	0.15 U
Ethylbenzene	11	0.85 U	0.87 U	0.94
Tetrachloroethene	42	0.17 U	0.19	0.23
Trichloroethene (TCE)	2.1	0.17 U	0.17 U	0.15 U
Vinyl Chloride	1.6	0.17 U	0.17 U	0.15 U
1,1,1-Trichloroethane (TCA)	52000	0.17 U	0.17 U	0.15 U
1,1,2,2-Tetrachloroethane	0.48	0.17 U	0.17 U	0.15 U
1,1,2-Trichloroethane	1.8	0.17 U	0.17 U	0.15 U
1,1,2-Trichlorotrifluoroethane	310000	0.62	0.52	0.51
1,1-Dichloroethane (1,1-DCA)	18	0.17 U	0.17 U	0.15 U
1,1-Dichloroethene (1,1-DCE)	2100	0.17 U	0.17 U	0.15 U
1,2,3-Trichloropropane	3.1	0.85 UJ	0.87 UJ	0.76 UJ
1,2,4-Trimethylbenzene	73	1.50	0.87 U	3.0
1,2-Dibromoethane	0.047	**0.17 U**	**0.17 U**	**0.15 U**
1,2-Dichlorobenzene	2100	0.17 U	0.17 U	0.15 U
1,2-Dichloropropane	2.8	0.17 U	0.17 U	0.15 U
1,3,5-Trimethylbenzene	NS	0.85 U	0.87 U	0.76
1,3-Dichlorobenzene	NS	0.17 U	0.17 U	0.15 U
1,4-Dioxane	5.6	0.85 U	0.87 U	0.76 U
2-Butanone (MEK)	52000	8.5 U	8.7 U	7.6 U
2-Hexanone	310	0.85 U	0.87 U	0.76 U
4-Ethyltoluene	NS	0.85 U	0.87 U	0.76 U
4-Methyl-2-pentanone	31000	0.85 U	0.87 U	2.0
Acetone	320000	19.00	12	19
Bromoform	26	0.85 U	0.87 U	0.76 U
Bromomethane	52	0.34 U	0.17 U	0.15 U
Chlorobenzene	520	0.17 U	0.17 U	0.15 U
Chloroethane	100000	0.34 U	0.17 U	0.15 U
Chloromethane	940	0.34 U	0.35 U	0.30 U
cis-1,2-Dichloroethene	NS	0.17 U	0.17 U	0.15 U
cis-1,3-Dichloropropene	NS	0.85 U	0.87 U	0.76 U
Cyclohexane	63000	1.7 U	1.7 U	1.5 U
Dichlorodifluoromethane (CFC 12)	1000	2.9	2.4	2.4
Ethyl Acetate	730	6.2	2.0	4.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.85 U	0.87 U	0.76 U

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TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
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Sample Number	Regional Screening Level	239-0615-0097	239-0715-0082	239-0715-0083
Location		Unit 007	Unit 007	Unit 007
Sub Location		AMB	Ambient	Ambient CO
Matrix		Air	Air	Air
Sample Date		6/10/2015	7/25/2015	7/25/2015
Analysis		VOC	VOC	VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.85 U	0.87 U	2.2
n-Hexane	7300	0.85 U	1.3	1.4
2-Propanol (Isopropyl Alcohol)	73000	8.5 U	8.7 U	12
m,p-Xylenes	1000	2.7	1.4	4.3
Dichloromethane (Methylene Chloride)	1000	0.85 U	0.87 U	0.76 U
Methyl tert-Butyl Ether	110	0.17 U	0.17 U	0.15 U
Naphthalene	0.83	2.3	0.87 U	2.1
o-Xylene	1000	1.3	0.87 U	1.8
Propene	31000	1.1	1.3	8.5
Styrene	10000	0.85 U	0.87 U	0.76 U
Tetrahydrofuran (THF)	21000	0.85 U	0.87 U	0.76 U
Toluene	52000	7.70	5.1	16
trans-1,2-Dichloroethene	NS	0.17 U	0.17 U	0.15 U
trans-1,3-Dichloropropene	NS	0.85 U	0.87 U	0.76 U
Trichlorofluoromethane (CFC 11)	7300	1.60	1.1	1.2
Vinyl Acetate	2100	8.5 U	8.7 U	7.6 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	550	0.17 U	0.15 U
Methane	NS	2.9	0.17 U	0.15 U
Helium	NS	NA	43 U	38 U

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

Exemption 6 Personal Privacy

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
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REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0096 Unit 007 CS Air 6/10/2015 VOC	239-0615-0094 Unit 007 LR Air 6/10/2015 VOC	239-0615-0095 Unit 007 LR CO Air 6/10/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³	µg/m³
Benzene	3.1	**3.3**	**5.6**	**6.4**
1,3-Butadiene	0.80	**2.8**	**4.3**	**4.7**
Carbon Tetrachloride	4.1	0.47	0.53	0.58
Chloroform	102	1.4	1.3	1.5
Dibromochloromethane	1.0	0.18 U	0.25	0.29
1,4-Dichlorobenzene	2.5	0.26	0.16	0.18
1,2-Dichloroethane	1.1	0.66	**1.8**	**2.1**
Ethylbenzene	11	1.7	4.0	4.6
Tetrachloroethene	42	0.29	0.13 U	0.16 U
Trichloroethene (TCE)	2.1	0.18 U	0.13 U	0.16 U
Vinyl Chloride	1.6	0.18 U	0.13 U	0.16 U
1,1,1-Trichloroethane (TCA)	52000	0.18 U	0.13 U	0.16 U
1,1,2,2-Tetrachloroethane	0.48	0.18 U	0.13 U	0.16 U
1,1,2-Trichloroethane	1.8	0.18 U	0.13 U	0.16 U
1,1,2-Trichlorotrifluoroethane	310000	0.53	0.59	0.68
1,1-Dichloroethane (1,1-DCA)	18	0.18 U	0.13 U	0.16 U
1,1-Dichloroethene (1,1-DCE)	2100	0.18 U	0.13 U	0.16 U
1,2,3-Trichloropropane	3.1	0.92 UJ	0.66 UJ	0.79 UJ
1,2,4-Trimethylbenzene	73	0.92 U	1.5	1.7
1,2-Dibromoethane	0.047	**0.18 U**	**0.13 U**	**0.16 U**
1,2-Dichlorobenzene	2100	0.18 U	0.13 U	0.16 U
1,2-Dichloropropane	2.8	0.18 U	0.13 U	0.16 U
1,3,5-Trimethylbenzene	NS	0.92 U	0.66 U	0.79 U
1,3-Dichlorobenzene	NS	0.18 U	0.13 U	0.16 U
1,4-Dioxane	5.6	0.92 U	0.66 U	0.79 U
2-Butanone (MEK)	52000	9.2 U	7.9	9.1
2-Hexanone	310	0.92 U	0.66 U	0.79 U
4-Ethyltoluene	NS	0.92 U	0.66 U	0.79 U
4-Methyl-2-pentanone	31000	0.92 U	0.66 U	0.79 U
Acetone	320000	27	66	74
Bromoform	26	0.92 U	0.66 U	0.79 U
Bromomethane	52	0.37 U	0.26 U	0.32 U
Chlorobenzene	520	0.18 U	0.13 U	0.16 U
Chloroethane	100000	0.37 U	0.26 U	0.32 U
Chloromethane	940	2.1	3.6	3.0
cis-1,2-Dichloroethene	NS	0.18 U	0.13 U	0.16 U
cis-1,3-Dichloropropene	NS	0.92 U	0.66 U	0.79 U
Cyclohexane	63000	1.8 U	1.3 U	1.6 U
Dichlorodifluoromethane (CFC 12)	1000	2.0	2.2	2.5
Ethyl Acetate	730	5.0	16	18
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.92 U	0.66 U	0.79 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
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Sample Number Location Sub Location Matrix Sample Date Analysis Analyte	Regional Screening Level Air	239-0615-0096 Unit 007 CS Air 6/10/2015 VOC	239-0615-0094 Unit 007 LR Air 6/10/2015 VOC	239-0615-0095 Unit 007 LR CO Air 6/10/2015 VOC
	µg/m³	µg/m³	µg/m³	µg/m³
n-Heptane	NS	1.0	2.0	2.2
n-Hexane	7300	1.1	0.85	0.98
2-Propanol (Isopropyl Alcohol)	73000	9.2 U	6.6 U	7.9 U
m,p-Xylenes	1000	4.5	9.7	11
Dichloromethane (Methylene Chloride)	1000	0.92 U	0.66 U	0.79 U
Methyl tert-Butyl Ether	110	0.18 U	0.13 U	0.16 U
Naphthalene	0.83	6.3	1.3	1.5
o-Xylene	1000	1.4	2.6	3.0
Propene	31000	12	16	17
Styrene	10000	1.3	4.0	4.7
Tetrahydrofuran (THF)	21000	0.92 U	0.66 U	0.79 U
Toluene	52000	18	17	20
trans-1,2-Dichloroethene	NS	0.18 U	0.13 U	0.16 U
trans-1,3-Dichloropropene	NS	0.92 U	0.66 U	0.79 U
Trichlorofluoromethane (CFC 11)	7300	7.7	15	17
Vinyl Acetate	2100	9.2 U	6.6 U	7.9 U
Analysis	Fixed Gas	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	440	590	740
Methane	NS	1.4	1.5	1.4
Helium	NS	NA	NA	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume,
U - not detected above specified reporting limit, J estimated
NS - not specified, NA-not analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

REDACTED

December 16, 2015

Exemption 7 ____ (A) Interference with Enforcement Proceedings
____ (B) Right to Fair Trial
✱ (C) Unwanted Invasion of Personal Privacy

Exemption 6 Personal Privacy

Subj: Analytical Results for June and July 2015 Sampling at

Dear

During June and July 2015, the U.S. Environmental Protection Agency (EPA) conducted air sampling and soil gas sampling at your home. The purpose of the original sampling, starting in 2014, was to determine whether volatile organic chemicals (VOCs) were present in the air near your home, in the air below your home, in the air inside your home, or in soil gases outside your home which may be related to the Lee's Lane Landfill Site (the Site). The sampling was also conducted to determine whether any unacceptable levels of exposure are occurring and whether any further response may be needed to protect human health. The most recent sampling event was done to compare seasonal changes from the November and December 2014 results.

One (1) indoor air, one (1) ambient (outdoor) air, and one (1) soil gas sample were collected at your property for a total of three (3) samples in June 2015. Due to potential concerns about data quality, EPA attempted a second soil gas sample in July 2015 for comparison. Unusually wet conditions prevented a second soil gas sample from being successfully collected at that time. However, comparisons of the June and July 2015 soil gas results on those homes where it was successful indicate that the June 2015 data is satisfactory. The indoor air and ambient air samples were collected over a 24-hour period. The air samples were analyzed for volatile organic compounds (VOCs), including those chemicals found at or related to those at the Site.

The results are provided to you in two formats. There is a summary table below that compares only the constituents that were detected above the respective EPA Vapor Intrusion Screening Level (VISL). This table includes the exceedances from the November and December 2014 sampling results, which you received earlier this year, for comparison. Enclosed with the letter is the laboratory data with every potential contaminant or constituent that EPA analyzed for in your samples, with any exceedance noted in bold red type. The EPA Vapor Intrusion Screening Levels (VISLs) referenced in the tables are based upon typical exposure factors and assume occupants of the building are exposed to air containing the chemical(s) of concern for 24 hours per day over a chronic duration (7 to 30-year period). Please note that any result on the laboratory data sheets with a "U" Qualifier was **not** detected in your samples.

The results from this investigation have been reviewed by an EPA, Region 4 human health toxicologist. Four constituents were detected in your results above EPA site-specific screening levels (1,3-butadiene, 1,4-dichlorobenzene, benzene, and naphthalene). 1,3- butadiene was detected at levels above initial screening levels in the soil gas and indoor air but were below a health-based risk management level. 1,4-dichlorobenzene, benzene, and naphthalene were

detected above the initial screening levels in the living space indoor air but were below a health-based risk management level. Neither 1,4-dichlorobenzene, benzene nor naphthalene were detected at elevated concentrations in the soil gas, indicating that common household products may be contributing to the levels in the indoor air and crawl space. These constituents are frequently found in cleaning products and mothballs. 1,3-butadiene has been found to be a byproduct of cigarette smoke.

Compound	Soil Gas Sampling Results	Soil Gas Vapor Intrusion Screening Level	Ambient Air Results	Indoor Air (First Floor) Results	Air Vapor Intrusion Screening Level
	Dec. 2014		June 2015		
1,3-Butadiene	28	8.0		5.2	0.81
1,4-Dichlorobenzene				3.9	2.5
Benzene				4.8	3.1
Napthalene			1.3	.94	.83

Notes:

- All results and screening levels are in ug/m^3 or micrograms per cubic meter
- Only compounds with a detection above the respective site-specific Vapor Intrusion Screening Levels are shown on this table.

For more information regarding risk assessment, please see EPA's website at http://epa.gov/riskassessment/basicinformation.htm#risk.

For general information about the Superfund program, which cleans up contaminated sites, please see http://www.epa.gov/superfund/.

For more information about vapor intrusion, please see EPA's web page at http://www.epa.gov/oswer/vaporintrusion/basic.html.

Because all results have remained below health-based risk management screening levels, this sampling event concludes the vapor intrusion sampling investigation at your property. If you have any questions regarding your sampling results, please contact me at 800-435-9233 (toll-free) or 404-562-8870 or seadler.donna@epa.gov. You may also contact the Community Involvement Coordinator, Angela Miller, at 404-562-8561, or miller.angela@epa.gov.

Donna K. Seadler
Remedial Project Manager

Enclosure

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
November 2015

Exemption 6 Personal Privacy

REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Soil Gas	239-0615-0102 Unit 032 SS Soil Gas 6/11/2015 VOC
Analyte	µg/m³	µg/m³
Benzene	31	0.16 U
1,3-Butadiene	8.0	0.33 U
Carbon Tetrachloride	41	0.22
Chloroform	1020	6.1
Dibromochloromethane	10	0.16 U
1,4-Dichlorobenzene	25	0.65
1,2-Dichloroethane	11	0.16 U
Ethylbenzene	110	0.82 U
Tetrachloroethene	420	3.1
Trichloroethene (TCE)	21	0.16 U
Vinyl Chloride	16	0.16 U
1,1,1-Trichloroethane (TCA)	520000	0.26
1,1,2,2-Tetrachloroethane	4.8	0.16 U
1,1,2-Trichloroethane	18	0.16 U
1,1,2-Trichlorotrifluoroethane	3100000	0.69
1,1-Dichloroethane (1,1-DCA)	180	0.16 U
1,1-Dichloroethene (1,1-DCE)	21000	0.16 U
1,2,3-Trichloropropane	31	0.82 UJ
1,2,4-Trimethylbenzene	730	0.82 U
1,2-Dibromoethane	0.47	0.16 U
1,2-Dichlorobenzene	21000	0.16 U
1,2-Dichloropropane	28	0.16 U
1,3,5-Trimethylbenzene	NS	0.82 U
1,3-Dichlorobenzene	NS	0.16 U
1,4-Dioxane	56	0.82 U
2-Butanone (MEK)	520000	8.2 U
2-Hexanone	3100	0.82 U
4-Ethyltoluene	NS	0.82 U
4-Methyl-2-pentanone	310000	0.82 U
Acetone	3200000	8.2 U
Bromoform	260	0.82 U
Bromomethane	520	0.33 U
Chlorobenzene	5200	0.18
Chloroethane	1000000	0.33 U
Chloromethane	9400	0.33 U
cis-1,2-Dichloroethene	NS	0.16 U
cis-1,3-Dichloropropene	NS	0.82 U

Exemption 6 Personal Privacy

TABLE 2
June and July 2015 Air Sampling Results
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REDACTED

Sample Number	Regional Screening Level Soil Gas	239-0615-0102
Location		Unit 032
Sub Location		SS
Matrix		Soil Gas
Sample Date		6/11/2015
Analysis		VOC
Analyte	µg/m³	µg/m³
Cyclohexane	630000	1.6 U
Dichlorodifluoromethane (CFC 12)	10000	2.9
Ethyl Acetate	7300	3.2
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.82 U
n Heptane	NS	0.82 U
n Hexane	73000	0.82 U
2-Propanol (Isopropyl Alcohol)	730000	8.2 U
m,p-Xylenes	10000	2.0
Dichloromethane (Methylene Chloride)	10000	0.82 U
Methyl tert-Butyl Ether	1100	0.16 U
Naphthalene	8.3	2.9
o-Xylene	10000	0.82 U
Propene	310000	0.82 U
Styrene	100000	0.82 U
Tetrahydrofuran (THF)	210000	0.82 U
Toluene	520000	7.7
trans-1,2-Dichloroethene	NS	0.16 U
trans-1,3-Dichloropropene	NS	0.82 U
Trichlorofluoromethane (CFC 11)	73000	1.8
Vinyl Acetate	21000	8.2 U
Analysis	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	53000
Methane	NS	0.82 U
Helium	NS	NA

VOC - volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % - percent
U - not detected above specified reporting limit, J - estimated
NS - not specified, NA-not analyzed

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigation
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REDACTED

Sample Number Location Sub Location Matrix Sample Date Analysis	Regional Screening Level Air	239-0615-0103 Unit 032 AMB Air 6/11/2015 VOC	239-0615-0101 Unit 032 LR Air 6/11/2015 VOC
Analyte	µg/m³	µg/m³	µg/m³
Benzene	3.1	0.41	4.8
1,3-Butadiene	0.8	0.28 U	5.2
Carbon Tetrachloride	4.1	0.63	0.62
Chloroform	102	0.2	0.31
Dibromochloromethane	1	0.14 U	0.17 U
1,4-Dichlorobenzene	2.5	0.14 U	3.9
1,2-Dichloroethane	1.1	0.14 U	0.17 U
Ethylbenzene	11	0.70 U	3.3
Tetrachloroethene	42	0.14 U	0.17 U
Trichloroethene (TCE)	2.1	0.14 U	0.17 U
Vinyl Chloride	1.6	0.14 U	0.17 U
1,1,1-Trichloroethane (TCA)	52000	0.14 U	0.17 U
1,1,2,2-Tetrachloroethane	0.48	0.14 U	0.17 U
1,1,2-Trichloroethane	1.8	0.14 U	0.17 U
1,1,2-Trichlorotrifluoroethane	310000	0.63	0.64
1,1-Dichloroethane (1,1-DCA)	18	0.14 U	0.17 U
1,1-Dichloroethene (1,1-DCE)	2100	0.14 U	0.17 U
1,2,3-Trichloropropane	3.1	0.70 UJ	0.86 UJ
1,2,4-Trimethylbenzene	73	0.70 U	2.9
1,2-Dibromoethane	0.047	0.14 U	0.17 U
1,2-Dichlorobenzene	2100	0.14 U	0.17 U
1,2-Dichloropropane	2.8	0.14 U	0.17 U
1,3,5-Trimethylbenzene	NS	0.70 U	0.86 U
1,3-Dichlorobenzene	NS	0.14 U	0.17 U
1,4-Dioxane	5.6	0.70 U	0.86 U
2-Butanone (MEK)	52000	7.0 U	8.6 U
2-Hexanone	310	0.70 U	0.86 U
4-Ethyltoluene	NS	0.70 U	0.91
4-Methyl-2-pentanone	31000	0.70 U	0.86 U
Acetone	320000	17	41
Bromoform	26	0.70 U	0.86 U
Bromomethane	52	0.28 U	0.34 U
Chlorobenzene	520	0.14 U	0.17 U
Chloroethane	100000	0.28 U	0.34 U
Chloromethane	940	0.33	1.8
cis-1,2-Dichloroethene	NS	0.14 U	0.17 U
cis-1,3-Dichloropropene	NS	0.70 U	0.86 U
Cyclohexane	63000	1.4 U	1.7 U
Dichlorodifluoromethane (CFC 12)	1000	2.7	2.7
Ethyl Acetate	730	4.1	5.5
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	NS	0.70 U	0.86 U

TABLE 2
June and July 2015 Air Sampling Results
Lee's Lane Landfill Site Investigat on
November 2015

Exemption 6 Personal Privacy

REDACTED

Sample Number	Regional Screening Level	239-0615-0103	239-0615-0101
Location		Unit 032	Unit 032
Sub Location		AMB	LR
Matrix	Air	Air	Air
Sample Date		6/11/2015	6/11/2015
Analysis		VOC	VOC
Analyte	µg/m³	µg/m³	µg/m³
n-Heptane	NS	0.70 U	3.6
n-Hexane	7300	0.70 U	7.9
2-Propanol (Isopropyl Alcohol)	73000	7.0 U	8.6 U
m,p-Xylenes	1000	1.0	13
Dichloromethane (Methylene Chloride)	1000	0.70 U	0.86 U
Methyl tert-Butyl Ether	110	0.14 U	0.17 U
Naphthalene	0.83	1.3	0.94
o-Xylene	1000	0.70 U	3.9
Propene	31000	0.71	16
Styrene	10000	1.2	1.7
Tetrahydrofuran (THF)	21000	0.70 U	0.86 U
Toluene	52000	3.5	17
trans-1,2-Dichloroethene	NS	0.14 U	0.17 U
trans-1,3-Dichloropropene	NS	0.70 U	0.86 U
Trichlorofluoromethane (CFC 11)	7300	1.5	1.6
Vinyl Acetate	2100	7.0 U	9.7
Analysis	Fixed Gas	Fixed Gas	Fixed Gas
Carbon Dioxide	NS	510	700
Methane	NS	2.5	9.1
Helium	NS	NA	NA

VOC volatile organic compounds
µg/m³ - micrograms per cubic meter, ppmv - parts per million by volume, % percent
U - not detected above specified reporting limit, J - estimated
NS not specified, NA-not analyzed