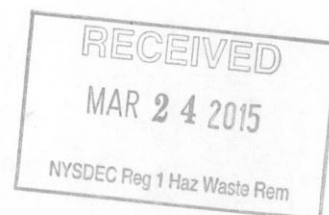




March 19, 2015

Mr. Girish Desai, P.E.
New York State Department of Environmental Conservation
SUNY at Stony Brook
50 Circle Road
Stony Brook, New York 11790



**Subject: February 2015 Final Validated Groundwater Sampling Results
Former Unisys Facility, Lake Success, New York**

Dear Mr. Desai:

On behalf of the Lockheed Martin Corporation (Lockheed Martin), AMEC E&E PC (AMEC) is enclosing the final validated groundwater monitoring results from monitoring wells, extraction wells, municipal supply wells, and irrigation wells sampled as part of the quarterly long term monitoring program during February 2015 in the Village of Lake Success. Irrigation well N-2169 was offline during the February 2015 sampling event and could not be sampled.

February groundwater samples were analyzed for volatile organic compounds (VOCs), a selected list of Freon compounds, as well as bromide and chloride. The validated laboratory analytical results for VOCs and Freon compounds are provided in Tables 1A and 1B. Validated analytical results for bromide and chloride are shown in Table 2.

If you have any questions or require additional information, please contact AMEC at (207) 775-5401.

Thank you for your assistance in this matter.

William J. Weber, PE
Project Manager

Copies:

Stan Phillips, Lockheed Martin Corporation
Mary Morningstar, Esq., Lockheed Martin Corporation
Gary Cambre, Lockheed Martin Corporation
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Table 1A — Monitoring Wells: Volatile Organic Compounds
Groundwater Sampling Results, February 2015
Former Unisys Facility Great Neck; Lake Success, New York

Location Sample Date Sample ID VOC Parameters in µg/L	MW-31GL 2/5/2015 MW-31GL-XX		MW-31MI 2/5/2015 MW-31MI-XX		MW-31MI** 2/5/2015 MW-500-XX		MW-31ML 2/5/2015 MW-31ML-XX		MW-43MI 2/4/2015 MW-43MI-XX	
	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1-Trichloroethane	1 U		1 U		1 U		1 U		1 U	
1,1,2,2-Tetrachloroethane	1 U		1 U		1 U		1 U		1 U	
Freon 113	1 U		8.6 J		9 J		4.6		2.9	
1,1,2-Trichloroethane	1 U		0.25 J		0.3 J		0.12 J		1 U	
1,1-Dichloroethane	1 U		0.41 J		0.42 J		0.15 J		0.18 J	
1,1-Dichloroethene	1 U		0.49 J		0.59 J		0.23 J		0.51 J	
1,2,4-Trichlorobenzene	1 U		1 UJ		1 UJ		1 U		1 U	
1,2-Dibromo-3-chloropropane	1 U		1 UJ		1 UJ		1 U		1 U	
1,2-Dibromoethane	1 U		1 UJ		1 UJ		1 U		1 U	
1,2-Dichlorobenzene	1 U		1 UJ		1 UJ		1 U		1 U	
1,2-Dichloroethane	1 U		0.89 J		0.85 J		0.51 J		0.28 J	
1,2-Dichloropropane	1 U		0.34 J		0.29 J		0.15 J		1 U	
1,3-Dichlorobenzene	1 U		1 UJ		1 UJ		1 U		1 U	
1,4-Dichlorobenzene	1 U		1 UJ		1 UJ		1 U		1 U	
2-Butanone	1 UJ		1 UJ		1 UJ		1 UJ		1 U	
2-Hexanone	1 UJ		1 UJ		1 UJ		1 UJ		1 U	
4-Methyl-2-pentanone	1 UJ		1 U		1 UJ		1 U		1 U	
Acetic acid, methyl ester	1 U		1 UJ		1 UJ		1 U		1 U	
Acetone	1 U		1 UJ		1 UJ		1 UJ		1 U	
Benzene	1 U		1 U		1 U		1 U		1 U	
Bromodichloromethane	1 U		1 U		1 U		1 U		1 U	
Bromoform	1 U		1 UJ		1 UJ		1 U		1 U	
Bromomethane	1 UJ		1 U		1 UJ		1 U		1 U	
Carbon disulfide	1 U		1 U		1 U		1 U		1 U	
Carbon tetrachloride	1 U		1 U		1 U		1 U		1 U	
Chlorobenzene	1 U		1 UJ		1 UJ		1 U		1 U	
Chlorodibromomethane	1 U		1 U		1 U		1 U		1 U	
Freon 22	1 U		3.5 J		3.5 J		7.4		5.5	
Chloroethane	1 U		1 U		1 U		1 U		1 U	
Chloroform	1 U		0.83 J		0.86 J		0.51 J		0.33 J	
Chloromethane	1 U		1 U		1 U		1 U		1 U	
Cis-1,2-Dichloroethene	1.7		270		270		94		66	
Cis-1,3-Dichloropropene	1 U		1 U		1 U		1 U		1 U	
Cyclohexane	1 U		1 UJ		1 UJ		1 U		1 U	
Dichlorodifluoromethane	1 U		1 UJ		1 UJ		1 U		1 U	
Difluoroethane	1 U		1 UJ		1 UJ		1 U		1 U	
Ethyl benzene	1 U		1 U		1 U		1 U		1 U	
Freon 115	1 U		1 UJ		1 UJ		1 U		1 U	
Freon 123	1 U		1 UJ		1 UJ		1 U		1 U	
Isopropylbenzene	1 U		1 UJ		1 UJ		1 U		1 U	
Methyl cyclohexane	1 U		1 UJ		1 UJ		1 U		1 U	
Methyl Tertbutyl Ether	1 U		0.11 J		0.12 J		1 U		1 U	
Methylene chloride	1 U		1 U		1 U		1 U		1 U	
Styrene	1 U		1 U		1 U		1 U		1 U	
Tetrachloroethene	0.79 J		24		23		10		7.6	
Toluene	1 U		1 U		1 U		1 U		1 U	
trans-1,2-Dichloroethene	1 U		2.5		2.5		0.27 J		0.26 J	
trans-1,3-Dichloropropene	1 U		1 U		1 U		1 U		1 U	
Trichloroethene	1.1		64 J		64 J		32		21	
Trichlorofluoromethane	1 U		0.19 J		0.16 J		0.29 J		0.18 J	
Vinyl chloride	1 U		1 U		1 U		1 U		1 U	
Xylene, o	1 U		1 U		1 U		1 U		1 U	
Xylenes (m&p)	1 U		1 U		1 U		1 U		1 U	
Xylenes, Total	1 U		1 U		1 U		1 U		1 U	
Unkown VOC	ND		5.3 NJ		ND		ND		ND	
1,2-Dichloro-1,1,2-trifluoroethane	ND		ND		ND		ND		ND	
Calculated Total VOC Detections	3.6 J		380 J		380 J		150 J		100 J	

See notes on last page.

Table 1A — Monitoring Wells: Volatile Organic Compounds
Groundwater Sampling Results, February 2015
Former Unisys Facility Great Neck; Lake Success, New York

VOC Parameters in µg/L	Location	MW-43MU		MW-46MI		MW-46ML		MW-51MI		MW-51ML	
	Sample Date Sample ID	2/4/2015 MW-43MU-XX		2/6/2015 MW-46MI-XX		2/6/2015 MW-46ML-XX		2/4/2015 MW-51MI-XX		2/4/2015 MW-51ML-XX	
		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1-Trichloroethane		1 U		1 U		1 U		1 U		1 U	
1,1,2,2-Tetrachloroethane		1 U		1 U		1 U		1 U		1 U	
Freon 113		1 U		25		0.65 J		0.77 J		0.16 J	
1,1,2-Trichloroethane		1 U		0.31 J		1 U		1 U		1 U	
1,1-Dichloroethane		1 U		0.42 J		1 U		1 U		1 U	
1,1-Dichloroethene		1 U		0.97 J		1 U		1 U		1 U	
1,2,4-Trichlorobenzene		1 U		1 U		1 U		1 U		1 U	
1,2-Dibromo-3-chloropropane		1 U		1 U		1 U		1 U		1 U	
1,2-Dibromoethane		1 U		1 U		1 U		1 U		1 U	
1,2-Dichlorobenzene		1 U		1 U		1 U		1 U		1 U	
1,2-Dichloroethane		1 U		1.4		0.22 J		1 U		1 U	
1,2-Dichloropropane		1 U		0.44 J		1 U		1 U		1 U	
1,3-Dichlorobenzene		1 U		1 U		1 U		1 U		1 U	
1,4-Dichlorobenzene		1 U		1 U		1 U		1 U		1 U	
2-Butanone		1 UJ		1 UJ		1 UJ		1 UJ		1 UJ	
2-Hexanone		1 UJ		1 UJ		1 UJ		1 UJ		1 UJ	
4-Methyl-2-pentanone		1 U		1 UJ		1 U		1 U		1 U	
Acetic acid, methyl ester		1 U		1 U		1 U		1 U		1 U	
Acetone		1 UJ		1 U		1 UJ		1 UJ		1 UJ	
Benzene		1 U		1 U		1 U		1 U		1 U	
Bromodichloromethane		1 U		1 U		1 U		1 U		1 U	
Bromoform		1 U		1 U		1 U		1 U		1 U	
Bromomethane		1 U		1 UJ		1 U		1 U		1 U	
Carbon disulfide		1 U		1 U		1 U		1 U		1 U	
Carbon tetrachloride		0.3 J		0.1 J		1 U		1 U		0.14 J	
Chlorobenzene		1 U		1 U		1 U		1 U		1 U	
Chlorodibromomethane		1 U		1 U		1 U		1 U		1 U	
Freon 22		1 U		0.95 J		1 U		0.15 J		1 U	
Chloroethane		1 U		1 U		1 U		1 U		1 U	
Chloroform		1 U		1.7		0.29 J		0.15 J		1 U	
Chloromethane		1 U		1 U		1 U		1 U		1 U	
Cis-1,2-Dichloroethene		1 U		290		17		13		2.1	
Cis-1,3-Dichloropropene		1 U		1 U		1 U		1 U		1 U	
Cyclohexane		1 U		1 U		1 U		1 U		1 U	
Dichlorodifluoromethane		1 U		1 U		1 U		1 U		1 U	
Diffuoroethane		1 U		1 U		1 U		1 U		1 U	
Ethyl benzene		1 U		1 U		1 U		1 U		1 U	
Freon 115		1 U		1 U		1 U		1 U		1 U	
Freon 123		1 U		1 U		1 U		1 U		1 U	
Isopropylbenzene		1 U		1 U		1 U		1 U		1 U	
Methyl cyclohexane		1 U		1 U		1 U		1 U		1 U	
Methyl Tertbutyl Ether		1 U		1 U		1 U		1 U		1 U	
Methylene chloride		1 U		1 U		1 U		1 U		1 U	
Styrene		1 U		1 U		1 U		1 U		1 U	
Tetrachloroethene		0.13 J		38		1.9		1.3		0.3 J	
Toluene		1 U		1 U		1 U		1 U		1 U	
trans-1,2-Dichloroethene		1 U		2.2		0.15 J		0.15 J		0.12 J	
trans-1,3-Dichloropropene		1 U		1 U		1 U		1 U		1 U	
Trichloroethene		1 U		140		12		4.1		0.74 J	
Trichlorofluoromethane		1 U		1.3		0.6 J		1 U		1 U	
Vinyl chloride		1 U		1 U		1 U		1 U		1 U	
Xylene, o		1 U		1 U		1 U		1 U		1 U	
Xylenes (m&p)		1 U		1 U		1 U		1 U		1 U	
Xylenes, Total		1 U		1 U		1 U		1 U		1 U	
Unkown VOC		ND		ND		ND		ND		ND	
1,2-Dichloro-1,1,2-trifluoroethane		ND		5.7 NJ		ND		ND		ND	
Calculated Total VOC Detections		0.43 J		510 J		33 J		20 J		3.6 J	

See notes on last page.

Table 1A — Monitoring Wells: Volatile Organic Compounds
Groundwater Sampling Results, February 2015
Former Unisys Facility Great Neck; Lake Success, New York

Notes:

NA = Not Analyzed

ND = Not Detected

VOCs - volatile organic compounds
by method OLM04.2

Bromide by Method 300

Chloride by Method 4500

µg/L = micrograms per liter

mg/L = milligrams per liter

** = Duplicate Sample

Qualifiers

D = Reported value is from a dilution

U = Corresponding result is
non-detect (reporting limit shown)

J = Corresponding result is
estimated

UJ = estimated concentration at the reporting limit

NJ = Analyte identification is not certain. Concentration is estimated.

Table 1B — Irrigation and Municipal Wells: Volatile Organic Compounds
Groundwater Sampling Results, February 2015
Former Unisys Facility Great Neck; Lake Success, New York

Location Sample Date Sample ID VOC Parameters in µg/L	SW-N5099 2/5/2015 SW-N5099-XX		SW-12999 2/5/2015 SW-N12999-XX		SW-N13000 2/5/2015 SW-N13000-XX	
	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1-Trichloroethane	1 U		0.11 J		1 U	
1,1,2,2-Tetrachloroethane	1 U		1 U		1 U	
Freon 113	0.36 J		1 U		0.21 J	
1,1,2-Trichloroethane	1 U		1 U		1 U	
1,1-Dichloroethane	1 U		1 U		1 U	
1,1-Dichloroethene	1 U		0.46 J		0.48 J	
1,2,4-Trichlorobenzene	1 U		1 U		1 U	
1,2-Dibromo-3-chloropropane	1 U		1 U		1 U	
1,2-Dibromoethane	1 U		1 U		1 U	
1,2-Dichlorobenzene	1 U		1 U		1 U	
1,2-Dichloroethane	1 U		1 U		1 U	
1,2-Dichloropropane	1 U		1 U		1 U	
1,3-Dichlorobenzene	1 U		1 U		1 U	
1,4-Dichlorobenzene	1 U		1 U		1 U	
2-Butanone	1 UJ		1 UJ		1 UJ	
2-Hexanone	1 UJ		1 UJ		1 UJ	
4-Methyl-2-pentanone	1 U		1 UJ		1 U	
Acetic acid, methyl ester	1 U		1 U		1 U	
Acetone	1 UJ		1 U		1 UJ	
Benzene	1 U		1 U		1 U	
Bromodichloromethane	1 U		1 U		1 U	
Bromoform	1 U		1 U		1 U	
Bromomethane	1 U		1 UJ		1 U	
Carbon disulfide	1 U		1 U		1 U	
Carbon tetrachloride	0.21 J		1 U		1 U	
Chlorobenzene	1 U		1 U		1 U	
Chlorodibromomethane	1 U		1 U		1 U	
Freon 22	1 U		0.66 J		0.67 J	
Chloroethane	1 U		1 U		1 U	
Chloroform	0.14 J		1 U		1 U	
Chloromethane	1 U		1 U		1 U	
Cis-1,2-Dichloroethene	5.1		0.29 J		0.86 J	
Cis-1,3-Dichloropropene	1 U		1 U		1 U	
Cyclohexane	1 U		1 U		1 U	
Dichlorodifluoromethane	1 U		1 U		1 U	
Difluoroethane	1 U		1 U		1 U	
Ethyl benzene	1 U		1 U		1 U	
Freon 115	1 U		1 U		1 U	
Freon 123	1 U		1 U		1 U	
Isopropylbenzene	1 U		1 U		1 U	
Methyl cyclohexane	1 U		1 U		1 U	
Methyl Tertbutyl Ether	1 U		0.12 J		1 U	
Methylene chloride	1 U		1 U		1 U	
Styrene	1 U		1 U		1 U	
Tetrachloroethene	1.2		0.23 J		0.3 J	
Toluene	1 U		1 U		1 U	
trans-1,2-Dichloroethene	0.14 J		1 U		1 U	
trans-1,3-Dichloropropene	1 U		1 U		1 U	
Trichloroethene	4		0.63 J		0.83 J	
Trichlorofluoromethane	0.23 J		1 U		1 U	
Vinyl chloride	1 U		1 U		1 U	
Xylene, o	1 U		1 U		1 U	
Xylenes (m&p)	1 U		1 U		1 U	
Xylenes, Total	1 U		1 U		1 U	
Calculated Total VOC Detections	11 J		2.5 J		3.4 J	

See notes on last page.

**Table 1B — Irrigation and Municipal Wells: Volatile Organic Compounds
Groundwater Sampling Results, February 2015
Former Unisys Facility Great Neck; Lake Success, New York**

Notes:

NA = Not Analyzed

ND = Not Detected

VOCs - volatile organic compounds

by method OLM04.2

Bromide by Method 300

Chloride by Method 4500

µg/L = micrograms per liter

mg/L = milligrams per liter

** = Duplicate Sample

Qualifiers

D = Reported value is from a dilution

U = Corresponding result is
non-detect (reporting limit shown)

J = Corresponding result is
estimated

UJ = estimated concentration at the reporting limit

NJ = Analyte identification is not certain. Concentration is estimated.

**Table 2 — Monitoring Wells: Bromide and Chloride
Groundwater Sampling Results, February 2015
Former Unisys Facility Great Neck; Lake Success, New York**

Location	MW-31GL	MW-31MI	MW-31MI	MW-31ML	MW-43MI
Sample Date	2/5/2015	2/5/2015	2/5/2015	2/5/2015	2/4/2015
Sample ID	MW-31GL-XX	MW-31MI-XX	MW-500-XX	MW-31ML-XX	MW-43MI-XX
Misc. Parameters in mg/L	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Bromide	0.14 J	0.2 U	0.2 U	0.2 U	0.2 U
Chloride	141	55	54.5	11	20

Location	MW-43MU	MW-46MI	MW-46ML	MW-51MI	MW-51ML
Sample Date	2/4/2015	2/6/2015	2/6/2015	2/4/2015	2/4/2015
Sample ID	MW-43MU-XX	MW-46MI-XX	MW-46ML-XX	MW-51MI-XX	MW-51ML-XX
Misc. Parameters in mg/L	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Bromide	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Chloride	7.5	23.5	7	400	12.5

Location	SW-N12999	SW-N13000	SW-N5099
Sample Date	2/5/2015	2/5/2015	2/5/2015
Sample ID	SW-N12999-XX	SW-N13000-XX	SW-N5099-XX
Misc. Parameters in mg/L	Result Qualifier	Result Qualifier	Result Qualifier
Bromide	0.2 U	0.2 U	0.2 U
Chloride	57.5	18	15.5

Notes:

NA = Not Analyzed
ND = Not Detected
Bromide by Method 300
Chloride by Method 4500
mg/L = milligrams per liter
** = Duplicate Sample

Qualifiers

U = Corresponding result is
non-detect (reporting limit shown)
J = Corresponding result is
estimated
UJ = estimated concentration at the reporting limit
NJ = Analyte identification is not certain. Concentration is estimated.