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ENVIRONMENT

Subject:

October 2010 Monthly Progress Report Northrop Grumman Systems Corporation Operable Unit 3, NYSDEC Site ID # 1-30-003A, Bethpage, New York

Dear Steve:

In accordance with Section III of Administrative Order on Consent (AOC) Index # W1-0018-04-01, this letter reports Operable Unit 3 (OU3) activities performed by Northrop Grumman Systems Corporation (Northrop Grumman) during the month of October 2010. Activities planned for November 2010 are also discussed.

OU3 Activities Conducted During October 2010

Site Area and Study Area Remedial Investigation/Feasibility Studies (RI/FS)

Continued preparation of Study Area Feasibility Study (FS).

Soil Gas IRM

 Continued Operation, Maintenance, and Monitoring (OM&M) of the Soil Gas Interim Remedial Measure (IRM)

Groundwater IRM

- Continued OM&M of the Groundwater IRM
- Performed the 4th Quarter sampling, including the annual groundwater monitoring event.

Date:

November 9, 2010

Contact:

David Stern

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Our ref:

NY001496.0910.00007

Mr. Steve Scharf NYSDEC November 9, 2010

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Other

- Performed monthly monitoring of Monitoring Well MW116-5
- Current validated analytical data associated with the sampling of the Study Area Monitoring Well MW-116-5 are provided in Table 1. Well locations are shown on Figure 1.
- Submitted the September 2010 AOC Monthly Progress Report to the NYSDEC

OU3 Activities Scheduled November 2010

Site Area and Study Area RI/FSs

Continue to prepare the Study Area FS.

Soil Gas IRM

- Continue routine OM&M of the Soil Gas IRM
- Submit the 3rd Quarter 2010 OM&M Report to the NYSDEC

Groundwater IRM

- Continue routine OM&M of the Groundwater IRM
- Submit the 3rd Quarter 2010 OM&M Report to the NYSDEC

Other

- Perform the November 2010 monitoring of Monitoring Well MW116-5
- Submit the October 2010 AOC Monthly Progress Report to the NYSDEC

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Mr. Steve Scharf

NYSDEC

November 9, 2010

Feel free to call us if you have any questions.

Sincerely,

ARCADIS of New York, Inc.

David E. Stern Senior Scientist/Associate Project Manager

Copies:

- J. Cofman, Northrop Grumman
- K. Smith, Northrop Grumman
- E. Hannon, Northrop Grumman
- C. Henry, EMAGIN

Bethpage Public Library - Public Repository

- C. San Giovanni, ARCADIS
- M. Wolfert, ARCADIS

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Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Well MW-116-5, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Compound (ug/L)	Location ID: Sample Date:	MW-116-5 8/25/2010	MW-116-5 9/20/2010		
,1,1-Trichloroethane		< 50	< 50		
,1,2,2-Tetrachloroethane		< 50	< 50		
,1,2-Trichloroethane		< 50	< 50		
,1-Dichloroethane		< 50	< 50		
,1-Dichloroethene		< 50	3.6 J		
,2-Dichloroethane		8.4 J	9.0 J		
,2-Dichloropropane		5.1 J	5.1 J		
-Butanone		< 500	< 500		
?-Hexanone		< 500	< 500		
4-methyl-2-pentanone		< 500	< 500		
Acetone		< 500	9.5 J		
Benzene		< 7.0	< 7.0		
Bromodichloromethane		< 50	< 50		
Bromoform		< 50	< 50		
Bromomethane		< 50	< 50		
arbon Disulfide		< 50	< 50		
arbon tetrachloride		< 50	< 50		
hlorobenzene		< 50	< 50		
hlorodifluoromethane (Freon 22)		< 50	< 50		
Chloroethane		< 50	< 50		
Chloroform		15 J	15 J		
hloromethane		< 50	< 50		
s-1,2-dichloroethene		190	160		
is-1,3-dichloropropene		< 50	< 50		
Dibromochloromethane		< 50	< 50		
Dichlorodifluoromethane (Freon 12)		< 50	< 50		
Ethylbenzene		< 50	< 50		
Methyl tert-Butyl Ether		< 50	< 50		
Methylene Chloride		< 50	< 50		
Styrene		< 50	< 50		
etrachloroethene		< 50	< 50		
oluene		< 50	< 50		
ans-1,2-dichloroethene		3.5 J	< 50		
trans-1,2-dichloropropene	2	< 50	< 50		
	richloroethylene		2100 D		
richlorofluoromethane (Freon 11)		1900 < 50	< 50		
richlorotrifluoroethane (Freon 113)		< 50 < 50	< 50 < 50		
inyl Chloride		< 50 < 20	< 50 < 20		
Xylene-o		< 50	< 50		
Xylenes - m,p		< 50	< 50	 	
		2100			

Notes and Abbreviations:

Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006). Samples analyzed for the TCL VOCs using NYSDEC ASP Method 2000 OLM4.2.

Bold value indicates a detection.

RI/FS Remedial Investigation/Feasibility Study.

NYSDEC New York State Department of Environmental Conservation.

TCL Target compound list.
VOC Volatile Organic Compound.
TVOC Total Volatile Organic Compounds
ASP Analytical services protocol.
ug/L Micrograms per liter.
J Value is estimated.

