



Mr. Steven M. Scharf, P.E.
Project Engineer
New York State Department of Environmental Conservation (NYSDEC)
Division of Environmental Remediation
Remedial Action, Bureau A
625 Broadway
Albany, New York 12233-7015

Subject:
March 2009 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 the activities for Operable Unit 3 (OU3) performed by Northrop Grumman Systems Corporation (Northrop Grumman) during the month of March 2009; activities planned for April 2009 are also discussed. This report is the 36th OU3 monthly progress report since the AOC between Northrop Grumman and the New York State Department of Environmental Conservation (NYSDEC) was signed on June 24, 2005.

OU3 Activities Conducted During March 2009

Activities performed this period include:

On- and Off-Site RI/FS

- Analytical results of groundwater samples collected from Monitoring Wells MW111-4, MW116-5, and MW117-5 are included in Table 1. Well locations are provided on Figure 1.
- Preparation for dedicated sampling pump installation at Monitoring Well MW-117-5
- Mobilized for drilling of vertical profile boring (VPB) VP-118 and Monitoring Well MW109-2.
- Continued evaluation of remedial investigation (RI) data and assessment of data gaps
- Completed updates to the regional groundwater model for submittal to Northrop Grumman for internal review

Imagine the result

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NY001464.0909.00007

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- Continued preparation of draft Human Health Risk Assessment (HHRA)
- Continued preparation of the Site Area Focused Feasibility Study (FFS) Report

Soil Gas IRM

- Performed removal of condensate accumulated in several subsurface vacuum lines.
- Continued OM&M of the Soil Gas IRM; next scheduled monitoring event June 2009
- Submitted December 2008 monthly OM&M report to NYSDEC
- Completed preparation of 2008 Annual OM&M Report

Groundwater IRM

- Initiated development of Sampling and Analysis Plan.
- Continued remedial system construction

Other

- Prepared and submitted February 2009 AOC Monthly Progress Report

OU3 Activities Expected During April 2009

On- and Off-Site RI/FS

- Complete preparation of Site Area HHRA
- Continue preparation of Site Area FFS Report
- Initiate drilling and sampling of VP-118 and Monitoring Well MW109-2
- Continue evaluation of RI data and assessment of data gaps
- Install dedicated sampling pump in Monitoring Well MW-117-5

Soil Gas IRM

- Continue OM&M of the Soil Gas IRM; next scheduled monitoring event June 2009
- Submit 2008 Annual OM&M Report to NYSDEC

Groundwater IRM

- Continue development of Sampling and Analysis Plan.

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Mr. Steve Scharf
NYSDEC
April 7, 2009

- Continue remedial system construction

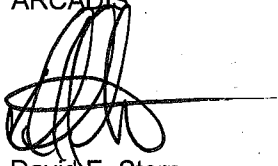
Other

- Prepare and submit April 2009 AOC Monthly Progress Report.

Feel free to call us if you have any questions.

Sincerely,

ARCADIS



David E. Stern
Senior Scientist /Associate Project Manager

Enclosure

Copies:

C. San Giovanni, ARCADIS
M. Wolfert, ARCADIS
File, ARCADIS
J. Cofman, Northrop Grumman
K. Smith, Northrop Grumman
Bethpage Public Library – Public Repository

Table 1. Concentrations of VOCs in Groundwater Samples Collected from Off-Site Monitoring Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Constituent (units in ug/L)	Location ID: MW-111-4 MW-116-5 MW-116-5 MW-116-5 MW-116-5 MW-117-5					
	Sample Date: 5/6/2008 4/11/2008 8/4/2008 9/29/2008 12/29/2008 2/11/2009					
	NYSDEC					
	SCGs					
1,1,1-Trichloroethane	5	< 250	< 50	< 50	< 50	< 5
1,1,2,2-Tetrachloroethane	5	< 250	< 50	< 50	< 50	< 5
1,1,2-Trichloroethane	1	< 250	< 50	< 50	< 50	< 5
1,1-Dichloroethene	5	< 250	< 50	< 50	< 50	< 5
1,1-Dichloroethane	5	< 250	< 50	< 50	< 50	< 5
1,2-Dichloroethane	0.6	< 250	< 50	< 50	< 50	< 5
1,2-Dichloropropane	1	< 250	< 50	< 50	< 50	< 5
2-Butanone	50	< 2500	< 500	< 500	< 500	< 50
2-Hexanone	NE	< 2500	< 500	< 500	< 500	< 50
4-Methyl-2-pentanone	NE	< 2500	< 500	< 500	< 500	< 50
Acetone	50	< 2500	< 500	< 500	< 500	< 50
Benzene	1	< 35	< 7	< 7	< 7	< 0.7
Bromodichloromethane	NE	< 250	< 50	< 50	< 50	< 5
Bromoform	NE	< 250	< 50	< 50	< 50	< 5
Bromomethane	5	< 250	< 50	< 50	< 50	< 5
Carbon Disulfide	50	< 2500	< 500	< 500	< 500	< 5
Carbon Tetrachloride	5	< 250	< 50	< 50	< 50	< 5
Chlorobenzene	5	< 250	< 50	< 50	< 50	< 5
Chlorodibromomethane	5	< 250	< 50	< 50	< 50	< 5
Chlorodifluoromethane (Freon 22)	NE	< 250	< 50	< 50	< 50	< 5
Chloroethane	5	< 250	< 50	< 50	< 50	< 5
Chloroform	5	< 350	< 70	< 70	< 70	< 5
Chloromethane	NE	< 250	< 50	< 50	< 50	< 5
cis-1,2-Dichloroethene	5	1500	130	130	140	150
cis-1,3-Dichloropropene	0.4	< 250	< 50	< 50	< 50	< 5
Dichlorodifluoromethane (Freon 12)	5	< 250	< 50	< 50	< 50	< 5
Ethylbenzene	5	< 250	< 50	< 50	< 50	< 5
Methylene Chloride	50	< 250	< 50	< 50	< 50	< 5
Styrene	5	< 250	< 50	< 50	< 50	< 5
Tetrachloroethene	5	< 250	< 50	< 50	< 50	< 5
Toluene	5	< 250	< 50	< 50	< 50	< 5
trans-1,2-Dichloroethene	5	< 250	< 50	< 50	< 50	< 5
Trans-1,3-Dichloropropene	NE	< 250	< 50	< 50	< 50	< 5
Trichloroethene	5	8800	1100	1100	1300	1100
Trichlorotrifluoroethane (Freon 113)	5	< 250	< 50	< 50	< 50	< 5
Vinyl Chloride	2	< 100	< 20	< 20	< 20	< 2
Xylene- O	5	< 250	< 50	< 50	< 50	< 5
Xylene- M & P	5	< 250	< 50	< 50	< 50	< 5
TVOCs		10,300	1,230	1,230	1,440	1,250

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 2000 Method OLM4.2.

Detections indicated in bold

 	Indicates an exceedance of an SCG
RI/FS	Remedial Investigation/Feasibility Study
NYSDEC	New York State Department of Environmental Conservation
TCL	Target compound list
VOC	Volatile organic Compound
SCGs	Standard, criteria, and guidance values
ug/L	Micrograms per liter
TVOC	Total volatile organic compounds
NE	Not established
ASP	Analytical services protocol