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Mr. Steven Scharf, P.E.
New York State Department of Environmental Conservation (NYSDEC)
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015

Subject:
Results of First Quarter 2006 Outpost Well Groundwater Monitoring, Operable Unit 2,
Northrop Grumman Systems Corporation and Naval Weapons Industrial Reserve
Plant Sites, Bethpage, New York. (NYSDEC Site #s 1-30-003A and B)

ENVIRONMENT

Dear Mr. Scharf:

Date:
12 July 2006

Pursuant to the July 2003 Public Water Supply Contingency Plan (PWSCP)
(ARCADIS G&M, Inc. 2003), ARCADIS is providing the NYSDEC with the validated
results of groundwater monitoring performed for the Outpost Wells for the First
Quarter 2006. Table 1 summarizes the analytical results of monitoring for site-
related volatile organic compounds (VOCs), as outlined in the PWSCP, for this
period.

Contact:
David E. Stern

Phone:
(631) 391-5284

From March 27 through March 30, 2006, samples were collected from the nine
Outpost Wells using the sampling methodology described in the PWSCP. Based on
the trigger values for site-related TVOC concentrations established in the PWSCP,
there are no new exceedences of trigger values. Wells in Clusters OW-1 and OW-2
continue to exhibit site-related TVOC concentrations above their respective trigger
values, which were initially detected in samples collected during the First and Second
Quarters of 2004.

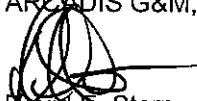
Email:
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Our ref:
NY001348.0406.00004

Please contact us if you have any questions or comments.

Sincerely,

ARCADIS G&M, Inc.


David E. Stern
Senior Scientist


Carlo San Giovanni
Project Manager

Enclosures

Copies:
See Attached Distribution List

Imagine the result

ARCADIS

Steven Scharf, P.E.
12 July 2006

Copies:

Water Parrish - New York State Department of Environmental Conservation
John Cofman - Northrop Grumman Corporation
Larry Leskovjan - Northrop Grumman Corporation
Susan Clark - U.S. Navy Northern Division
James Colter - U.S. Navy Northern Division
John Lovejoy - Nassau County Department of Health
Trevor Wescott - New York State Department of Health
Frank Flood - Massapequa Water District
Matt Snyder - New York Water Service
Anthony J. Sabino - Town of Oyster Bay
William Bier - South Farmingdale Water District
David Brayack - TetraTech NUS, Inc.
Arnold Palleschi - Town of Hempstead Water District
Kevin Lumpe - Steel Equities
Lois Lovisolo - Bethpage Public Library (Public Repository)
Andrew Musgrave - Bethpage Water District

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Table 1. Concentrations of Site-Related Volatile Organic Compounds Detected in Outpost Wells, First Quarter 2006.
Northrop Grumman Corporation, Bethpage, New York. ⁽¹⁾

CONSTITUENT (Units in ug/L)	WELL: OW 1-1		OW 1-2		OW 1-3		OW 2-1 ⁽⁶⁾		OW 2-2		OW 3-1		OW 3-2		OW 4-1		OW 4-2	
	SAMPLE ID: DATE:	BPOW 1-1 03/28/06	BPOW 1-2 03/28/06	BPOW 1-2 03/28/06	BPOW 1-3 03/28/06	BPOW 1-3 03/28/06	BPOW 2-1 03/27/06	BPOW 2-1 03/27/06	BPOW 2-2 03/27/06	BPOW 2-2 03/27/06	BPOW 3-1 03/30/06	BPOW 3-1 03/30/06	BPOW 3-2 03/30/06	BPOW 3-2 03/30/06	BPOW 4-1 03/29/06	BPOW 4-1 03/29/06	BPOW 4-2 03/29/06	BPOW 4-2 03/29/06
Chlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane		1.7	< 0.5	1.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane		1.4	< 0.5	0.84	< 0.5	1.1	< 0.5	0.74	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane		3.8	< 0.5	3.3	< 0.5	2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,1-Trichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene		2	< 0.5	0.69	< 0.5	1.4	< 0.5	1.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene		< 0.5	< 0.5	< 0.5	< 0.5	0.68	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Freon-113 *		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Total Site-Related VOCs ⁽¹⁾:		8.9⁽²⁾	0	6.43⁽²⁾	5.18⁽⁴⁾	5.18⁽⁴⁾	1.84⁽⁴⁾	1.5	1.5	0	0	1.5	1.5	0	0	1.5	1.5	0
TVOC Trigger Value ⁽²⁾:		0.6	0.6	0.6	0.6	0.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

⁽¹⁾ Site-related VOCs were established in the Public Water Supply Contingency Plan (PWSCP) (ARCADIS G&M, Inc. 2003).

⁽²⁾ TVOC Trigger Values were established in the PWSCP (ARCADIS G&M, Inc. 2003).

⁽³⁾ The TVOC Trigger Value for Cluster 1 was initially exceeded on April 23, 2004; confirmatory sampling and reporting was conducted as per the PWSCP (ARCADIS G&M, Inc. 2003).

⁽⁴⁾ The TVOC Trigger Value for Cluster 2 was initially exceeded on May 3, 2004; confirmatory sampling and reporting was conducted as per the PWSCP (ARCADIS G&M, Inc. 2003).

⁽⁵⁾ Benzene and Methyl tert-butyl ether (MTBE), which are not site-related VOCs, were detected in Outpost Well OW 2-1 on 3/27/06 at 120 ug/L and 11 ug/L, respectively.

ug/L
Micrograms per liter
Bold Constituent detected