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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 Wolf Road, Albany, New York 12233

DEC 23 1994

Langdon Marsh
Commissioner

Mr. John Ohlmann, P.E.
 Northrop-Grumman Corporation
 111 Stewart Avenue
 Bethpage, NY 11714-3580

Mr. James Colter
 Department of the Navy
 Northern Division - Naval
 Facilities Engineering Command
 10 Industrial Highway
 Mail Stop #82
 Lester, PA 19113-2090

Dr. Alan F. Weston
 Occidental Chemical Corporation
 360 Rainbow Blvd. S. Box 728
 Niagara Falls, NY 14302

Gentlemen:

RE: Regional Feasibility Study - Groundwater
 Sites: 130003A, 130003B, and 130004

Enclosed please find a copy of the minutes of the meeting held on December 9, 1994 in Plainview, NY. Also enclosed is the carbon copy list for the above-referenced study.

Please contact me at (518) 457-3395 if you have any questions regarding this matter.

Very truly yours,

John D. Barnes, P.E.
 Environmental Engineer 2
 Bureau of Eastern Remedial Action
 Div. of Hazardous Waste Remediation

cc: S. McCormick
 J. Hussey
 T. Vickerson (NYSDOH)
 L. Lutzker (NCHD)
 J. Molloy (H2M)
 D. Davis (LWD)
 J. Cofman (Grumman)
 A. Barber (G&M)
 C. San Giovanni (G&M)
 A. Kern (USN)
 R. Booth (USN)
 P. Hamilton (USN)
 D. Brayack (HNUS)

REGIONAL FEASIBILITY STUDY - GROUNDWATER

MINUTES OF THE 12/9/94 MEETING

Place: Geraghty & Miller, Inc., Plainview, NY

Time: 9:30 am - 11:30 am

The meeting structure followed the agenda (copy attached) developed by the NYSDEC. A copy of the attendance sheet is also attached.

- A. John Barnes opened the meeting by summarizing the issues discussed during the 12/8/94 meeting with the Bethpage Water District:
1. The Bethpage, Levittown, and Hicksville Water Districts will be invited to attend future meetings, and will be included on the NYSDEC's portion of the carbon copy list for this project.
 2. The Bethpage Water District requested that the outpost wells be sampled on a quarterly basis. A discussion followed regarding sampling the GM-36 and -38 clusters on a quarterly basis with the results forwarded to the Water District upon validation. Grumman agreed to conduct this work.
 3. There was a brief discussion regarding the future use of the Navy property; a topic which came up during the November 15, 1994 public meeting conducted by the Navy. The Town sent a letter to Congressman King regarding a more aggressive site remediation (i.e. lower clean-up standards). In the opinion of the State, the best use of the site would be for industrial or commercial uses, and this was passed on to Mr. Sabino. The Navy and/or the State will address any letters received from Mr. King.
 4. The Water District requested that a groundwater Interim Remedial Measure be instituted to minimize the volume of contaminated groundwater migrating off-site. A discussion on this topic was tabled until later in the meeting.
- B. John Barnes reviewed the status of the Grumman and Navy Proposed Remedial Action Plans (PRAPs), and the off-site investigation at the Hooker/RUCO site which is being conducted by the Occidental Chemical Corporation. The comment periods for both PRAPs ended in mid-December. The off-site well installation activities at the Hooker/RUCO site commenced in late-November.
- C. There was a brief discussion on the list of ARARs presented in the Navy's Feasibility Study Report (March 1994). John Barnes stated that a letter on the subject was forthcoming.

- D. Doug Smolensky and Jan Pravda (Geraghty & Miller (G&M)) gave a presentation on the groundwater model they developed. There are four objectives in this modelling effort:
1. identify off-site downgradient receptors of the plume(s)
 2. optimize the on-site pumping and recharge to limit off-site migration
 3. determine the mass of contamination removed under various scenarios
 4. develop a long-term monitoring program
- E. Carlo San Giovanni (G&M) gave a presentation on the remedial scenarios developed by G&M. A discussion of these alternatives followed.
- F. As stated above, the Bethpage Water District has requested that a groundwater Interim Remedial Measure (IRM) be instituted to minimize the volume of contaminated groundwater migrating beyond the Grumman/Navy facility. Grumman and G&M are evaluating this option.
- G. Schedule for future milestones:
1. Submittal of each party's carbon copy list to the DEC - 12/16/94
 2. John Barnes to distribute comments on the Navy's ARARs - 12/23/94
 3. Grumman to submit a letter regarding an on-site groundwater IRM to the DEC by 1/13/95
 4. The Navy to submit an outline of the Feasibility Study by 1/13/95
 5. NEXT MEETING: JANUARY 27, 1995, AT 1:00 PM IN ROOM 620, NYSDEC OFFICES, ALBANY.

REGIONAL FEASIBILITY STUDY - GROUNDWATER
Bethpage-Hicksville-Levittown Area

December 9, 1994
Plainview, NY

AGENDA

- 1 - Introductory Remarks
 - Summary of NYSDEC/NYSDOH meeting with the Bethpage Water District (12/8/94)
 - Grumman and Navy ROD schedule
 - Off-site RI (Hooker/RUCO)
- 2 - ARARs (Chapter 2 of the Navy's 3/94 FS Report)
- 3 - Groundwater Modelling - Geraghty & Miller
- 4 - Review of List of Scenarios
 - Bethpage Water District's long range plans
 - Time frames for treatment schemes
 - Hicksville/Levittown Water Districts
 - Groundwater pump and treat design - OCC
- 5 - On-site Pumping IRM
- 6 - Outline for the Feasibility Report
- 7 - Schedule for future milestones
- 8 - Miscellaneous Topics

11/20/84 Dec. 9, 1984
 Regional Feasibility Study - Groundwater

<u>Name</u>	<u>Company</u>	<u>Title</u>	<u>Phone</u>
1. Brent O'Dell	G&M	Project Eng.	
2. Andy Barber	Coughlin & Miller	Project Director	
3. Carlo San Giovanni	"	Project Manager	
4. JAMES COLTER	NAVY	PROJECT MANAGER	
5. Dave Brayack	HNUC	Project Manager	
6. John Schafer	G+M	Project Hydrogeologist	
7. Robert Lamonica	LBG	Vice President	
8. Alan Weston	OCC	Project Manager	
9. PATRICK GARRITY	OCC	ENV CHEMIST	
10. JOHN O'HAYMAN	GRUMMAN	DIRECTOR	
11. Doug Smolensky	G + M	Modeler	
12. Jan PRAVDA	G & M	PROJECT HYDROGE	
13. ART GIBSON	GRUMMAN	DIRECTOR	
14. Laurie KUTKER	N.C.D.H	SANITARIAN I	
15. William B. Welling	NYSDEC, ALBANY	ENGR. GEOLOGIST, O&M, D&W	
16. TIM VICKERSON	NYS DOH	ASST. SANITARY EN	
17. Sue McCormick	NYSDEC	Assoc. Envir. Eng	
18. John Barnes	"	EEL	

REGIONAL FEASIBILITY STUDY - GROUNDWATER

Distribution List

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