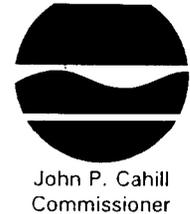


**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Bureau of Eastern Remedial Action, Room 242**  
50 Wolf Road, Albany, New York 12233-7010  
Phone: (518) 457-4349 FAX: (518) 457-4198



November 4, 1999

John Cofman  
Lead Engineer  
Northrop Grumman Corporation  
Mail Stop D08-001  
Bethpage, New York 11714

RE: Northrop Grumman and NWIRP Sites-  
Bethpage Facility, Nassau County Site  
No. 1-30-003A and 1-30-003B.

Dear Mr. Cofman:

This letter is a follow up to our recent telephone conversations regarding the Northrop Grumman Regional Groundwater Operable Unit 2 (OU2) FS. The specific topic of this letter is comment 1 of the September 27, 1999 New York State Department of Environmental Conservation (NYSDEC) comment letter on the OU2 FS. Comment 1 directs Northrop Grumman to change the total volatile organic compound (TVOC) groundwater boundary conditions inserted into the figures of the OU2 FS Groundwater modeling to include the Plant 12 area; which is to the west of South Oyster Bay Road.

Northrop Grumman, for a number of years, has been discharging non-contact cooling water to the Plant 12 facility recharge basins. The source of this non-contact cooling water was Grumman production well 6 and, to a less extent, other wells associated with the networked Northrop Grumman production well system. Therefore, this ties in plant 12 as one of the source areas for total volatile organic compound (TVOC) contamination to the regional groundwater.

The NYSDEC has an additional reason for removing the dashed lines and the truncated contaminant contour lines along South Oyster Bay Road from the modeling figures of Appendix B. Based on the previous and current groundwater modeling results, most, if not all of the groundwater in the area of question to the west of South Oyster Bay Road will eventually find its way to the currently operating interim remedial measure (IRM). The groundwater beneath Plant 12 and west of South Oyster Bay Road in the vicinity of Plant 12 must be included in any future groundwater modeling and plume tracking efforts and must be shown of the OU 2 FS figures accordingly.

Geraghty and Miller has not included trichloroethane (TCA) as a contaminant of concern for the Northrop Grumman Site Plant 12. Currently, Geraghty and Miller is researching this subject with respect historic TCA usage and disposal at Plant 12. This will be discussed on the upcoming OU2

FS pre-meeting conference call and meeting scheduled for November 18, 1999 in Albany.

Though by no means to the extent of TVOC loading from the OXY Hooker Ruco facility, the Plant 12 facility is a source of TVOC groundwater contamination. Therefore, the text in this section and throughout the report will be revised to include the information on Plant 12 and the modeling figures B-4 through B-39 will remove the TVOC line at South Oyster Bay Road and include the groundwater contamination beneath Plant 12. Revisions to the OU 2 FS groundwater modeling results and cost calculations will not be necessary.

If you have any questions, please contact Ms. Susan McCormick, or myself at (518)457-3395.

Sincerely,

A handwritten signature in black ink that reads "Steve Scharf". The signature is written in a cursive style with a large, looped initial "S".

Steven M. Scharf, P.E.  
Project Engineer  
Bureau of Eastern Remedial Action  
Division of Environmental Remediation

cc: W. Gilday, NYSDOH  
M. Wolfert, Geraghty and Miller  
C. Sangiovani, Geraghty and Miller  
J. Colter, NAVY

(Groundwaterfs3.wpd)