

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



Michael D. Zagata
Commissioner

May 23, 1995

Mr. Arthur Gibson
Northrop-Grumman Corporation
Bethpage, NY 11714-3580

RE: Grumman Aerospace-Bethpage Facility
Site Number: 1-30-003A

Dear Mr. Gibson:

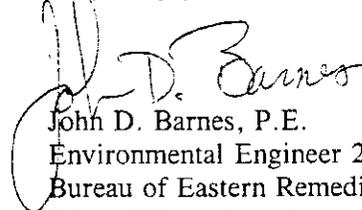
The State has reviewed the groundwater interim remedial measure (IRM) proposal developed by your consultant as well as the comment letter received from the Occidental Chemical Corporation (OCC) (copy enclosed). The Bethpage Water District will comment on the proposal after they have worked with the groundwater model developed by your consultant.

On page 3 of the IRM proposal, it states that the position and design parameters for the containment wells (ONCT-1D and ONCT-2D) were optimized using a particle tracking study. There are some questions regarding this optimization process, particularly with the location of these wells. Therefore, it may prove useful to describe the optimization process in detail. Examples of other particle tracking runs need to be incorporated into the proposal so that the reviewers can see what did not work (where full containment was not realized) and why.

Additional details regarding the construction details for the containment wells need to be incorporated into the proposal. These details include well and borehole diameters, etc. The borehole diameter for the GM-39 well must also be incorporated into the proposal.

Please incorporate the above comments into the IRM proposal, and submit the revised proposal by June 7, 1995. In addition, please forward a copy of the data files for the groundwater model to the Department as soon as practicable. Please feel free to 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. Ervolina
S. McCormick
J. Hussey
T. Vickerson (NYSDOH)
J. DeFranco (NCHD)
J. Molloy (H2M)
A. Weston (OCC)
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J. Cofman (Grumman)
A. Barber (Geraghty & Miller)
C. San Giovanni (Geraghty & Miller)
A. Kern (Navy)
R. Booth (Navy)
Lt. P. Hamilton
D. Brayack (HNUS)