

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
Bureau of Remedial Action A  
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December 12, 2007

Susan Clarke  
Naval Facilities Engineering Command  
10 Industrial Highway, Mail Stop No. 82  
Lester, PA 19113-2090

RE: Naval Weapons Industrial Research Plant  
(NWIRP)-Bethpage, Nassau County Site No. 1-30-  
003B.

Dear Ms. Clarke:

The consulting firm Tetra tech NUS (TTNUS), on behalf of the Department of the Navy (the Navy), has prepared the report entitled "Soil and Groundwater Monitoring Report in Support of the Closed Loop Bioreactor Pilot Scale Study." This report covers the area also known as the former underground storage tanks, tank numbers 03-01-1, -2 and -3 No. 6 fuel oil spill or Area of concern 22 (Site 4) of operable unit 1 (OU 1). This report has been reviewed by the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation Bureau A and Bureau of Spill Response.

The testing detailed in this report, conducted and/or compiled by TTNUS, was submitted to the NYSDEC for review. This as a result of the Locus Technologies Inc. failure, due to bankruptcy proceedings, to complete the previously approved work plan entitled "Closed Loop Bio-reactor Pilot Study Implementation Plan." Based on the results of the sampling, it is apparent that the CLB had overall, only a minor effect on reducing the contamination at the site.

The Recommendation/Conclusion Section did not include any recommendations beyond indicating that CLB is not the appropriate technology for the site. A number of semi-volatile organic compounds exceed the soil standards for industrial use. These soil standards can be found in the revised (12/2006) Title 6 New York Codes Rules and Regulations (6 NYCRR) Part 375.

Significant petroleum contamination remains both in soil and groundwater (floating product at the water table, significant staining and odor etc.) The Department of the Navy needs to take the appropriate action(s) to address this residual soil and groundwater contamination. Also, additional soil borings should be advanced into the water table by at least 2 feet, or until approximately 62-65'

below land surface (bls), whichever is deeper, to verify the horizontal/vertical extent of the contamination. Once that has been accomplished, NAVFAC can then submit the remedial action plan.

The NYSDEC is currently running a No. 6 fuel oil spill clean up near the Regional Headquarters at the University at Stony Brook NY Campus. A site visit, along with details of the technology can be made available at the request of NAVFAC.

Sincerely,

*Steven M. Scharf*

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

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N. Acampora, Region I NYSDEC  
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## Brayack, David

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**From:** Steven Scharf [sxscharf@gw.dec.state.ny.us]  
**Sent:** Wednesday, December 12, 2007 2:32 PM  
**To:** susan.clarke1@navy.mil  
**Cc:** John Swartwout; Nick Acampora; Walter Parish; John cofman; Colleen Dufort; Brayack, David  
**Subject:** NWIRP AOC 22-Site 4

**Attachments:** AOC22-8.pdf



AOC22-8.pdf (18  
KB)

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Electronic Documentation Information  
Region 1, Nassau, Oyster Bay (T)  
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Name: NWIRP AOC 22-Site 4 Report Review

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