State of New Jersey

Department of Environmental Protection

Christine Todd Whitman
Governor

Robert C. Shinn, Jr.
Commissioner

JUN 27 1996

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
NO. P 170 080 170

John Kolicius
Project Manager
Naval Facilities Engineering Command
10 Industrial Highway
Code 1821, Mail Stop 82
Lester, PA 19113-2090

Dear Mr. Kolicius:

Re: Site 16 Bioslurping Pilot Study
Naval Weapons Station Earle
Colts Neck Twp., Monmouth Co.

The New Jersey Department of Environmental Protection (NJDEP) has reviewed the above referenced document prepared by Foster Wheeler Environmental Corporation., dated May 1996. The NJDEP approves this report pending incorporation of the following comments.

1. In a conversation with Foster Wheeler, on or about 19 June 1996, I was informed that the effluent from the bioslurper system will be discharged to the sewer system, not the storm drain system. This change should be included in the final as built report.

2. The work plan does not provide any rationale/justification for the selection of different analytical parameters for the different media that will be encountered. The same analytical parameters for soil, ground water and the LNAPL Product recovered should be analyzed. These parameters should include VOC's and Semi-Volatile Base Neutral Compounds. Full RCRA Characterization will be required for any composite sample of drummed drill cuttings or drummed product.

3. The parameters for the soil gas samples should include total VOC's rather than just BTEX constituents.

4. The contractor shall provide a site map depicting the locations of the proposed soil gas wells.

5. Section 3.4.3 - The contractor shall sample the influent to the treatment unit, so as to monitor the effectiveness of the treatment unit and determine potential break through of carbon units. This influent data will also provide and indication of the levels of dissolved ground water contamination at the respective slurping point(s).

6. The contractor should also prior to start-up of the system collect as baseline set of readings from the three soil gas monitoring points, the recovery wells and any observation wells which will be used during the test. These reading shall include soil gas readings [oxygen, carbon dioxide, OVA/HNu headspace, TPH] from the nested soil gas wells, product level thicknesses from the recovery wells and monitor wells at the site, and water levels and headspace readings from the recovery well and monitor wells at the site. This data will be used in evaluation of the effectiveness of the system in association of the proposed shutdown testing of the system.

7. As part of evaluation of the system, the contractor should construct ground water contour map(s) showing ground water flow before and during pumping. The radius of influence for the pilot system must be determined so that adequate upgrading to the full operating system can be accomplished.

If you have any questions, please call me at (609)-633-7237.

Sincerely,

Bob Marcolina

Bob Marcolina, Case Manager
Bureau of Federal Case Management

c: J. Gratz, EPA
G. Geopfert, NWS Earle
L. Jargowsky, Monmouth Co. Health Dept.