

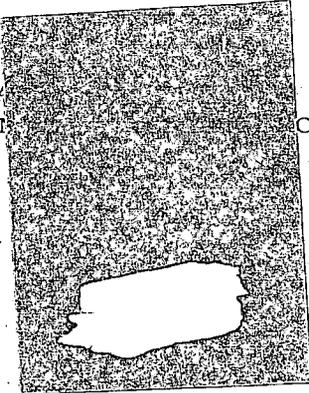


STATE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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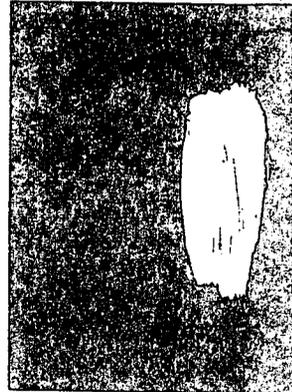
ANGUS S. KING, JR.
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COMMISSIONER



July 16, 1997

Mr. Fred Evans
Project Manager, Code 1821
Department of the Navy, Northern Division
Naval Facilities Engineering Command
10 Industrial Highway, Mailstop 82
Lester, PA 19112-2090



Re: Navy Exchange Service Station (Building 538), Monthly Progress Report
Soil Vapor Extraction/Aquifer Air Sparging Remedial System Operations

Dear Fred,

The Department has received and reviewed the Navy Exchange Service Station (Building 538), Monthly Progress Report and Soil Vapor Extraction/Aquifer Air Sparging Remedial System Operations. Based on the review of these reports the Department has the following comments.

General Comments:

1. The Monthly Progress Report indicated soil vapor extraction (SVE) trenches SVE-1 and SVE-2 were deactivated to allow activation of trenches SVE-6 and SVE-7. The report does not include an explanation of the rationale behind the selection of SVE-1 and SVE-2 for deactivation. Historical data indicates SVE-2 generally has the highest efficiency for removal of volatile hydrocarbons relative to the other SVE trenches (see attached figure). Was SVE-3, which has a generally lower removal efficiency, considered for deactivation? Please provide additional information.
2. Measurement parameters (e.g. flow rate, TVH) were composited for SVE-5, -6, -7, and -8. Compositing of this data will make future analysis of the effectiveness of individual SVE trenches impossible. This is particularly true for SVE-5 which has significant data has already collected. At a minimum, please report SVE data separately for SVE-5. If possible, data should be reported separately for each trench.

Please call me at (207) 287-7713 if you have any questions or comments regarding this matter.

Respectfully,

Claudia Sait
Claudia Sait
Project Manager-Federal Facilities
Bureau of Remediation & Waste Management

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Daily Total Volatile Hydrocarbon Removal Rate (lb/day)

