



Department of Toxic Substances Control



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Arnold Schwarzenegger
Governor

September 11, 2006

Department of the Navy
Base Realignment and Closure
Program Management Office West
1455 Frazee Road, Suite 900
San Diego, CA 92108-4310
Attention: Keith Forman

DRAFT PHASE III SOIL VAPOR EXTRACTION TREATABILITY STUDY REPORT, PARCEL B, HUNTERS POINT SHIPYARD, SAN FRANCISCO, CALIFORNIA

Dear Mr. Forman:

Thank you for the opportunity to review the draft Phase III Soil Vapor Extraction Treatability Study Report. DTSC comments were prepared by Mark Berscheid of the Department of Toxic Substances Control Engineering Services Unit.

If you have any questions regarding these comments please call me at 510-540-3776.

Sincerely,

Thomas P. Lanphar
Senior Hazardous Substance Scientist
Office Military Facilities
Department of Toxic Substances Control

cc: See next page.

Mr. Keith Forman
September 11, 2006
Page 2

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cc: VIA EMAIL

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Department of Toxic Substances Control

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Arnold Schwarzenegger
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MEMORANDUM

To: Tom Lanphar
Project Manager
Office of Military facilities
Berkeley Office

Via: John Hart, P.E. *John Hart*
Chief, Engineering Services Unit

From: Mark Berscheid *Mark Berscheid*
Hazardous Substances Engineer
Engineering Services Unit

Date: September 1, 2006

Subject: DRAFT PHASE III SOIL VAPOR EXTRACTION TREATABILITY
STUDY REPORT, PARCEL B, HUNTERS POINT NAVAL SHIPYARD,
SAN FRANCISCO, CALIFORNIA

This memorandum contains the results of my review of the Draft Phase III soil Vapor Extraction Treatability Study Report (TSR), Parcel B, Hunters Point Naval Shipyard, San Francisco, California. The TSR, dated July, 2006 has been prepared for the Base Realignment and Closure Program Management Office West by Innovative Technical Solutions, Inc., Walnut Creek, California.

SUMMARY/CONCLUSIONS

The ESU has found the TSR to contain information supporting the evaluation of actions directly related to the achievement of the TSR objective and scope of work outlined in Section 1.1, Treatability Study Objective and Scope of Work.

The ESU concurs with the objective and associated scope of work defined in Section 1.1, to evaluate whether enhancements to the soil vapor extraction system (SVE) increased the effectiveness of the SVE technology in reducing residual trichloroethene (TCE) concentrations in soil beneath Building 123 based on SVE operational data.

SPECIFIC COMMENTS

1. Item # 2 of Step 5, Decision Rules, found in Section 1.2, Data Quality Objectives, indicates that depending on achievement of VOC reduction, improvements to increase system effectiveness would be proposed and would include but not be limited to those item listed in that section. The ESU recommends the inclusion of SVE enhancements, specifically sub-surface temperature increase (i.e., hot air injection, resistive heating), in this section of the final TSR document.

If there are any questions, please contact me at (916) 255-6672.

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