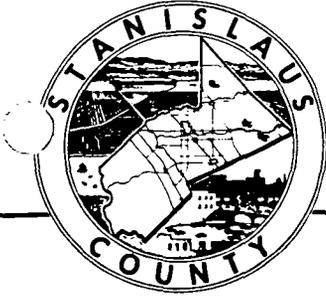


Stanislaus County

N60211_000075
CROWS LANDING
SSIC NO. 5090.3.A

Department of Environmental Resources



1716 Morgan Road
Modesto, California 95358-5894
FAX# (209) 525-4163
(209)
525-4150

December 15, 1994

Mr. Hubert Chan
Naval Facility Management
West Division
Moffet Field, CA

RE: Contamination Site - Naval Auxiliary Landing Field, Crows
Landing

The Hazardous Materials Division has reviewed the following documents submitted by your consultants:

Draft First Quarterly Groundwater Monitoring Report - PRS
Environmental Management, Inc. (9/8/1994)

Draft Site Investigation Report - PRS Environmental
Management, Inc. (9/8/1994)

The groundwater monitoring report describes the June 1994 groundwater monitoring event at the Naval Air Station. 31 monitoring wells have been installed at the air station and 17 of the wells had sufficient water for sampling. It may be appropriate to evaluate the construction of the wells without groundwater to determine if sediment has filled the screened interval preventing the sampling of the wells. The reported screened intervals of the wells should be compared to the depth of the wells measured in the recent event and the known elevation of groundwater. Monitoring wells with a significant sediment accumulation should be redeveloped.

Acetone and the halogenated (methylene chloride) and semivolatiles compounds (phthalates) detected in some of the groundwater analyses may be laboratory artifacts. The presence of the compounds in the groundwater should be confirmed in future monitoring events.

The site investigation of former aircraft hangers (IRP site 17) and the former small arms firing range (IRP site 18) involved the construction of 12 soil borings, the installation of a monitoring well in the deep boring, and the use of geophysical and soil gas surveys. Shallow contamination by petroleum hydrocarbons was detected at the former hanger location.

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Carbon tetrachloride (50ug/l) was detected in monitoring well 17-MW-01. It is suggested in the report that the carbon tetrachloride is related to the groundwater contamination associated with the leaking underground storage tank at location CL-117. Carbon tetrachloride has been detected in monitoring well MW117-6, the well closest to site 17.

Carbon tetrachloride concentrations are greater in well 17MW1 (50 ug/l) than in MW117-6 (2.6 ug/l to 3.0 ug/l) suggesting that the core of the solvent plume, if confirmed, is to the northwest of MW117-6. Carbon tetrachloride was not detected in soil samples taken during the installation of the monitoring wells at site cl-117. However, trace concentrations of the solvents methylene chloride, trichlorofluoromethane, 1-2 dichloroethane and dibromoethane, were detected in soil samples from the monitoring wells at site cl-117.

Additional monitoring to confirm the presence of a solvent plume is warranted. It may facilitate the study of the site if all analytical data is compiled into a table for easy reference. Please call me at (209) 525-4150 if you have any questions.

Sincerely,



Robert Fourt, CEG, REHS
Geologist
Hazardous Materials Division

ca

cc: Kent Strong - DTSC
Karen Bessette - CVRWQCB
Neil J. Bigert - PRC