

NAVAL AIR STATION, ALAMEDA
ALAMEDA, CALIFORNIA

DRAFT FIELD INVESTIGATION WORK PLAN
SUPPLEMENTARY SOIL INVESTIGATION
FOR ENGINEERING EVALUATION/COST ANALYSIS
SITE 7C FORMER LOCATION OF BUILDING 547

Response to Review Comments
from IT Corporation

Comments from Gary Elston, to Lidia Chagonjian: July 26, 1995

1. Comment:

Add a minimum of seven soil gas probes at locations shown in the attached mark-up of Moju's figure 4. This will confirm the assumption that the pipe trench backfill has acted as a distribution manifold (which, in turn, will give us some indication of whether the backfill can be counted-on to act as a collector) and will help establish the extent of the soil gas plume.

Response:

A new Section 4.5 (VAPOR EXTRACTION TEST) will be included in the FIWP. Vapor extraction tests will be conducted at two locations. Detailed description of the protocols and procedures for driving well points and collecting vapor samples are contained in Appendix F of the approved field investigation QAPP.

2. Comment:

Take five or six samples of the sanitary sewer and water line backfill. Provide an estimate of the permeabilities of the backfill and of surrounding soils. This will shed further light on the feasibility of using the backfill to aid in soil vapor collection.

Response:

A revised Section 4.4 (TRENCH INVESTIGATION) will be included in the FIWP.

Trenches will be excavated at six locations to characterize site subsurface soil type, relative permeability, and to collect samples for laboratory sieve and laboratory chemical analyses. The number of soil borings will be reduced to from 20 to 12 with trenching replacing most of the eliminated soil borings. Additionally, data developed from conducting the proposed vapor extraction tests will be more useful than the data expected to be developed from soil borings being eliminated from the investigation.