



November 14, 1991

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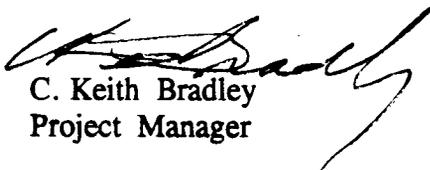
SUBJECT: Final November 15, 1991 Quarterly Report, NAS Moffett Field RI/FS;  
IT Project Number 409729 (A1T508)

Dear Paula:

Enclosed are three final copies of the November 15, 1991 Quarterly Report. We are distributing the remaining copies as before (see Attachment 1). All Energy Systems' comments were addressed. Comments from the Navy were addressed as indicated in Attachment 2.

Please call me if you have questions regarding this report.

Sincerely,

  
C. Keith Bradley  
Project Manager

Enc. Enclosures

1260

CKB:ltl

cc: Stephen Chao, WESTDIV (w/attachment 2)  
Jim Haas, NAS Moffett Field (w/attachment 2)

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## Attachment 1

NAS MOFFETT FIELD QUARTERLY REPORT  
DISTRIBUTION LIST

<u>Person/Affiliation</u>	<u>No. of Copies</u>
Ms. Paula Pritz, MMES	3
Mr. Stephen Chao, WESTDIV 1260	3
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Ms. Cathy McDade, CDM 1265	1
Mr. Josh Marvil, PRC	1
Ms. Sandra Olliges, NASA 1266	<u>1</u>
TOTAL	19

Attachment 2

RESPONSES TO COMMENTS  
FROM NAS MOFFETT FIELD

Mr. Su Don Tu  
Comments dated 29 October 1991

1. Page xiv

Table of contents for Appendix E. The total volume for the whole report is only 1. There is no volume 3. Delete the words VOLUME 3 on the top of this page.

Response

Comment was incorporated.

2. Table 1.1-3

Where are the CLEAN wells designated by W89-XX in Table 1.1-3 situated at?

Response

The CLEAN wells are located on the west side of the Base in the vicinity of Site 9. This report covers only activities at Sites 3 through 7 and thus the CLEAN wells are not shown on maps in this report.

3. Page 2-6, Section 2.6.5

Correct the Site 3 in the last sentence of the paragraph to Site 7.

Response

Comment was incorporated.

4. Figures 2-1 through 2-11

Since the TPHC ND is 125  $\mu\text{g/L}$ , shouldn't the concentration on the top of the TPHCs which have concentrations less than TPHC ND in the histograms be <125, instead of <250?

## Attachment 2

RESPONSES TO COMMENTS  
FROM NAS MOFFETT FIELD  
(continued)

Mr. Don Chuck  
Comments dated 30 October 1991

1. Page 1-1, Paragraph 1, 3rd sentence

You state the "suspected" abandoned wells activities are completed. However, Table 1.1-2 shows that restoration is still in progress at Sites 14 A & C. since work at these two sites are not complete, the sentence should be changed to reflect that restoration is still in progress and that the activity is not complete.

Response

Comment was incorporated.

2. Page 2-1, Paragraph 2, last sentence

TPHC is selected along with TCVOC to represent contamination on the east side. Contamination contour maps based on TPHC should also be included in the report.

Response

The distribution of TPHC values, collected to date, did not lend themselves to contouring. Thus, contours were not drawn.

3. Appendix B-2, Table 2-1

What does the letter "Z" next to the entry for JP-5 results for well W04-14(A1), 06/24/491, stand for? No definition for "Z" is given in the "Footnotes for Data Tables" at the beginning of the section.

Response

Unlike other standard CLP qualifiers, "X," "Y," and "Z" qualifiers are defined by the laboratory as they need them. Specific data packages, that accompany the electronic data, must be consulted to obtain these definitions. This explanation has been added to the "footnote" pages in Appendix B.

## Attachment 2

RESPONSES TO COMMENTS  
FROM NAS MOFFETT FIELD  
(continued)Response (cont'd)

Consultation of the appropriate data package found that, for JP-5 in the sample taken from Well W04-14(A1), on 6/24/91, the "Z" qualifier was assigned to denote that another hydrocarbon was present in the sample that interfered with the JP-5 chromatogram and distorted the JP-5 pattern. In our opinion, for the purposes of the RI in the definition of the extent of contamination at Moffett, this is a useful number and should be included in the database as "TPHC."

4. Appendix G, Page G-11

The following changes need to be made to the project organization chart:

- Capt. R.K. Gray has replaced Capt. S. Quigley of NASMF
- LCdr. J. Yeakley has replaced Cdr. G. Reynolds as Public Works Officer at NASMF
- S. Anschutz has left and Jim Haas is acting Environmental Coordinator at NASMF

Response

The organization chart was included as part of an approved variance to bring the work plan and the quality assurance project plan up to date. We will revise the chart in the near future via another variance.

## Attachment 2

RESPONSES TO COMMENTS  
FROM NAS MOFFETT FIELD  
(continued)

Response

The TPHC ND is 250  $\mu\text{g/L}$  and that value is indicated at the top of the bar. Conventional pictorial presentation of a "non-detect" constituent is to show 1/2 CRQL which is indicated by the dashed line. The height of the bar is set at this point to indicate that the "non detect" value is somewhere between zero and 250  $\mu\text{g/L}$ .

5. General Comment

What is the Federal/State MCL for TPHC in groundwater? Specify the source of information also, if available.

Response

TPHC does not have a Federal or State MCL. TPHC was analyzed because it can be a good indicator of contamination. However, when risk assessments are performed, they do not address TPHC concentrations. Rather, they address the concentrations of the major constituents of TPHC: benzene, toluene, and xylenes (BTX).

A good discussion of approaches to TPHC contamination can be found in the California Leaking Underground Fuel Tank (LUFT) Manual, a guidance manual published by the California Department of Health Services (DHS). Please note, however, that the LUFT Manual, (1) is a guidance document only and (2) does not specifically apply to TPHC contamination that did not result from leaking underground fuel tanks.

N00296.001260  
MOFFETT FIELD  
SSIC NO. 5090.3

ENCLOSURE

3RD QUARTER 1991  
REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
QUARTERLY REPORT

DATED 15 NOVEMBER 1991

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