

**TRACKING MEETING MINUTES
 ENVIRONMENTAL ACTIONS AT
 ALAMEDA POINT
 June 16, 1998**

These minutes summarize the tracking meeting for environmental actions at Alameda Point. The meeting was held on **June 16, 1998**, from 9:00 a.m. to 12:00 noon, at Building 1, 950 West Mall Square, Alameda Point in Alameda, California. The following people attended the meeting:

<u>Name</u>	<u>Organization</u>	<u>Telephone</u>
Steve Edde	Base Realignment and Closure (BRAC) Environmental Coordinator (BEC)	(510) 749-8903
Lynn Suer	U.S. Environmental Protection Agency (EPA)	(415) 744-2396
Anna-Marie Cook	EPA	(415) 744-2367
Mary Rose Cassa	Department of Toxic Substances Control (DTSC)	(510) 540-3769
Bernie Edrada	DTSC	(510) 540-3955
Ann Klimek	Naval Facilities Engineering Command, Engineering Field Activity West (EFA WEST)	(650) 244-2714
Patricia McFadden	EFA WEST	(650) 244-2520
Ronald Yee	EFA WEST	(650) 244-2558
Warren Yip	EFA WEST	(650) 244-2627
George Kikugawa	EFA WEST	(650) 244-2549
Elizabeth Johnson	Alameda Reuse and Redevelopment Authority (ARRA)	(510) 864-3403
Tim Ault	International Technology Corporation (IT Corp.)	(510) 372-9100
Dan Baden	IT Corp.	(510) 372-9100
Dan Shafer	Tetra Tech EM Inc. (TtEMI)	(916) 853-4505
Roberta Tassej	TtEMI	(916) 852-8300
Matt Udell	TtEMI	(916) 853-4516
Kathy Chaloupka	TtEMI	(415) 222-8214

Opening: Administrative

The tracking meeting officially started at 9:10 a.m. Attachment A contains copies of tracking meeting project status summary sheets handed out during the meeting. The format of the meeting was changed from that of previous monthly tracking meetings in that specific items were discussed rather than all Navy remedial project managers (RPM) giving updates on their respective projects.

Mr. Steve Edde opened the meeting by discussing the new agenda and format for the BRAC Cleanup Team (BCT) monthly tracking meetings. Mr. Edde asked for any comments on the meeting minutes for the May 19, 1998, BCT meeting. No comments were provided.

Following is a list of the action items identified at the May 19, 1998, BCT tracking meeting (in regular font type) followed by the status determined at the June 16, 1998, BCT tracking meeting (in italics). Pending action items from the following list were rolled over into the action item list for the June 16, 1998, BCT tracking meeting, which is presented toward the end of these meeting minutes.

1. Mr. Sharma will ensure that an executive summary of the Alameda Point environmental program schedule gets included in the BCP. *Complete.*
2. Mr. Ronald Yee will confirm the date for a BEREC presentation for the presentation of sediments characterization study to the BCT. *Mr. Yee indicated he was having difficulty finding a date for this meeting to fit into all parties' schedules. Mr. Yee is currently looking to hold the meeting in August 1998 and will let all parties know the date as soon as possible.*
3. Mr. Kikugawa will forward details on the phytoremediation treatability study to ARRA. *Complete.*
4. Mr. Ronald Yee will provide details on the status of the Sediment Transport Study in the operable unit (OU)-4 ecological assessment work plan. *Complete.*
5. Ms. Suer will forward a reference to a Navy report on bay current flows around Alameda Point to Mr. Ronald Yee. *Ongoing.*
6. Mr. Sharma will follow up with the Alameda Annex team at TtEMI regarding the benzene groundwater plume. *Mr. Shafer indicated the draft groundwater monitoring report for the Alameda Annex is expected to be submitted to the Navy by June 19, 1998. The report will present benzene data for groundwater.*
7. Mr. Kikugawa will look into alternatives for the disposal of the excavation water produced during the radiation removal project. *Complete.*
8. Ms. Suer and Ms. Cook will issue a letter on EPA's position on the Beneficial Use Technical Memorandum for Alameda Point. *In progress.*
9. Ms. Suer will forward a letter from EPA to the Navy on the dermal absorption issue based on discussions at the April 28 and 29, 1998, agency comment resolution meetings. *Complete.*
10. Ms. Suer and Ms. Cook will forward any comments to the Navy on the resolution document for OU-1 RI issues by May 26, 1998. *Complete.*
11. Mr. Wong will forward details on the phytoremediation treatability study to ARRA. *This action item was deleted as it was a duplicate of item #3 above.*
12. TtEMI will provide monthly updates at each tracking meeting on deliverables to be issued during the following month. *Complete.*

Item: Remedial Project Manager Reports

The Navy provided project summary sheets on projects its RPMs are currently managing. Details of each project were not presented at the meeting; rather specific topics were discussed as recorded in the following text. The project summary sheets are enclosed as Attachment A to these minutes.

UPDATE ON BACKGROUND METALS IN GROUNDWATER (Mr. Matt Udell)

Mr. Udell provided a handout to the BCT identifying a list of monitoring wells in the western, central, and southeastern portions of Alameda Point to be used for deriving a background data set for groundwater. Mr. Udell informed the BCT that the wells fall into one of two categories. Category 1 wells are those that contained no detectable concentrations of organic compounds during any of the six sampling quarters; category 2 wells are those that contain detectable concentrations of organic compounds, but at concentrations that do not exceed the 1996 preliminary remediation goals (PRG) for tap water. The handout additionally identified (1) a list of detected organic compounds whose method detection limits (MDL) exceed PRGs and (2) a list of organic compounds whose MDLs are less than PRGs.

Mr. Udell indicated the next step in identifying a background data set is to compare the MDLs against the inorganic compounds (metals) detected during the quarterly sampling. The objective of this screening is to determine whether a release exists to groundwater and what the nondetects mean. The BCT agreed that for those instances where inorganic compounds (metals) were not detected, one-half the MDL would be used.

Ms. McFadden indicated she would check with Theresa Lopez for a date when the background data set would be completed. Ms. McFadden added that the revised draft OU-1 remedial investigation (RI) report would be submitted to the BCT by the end of August or first part of September 1998. Ms. Cassa requested the revised draft OU-1 RI report provide the rationale for selection of the background data set and selection of monitoring wells from which the data set was derived.

UPDATE ON ECOLOGICAL RISK ASSESSMENT FOR OU-1 (Ms. Patricia McFadden)

Ms. McFadden provided the BCT a handout of the "Approach for Assessing Transport of Chemicals in Groundwater to Surface Water." For OU-1, the Navy will conduct fate and transport modeling on the five sites in OU-1 (Sites 6, 7, 8, 15, and 16 [Light Industrial OU]); no dilution attenuation factor will be used. Ms. McFadden requested the BCT review the handout and to get back to her by June 19, 1998, with any comments or questions. Ms. Suer asked what modeling approach will be used. Ms. McFadden indicated the Navy would use the same modeling approach it used in the current OU-1 RI report, but would confirm this with Mr. Peter Boucher (TtEMI). The BCT requested the modeling name and parameters be provided to them for evaluation.

Action Items:

- (1) The BCT is to review the "Approach for Assessing Transport of Chemicals in Groundwater to Surface Water" handout and respond to Ms. McFadden by June 19, 1998, with any comments or questions.
- (2) Ms. McFadden will confirm with Mr. Peter Boucher regarding the fate and transport modeling approach to be used in the revised draft OU-1 RI report.

ZONE 23 AND ZONE 6 PARCEL RECLASSIFICATION DISCUSSION (Mr. Warren Yip)

Zone 23

Mr. Yip, TtEMI, and IT Corp. presented data and other information to the BCT regarding the parcels in Zone 23 to support reclassification of these parcels and their eventual transfer. Information including the location of groundwater contamination plumes, soil contaminant data, human health risk assessment calculations, groundwater flow direction, and underground storage tank and fuel line information was evaluated. Based on the evaluation of these data, the BCT tentatively agreed to the following environmental condition of property (ECP) reclassification scheme for the parcels in Zone 23:

<u>Parcel</u>	<u>ECP Reclassification</u>
161	1
162	2
165	3
166	1
167	3
168	3
169	7
198	3

The regulatory agencies had questions regarding a possible washdown area on Parcel 169. Navy agreed to check on whether a washdown area actually existed on Parcel 169 and provide any information it obtains to the BCT so this parcel can be reclassified accordingly. The regulatory agencies agreed to respond to the Navy by June 19, 1998, with their position on the reclassification of parcels in Zone 23.

Zone 6

Mr. Yip, TtEMI, and IT Corp. presented data and other information to the BCT regarding the parcels in Zone 6 to support reclassification of these parcels and their eventual transfer. Information including the location of groundwater contamination plumes, soil contaminant data, human health risk assessment calculations, groundwater flow direction, underground storage tank and fuel line information, and tidelands trust jurisdiction was evaluated. The regulatory agencies expressed concern over the presence of elevated concentrations of metals in groundwater beneath Parcels 191 and 192 (also Parcels 34, 35, and 36 because of their location with respect to Parcels 191 and 192) and informed the Navy that their reclassification and transfer for unrestricted use was unacceptable. Navy informed the regulatory agencies that all the parcels in Zone 6 were planned for industrial reuse with the exception of Parcel 37 (recreational) and as a result of the tidelands trust jurisdiction that prohibits residential redevelopment, unrestricted use was inappropriate for this area. Also, the Navy informed the regulatory agencies that the human health risk assessment (industrial and recreational use scenarios) conducted for these parcels supports their industrial reuse. After much discussion, the BCT tentatively agreed to the following ECP reclassification scheme for the parcels in Zone 6:

<u>Parcel</u>	<u>ECP Reclassification</u>
29	2

<u>Parcel</u>	<u>ECP Reclassification</u>
30	2
31	2
32	3
33	1
34	6
35	6
36	6
37	2
190	3
191	6
192	6
193	1
204	1

The regulatory agencies agreed to respond to the Navy by June 19, 1998, with a letter documenting their position on the reclassification of parcels in Zone 6.

Action Items:

- (1) The regulatory agencies agreed to respond to the Navy by June 19, 1998, with their position on the reclassification of parcels in Zones 6 and 23.
- (2) Navy will check whether a washdown area existed on Parcel 169 and provide any information it obtains to the BCT.

FUEL LINES (Mr. Warren Yip)

Mr. Yip stated a telephone conference was held with Mr. Dennis Mishak of the Regional Water Quality Control Board (RWQCB) and Mr. Eric Munro (IT Corp.) on June 12, 1998, to discuss the comments Mr. Mishak had on the fuel line removal project. Mr. Yip indicated that he and Mr. Munro resolved all of Mr. Miskak's comments. Mr. Yip also indicated that Mr. Munro spoke with East Bay Municipal Utility District (EBMUD) and agreed to discharge any water generated during the fuel line removal process to the sanitary sewer system under the existing National Pollutant Discharge Elimination System (NPDES) permit as long as compounds in the water are within the discharge limits; water with compounds exceeding the discharge limits would be taken off site. Mr. Yip stated the work plan will be submitted on June 19, 1998. Because of financial concerns associated with removal and disposal of reinforced concrete in certain areas, some of the fuel lines will be abandoned in place. In this instance, the lines will be pressure tested to determine whether leaks are present. If no leaks are detected, the lines will be pressure grouted in place. Mr. Yip added that a pre-construction meeting is scheduled for June 19, 1998. The regulatory agencies requested that road closure issues in front of the fire station be discussed with the fire department with respect to the inoperable doors that would be affected.

RADIOLOGICAL REMOVAL ACTION (Mr. George Kikugawa)

Mr. Kikugawa indicated that the RWQCB issued a letter to DTSC identifying the discharge limits for water collected from the trenches during the radiological removal action at Buildings 5 and 10. Mr. Kikugawa stated he had not yet received a copy of the letter; Ms. Cassa provided him a copy at the meeting. Discharge limits for most volatile organic compounds are the same as the general permit (5 parts per billion). No limits for inorganic compounds (metals) were provided in the letter; however, Ms. Cassa requested the water analyses results be submitted to her so she could compare them with background.

Ms. Cassa stated she wants to see the Technical Work Document (TWD) modified in response to her original comments before it goes out for public comment. Mr. Kikugawa agreed and expressed his desire for DTSC to respond to the modifications as soon as possible so the Navy could mobilize to the field and take advantage of the summer months' weather. Ms. Cassa agreed. The following schedule was agreed to by the BCT:

<u>Activity</u>	<u>Dates</u>
Public notice period:	June 26 to July 25, 1998
Public meeting:	July 1, 1998 (tentative - all parties to check schedules)
Response to public comments:	July 26 to August 14, 1998
Start fieldwork:	mid-August 1998

PATRICK LYNCH LETTER (All)

Ms. Klimek handed out a draft response to Mr. Patrick Lynch's letter, dated June 5, 1998. After review of the letter, all parties present agreed that the March 1997 hazard communication document should be updated to reflect current environmental conditions at Alameda Point and that the Navy should specifically address each of Mr. Lynch's allegations. Included in the revised response should be a reference to the Bureau of Electricity via the ARRA.

Action Item:

Navy will revise the response letter to specifically address Mr. Lynch's allegations and include a reference to the Bureau of Electricity.

SCHEDULES (Mr. Steve Edde)

Mr. Edde called reference to the current disposal schedule map prepared by the Navy that identifies the new OU boundaries and associated conveyance dates. Mr. Edde emphasized that no schedules are considered revised until they are approved by the Deputy Secretary of the Navy.

RESOURCE CONSERVATION AND RECOVERY ACT STATUS (Mr. Warren Yip)

Mr. Yip provided handouts to the BCT showing the current status of Resource Conservation and Recovery Act (RCRA) facilities at Alameda Point. The handouts consisted of excerpts from the draft EBS data summary reports (Tables 3-2 and 3-5) and the draft 1998 BCP (Tables 5-3 and 5-4). Ms. Cassa

expressed concern regarding Table 3-6 in the draft EBS data summary reports, which identifies miscellaneous solid waste management units (SWMU) and includes a description column indicating 'location and status unavailable'. She stated that the status of these SWMUs should be updated and that the final EBS data summary reports should not include these statements. She also requested a map be included in the final EBS data summary reports to show the location of all SWMUs and generator accumulation points. After reviewing the handouts, Mr. Bernie Edrada indicated the Navy is addressing all RCRA SWMUs and areas of concern (AOC) in the EBS program. He added that SWMU B-282 can be addressed with the fuel line removal investigation in that area. Mr. Edrada indicated the RCRA facilities may fall into different categories based on the following status options:

1. Facilities for which no further action is warranted, these facilities can drop out.
2. Facilities for which no further investigation is needed based on the data collected, an evaluation of the data with a risk assessment should be conducted to support this status.
3. Facilities for which further investigation is required, some of the facilities may be located within existing OU boundaries and, therefore, be addressed in the installation restoration program. Others may be located outside OU boundaries and, therefore, be addressed under a corrective measures study.

Action Items:

- (1) Mr. Ault and Ms. Tassej will prepare a table of SWMUs for the Part A permit requiring further action and a table of SWMUs requiring no further investigation. Mr. Ault and Ms. Tassej will prepare a letter documenting the SWMU status and whether no further action or no further investigation is recommended. Mr. Yip will forward this letter to Mr. Edrada for review and signature.
- (2) Ms. Tassej will e-mail Mr. Ault Section 5 of the BCP.
- (3) Mr. Ault will update Section 3 of the EBS data summary reports with Section 5 of the BCP and get any other information from Ms. Tassej and/or Mr. Roger Caswell (Alameda Point).
- (4) Mr. Ault and Ms. Tassej will prepare a table of SWMUs for the Part B permit requiring further action and a table of SWMUs requiring no further investigation.
- (5) Mr. Ault will meet with Ms. Cassa on July 10, 1998 to discuss RCRA SWMU status and will contact Mr. Randy Cate (EFA WEST) as needed.

MISCELLANEOUS

1. With current workloads and document review schedules, the regulatory agencies indicated they would not be reviewing the 1998 draft BCP. The regulatory agencies agreed the BCP could be finalized for an August 1998 submittal.
2. With the negotiations that have taken place over the last several weeks on parcel reclassification, the regulatory agencies agreed draft final versions of the EBS data summary reports with tiered screening analysis for all 23 zones would not need to be prepared. Once all reclassification decisions have been completed, the reports can be finalized. These final versions will undergo a quick review

investigation is recommended. Mr. Yip will forward this letter to Mr. Edrada for review and signature. *Met w/ Mr. Cassa on 7/14 and prepared revised table w/ letter. will schedule meeting when complete.*

11. Ms. Tassej will e-mail Mr. Ault Section 5 of the BCP. *- done*
12. Mr. Ault will update Section 3 of the EBS data summary reports with Section 5 of the BCP and get any other information from Ms. Tassej and/or Mr. Roger Caswell (Alameda Point). *- ongoing.*
13. Mr. Ault and Ms. Tassej will prepare a table of SWMUs for the Part B permit requiring further action and a table of SWMUs requiring no further investigation. *- ongoing*
14. Mr. Ault will meet with Ms. Cassa on July 10, 1998, to discuss RCRA SWMU status and will contact Mr. Randy Cate (EFA WEST) as needed. *- done*
15. The BCT will check their schedules and arrange a date to meet to discuss scoping of IR sites 14 and 25. *- ongoing* *Mr. Cassa wants detection limits to match PCEs.* *Get aerial photos for Parcel 182*
BCT to meet w/ Ault on 8/3 in SF (EPA) @ 1:00 p.m. *to meet by 7/23.*

The following meetings were scheduled at the June 16, 1998, tracking meeting.

1. Mr. Ault will meet with Ms. Cassa on July 10, 1998, to discuss RCRA SWMU status and will contact Mr. Randy Cate (EFA WEST) as needed.
2. Mr. Ronald Yee will confirm the date for a BERCC presentation for the presentation of sediments characterization study to the BCT. Mr. Yee is currently looking to hold the meeting in August 1998 and will let all parties know the date as soon as possible.

The next monthly tracking meeting will be held on **Tuesday, July 21, 1998**, at Alameda Point, Building 1. The morning session will be from **9:00 a.m. to 11:30 a.m.**; the afternoon session will be from **1:00 p.m. to 4:00 p.m.**

Attachment A

June 16, 1998

Project Status Summary Sheets

**Tracking Meeting
Environmental Actions at Alameda Point**

ALAMEDA POINT II PROJECT STATUS

6/7/98

(RPM: George Kikugawa)

Site No. / Contract	Description	Status	Agency Target Date	Agency Comment Due Date	Comments
Site 16	REMOVAL ACTION DOCUMENTATION				
TTEMI CTO 22	Draft Removal Action Closeout Report for Site 16	Preparing Document	6/5/98	7/6/98	This report will closeout the Site 16 Removal Action.
Sites 1, 2, 5, 10 + St. Drs.	RADIOLOGICAL REMOVAL ACTION DOCUMENTATION				
TTEMI CTO 147	Draft Final Radiation Technical Work Document (TWD) / Draft RAP	Additional DTSC and US EPA Comments Received and Responded to.	6/26/98	7/27/98	Alternatives for radiological decontamination are presented. Document will address known radiological contamination and cleanup requirements. 30 day Public Comment period planned to start June 26.
Sites 1, 2, 5 & 10	LANDFILL SURVEY AND PIPING REMOVAL ACTION				
SSPORTS	Draft Final Landfill Radiation Survey and Piping Removal Work Plans	Preparing responses to Comments from DTSC / DHS.	6/23/98	7/14/98	Work Plan and Health & Safety Plan for conducting landfill surveys and building surface decontamination and piping removals. Need to conduct landfill surveys to characterize removals. Surveys expected to start in late June.
Site 5 (bldg. 5) & Site 10 (bldg. 400)	RADIOLOGICAL REMOVAL ACTION - STORM DRAIN WORK PLANS				
NWT (RASO IOC)	Draft Work Plan Storm Drain, Radiological Removal Action	Document submitted for review. Comments due 6/15	5/15/98	6/15/98	Removal Action work plans for under floor and underground piping replacement.
Site 5 (bldg. 5)	RADIOLOGICAL REMOVAL ACTION - ADDITIONAL SURVEYS IN BLDG. 5				
TTEMI CTO 239	Draft Radiological Survey Work Plan	Working to award contract.	7/22/98	8/13/98	Additional spaces in bldg. 5 may have been used for radium work. These spaces will be surveyed and any radiation found will be decontaminated in parallel with the Removal Action.

NAS Alameda Project Status and Update

Delivery Order/ CTO #	Description	Status	Agency Target Date	Comments due to Navy by	Comments
	RI/FS COMPONENTS				
166	OU 1 RI documents	Draft RI	2/11/98	4/10/98	Comments received by 15 Apr 98. Additional comments received on ecological risk assessment 5/18/98.
		Comment resolution meeting	4/28/98 and 4/29/98		OU1 issue resolution meetings held 4/28/98 and 4/29/98 were very productive. Still awaiting EPA letter on dual tracking. Unresolved issues include total risk and ecological risk assessment.
	Underlined dates will change based on RI revision date and need to meet ARRA reuse plans.	Revised Draft RI	<u>8/28/98</u>	<u>10/30/98</u>	Tentative schedule has a late August or Early September revised Draft RI. ARRA has requested a schedule and issues meeting with the BCT.
		Draft Final RI	<u>12/14/98</u>	<u>1/20/99</u>	30 day review of RI and FS based on BCT approved schedule.
		Final RI	<u>2/9/99</u>	NA	
		Draft FS	<u>2/9/99</u>	<u>4/10/99</u>	45 day review of RI and FS based on BCT approved schedule.
		Draft Final FS	<u>5/6/99</u>	<u>6/8/99</u>	30 day review of RI and FS based on BCT approved schedule.
		Final FS	<u>6/29/99</u>	NA	
	OU 1 Open House		<u>TBD</u>		The need for an OU1 ROD open house needs to be discussed with sufficient planning time. ROD expected 1/31/00 tentatively.
168	OU 3 RI documents	Draft RI	<u>3/25/99</u>	<u>6/24/99</u>	45 day review of RI and FS based on BCT approved schedule.
167	OU 2 RI documents	Draft RI	<u>3/8/99</u>	<u>5/10/99</u>	Tentative schedule shows attempt to keep OU2 on current schedule. 60 day review of RI and FS based on BCT approved schedule.
180	OU 4 RI documents	Draft RI	<u>10/15/99</u>	<u>12/16/99</u>	Tentative schedule shows attempt to keep OU4 on current schedule. 60 day review of RI and FS based on BCT approved schedule. Ron Yee is new RPM.
122	Site 4, 5, & 14 investigation	Field Data Report (no review)	6/10/98	NA	Field sampling complete. Site 4 plume has gone past site 11. Plume maps being developed based on field data. Plume maps and data report expected by 6/26/98.
108	Beneficial Use of Groundwater	Draft Determination of the Beneficial Uses of Groundwater at Alameda Point	OBE	OBE	Based on discussion at the 5/11/98 meeting with regulators, the Beneficial Use Tech Memo is on hold. Navy is awaiting written notice from EPA on groundwater potability issue.
	TBD = To Be Determined				
	OBE = Overcome By Events				

Patricia McFadden
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1
Working document
Subject to change

3/15/98
Updated

ALAMEDA NAVY AIR STATION
RI PROJECT STATUS
(RPM: DENNIS WONG)

Site No. Contract	Description	Status	Agency Target Date	Agency Comment Due Date	COMMENTS
Site 15	Removal Action				
CTO-258	Draft Removal Action Closeout Report	Preparing document	7/10/98	8/10/98	This report will closeout the Site 15 removal action. Activities at Site 15 and the TSTA will be reported.
	Final Removal Action Closeout Report		9/30/98		
CTO-57	TREATABILITY STUDIES				
Site 5	Electrokinetics				
	Operation	On-going			This demonstration is rescheduled to complete by the end of June 98.
	Draft Pilot-Scale Report		8/21/98		
Site 4	Phytoremediation				
	Draft Work Plan		7/9/98	7/24/98	Quick turnaround is required for document review.
Site 13	Emulsion Recycling				
	Draft Work Plan		8/15/98	9/15/98	A bench-scale study of Emulsion Recycling technology on Site 13 soil.
Basewide	Groundwater Monitoring				This is not a long term monitoring program rather it is in support of RI/FS.
CTO-108	2nd Quarter Data Summary Report		7/13/98	N/A	This report will be issued for information when complete.
Basewide	Storm Sewer Study				
CTO-202	Data review and analysis				Review existing data and collect additional information for verification if necessary.
	Draft Study Report		10/23/98		Recommendations for repair will be included in the report.

ALAMEDA POINT
PROJECT STATUS
(RPM: DAN YEE)

Contract Number	Description	Status/ Remark
UST 374A & 374B	Removal Action	
ATG	Remove 2-500,000 gal JP-5 USTs and associated fuel lines	the USTs are scheduled for closure.
TT/EMI CTO	Oversight and confirmation samplings	Preparing closure document.
MOJU	UST- RI/CMS	
DO-008	Investigate and evaluated 69 USTs which were removed at 33 sites for closure requirements	Conducted field investigations and preparing data analysis for evaluation. CMS is being prepared.
MOJU	Active UST Design	
CTO-005	Draft Final Report received 12/22/97	Contract being prepared for award.
MOJU	Abandoned UST Design	
CTO-006	Draft Final Report received 12/22/97	Document being prepared for FY 99(98W) award
MOJU CTO-011	Investigate suspected USTs at sites # 5 parcel 54, 39 parcel 70, 40 parcel 195, 118 parcel 197, and 372 parcel 134.	Contract awarded 3/23/98

NAS ALAMEDA EC RISK ASSESSMENT

6/16/98

BERC STATUS

(RPM: Ronald Yee)

Site No. / Contract	Description	Status	Agency Target Date	Agency Comment Due Date	Comments
Basewide	DATA SUMMARY REPORT				
TT EMI CTO 13	Data Summary Report	In development	3/31/98	NA	Data summary report will incorporate data tables for ecological risk information in an easy to reference format.
OU 3	ECOLOGICAL RISK ASSESSMENT				
TTEMI CTO 124	Preparation of Ecological Assessment for RI Report	In development	8/18/98	10/2/98	No additional eco field work will be necessary for OU 3.
OU 2	ECOLOGICAL RISK ASSESSMENT				
TTEMI CTO 124	Summary of OU 2 ERA approach	Completed	2/9/98	NA	A brief summary of ERA approach was sent to regulators in response to requests at the Dec 11 conference call in which the methodology was presented.
TTEMI CTO 124	Screening Level ERA	Completed	NA	NA	Met with regulators on March 16 to present the results of the screening level ERA and discuss details of upcoming field work.
TTEMI CTO 124	Ecological Assessment Work Plan	Draft in development	5/1/98	6/20/98	Need to expedite OU 2 field work schedule in order to meet submittal dates for OU 2 RI Report.
		Final	6/20/98	NA	
TTEMI CTO 124	Ecological Assessment Field Work	Scheduled to start 6/16/98			Field work will include plant, invertebrate, and small mammalian tissue collection and analysis for chemicals of potential ecological concern (COPECs).
TTEMI CTO 124	Preparation of Ecological Assessment for RI Report	Scheduled to start 8/25/98	2/24/99	4/26/99	Results of ERA will be incorporated into the RI Report. See OU 2 RI schedule for submittal dates.

NAS ALAMEDA ECO RISK ASSESSMENT

6/16/98

BERC STATUS

(RPM: Ronald Yee)

Site No. / Contract	Description	Status	Agency Target Date	Agency Comment Due Date	Comments
OU 4	SEDIMENT TRANSPORT STUDY				
TTEMI CTO 124	Draft Sediment Transport Study	In development	5/30/98	6/30/98	TT EMI and subcontractor (Levine-Fricke-Recon) are completing an assessment of sediment transport
OU 4	ECOLOGICAL RISK ASSESSMENT				
TTEMI CTO 124	Ecological Assessment Work Plan	Draft in development	8/5/98	9/17/98	Met with regulators on March 16 to decide on sediment sampling locations and toxicity tests.
		Final	10/8/98	NA	
TTEMI CTO 124	Ecological Assessment Field Work	Scheduled to start 10/9/98			Field work will include toxicity tests contaminated sediment.
TTEMI CTO 124	Preparation of Ecological Assessment for RI Report	Scheduled to start 1/8/99	9/30/99	12/2/99	Results of ERA will be incorporated into the RI Report. See OU 4 RI schedule for submittal dates.

ALAMEDA POINT EBS, FOST, BCP, FUEL LINE PROJECT STATUS

Consultant	Description	Status	Target Date	Agency Comment Date	Agency Meeting Date	Comments
Tetra Tech EM Inc.	BASE WIDE EBS/SCREENING/FOST					
	Human Health Tiered Screening	Agencies reviewed Draft Final document. Revised final document completed 4/17/97 with revisions to 12/12/96 final document.	-	-	-	Finalized document and response to agency comments to be completed 12/12/96. Issue elevated to management level. Revision to Final document completed. Proceeding with screening parcels for transfer or referrals.
	Sector EBS/FOSL	Completed and signed 4/24/97.	-	-	-	Completed.
	Utilities Disclosure	In Progress.	Draft 5/30/97.	-	-	
	Base wide EBS	-	-	-	-	Completed 4/25/97 with completion of the EBS Sectors I and II. Will discuss with agencies. Propose: Database will serve as Base wide EBS and is continually updated.
	GIS/Database	In Progress. Addressing QA/QC issues and primary sources.	5/30/97	-	-	QA/QC completed. Agencies received all EBS data July 97. Overall completion 10/97 but will continue with updates to the database.
	Reclassifications/Referrals and FOST/Property Transfer	In Progress. Base wide EBS and Human Health Risk Screening will be used to support decisions for transfer.	Start 6/25/98	-	-	In progress. Schedule based on completion of NEPA ROD. Note schedule change: Anticipated completion 7/99.
IT, Corp.	EBS DATA SUMMARY REPORTS PHASE II A/B (Results, Referrals, & Reclassification)					
	Draft Data Summary Reports for Phase II A/B and Tiered Screening.	Zones 20, 21, 23	8/25/97	9/19/97 and 10/31/97	-	On Schedule
	Draft Data Summary Reports for Phase II A/B and Tiered Screening.	10 Zones (East to West)	11/21/97	2/13/98 and 2/19/98	-	Note schedule change.
	Draft Data Summary Reports for Phase II A/B and Tiered Screening.	10 Zones (remaining)	1/23/98	3/30/98	-	Note schedule change.
	Draft Final Data Summary Reports for Phase II A/B and Tiered Screening.	10 Zones	3/30/98	8/25/98	-	Note schedule change.
	Draft Final Data Summary Reports for Phase II A/B and Tiered Screening.	13 Zones	8/25/98	9/25/98	-	Note schedule change.
	Final Data Summary Reports for Phase II A/B and Tiered Screening.	23 Zones	10/25/98	-	-	Note schedule change.
	FOST/Transfer Property	Base wide EBS and Human Health Risk Screening will be used to support decisions for transfer.	Start 10/25/98	-	-	In progress. Schedule based on completion of NEPA ROD. Note schedule change: Anticipated completion 1/99.
	OTHER PROJECTS					
BCT	Draft BCP	In-review by agency	6/29/98	-	-	Schedule for BCP set by BCT

ALAMEDA POINT, EBS, FOST, BCP, FUEL LINE PROJECT STATUS

Consultant	Description	Status	Start Date	End Date	Agency Meeting Date	Comments
IT Corp.	ABANDONED FUEL LINE REMOVAL ACTION					
	Award Delivery Order 116		4/15/98	-	-	
	Prepare Removal Action Workplans		4/15/98	5/5/98	-	
	Navy/Agency Review RA Workplans		5/19/98	6/19/98	-	
	Final Removal Action Workplans		6/19/98	6/22/98	-	
	Field Work		6/22/98	12/15/98	-	
	Post Construction Documentation		12/15/98	1/15/99	-	
	Final Field Activity Report		-	1/15/99	-	

ALAMEDA POINT

Upcoming Deliverables

(within next 6 weeks)

as of 6/12/98

CFO#	Deliverable	Anticipated Submittal Date
205	First Quarter Data Summary Report for Funnel & Gate	June 30, 1998
124	Final Ecological Work Plan for OU-2	July 7, 1998
124	Draft Ecological Work Plan for OU-4	July 7, 1998
57	Phytoremediation Draft Work Plan	July 10, 1998
30	Sampling Plan for In-place Closure of Fuel Lines and Removal of USTs	July 17, 1998
147	Radiological Removal Action Technical Work Document / Final Remedial Action Plan for IR Sites 1, 2, 5, and 10	July 17, 1998
147	Final Removal Site Evaluation for Removal Action at IR Sites 1, 2, 5, and 10	July 17, 1998

**APPROACH FOR ASSESSING TRANSPORT OF CHEMICALS
IN GROUNDWATER TO SURFACE WATER
ALAMEDA POINT**

	DRAFT (February 1998)	REVISED DRAFT
Background Chemical Screening	No screening of inorganic chemicals based on background.	Identification and screening of inorganic chemicals based on groundwater background data set and statistical approach.
Exposure Point Concentration	Maximum concentration detected at the site.	95 percent upper confidence limit (95/UCL) concentration calculated using site data set.
Dilution-attenuation Factor Approach	Maximum site concentration was divided by a dilution-attenuation factor (DAF) of 10 before comparing to water quality standards. Factor of 10 had been used on several other Navy and non-Navy projects. DAF was used because groundwater concentrations should not be compared to <u>ambient</u> water criteria.	For OU-1, because the number of sites is small and the sites are spread out geographically, no DAFs will be used. The Navy will re-evaluate the use of DAFs for OU-2, which has a larger number of sites and where a streamlined chemical screening approach would be more beneficial.
Modeling Approach	A one dimensional, advection-dispersion equation spreadsheet-based model developed by the TtEMI and the Navy was used. Modeling was used to assess chemicals whose attenuated concentrations exceeded ambient water quality criteria. Model input included site-specific and chemical-specific factors. Model output included transport distances, maximum concentrations in groundwater after selected time periods, and transport times to the surface water interface.	Modeling will be completed for chemicals whose 95/UCL value exceeds ambient water quality criteria. The Navy is evaluating several models.
Water Quality Standards	Attenuated or modeled chemical concentrations were compared to federal AWQC as presented in EPA (1986) and RWQCB (1995).	95/UCL or modeled chemical concentration will be compared to federal AWQC as presented in EPA (1986) and RWQCB (1998).
TPH Screening Values	No TPH screening values were presented.	Navy currently working with senior technical advisors and interagency working group to derive screening values.
Reference Data Comparison	No comparison of chemical concentrations to reference data.	Any chemicals that exceed ambient water quality criteria will also be compared to reference data from the background data set. This will identify incremental risk.



TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N68711-00-D-0005

Document Control No. TC . A021 . 10075

TO: Mr. Ron Fuller, Code 02R1.RF
Contracting Officer
Naval Facilities Engineering Command
Southwest Division
1230 Columbia Street, Suite 1100
San Diego, CA 92101-8517

DATE: 04/03/03
DO: 021
LOCATION: Alameda Point, Alameda, California

FROM: [Signature]
Michael Wanta, Contract Manager

DOCUMENT TITLE AND DATE:

BRAC Cleanup Team After Action Reports from 1990 through 2000 and 2001 through 2002
April 2, 2003

TYPE: [] Contractual Deliverable [] Technical Deliverable (DS) [X] Other (TC)

VERSION: NA REVISION #: NA
(e.g., Draft, Draft Final, Final)

ADMIN RECORD: Yes [X] No [] CATEGORY: Confidential []

SCHEDULED DELIVERY DATE: NA ACTUAL DELIVERY DATE: 04/03/03

NUMBER OF COPIES SUBMITTED TO NAVY: O/3C/4E
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