

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Region 4

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Beach, CA 90802-4444M1
M60050.001029
MCAS EL TORO
SSIC # 5090.302/03/94
JZ
Version 1MCAS El Toro
RPM Meeting
February 8-10, 1994Potential Removals at RI/FS Sites1. **Agua Chinon Wash** (part of Site 25 - Major Drainages)

Rationale: Significant concentrations of TFH in subsurface soils, at depths ranging from 20 to 40 feet bgs. Of particular importance is the presence of TFH-gasoline and TFH-diesel at 18_ACAB223 at concentrations of 131,000 and 15,300 ppm, respectively.

TFH-gasoline has shown up in a off-Station well (18_BGMP09) in the vicinity of Agua Chinon Wash.

Requested for a removal action by regulatory agencies in a joint letter dated November 1, 1993.

2. **Site 3/4 (Original Landfill and Ferrocene Spill Area)**Stratum 2 (Drainage Ditch)

Rationale: Total carcinogenic risk estimated at approximately 8×10^{-6} ; majority of risk due to SVOCs and pesticides. Petroleum hydrocarbon contamination is also present. Phase I results indicate that the contamination is likely confined to the upper 2 feet of soil. Estimated risk is in the 10^{-6} range, however, the relatively small size of the stratum is amenable to a removal action.

3. **Site 7 (Drop Tank Drainage Area No. 2)**Stratum 1 (North Pavement Edge)

Rationale: Total carcinogenic risk estimated at 5×10^{-5} ; majority of risk due to SVOCs. Phase I results indicate localized surficial soil contamination possibly confined to the west end of the stratum. Size of stratum is relatively small.



Please note that TFH-diesel was detected in well 07_DBMW70 at a concentration of 2,660 ppb; the source of the hydrocarbons should be identified, e.g., by the soil gas survey.

4. **Site 11 (Transformer Storage Area)**

Stratum 2 (Drainage Ditch)

Rationale: Total carcinogenic risk estimated at 9×10^{-5} ; risk is due to PCBs. Size of stratum is relatively small.

5. **Site 14 (Battery Acid Disposal Area)**

Strata 1 and 2 (Edge of Pavement and Drainage Ditch, respectively)

Rationale: Total carcinogenic risk estimated at 1×10^{-4} and 1.9×10^{-5} for strata 1 and 2, respectively; cancer risk is due to SVOCs. The cumulative noncancer risk for Stratum 1 is 1.9 due to metals. Phase I results indicate that the soil contamination at both strata is possibly confined to the upper soil layers. The current size of these strata is relatively small, however, consider that the potential lateral extent of contamination has not been well defined for this site.

6. **Site 20 (Hobby Shop)**

Stratum 2 (South Drainage Ditch)

Rationale: Total carcinogenic risk estimated at 2×10^{-6} ; risk is due to SVOCs and pesticides. However, the risk estimate may not be truly representative. Apparently petroleum hydrocarbon interference elevated detection limits for PAHs up to 22,000 ppb. The size of the stratum is relatively small.

Stratum 3 (Stained Area)

Rationale: Total carcinogenic risk estimated at 2×10^{-5} ; risk is mainly due to benzo(a)pyrene. The cumulative noncancer risk is 6 due to lead. Petroleum hydrocarbon contamination present. The size of the stratum is relatively small.

**ENVIRONMENTAL POTENTIAL EARLY ACTIONS AT CAS EL TORO
IDENTIFIED AT 08 FEBRUARY 1994 MANAGERS MEETING**

SITE	REMOVALS	TOP PRIORITY	COMMENTS
IR-2 Magazine Road Landfill Str. 2			Field Screening Capping
Aqua Chinon (Fuel)	X	X	
IR-3/4 Original Landfill Str. 2	X		Drainage ditch - easy removal
SWMU/AOC 194			Field Screening
IR Site 14 Battery Acid Disposal Area Str. 1,2	X	X	Str. 1 & 2 = easy removal
IR Site 13 Oil Change Area Str. 1 & 2			Large - Field Screening
IR Site 8 DRMO Storage 1,2,4,5			Field Screening Str. 1 - recently paved
Tank 398	Free Product - X Vapor - X G/W - X	X	
IR Site 11 Transformer Storage Str. 1 & 2	X	X	Small and shallow Human health risk high (not under concrete pad) 1 - off the pad
IR Site 20 Hobby Shop Str. 2,3, 4	X		2 & 3 Removal (small areas) 4- Field Screening
IR Site 22 Tactical Air Fuel Dispensing Sys. Str. 1 & 2			Field Screening Str. 1 & 2
IR Site 7 Drop Tank Drainage Area Str. 1	X		
IR Site 3 Original Landfill	X		Potential Capping
IR Site 5 Perimeter Road Landfill	X		Potential Capping
IR Site 17 Communication Station Landfill	X		Potential Capping
IR Site 19 Acer Site Str. 2	X	X	Small area
Tank Farm 2 8 tanks - inactive	X	X	Pull 8 tanks

**ENVIRONMENTAL POTENTIAL EARLY ACTIONS AT CAS EL TORO
IDENTIFIED AT 08 FEBRUARY 1994 MANAGERS MEETING**

SITE	REMOVALS	TOP PRIORITY	COMMENTS
UST 240 A	X	X	Tank already pulled
Tank Farm 5/6 4 active & 4 inactive in 5 4 active in 6	X	X Due to Benzene Plumes	Pull 6 tanks
SWMU/AOC 145 (UST 529)	X	X	Inactive waste oil tank
SWMU/AOC 173 (OWS 671)	X	?	Soil venting treatment pilot project
SWMU/AOC 175 (OWS 672-A) (UST 672)	X	?	Soil venting treatment pilot project
SWMU/AOC 280 (UST 195) (Tank Farm 3)	X	X #3	#195 removed 3 unactive tanks at farm
Line Bee Canyon			Construction Project
Fence around Site 17	X	X	Refrigerator Problem (next to housing)
Alton Pkwy Extension			Address in CERFA

FAX MEMORANDUM (13 pages)

Department of the Navy
 Southwest Division
 Naval Facilities Engineering Command

01 FEB 94

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RE: MANAGERS MEETING for EL TORO: 8-10 FEB 94

1. First attachment - Agenda for our meeting next week. The meeting is three days and will be held at CH2M HILL's office on Red Hill Road (free coffee/tea and large table space). This agenda was developed during the SRAC Cleanup Team (John Hamil, Joe Zarnoch, and myself) last Friday in San Francisco.
2. Second attachment - Three page draft schedule of upcoming activities on El Toro currently on our plate. This list is rough and doesn't include projects like Tank 398, Agua Chionon Wash early action, or any Tank Farm 2 &/or 5 investigations. More detailed sub-schedules may be presented at the meeting. Overall we see that we as a project team have lots to focus on in 1994.
3. Third attachment - Technical memo discussing possible early actions for El Toro developed by Ginny Garelick (Cummings) of our technical branch. The memo is an excellent start to get us all thinking of accelerated cleanup and bias towards action instead of accelerated studies. You may use this memo in putting together your own top 10 list of early actions, removal sites, EE/CAs, or focused programs (See agenda - day 1).
4. Remember, we have our BCP workshop/meeting the following week (14-19 Feb). I am asking that it also be held at CH2M Hill's office on Red Hill for quiet, coffee, and no check-in requirements. An agenda will be discussed next week from our CH2M Hill BCP development group. We will try to mirror Tustin's red line review workshop as close as possible.
5. Chrisa has a different phone number: 714/726-3386.
 Direct any questions to me at the above phone/fax number.

**MANAGERS MEETING
MCAS EL TORO - BRAC ENVIRONMENTAL
PROGRESS & PLANNING ACTIVITIES**

**8 - 10 FEBRUARY 1994
10:00 A.M. - 3:30 P.M.
(3 days)**

Location:

**CH2M HILL
2510 Red Hill Ave., Suite A
Santa Ana CA 92705
714/250-0555 (John Dolegowski)**

Day 1 (8 Feb) 1st Half Potential Early Actions.

- action - Bring Top 10 list for discussion
may include removal sites, EE/CAs, focused projects & priorities**

Lunch.

Day 1 (8 Feb) 2nd Half Schedules for 1994.

- action - Soil Gas, BCP, EBS, CERFA, Phase 2 Work Plan, RAB, Removals, etc**

Day 2 (9 Feb) All Day OU-1

- info - Brief history of OU-1 approach and progress**
- action - Alternatives, Schedule, ARARs, ect.**

Day 3 (10 Feb) 1st Half Soil Gas Survey Work Plan.

- action - focused discussion of survey approach, team input**

Lunch.

Day 3 (10 Feb) 2nd Half Action Items & Status.

- action - Clean 1>2 transition, RFA, Field screen costs, past action items**

Meeting Assessment & Reality Check.

- Summarize key points & goals accomplished**
- Action Items (what, who, when)**
- Assessment**

fiscal Year: 1993/94

Installation: _____

SCHEDULE OF UPCOMING ACTIVITIES

DTSC Remedial Project Manager: _____

Telephone Number: _____

RWQCB Project Staff: _____

Telephone Number: _____

ALSTARS: DTSC Project Code: _____ RWQCB Project Code: _____

TASKS (AND SUBTASKS) TO BE PERFORMED	1993											
	July	August	September	October	November	December	January	February	March	April	May	June
Soil Gas Workplan (Sites 24 & 25)								Draft Submittal	Final	Procurement	Fieldwork	Fieldwork
BCP								Prep	Completed			
Groundwater Monitoring Plan										Draft	Agency Review	Agency Review
EBS												Draft Submittal
CERFA												Draft Submittal
RAB								Select Members	RAB Strategy			RAB
Clean II Procurement								Start				Completion
Phase II RI Workplan (Revised - sites 1-22 only)												Start Revision
Team Building										X		
Mtg to Discuss RI/FS Sites (1 wk)										?	?	
RI Report (OU-1)										Draft	Review	Attachment Revision
FS Report (OU-1)										Draft	Review	Attachment Revision

Fiscal Year: 1994/95

Installation: _____

SCHEDULE OF UPCOMING ACTIVITIES

DTSC Remedial Project Manager: _____

Telephone Number: _____

RWOCB Project Staff: _____

Telephone Number: _____

ALSTARS: DTSC Project Code: _____ RWOCB Project Code: _____

TASKS (AND SUBTASKS) TO BE PERFORMED	Month to be Completed												
	1	2	3	4	5	6	7	8	9	10	11	12	
Removals!													
BCP													
G.W. Monitoring Plan													
EBS													
CERCLA													
RAB													
Clean II Procurement													
Soil Gas Report			Draft Submit										
Phase II RI Workplan (Revised-sites 1-22 only)			Submit	Agency Review	Procurement	Procurement	Fieldwork	Fieldwork	Fieldwork				Draft Report
Phase II RI Workplan (Revised-sites 24-25)			Draft Revision	Agency Review									Draft Report
RI Report (00-1)			Final Submit	Revision									

