

TABLES

**Table 1. Design Capacity Calculations
Closure Plan
DRMO Hazardous Waste Container Storage Unit
Fort Ord, California**

Storage Bay Designation	Dimensions	Maximum Number of Pallets ¹	Number of 55-gallon drums ²	Maximum Capacity (gallons)
Combustibles	90 x 60	101	303	16,665
Flammables	90 x 47	79	237	13,035
Flammables and Combustibles	120 x 34	59	177	9,735
Caustics	130 x 34	17	51	2,805
Oxidizers	49 x 32 x 2/3	24	72	3,960
Acids	72 x 50	66	198	10,890
Toxics	90 x 50	82	246	13,530
Reactives	34 x 30	17	51	<u>2,805</u>
TOTAL				73,425

¹ Assumes 10-foot aisle space for movement of equipment.

² Assumes three 55-gallon drums per pallet.

**Table 2. Examples of Waste Types Stored
Closure Plan
DRMO Hazardous Waste Container Storage Unit
Fort Ord, California**

Storage Bay Designation	Types of Wastes Stored
Flammable Storage	Flammable and combustible liquid and solid wastes; antifreeze
Combustible Storage	Solid combustibles; contaminated soil; magnesium batteries
Reactive Storage	Lithium batteries
Caustic Storage	DS2 decontaminating agent; alkaline batteries; strippers; miscellaneous cleaning compounds
Toxic Storage	Asbestos; mercury; cyanide; arsenic; mercury batteries; empty containers; pesticides
Oxidizer Storage	Gas mask fillers containing chromium dust; nitric acid; Super Tropical Bleach (STB)*; calcium hypochlorite; and calcium hydroxide
Acid Storage	Lead acid batteries; sulfuric acid; hydrochloric acid; phosphoric acid

*STB was moved to the flammable storage area in later years as it does not contain > 39% available chlorine.

**Table 3. Types and Quantities of Hazardous Waste
 Summary of 1989 Hazardous Waste Report (Biennial Report)
 Closure Plan
 DRMO Hazardous Waste Container Storage Unit
 Fort Ord, California**

Waste Stream Description	Hazardous Waste Constituents or Indicator Parameter	EPA Test Method	Quantity Generated and Stored at the DRMO CSU (pounds)
Chromic acid solution	Total Chromium, pH	6010A/7471, 9045	42
Waste hydrochloric acid, corrosive material outdated material, arts & crafts, maintenance areas, corrosion	CCR Metals, pH	6010A/7471, 9045	52
Nitric acid (corrosive)	CCR Metals, pH	6010A/7471, 9045	165
Waste phosphoric acid, corrosive material, UN1805 from maintenance activities	CCR Metals, pH	6010A/7471, 9045	220
Sulfuric acid, waste electrolyte from vehicle maintenance corrosive materials UN1830	CCR Metals, pH	6010A/7471, 9045	2,227
Waste acid mixture, hydrofluoric, phosphoric, from helicopter maintenance/cleaning	CCR Metals, pH	6010A/7471, 9045	576
Adhesives, sealing compounds, outdated from storage, maintenance areas, flammable	Volatile Aromatic Hydrocarbons	8260A	3,776
Waste aerosol paint, adhesive products, overage, from supply storage, flammable, toxic	CCR Metals	6010A/7471	300
RQ, waste alcohol, NOS, flammable liquid, UN1988, alcohol, denatured, from maintenance activity	Volatile Hydrocarbons and Solvents	8260A	138
Waste alkaline liquid, potassium hydroxide, from battery maintenance, equipment maintenance corrosive	CCR Metals, pH	6010A/7471, 9045	303
Waste ammonium hydroxide, liquid, outdated hospital pharmaceuticals, corrosive	pH	9045	1
Waste antifreeze, water mix from radiator maintenance on vehicles, toxic	CCR Metals	6010A/7471	37,190
Waste aqua ammonia from printing shops, corrosive	CCR Metals, pH	6010A/7471, 9045	284

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Waste Stream Description	Hazardous Waste Constituents or Indicator Parameter	EPA Test Method	Quantity Generated and Stored at the DRMO CSU (pounds)
Waste arsenite solution, arts and crafts shop outdated chemicals, poison Waste asbestos from site remediation, repair, toxic, respiratory hazard	CCR Metals, pH Asbestos	6010A/7471, 9045 PLM	66 168,060
Aviation fuel of JP4, liquid flammable	Jet Fuel	8015M	7,188
Waste batteries, mercury compound, dry, from replacement in equipment, toxic, corrosive	Lead, Mercury	6010A/7471	3,169
Waste lithium sulfur dioxide battery, dry, non-rechargeable from replacing batteries in equipment reactive (EPA) state regulated	CCR Metals, pH	6010A/7471, 9045	29,247
Hazardous waste solid, NOS NA9189, waste battery dry, magnesium oxide from maintenance of equipment, toxic	Magnesium	6010A/7471	20,734
Waste batteries, nickel cadmium, broken, drained and undrained, from equipment maintenance, corrosive	Nickel, Cadmium, pH	6010A/7471, 9045	4,069
Waste battery, lead-acid, drained and undrained, from vehicle maintenance sent for lead recovery	Lead, pH	6010A/7471, 9045	65,334
Waste bleaching powder, STB, less than 39% chlorine, from stocks of Army supplies, toxic	pH	9045	0
Waste, calcium hypochlorite, oxidizer, with hydrogen peroxide	pH	9045	211
Waste carbon removing compound, monoethanolamine, alkaline liquid, corrosive, from maintenance activity, outdated	pH	9045	0
Waste chlordane, solid and liquid, poison, from pest, vegetation control activity, toxic	Chlorodane	8081	0
Waste solvent, chlorinated, 1,1,1-trichloroethane, trichloroethylene, xylene, toluene, methylene chloride, freon, flammable, toxic, from maintenance, degreasing in motor pool	Chlorinated Solvents	8280A	7,231

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Waste Stream Description	Hazardous Waste Constituents or Indicator Parameter	EPA Test Method	Quantity Generated and Stored at the DRMO CSU (pounds)
Waste gas mask filters chromium (solid) (New Waste Stream)	Chromium	6010A/7471	578
Waste cleaning compound from vehicle maintenance, liquid, corrosive, soaps, detergents	pH	9045	2,889
Waste corrosive solid, alodine rags, hydrofluoric phosphoric acids, corrosive, from aircraft maintenance	pH	9045	0
Waste cyanide salts solution, outdated pharmaceuticals, hospital supply, poison	Cyanide	9010	0
Corrosive liquid NOS corrosive material, UN1760 Waste Decontaminating Agent, DS2, 78% diethylene triamine, 20% methyl cellosolve, 2% sodium hydroxide from storage of military items	pH	9045	132
Waste detergent solids, cleaning compounds from equipment maintenance, corrosive, toxic	pH	9045	101
Waste diazinon, poison, from pesticide/vegetation control activity, outdated, toxic	Diazinon	8140	30
Hazardous waste liquid NOS NA9189 waste disinfectant, glutaraldehyde, "CiDEX" hospital maintenance/supply activity, toxic	Unknown	8260A, 8270	1,586
Waste empty crushed containers, previous contents oil, fuels, non-halogenated solvent, antifreeze, grease, oily solids, asbestos, from storage of hazardous materials, waste, toxic	Hydrocarbons, Solvents, Asbestos	8015M, 8260A, PLM	33,584
Waste empty crushed containers, previous contents corrosive, from storage of hazardous material/waste, toxic, corrosive	pH	9045	0
Ferric chloride solution	Iron	6010A/7471	1,936
Formaldehyde solution	pH	9045	320
Waste gasoline (mogas) UN1203 flammable liquid, unleaded	Gasoline	8015M	10,507

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Waste Stream Description	Hazardous Waste Constituents or Indicator Parameter	EPA Test Method	Quantity Generated and Stored at the DRMO CSU (pounds)
Waste insecticide (lindane)	Lindane	8081	88
Waste flammable liquids vehicle maintenance, non-halogenated (e.g., kerosene)	Hydrocarbons	8015M	1,171
Waste, mercury, liquid, outdated medical equipment, pharmaceutical, toxic	Mercury	6010A/7471	61
Waste scrap metal from AST removals, previous contained POL product (New Waste Stream)	Hydrocarbons	8015M	5,000
Waste oil; various weights NA1270, toxic	Oil	8015M	94,491
Waste paint, non-halogenated, liquid from painting activities, maintenance & housing upkeep, flammable	Semivolatile Organics, CCR Metals	8270B, 6010A/7471	4,527
Waste paints, lead, flammable liquid, lacquer/enamel UN1263	Semivolatile Organics, Lead	8270B, 6010A/7471	4,368
Waste paint residue from spray booth operations, flammable liquids (New Waste Stream)	Semivolatile Organics, CCR Metals	8270B, 6010A/7471	5,600
Solidified paint waste, dried, absorbent, debris, toxic from maintenance of building, vehicles	Semivolatile Organics, CCR Metals	8270B, 6010A/7471	219
Waste paint thinner with halogenated solvents from maintenance, motor pool painting, flammable, toxic liquid	Halogenated Solvents	8260A	17,796
PCB contaminated electrical components/byproducts from maintenance (e.g., ballasts, absorbent, soil)	PCBs	8080	4,218

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Waste Stream Description	Hazardous Waste Constituents or Indicator Parameter	EPA Test Method	Quantity Generated and Stored at the DRMO CSU (pounds)
PCB contaminated sealed items (e.g., capacitors from electrical equipment)	PCBs	8080	0
Waste, pest, control materials, roach spray, bezol, toxic	Pesticides	8081, 8140	420
Waste, pesticides (warfarin)	Pesticides	8081, 8140	93
Waste, petroleum naphtha mixture from dry cleaning operation, combustible liquid	Volatile and Semivolatile Petroleum Hydrocarbons	8015M	67
Waste photographic solution from photographic shop, alkaline, corrosive	CCR Metals, pH	6010A/7471, 9045	2,058
Photochemical wastes (toners), flammable liquids	Volatile and Semivolatile Organics	8260A, 8270B	88
Waste POL products from vehicle maintenance varied (e.g., fluids, oils, lubricants, fuels, water)	Hydrocarbons	8015M	54,811
Waste potassium dichromate outdated product, toxic	Total Chromium	6010A/7471	50
Waste oil solids from vehicle maintenance, cleanup in motor pools (filters, soil, drysweep, absorbent, grease, rags, clothing)	Oil	8015M	130,710
Solvents from dry cleaning processes (e.g., PD 680, combustible liquid)	Solvents	8260A	17,115
Rust inhibitor (corrosion preventive compound) NA1760 corrosive	pH	9045	223
Sodium dichromate outdated product, toxic	Chromium	6010A/7471	56

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Waste Stream Description	Hazardous Waste Constituents or Indicator Parameter	EPA Test Method	Quantity Generated and Stored at the DRMO CSU (pounds)
Sodium hyposulfite/sodium hydrosulfite outdated laundry processing materials, sodium persulfate	pH	9045	0
Sodium nitrate (UN1498) oxidizer	pH	9045	4,720
Soil contaminated with DDT insecticide solid powder poison	DDT	8081	2,382
Waste transformer oil (dielectric fluid) liquids with > 50 ppm	Oil, PCB	8015M, 8081	0
Waste transformer oil (dielectric fluid) liquids with < 50 ppm	Oil, PCB	8015M, 8081	0

**Table 4. Closure Plan
DRMO Hazardous Waste Container Storage Unit
Fort Ord, California**

Waste Type	Approximate Quantity
Containerized inventory	None, all inventory previously removed.
Contaminated asphalt	Quantity included with "Contaminated Soil."
Sediment from the storm drain system	2 cubic yards.
Decontamination rinse water	700 gallons.
Miscellaneous disposal rags, equipment	2 cubic yards.
Contaminated soil	2 cubic yards*.

* This estimate is for the soil collected during borings; although there is no evidence indicating this soil is contaminated, it has been included on this table for informational purposes. If any hazardous soil is found that must be excavated from this unit during closure, DTSC will be notified and this closure plan will be modified to include the amount of soil that will be excavated.

**Table 5. Proposed Analytical Parameters and Test Methods
Closure Plan
DRMO Hazardous Waste Container Storage Unit
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Type of Sample	Number of Samples	Analytical Parameters	EPA Test Methods
Initial rinsate from steam cleaning asphalt, berms, storm drain system, and sampling equipment	One per each tank (approximately 350 gallons)	POTW disposal parameters: Volatile Organics, Semi-Volatile Organics, Priority Pollutant Metals, Total Phenols, Cyanide, Pesticides & PCBs, Oil & Grease (Polar & Non-polar fractions), pH, TPHg with BTEX, TPHd.	8260A, 8270B, 6010A/7471A and (7470A mercury), 420.1, 9010, 8081, 413.1 418.1, 9040, 8015M, 8020, 8015M
Final rinsate from steam cleaning asphalt, berms, storm drain system, and sampling equipment	One per each tank (approximately 350 gallons)	POTW disposal parameters as listed above. (These parameters include all of the parameters for verification testing.)	Same list as above
Soil Samples	One sample at the one foot and five foot depth interval from each soil boring	CCR Metals, pH, Hydrocarbons including gasoline, diesel, motor oil, and jet fuel, Organochlorine Pesticides, Organophosphorous Pesticides, Cyanide, Semivolatile Organic Compounds, Asbestos, PCBs	6010A/7471A and 7470A (mercury), 9045, 8260A, 8015M, 8081, 8140, 9010, 8270B, PLM, HPLC/NIOSH Mod., 8080
	Samples at five foot and ten foot depths from each soil boring	Volatile organic compounds	8260A
Sediment from storm drain system	One	Same as those listed above for soil samples	Same as those listed above for soil samples
Miscellaneous disposal rags, equipment to be disposed	None-Dispose offsite as Hazardous	None-Dispose offsite as Hazardous	None-Dispose offsite as Hazardous
Drummed drill cuttings	None, Use data from soil samples listed above.	Same as those listed above for soil samples	Same as those listed above for soil samples

**Table 6. EPA Test Method, Chemical Constituents Detected,
Prepared Method, and Detection Limit
Closure Plan
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Analysis and EPA Test Method	Chemical Constituents Detected	Preparation Method	Target Detection Limit (ug/kg)	Sample Container Type, Size and Preservation Method
CCR Metals 6010A/7471A	Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Mercury Molybdenum Nickel Selenium Silver Thallium Vanadium Zinc, plus Magnesium Iron	3010A, 3050A	500 500 2000 300 250 500 7000 6000 500 100 8000 15000 500 7000 1000 400 5000 50000 7000	Acid-washed mason jar or air-tight completely full brass tube, Cool to 4°C (ice in cooler)
pH 9045A	pH	NA	NA	Air-tight completely full brass or stainless steel tube or acid-washed mason jar, Cool to 4°C (ice in cooler)
Volatile Organic Compounds 8260A	Chloromethane Bromomethane Vinyl chloride Chloroethane Methylene chloride Acetone Carbon disulfide 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone (MEK) 1,1,1-Trichloroethane Carbon tetrachloride Vinyl acetate	5030A	10 10 10 10 5 20 5 5 5 5 5 5 20 5 5 10	Air-tight completely full brass or stainless steel tube or acid-washed mason jar, Cool to 4°C (ice in cooler)

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	Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-methyl-2-pentanone (MIBK) 2-Hexanone 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene Chlorobenzene Ethylbenzene Styrene Xylenes (total)		5 5 5 5 5 5 5 5 5 20 20 5 5 5 5 5 5	
Petroleum Hydrocarbons 8015M	Gasoline Diesel Motor Oil Jet Fuel	5030, 3510A, 3550A	1000 1000 1000 1000	Air-tight completely full brass or stainless steel tube or acid-washed mason jar, Cool to 4°C (ice in cooler)
Organochlorine Pesticides 8081	alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDT Endrin aldehyde Methoxychlor Chlordane Toxaphene	3510B 3520, 3550A	50 50 50 50 50 50 50 50 50 50 50 50 50 50 1000	Air-tight completely full brass or stainless steel tube or acid-washed mason jar, Cool to 4°C (ice in cooler)

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Analysis and EPA Test Method	Chemical Constituents Detected	Preparation Method	Target Detection Limit (ug/kg)	Sample Container Type, Size and Preservation Method
Organophosphorous Pesticides 8140A	Phosdrin (Mevinphos)	3510B,	10	Air-tight completely full brass or stainless steel tube or acid-washed mason jar, Cool to 4°C (ice in cooler)
	Phorate (Thimet)	3520,	10	
	Diazinon	3550A	10	
	Disyston (Disulfoton)		10	
	Dimethoate		10	
	Baytex (Fenthion)		10	
	Dursban (Chlorphyrifos)		10	
	Methyl parathion		10	
	Malathion		10	
	Ethyl parathion		10	
	DEF		100	
	Ethion		100	
	Carbophenothion (Trithion)		100	
Azinphos-methyl (Guthion)		15		
Cyanide 9010	Cyanide	9013	5000	Air-tight completely full brass or stainless steel tube or acid-washed mason jar, Cool to 4°C (ice in cooler)
Semivolatile Organic Compounds 8270B	Phenol	3510, 3520, 3550	330	Air-tight completely full brass or stainless steel tube or acid-washed mason jar, Cool to 4°C (ice in cooler)
	bis(2-Chloroethyl) ether		330	
	2-Chlorophenol		330	
	1,3-Dichlorob3enze		330	
	1,4-Dichlorobenze		330	
	Benzyl alcohol		330	
	1,2-Dichlorobenze		330	
	2-Methylphenol		330	
	2,2'-Oxybis(1-cholropropane)		330	
	4-Methylphenol		330	
	N-Nitroso-di-n-propylamine		330	
	Hexachloroethane		330	
	Nitrobenzene		330	
	Isophorone		330	
	2-Nitrophenol		330	
	2,4-Dimethylphenol		330	
	bis(2-Chloroethoxy)-methane		1600	
	2,4-Dichlorophenol		330	
	Benzoic acid		330	
1,2,4-Trichlorobenzene	330			
Naphthalene	330			
4-Chloroaniline	330			
Hexachlorobutadiene	330			

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Analysis and EPA Test Method	Chemical Constituents Detected	Preparation Method	Target Detection Limit (ug/kg)	Sample Container Type, Size and Preservation Method
	4-Chloro-3-methylphenol		330	
	2-Methylnaphthalene		330	
	Hexachlorocyclopentadiene		330	
	2,4,6-Trichlorophenol		330	
	2,4,5-Trichlorophenol		1600	
	2-Chloronaphthalene		330	
	2-Nitroaniline		1600	
	Dimethyl phthalate		330	
	Acenaphthylene		330	
	2,6-Dinitrotoluene		1600	
	3-Nitroaniline		330	
	Acenaphthene		1600	
	2,4-Dinitrophenol		1600	
	Dibenzofuran		330	
	4-Nitrophenol		330	
	2,4-Dinitrotoluene		330	
	Diethyl phthalate		330	
	Fluorene		330	
	4-Chlorophenyl phenyl ether		330	
	4-Nitroaniline		1600	
	4,6-Dinitro-2-methylphenol		1600	
	N-Nitrosodiphenylamine		330	
	4-Bromophenylphenyl ether		330	
	Hexachlorobenzene		330	
	Pentachlorophenol		1600	
	Phenanthrene		330	
	Anthracene		330	
	Di-n-butyl phthalate		330	
	Fluoranthene		330	
	Pyrene		330	
	Butyl benzyl phthalate		330	
	Benzo(a)anthracene		660	
	3,3'-Dichlorobenzidine		330	
	Chrysene		330	
	bis(2-Ethylhexyl)phthalate		330	
	Di-n-octyl phthalate		330	
	Benzo(b)fluoranthene		330	
	Benzo(k)fluoranthene		330	
	Benzo(a)pyrene		330	
	Indeno(1,2,3-cd)pyrene		330	
	Dibenz(a,h)anthracene		330	
	Benzo(g,h,i)perylene		330	

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Analysis and EPA Test Method	Chemical Constituents Detected	Preparation Method	Target Detection Limit (ug/kg)	Sample Container Type, Size and Preservation Method
Asbestos Bulk Sample PLM	Asbestos	None	.1 fibers per cc	Air-tight completely full brass or stainless steel tube or acid-washed mason jar, None
PCBs 8081	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	3510B, 3520, 3550A	500 500 500 500 500 500	Air-tight completely full brass or stainless steel tube or acid-washed mason jar, Cool to 4°C (ice in cooler)

Table 7. Analytical Results for Organic Compounds Detected in Sediment Samples
 Draft Closure Plan
 DRMO Hazardous Waste Container Storage Unit
 Fort Ord, California
 Date Range: 04/17/95 - 04/17/95

Station Number:	SS-DRMO-01	SS-DRMO-02	SS-DRMO-03	SS-DRMO-04
Sample Depth(feet):	0.00	0.00	0.00	0.00
Sample Number:	9516Y029007F	9516Y029008F	9516Y029009F	9516Y029010F
Matrix:	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample Date:	04/17/95	04/17/95	04/17/95	04/17/95
Lab Sample Number:	08146600018A	08146600028A	08146600038A	08146600048A

Test Method/Analyte Name	Units	value qual	value qual	value qual	value qual
EPA-8270					
Benzyl alcohol	ug/kg	3300 A	39000 A	6500 A/DR	ND(360) A
Di-n-butylphthalate	ug/kg	ND(2200) A	4500 A/b	1100 A	ND(360) A
Butylbenzylphthalate	ug/kg	ND(2200) A	36000 A/b	960 A	ND(360) A
Bis(2-ethylhexyl)phthalate	ug/kg	6400 A	57000 A/bD	17000 A/DR	ND(360) A
EPA-8080					
4,4'-DDE	ug/kg	22 AJ-	ND(26) AJ-	23 AJ-	ND(17) AJ-
4,4'-DDT	ug/kg	44 AJ-	ND(27) AJ-/G	ND(23) AJ-	40 AJ-
Aroclor-1254	ug/kg	ND(210) AJ-	ND(270) AJ-/G	620 AJ-/G	ND(170) AJ-
TPH DIESEL					
TPH-Extractable Unknown Hydrocarbon	mg/kg	ND(450) A	1100 A/d	410 A/dJ	ND(11) A
EPA-8260					
Xylenes	ug/kg	ND(6.7) A	ND(8.1) A	11 A	ND(5.4) A

Notes:

Units expressed as micrograms (ug), milligrams (mg) or picograms (pg) of chemical per kilogram (kg) or gram (g) of soil.

Fecal coliform results reported as Most Probable Number (MPN) per 10 grams for soil samples and MPN per 100 milliliters for water samples.

NA: Not Analyzed.

ND(): Not Detected at a specific reporting limit. Reporting limit is included in parentheses.

Table 8. Analytical Results for Inorganic Compounds Detected in Sediment Samples
 Draft Closure Plan
 DRMO Hazardous Waste Container Storage Unit
 Fort Ord, California
 Date Range: 04/17/95 - 04/17/95

Station Number:	SS-DRMO-01	SS-DRMO-02	SS-DRMO-03	SS-DRMO-04
Sample Depth(feet):	0.00	0.00	0.00	0.00
Sample Number:	9516Y029007F	9516Y029008F	9516Y029009F	9516Y029010F
Matrix:	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample Date:	04/17/95	04/17/95	04/17/95	04/17/95
Lab Sample Number:	0814660001SA	0814660002SA	0814660003SA	0814660004SA

Test Method/Analyte Name	Units	value qual	value qual	value qual	value qual
COLD VAPOR AA					
Mercury	mg/kg	NA	0.26 A	0.36 A	ND(0.05) A/U
FUAA-EPA7060					
Arsenic	mg/kg	ND(0.64) A/SU	0.6 A/WB	3 A	0.61 A/B
FUAA-EPA7421					
Lead	mg/kg	202 A/*	194 A/*	533 A/*	55.2 A/*
FUAA-EPA7841					
Thallium	mg/kg	0.43 A/B	ND(0.31) A/WU	ND(0.44) A/WU	ND(0.35) A/WU
METALS BY ICP					
Barium	mg/kg	56.4 A	94.8 A	195 A	28.8 A/B
Beryllium	mg/kg	0.13 A/B	0.12 A/B	0.27 A/B	0.15 A/B
Cadmium	mg/kg	9.7 A	8.5 A	18 A	ND(0.67) A/U
Chromium	mg/kg	29.2 A	103 A	184 A	16.8 A
Cobalt	mg/kg	6.2 A/B	5.7 A/B	14.2 A	2.2 A/B
Copper	mg/kg	45 AJ+/N	60.1 AJ+/N	139 AJ+/N	6.6 AJ+/N
Nickel	mg/kg	15.8 A	18.3 A	40.4 A	ND(4.3) A/U
Silver	mg/kg	2.2 A/B	0.71 A/B	3.6 A	ND(0.35) A/U
Vanadium	mg/kg	38.8 A	18.4 A	56 A	9.5 A/B
Zinc	mg/kg	205 A	517 A	774 A	18.2 A
Molybdenum	mg/kg	ND(1.4) A/U	2.2 A/B	6.5 A	ND(1.2) A/U
EPA-9045					
pH	pH	6.7 AH	6.8 AH	6.4 AH	4.7 AH
EPA-7041					
Antimony	mg/kg	2 A/S	3.7 A/S	3.5 A/S	ND(0.39) A/WU

Notes: Units expressed as milligrams (mg) of chemical per kilogram (kg) of soil.

NA: Not Analyzed.

ND(): Not Detected at a specific detection limit. Limit of detection is included in parentheses.

**Table 9. Preliminary Remediation Goals
Fort Ord, California**

Chemical	Lowest PRG*	Based on Noncancer Health Effects			Based on Carcinogenesis	
		Child Resident	Adult Resident	Construction Worker	Adult Resident	Construction Worker
Acenaphthene	960	960	4,600	31,000	NA	NA
Acetone	220	220	900	8,200	NA	NA
Aldrin	0.011	0.48	2.3	1.6	0.011	2.6
Anthracene	3300	3300	15000	110000	NA	NA
Antimony	27	27	290	57	NA	NA
Arsenic	0.87	20	220	44	0.87	60
Barium	1000	1,000	4,700	4,100	NA	NA
Benzo(a)anthracene	0.15	NA	NA	NA	0.15	37
Benzo(a)pyrene	0.015	NA	NA	NA	0.015	3.7
Benzo(b)fluoranthene	0.15	NA	NA	NA	0.15	37
Benzo(k)fluoranthene	1.5	NA	NA	NA	1.5	370
Benzo(ghi)perylene	640	640	3100	2100	NA	NA
Beryllium	0.39	340	3,700	730	0.39	28
Bis(2-ethylhexyl)phthalate	13	320	1,500	1,000	13	3,200
Bromoform	7.6	63	260	2400	7.6	2,300
Butylbenzylphthalate	3200	3200	15000	100000	NA	NA
Cadmium	8.1	34	370	73	8.1	380
Carbon disulfide	0.96	0.96	3.9	3.7	NA	NA
Carbon tetrachloride	0.025	29	190	750	0.025	8.6
Chlordane	0.14	0.97	4.6	3.2	0.14	34
Chlorobenzene	12	12	50	470	NA	NA
Chloromethane	0.12	NA	NA	NA	0.12	40
Chromium III	67000	67000	720000	/a/	NA	NA
Chromium VI	0.23	7.2	30	38	0.23	11
Chrysene	15	NA	NA	NA	15	3700
Cobalt	2000	3700	20000	2000	NA	NA
Copper	2,500	2,500	27,000	5,300	NA	NA
4,4c-DDD	0.74	NA	NA	NA	0.74	190
4,4c-DDE	0.53	NA	NA	NA	0.53	130
4,4'-DDT	0.53	8.0	38	26	0.53	130
Dibromochloromethane	0.13	22	90	840	0.13	43
Di-n-butylphthalate	1600	1600	7700	52000	NA	NA
1,3-Dichlorobenzene	330	330	1800	1200	NA	NA
1,2-Dichloroethane	0.074	NA	NA	NA	0.074	26
Dieldrin	0.011	0.80	3.8	2.6	0.011	2.8
Diethylphthalate	13000	13000	61000	420000	NA	NA
Endosulfan II (beta)	96	96	460	310	NA	NA
Endosulfan sulfate	96	96	460	310	NA	NA
Ethylbenzene	830	830	3,700	3,900	NA	NA
Fluoranthene	640	640	3100	21000	NA	NA
Fluorene	640	640	3,100	21,000	NA	NA
gamma-BHC (Lindane)	0.14	4.8	23	160	0.14	34
Heptachlor	0.031	8.0	38	26	0.031	7.8
Heptachlor epoxide	0.014	0.21	1.0	0.68	0.014	3.4
Indeno(1,2,3-cd)pyrene	0.15	NA	NA	NA	0.15	37
Lead (a)	240	240	3,900	460	NA	NA
Mercury	20	20	210	41	NA	NA
Methylene chloride	0.90	260	1100	950	0.90	310
Methyl ethyl ketone	620	620	2,900	3,300	NA	NA
2-Methylnaphthalene	640	640	3,100	2,100	NA	NA

**Table 9. Preliminary Remediation Goals
Fort Ord, California**

Chemical	Lowest PRG*	Based on Noncancer Health Effects			Based on Carcinogenesis	
		Child Resident	Adult Resident	Construction Worker	Adult Resident	Construction Worker
4-Methyl-2-pentanone (MIBK)	74	74	400	2800	NA	NA
Naphthalene	640	640	3,100	2,100	NA	NA
Nickel	130	1,400	15,000	2,900	130	6,300
PCBs	0.02	NA	NA	NA	0.02	5.8
Pentachlorophenol	1.5	480	2300	1600	1.5	370
Petroleum Hydrocarbons (b)	500	(c)	(c)	(c)	500	120,000
Phenanthrene	640	640	3,100	2,100	NA	NA
Pyrene	480	480	2,300	16,000	NA	NA
Selenium	340	340	3,600	710	NA	NA
Silver	340	340	3,600	710	NA	NA
2,3,7,8-TCDD	1.20E-06	NA	NA	NA	1.20E-06	3.00E-04
1,1,2,2-Tetrachloroethane	0.28	NA	NA	NA	0.28	68
Tetrachloroethylene	0.16	410	2,700	11,000	0.16	54
Thallium (as Thallic oxide)	4.7	4.7	50	100	NA	NA
Toluene	190	190	770	3,700	NA	NA
1,2,4-Trichlorobenzene	49	49	210	710	NA	NA
1,1,1-Trichloroethane	200	200	1100	7600	NA	NA
Trichloroethene	1.1	NA	NA	NA	1.1	270
Vanadium	470	470	5,000	1,000	NA	NA
Xylenes	130	130	520	500	NA	NA
Zinc	20,000	20,000	210,000	42,000	NA	NA

* All PRGs are in milligrams per kilogram, and are taken from the: *Draft Final Technical Memorandum, Preliminary Remediation Goals, Fort Ord, California*. Dated June 24, 1994. Prepared by HLA for the Sacramento COE. These PRGs were developed according to procedures described in: *Risk Assessment Guidelines for Superfund, Volumes 1 and 2*. Prepared by the Office of Emergency and Remedial Response, EPA documents EPA/540/1-89/006 and EPA/540/1-89/001

- (a) *Draft Final Basewide Background Soils Investigation*. Dated March 15, 1993
Prepared by HLA for the Sacramento COE.
- (b) This PRG is based on maximum concentrations of individual carcinogenic and non-carcinogenic constituents in used motor oil and was developed for use at petroleum hydrocarbon sites where SOC analyses were not available.
- (c) Calculated value exceeds 100 percent of soil, indicating noncancer health effects would not be expected at any soil concentration.

PRG = Preliminary Remediation Goal.
mg/kg = Milligrams per kilogram
NA = Not available.

**Table 10. POTW Acceptance Criteria
Closure Plan
DRMO Hazardous Waste Container Storage Unit
Fort Ord, California**

Chemical	Acceptance Criteria (mg/L)
Total Toxic Organics	1.0
Oil/Grease Polar	300
Oil/Grease Non-polar	100
Toxic Inorganics, Ammonia, BOD, TSS	No Numeric Limit