TABLES

TABLE 1

TYPICAL WASTE QUANTITIES GENERATED DURING SOIL INVESTIGATION ACTIVITIES

INVESTIGATIVE TECHNIQUE	BORING DIAMETER (ft)	BORING DEPTH (ft bgs)	APPROXIMATE QUANTITY	
			$ft^{3(1)}$	$lb^{(2)}$
Direct push	1.5	12	<0.25	<30
	1.5	25	<0.25	<30
	1.5	35	<0.25	<30
Augered borings	8	12	4.2	504
	8	25	8.7	1,044
	8	35	12.2	1,464

NOTES: (1) Does not include any allowance for bulking. Typical bulking factor is 1.5.
(2) Based on bulk density of 120 lb/ft^3.

ft = feet
ft^3 = cubic feet
lb = pound
bgs = below ground surface

TABLE 2

WASTE DISPOSAL/TREATMENT MATRIX

Boeing Realty Corporation, Former C-6 Facility, Torrance, California

WASTE DESCRIPTION	CONTAINER TYPE	ONSITE TREATMENT PROCESS	TRANSPORTATION COST	DISPOSAL COST	TREATMENT COST ($/CY)	OVERALL COST ($/CY)	DISPOSAL/RECYCLE FACILITY
Construction Debris (nonhazardous)	8 CY low-sided roll-off bin	NF	$250 round trip (2 bins)	$25 per bin	N/A	$17	Any local facility
	Bulk (end-dump truck)	NF	$250 round trip	$50 per truck	N/A	$17	Any local facility
TPH-containing soil	55-gallon drum	NF	$450 round trip (for 60 drums)	$75 per drum	N/A	$404	TPS Technologies, Adelanto, CA
	8 CY roll-off bin	NF	$450 round trip (2 bins)	$25 per ton	N/A	$80	TPS Technologies, Adelanto, CA
	20 CY roll-off bin	NF	$450 round trip (1 bin)	$25 per ton	N/A	$80	TPS Technologies, Adelanto, CA
	Bulk (end-dump truck)	NF	$450 round trip	$25 per ton	N/A	$77	TPS Technologies, Adelanto, CA
	Stockpile	Low-temperature thermal desorption	N/A	N/A	$40-$70	$40-$70	
	Stockpile	*Ex situ* vapor extraction	N/A	N/A	$20-$50	$20-$50	
	Stockpile	*Ex situ* bioremediation	N/A	N/A	$30-$80	$30-$80	
Non-RCRA, VOC-containing soil	55-gallon drum	NF	$780 round trip (for 60 drums)	$48 per drum	N/A	$299	Waste Management, Kettleman Hills, CA
	8 CY roll-off bin	NF	$780 round trip (2 bins)	$40 per ton	N/A	$133	Waste Management, Kettleman Hills, CA
	20 CY roll-off bin	NF	$780 round trip (1 bin)	$40 per ton	N/A	$133	Waste Management, Kettleman Hills, CA
	Bulk (end-dump truck)	NF	$780 round trip	$40 per ton	N/A	$127	Waste Management, Kettleman Hills, CA
	Stockpile	Low-temperature thermal desorption	N/A	N/A	$50-$80	$50-$80	
	Stockpile	*Ex situ* vapor extraction	N/A	N/A	$20-$50	$20-$50	
RCRA soil with VOCs (within treatment standard)	55-gallon drum	NF	$780 round trip (for 60 drums)	$60 per drum	N/A	$358	Waste Management, Kettleman Hills, CA
	8 CY roll-off bin	NF	$780 round trip (2 bins)	$60 per ton	N/A	$163	Waste Management, Kettleman Hills, CA
	20 CY roll-off bin	NF	$780 round trip (1 bin)	$60 per ton	N/A	$163	Waste Management, Kettleman Hills, CA
	Bulk (end-dump truck)	NF	$780 round trip	$60 per ton	N/A	$157	Waste Management, Kettleman Hills, CA
	Stockpile	*Ex situ* vapor extraction	N/A	N/A	$20-$50	$20-$50	
Non-RCRA, metal-containing soil	55-gallon drum	NF	$780 round trip (for 60 drums)	$48 per drum	N/A	$299	Waste Management, Kettleman Hills, CA
	8 CY roll-off bin	NF	$780 round trip (2 bins)	$40 per ton	N/A	$133	Waste Management, Kettleman Hills, CA
	20 CY roll-off bin	NF	$780 round trip (1 bin)	$40 per ton	N/A	$133	Waste Management, Kettleman Hills, CA
	Bulk (end-dump truck)	NF	$780 round trip	$40 per ton	N/A	$127	Waste Management, Kettleman Hills, CA
RCRA soil with metals (above treatment standard)	55-gallon drum	NF	$780 round trip (for 60 drums)	$108 per drum	N/A	$593	Waste Management, Kettleman Hills, CA
	8 CY roll-off bin	NF	$780 round trip (2 bins)	$160 per ton	N/A	$313	Waste Management, Kettleman Hills, CA
	20 CY roll-off bin	NF	$780 round trip (1 bin)	$160 per ton	N/A	$313	Waste Management, Kettleman Hills, CA
	Bulk (end-dump truck)	NF	$780 round trip	$160 per ton	N/A	$307	Waste Management, Kettleman Hills, CA
PCB-containing soil	55-gallon drum	NF	$780 round trip (for 60 drums)	$60 per drum	N/A	$358	Waste Management, Kettleman Hills, CA
	8 CY roll-off bin	NF	$780 round trip (2 bins)	$60 per ton	N/A	$163	Waste Management, Kettleman Hills, CA
	20 CY roll-off bin	NF	$780 round trip (1 bin)	$60 per ton	N/A	$163	Waste Management, Kettleman Hills, CA

Note: Disposal and transportation costs based on average commercial rates available for August 2000.
CY = cubic yard
N/A = not applicable
NF = not feasible
PCB = polychlorinated biphenyl
RCRA = Resource Conservation and Recovery Act
TPH = total petroleum hydrocarbons
VOC = volatile organic compound

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TABLE 3

BRC-APPROVED DISPOSAL/RECYCLING FACILITIES

TYPE OF WASTE	APPROVED FACILITY
Construction debris	N/A
Nonhazardous soil	TPS, Adelanto, CA
Hazardous soil	Waste Management, Kettleman Hills, CA Safety Kleen, Westmorland, CA
Equipment decontamination water	DK Environmental, Torrance, CA
Used PPE	N/A

N/A = Not Applicable
PPE = personal protective equipment

TABLE 4

ANALYTICAL METHODS FOR WASTE CHARACTERIZATION

PARAMETER/TARGET COMPOUND(S)	ANALYTICAL METHOD
Ignitability	USEPA 1010/1020
Corrosivity (pH)	USEPA 9045
Reactivity	SW-846
Toxicity	Toxicity Characteristic Leaching Procedure (TCLP)
Aromatic hydrocarbons	USEPA 8020
Extractable hydrocarbons	USEPA 8015 (modified)
Chlorinated volatile organic compounds (VOCs)	USEPA 8260
Semivolatile organic compounds (SVOCs)	USEPA 8270
1,4-Dioxane	USEPA 8270
Polychorinated biphenyls (PCBs)	USEPA 8080
Title 26 metals	USEPA 6010/7000 Series
RCRA metals	USEPA 6010/7000 Series
Hexavalent chromium	USEPA 7196
Soluble metals (California)	Waste Extraction Test (WET)
Pesticides	USEPA 8080

RCRA = Resource Conservation and Recovery Act
USEPA = United States Environmental Protection Agency