SFUND RECORDS CTR
2386469

***** CONFIDENTIAL *****
***** PREDECISIONAL DOCUMENT *****

SUMMARY SCORESHEET
FOR COMPUTING PROJECTED HRS SCORE

SITE NAME: KAPALAMA MILITARY RESERVATION

CITY, COUNTY: HONOLULU

EPA ID #: NOT ASSIGNED EVALUATOR: SANJEEV SHARMA

PROGRAM ACCOUNT #: _____ DATE: 1/7/92

Lat/Long: _____ T/R/S: _____

THIS SCORESHEET IS FOR A: PA ✓ SSI ✓ LSI ____

SIRe ____ PA Redo ____ Other (Specify) _____

RCRA STATUS (check all that apply):

___ Generator ___ Small Quantity Generator ___ Transporter ___ TSDF

___ Not Listed in RCRA Database as of (date of printout) __/__/__

STATE SUPERFUND STATUS:

___ BEP (date) __/__/__ ___ WQARF (date) __/__/__

___ No State Superfund Status (date) __/__/__

	S pathway	S^2 pathway
Groundwater Migration Pathway Score (S_{gw})	100	10000
Surface Water Migration Pathway Score (S_{sw})	13.6826	187.2135
Soil Exposure Pathway Score (S_s)	0.6108	0.3730
Air Migration Pathway Score (S_a)	10.8272	117.2282
$S^2_{gw} + S^2_{sw} + S^2_s + S^2_a$		10304.8149
$(S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4$		2576.2037
$\sqrt{(S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4}$		50.7563

*Pathways not assigned a score (explain):

_____

>/hrs

21-May-1991

GROUNDWATER MIGRATION PATHWAY SCORESHEET

Factor Categories and Factors

Likelihood of Release	Maximum Value	Projected Score	Rationale	Data Qual.
1. Observed Release	550	550	1	H
2. Potential to Release				
2a. Containment	10	10	2	H
2b. Net Precipitation	10	3	3	H
2c. Depth to Aquifer	5	5	4	H
2d. Travel Time	35	35	5	E
2e. Potential to Release [Lines 2a x (2b+2c+2d)]	500	430		
3. Likelihood of Release (Higher of lines 1 or 2e)	550	550		
Waste Characteristics				
4. Toxicity/Mobility	a	10000	6	H
5. Hazardous Waste Quantity	a	10	7	E
6. Waste Characteristics (lines 4 x 5, then use Table 2-7)	100	18	8	
Targets				
7. Nearest Well	50	9	9	H
8. Population[d]				
8a. Level I Concentrations	b			
8b. Level II Concentrations	b			
8c. Potential Contamination	b	1281.3	10	H
8d. Population (lines 8a+8b+8c)	b	1281.3		
9. Resources	5	5	11	H
10. Wellhead Protection Area	20	0	12	E
11. Targets (lines 7+8d+9+10)	b	1295.3		
Likelihood of Release				
12. Aquifer Score [(Lines 3 x 6 x 11)/82,500][c]	100	155.436		
Groundwater Migration Pathway Score				
13. Pathway Score (Sgw), (highest value from line 12 for all aquifers evaluated)	100	100[c]		

a Maximum value applies to waste characteristics category.
b Maximum value not applicable.
c Do not round to the nearest integer.
d Use additional tables.

/hrs

Aquifer Evaluated HONOLULU (KALIHI SECTION)

21-May-1991

GROUNDWATER PATHWAY CALCULATIONS

8. Population

Actual Contamination

Well Identifier	Contaminant Detected	Concentration (Note Units)	Benchmark	(A) Apportioned Population Well Serves	(B) Level* Multip.	(A x B)

* Multipliers
- Level I = 10
- Level II = 1

Sum (AXB) Level I _____

Sum (AXB) Level II _____

Potential Contamination

Distance (miles)	Total Number of Wells Within Distance Ring	Total Population Served by Wells Within Distance Ring	Distance-Weighted Population Values "Other Than Karst" (Table 3-12)* (A)
0 to 1/4			
>1/4 to 1/2			
>1/2 to 1			
>1 to 2		76,892	9,385
>2 to 3		20,368	2,122
>3 to 4		19,885	1,306
		Sum (A)	12,813

Potential contamination = $\frac{\text{Sum (A)}}{10}$ = 1281.3

* For drinking water wells that draw from a karst aquifer, see the Distance-Weighted Population Values for "Karst" in Table 3-12.

/hrs

Aquifer Evaluated HONOLULU (KALIHI SECTION)

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

Factor Categories and Factors

DRINKING WATER THREAT

Likelihood of Release	Maximum Value	Projected Score	Rationale	Data Qual.
1. Observed Release	550	550	13	H
2. Potential to Release by Overland Flow				
2a. Containment	10	10	14	H
2b. Runoff	25	1	15	H
2c. Distance to Surface Water	25	16	16	H
2d. Potential to Release by Overland Flow [lines 2a x (2b+2c)]	500	170		
3. Potential to Release by Flood				
3a. Containment (Flood)	10	10	17	H
3b. Flood Frequency	50	0	18	H
3c. Potential to Release by Flood (lines 3a x 3b)	500	0		
4. Potential to Release (Lines 2d+3c, subject to a maximum of 500)	500	170		
5. Likelihood of Release (Higher of lines 1 or 4)	550	550		
Waste Characteristics				
6. Toxicity/Persistence	a	10000	19	H
7. Hazardous Waste Quantity	a	10	7	E
8. Waste Characteristics (lines 6 x 7, then assign a value from Table 2-7)	100	10		
Targets				
9. Nearest Intake	50	0	20	H
10. Population[d]				
10a. Level I Concentrations	b	0	20	
10b. Level II Concentrations	b	0	20	
10c. Potential Contamination	b	0	20	
10d. Population (lines 10a + 10b+10c)	b			
11. Resources	5	5	21	H
12. Targets (lines 9+10d+11)	b	5		
Drinking Water Threat Score				
13. Drinking Water Threat [(Lines 5 x 8 x 12)/82,500, subject to a maximum of 100]	100	0.3333		

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET (CONTINUED)

Factor Categories and Factors

HUMAN FOOD CHAIN THREAT

	Likelihood of Release	Maximum Value	Projected Score	Rationale	Data Qual.
14.	Likelihood of Release (Same value as line 5)	550	550	13	H
	Waste Characteristics				
15.	Toxicity/Persistence/ Bioaccumulation	a	5×10^7	22	H
16.	Hazardous Waste Quantity	a	10	7	E
17.	Waste Characteristics (Toxicity/Persistence x Hazardous Waste Quantity x Bioaccumulation, then assign a value from Table 2-7)	1,000	100	23	
	Targets				
18.	Food Chain Individual	50	20	24	H
19.	Population[d]				
	19a. Level I Concentrations	b	0		
	19b. Level II Concentrations	b	0		
	19c. Potential Human Food Chain Contamination	b	0.000158	25	E
	19d. Population (lines 19a+19b+19c)	b	0.000158		
20.	Targets (lines 18+19d)	b	20.000158		
	Human Food Chain Threat Score				
21.	Human Food Chain Threat [(Lines 14 x 17 x 20)/82,500 subject to a maximum of 100]	100	13.3334		

/hrs

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET (CONTINUED)

Factor Categories and Factors

ENVIRONMENTAL THREAT

	Liklelihood of Release	Maximum Value	Projected Score	Rationale	Data Qual.
22.	Likelihood of Release (Same value as line 5)	550	550	13	H
	Waste Characteristics				
23.	Ecosystem Toxicity/Persistence/ Bioaccumulation	a	5×10^6	26	H
24.	Hazardous Waste Quantity	a	10	7	E
25.	Waste Characteristics (Ecosystem Tox./Persistence x Hazardous Waste Quantity x Bioaccumulation, then assign a value from Table 2-7)	1,000	56	27	
	Targets				
26.	Sensitive Environments[d]				
	26a. Level I Concentrations	b			
	26b. Level II Concentrations	b			
	26c. Potential Contamination	b	0.0425	28	H
	26d. Sensitive Environments (lines 26a+26b+26c)	b	0.0425		
27.	Targets (Value from line 26d)	b	0.0425		
	Environmental Threat Score				
28.	Environmental Threat Score [(lines 22 x 25 x 27)/82,500 subject to a maximum of 60]	60	0.015866		

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORE FOR A WATERSHED

29.	Watershed Score [(Lines 13+21+28), subject to a maximum of 100]	100	13.6826[c]

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORE

30.	Component Score (Sof) (Highest score from Line 29 for all watersheds evaluated, subject to a maximum of 100)	100	13.6826[c]

a Maximum value applies to waste characteristics category.
b Maximum value not applicable.
c Do not round to the nearest integer.
d Use additional tables

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT CALCULATIONS

12. Drinking Water Targets

Actual Contamination

Intake	Contaminant Detected	Concentration (Note Units)	Benchmark	(A) Apportioned Population Intake Serves	(B) Level* Multip.	(A x B)

* Level Multipliers
- Level I = 10
- Level II = 1

Sum (A x B) Level I _____

Sum (A x B) Level II _____

Potential Contamination

Type of Surface Water Body (Dilution)	(A) Dilution-Weighted Population Value (Table 4-14)
< 10 cfs	
10 to 100 cfs	
> 100 to 1,000 cfs	
> 1,000 to 10,000 cfs	
> 10,000 to 100,000 cfs	
Shallow ocean zone (depth < 20 ft)	
Moderate ocean zone (depth 20 to 200 ft)	
Deep ocean zone (depth > 200 ft)	
3-mile mixing zone in quiet flowing river ≥ 10 cfs	
Sum (A)	

Potential Contamination = $\frac{\text{Sum (A)}}{10}$ = _____

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT CALCULATIONS (CONTINUED)

20. Food Chain Targets

Actual Contamination

Fishery	Contaminant	Concen-tration	Benchmark	(A) Assigned Population Value (Table 4-18)	(B) Level* Multiplier	(A x B)
				Sum (A x B) Level I		
				Sum (A x B) Level II		

* Level Multipliers
- Level I = 10
- Level II = 1

Potential Contamination

Fishery	Production (lb/yr)	(P) Assigned Population Value (Table 4-18)	Average Stream Flow at Fishery (cfs)	(DW) Dilution Weighting Factor (Table 4-13)	(P x DW)
COMMERCIAL	515,215	310		0.000005	0.00155
RECREATIONAL	1,000	0.3		0.0001	0.00003
				Sum (P x DW)	0.00158

Fisheries Subject to Potential Contamination = $\frac{\text{Sum (P x DW)}}{10}$ = 0.00158

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT CALCULATIONS (CONTINUED)

27. Environmental Targets

Actual Contamination

Sensitive Environment or Wetland Length (miles)	Contaminant	Concen-tration	Benchmark	(A) Assigned Value (Table 4-23 and/or 4-24)	(B) Level Multiplier*	(A x B)
				Sum (A x B) Level I		
				Sum (A x B) Level II		

* Level Multipliers
- Level I = 10
- Level II = 1

Potential Contamination

Sensitive Environment or Wetland Length (miles)	(A) Assigned Value (Table 4-23 and/or 4-24)	Average Stream Flow (cfs)	(DW) Dilution Weighting Factor (Table 4-13)	(A x DW)
REEF RUNWAY 2.9 MILES	150		0.0001	0.0150
KEEHI LAGOON 6.75 MILES	275		0.0001	0.0275
WAIPIO BASIN 2.0 MILES	150		0.0001	0.0150
WALKERS BAY 3.55 MILES	375		0.0001	0.0375
OTHERS	1650		0.0001	0.165
			Sum of (A x DW)	0.260

Potential contamination = $\frac{\text{Sum (A x DW)}}{10}$ = 0.0425

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GROUNDWATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET

Factor Categories and Factors

DRINKING WATER THREAT

Likelihood of Release to Aquifer	Maximum Value	Projected Score	Rationale	Data Qual.
1. Observed Release	550	550	29	H
2. Potential to Release				
2a. Containment	10			
2b. Net Precipitation	10			
2c. Depth to Aquifer	5			
2d. Travel Time	35			
2e. Potential to Release [lines 2a x (2b+2c+2d)]	500			
3. Likelihood of Release (higher of lines 1 or 2e)	550			
Waste Characteristics				
4. Toxicity/Mobility/Persistence	a			
5. Hazardous Waste Quantity	a			
6. Waste Characteristics (lines 4 x 5, then assign a value from Table 2-7)	100			
Targets				
7. Nearest Intake	50			
8. Population[d]				
8a. Level I Concentrations	b			
8b. Level II Concentrations	b			
8c. Potential Contamination	b			
8d. Population (lines 8a+8b+8c)	b			
9. Resources	5			
10. Targets (Lines 7+8d+9)	b			
Drinking Water Threat Score				
11. Drinking Water Threat [(Lines 3 x 6 x 10)/82,500 subject to a maximum of 100]	100			

/hrs

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GROUNDWATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET (CONTINUED)

Factor Categories and Factors

HUMAN FOOD CHAIN THREAT

	Likelihood of Release	Maximum Value	Projected Score	Rationale	Data Qual.
12.	Likelihood of Release (Same Value as Line 3)	550			
	Waste Characteristics				
13.	Toxicity/Mobility/Persistence/ Bioaccumulation	a			
14.	Hazardous Waste Quantity	a			
15.	Waste Characteristics (Toxicity/Mobility/Persistence x Hazardous Waste Quantity x Bioaccumulation, then assign a value from Table 2-7)	1,000			
	Targets				
16.	Food Chain Individual	50			
17.	Population[d]				
	17a. Level I Concentrations	b			
	17b. Level II Concentrations	b			
	17c. Potential Human Food Chain Contamination	b			
	17d. Population (Lines 17a+17b+17c)	b			
18.	Targets (Lines 16+17d)	b			
	Human Food Chain Threat Score				
19.	Human Food Chain Threat [(Lines 12 x 15 x 18)/82,500 subject to a maximum of 100]	100			

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GROUNDWATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET (CONTINUED)

Factor Categories and Factors

ENVIRONMENTAL THREAT

	Liklelihood of Release	Maximum Value	Projected Score	Rationale	Data Qual.
20.	Likelihood of Release (Same Value as Line 3)	550			
	Waste Characteristics				
21.	Ecosystem Toxicity/Mobility/ Persistence/Bioaccumulation	a			
22.	Hazardous Waste Quantity	a			
23.	Waste Characteristics (Eco. Tox./Mob./Pers.x Hazardous Waste Quantity x Bioaccumulation, then assign a value from Table 2-7)	1,000			
	Targets				
24.	Sensitive Environments[d]				
	24a. Level I Concentrations	b			
	24b. Level II Concentrations	b			
	24c. Potential Contamination	b			
	24d. Sensitive Environments (lines 24a+24b+24c)	b			
25.	Targets (Value from line 24d)	b			
	Environmental Threat Score				
26.	Environmental Threat Score [(lines 20 x 23 x 25)/82,500 subject to a maximum of 60]	60			

GROUNDWATER TO SURFACE WATER MIGRATION COMPONENT SCORE FOR A WATERSHED

27.	Watershed Score [(Lines 11+19+26), subject to a maximum of 100]	100	[ ][c]

GROUNDWATER TO SURFACE WATER MIGRATION COMPONENT SCORE

28.	Component Score (Sof) (Highest score from Line 27 for all watersheds evaluated, subject to a maximum of 100)	100	[ ][c]

a Maximum value applies to waste characteristics category.
b Maximum value not applicable.
c Do not round to the nearest integer.
d Use additional tables.

/hrs

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GROUNDWATER TO SURFACE WATER MIGRATION COMPONENT CALCULATIONS

10. Drinking Water Targets

Actual Contamination

Intake	Contaminant Detected	Concentration (Note Units)	Benchmark	(A) Apportioned Population Intake Serves	(B) Level* Multip.	(A x B)

* Level Multipliers
- Level I = 10
- Level II = 1

Sum (A x B) Level I _____

Sum (A x B) Level II _____

Potential Contamination

Type of Surface Water Body (Dilution)	(A) Dilution-weighted Adjustment Values (Table 4-27)	(B) Dilution-weighted Population Values (Table 4-14)	(A x B)
< 10 cfs			
10 to 100 cfs			
> 100 to 1,000 cfs			
> 1,000 to 10,000 cfs			
> 10,000 to 100,000 cfs			
Shallow ocean zone (depth < 20 ft)			
Moderate ocean zone (depth 20 to 200 ft)			
Deep ocean zone (depth > 200 ft)			
3-mile mixing zone in quiet flowing river ≥ 10 cfs			

Sum (A X B) _____

Potential Contamination = $\frac{\text{Sum (A x B)}}{10}$ = _____ /hrs

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GROUNDWATER TO SURFACE WATER MIGRATION COMPONENT CALCULATIONS (CONTINUED)

20. Food Chain Targets

Actual Contamination

Fishery	Contaminant	Concen-tration	Benchmark	(A) Assigned Population Value (Table 4-18)	(B) Level* Multiplier	(A x B)
					Sum (A x B) Level I	
					Sum (A x B) Level II	

* Level Multipliers
- Level I = 10
- Level II = 1

Potential Contamination

Fishery	Production (lb/yr)	(P) Assigned Population Value (Table 4-18)	Average Stream Flow at Fishery (cfs)	(DW) Dilution Weighting Factor (Table 4-13)	(DA) Dilution Weight Adjustment Factor (Table 4-27)	(PxDWxDA)
					Sum (PxDWxDA)	

Fisheries Subject to Potential Contamination = $\frac{\text{Sum (PxDWxDA)}}{10}$ = _____

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GROUNDWATER TO SURFACE WATER MIGRATION COMPONENT CALCULATIONS (CONTINUED)

27. Environmental Targets

Actual Contamination

Sensitive Environment or Wetland Length (miles)	Contaminant	Concen-tration	Benchmark	(A) Assigned Value (Table 4-23 and/or 4-24)	(B) Level* Multip.	(A x B)

* Level Multipliers
- Level I = 10
- Level II = 1

Sum (A x B) Level I _____

Sum (A x B) Level II _____

Potential Contamination

Sensitive Environment or Wetland Length (miles)	(A) Assigned Value (Table 4-23 and/or 4-24)	Average Stream Flow (cfs)	(DW) Dilution Weighting Factor (Table 4-13)	(DA) Dilution Weighting Adjustment Factor (Table 4-27)	(AxDWxDA)

Sum of (AxDWxDA) _____

Potential contamination = $\frac{\text{Sum (AxDWxDA)}}{10}$ = _____

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SOIL EXPOSURE PATHWAY SCORESHEET

Factor Categories and Factors

RESIDENT POPULATION THREAT

	Likelihood of Exposure	Maximum Value	Projected Score	Rationale	Data Qual.
1.	Likelihood of Exposure	550	550	30	H
	Waste Characteristics				
2.	Toxicity	a	10000	31	H
3.	Hazardous Waste Quantity	a	10	7	
4.	Waste Characteristics	100	18	32	
	Targets				
5.	Resident Individual	50	0		
6.	Resident Population				
	6a. Level I Concentrations	b	0		
	6b. Level II Concentrations	b	0		
	6c. Resident Population (lines 6a+6b)	b	0		
7.	Workers	15	5	33	H
8.	Resources	5	0		
9.	Terrestrial Sensitive Environments	c	0		
10.	Targets (lines 5+6c+7+8+9)	b	5		
	Resident Population Threat Score				
11.	Resident Population Score (lines 1 x 4 x 10)	b	49,500		

NEARBY POPULATION THREAT

	Likelihood of Exposure				
12.	Attractiveness/Accessibility	100	10	34	H
13.	Area of Contamination	100	20	35	E
14.	Likelihood of Exposure	500	5	36	
	Waste Characteristics				
15.	Toxicity	a	10000	31	H
16.	Hazardous Waste Quantity	a	10	7	E
17.	Waste Characteristics	100	18	32	
	Targets				
18.	Nearby Individual	1	0	37	H
19.	Population Within 1-Mile[e]	b	9.9	38	H
20.	Targets (lines 18+19)	b	9.9		

/hrs

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SOIL EXPOSURE CALCULATIONS

20. **Nearby Population Targets**

Distance (miles)	Total Population Within Distance Ring	(P) Distance-Weighted Population Values (Table 5-10)
0 to 1/4	83	1
>1/4 to 1/2	4,615	65
>1/2 to 1	8,203	33
	Sum (P)	99

Nearby Population Threat factor value $\frac{\text{Sum (P)}}{10}$ = 9.9

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SOIL EXPOSURE PATHWAY SCORESHEET (CONTINUED)

Factor Categories and Factors

Nearby Population Threat Score	Maximum Value	Projected Score	Rationale	Data Qual.
21. Nearby Population Threat (lines 14 x 17 x 20)	b	891		

SOIL EXPOSURE PATHWAY SCORE

22. Soil Exposure Pathway Score (Ss), [lines (11+21)/82,500 subject to a maximum of 100]	100	0.6108 [d]		

a Maximum value applies to waste characteristics category.
b Maximum value not applicable.
c No specific maximum value applies to this factor. However, pathway score based solely on sensitive environments is limited to a maximum of 60.
d Do not round to the nearest integer.
e Use additional tables.

AIR MIGRATION PATHWAY SCORESHEET

Factor Categories and Factors

Likelihood of Release	Maximum Value	Projected Score	Rationale	Data Qual.
1. Observed Release	550	0	39	H
2. Potential to Release[e]				
2a. Gas Potential	500	250	40	H
2b. Particulate Potential	500	390	41	H
2c. Potential to Release (higher of lines 2a and 2b)	500	390		
3. Likelihood of Release (higher of Lines 1 or 2c)	550	390		
Waste Characteristics				
4. Toxicity/Mobility	a	10000	42	H
5. Hazardous Waste Quantity	a	10	7	
6. Waste Characteristics (lines 4 x 5, then use Table 2-7)	100	18		
Targets				
7. Nearest Individual	50	20	43	H
8. Population[e]				
8a. Level I Concentrations	b	0		
8b. Level II Concentrations	b	0		
8c. Potential Contamination[e]	b	101.5	44	H
8d. Population (8a+8b+8c)	b	101.5		
9. Resources	5	5	45	H
10. Sensitive Environments[e]				
10a. Actual Contamination	c			
10b. Potential Contamination	c	0.74275	46	H
10c. Sensitive Environments (lines 10a+10b)	c	0.74275		
11. Targets (Lines 7+8d+9+10c)	b	127.24275		

Air Pathway Migration Score

12. Air Pathway Score (Sa) [(lines 3 x 6 x 11)/82,500]	100	10.8272[d]

a Maximum value applies to waste characteristics category.
b Maximum value not applicable.
c No specific maximum value applies to factor. However, pathway score based solely on sensitive environments is limited to a maximum of 60.
d Do not round to nearest integer.
e Use additional tables.

/hrs

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AIR PATHWAY CALCULATIONS

2. Potential to Release

Gas Potential to Release

	Source Type (Name)	Gas Containment Factor Value (Table 6-3)	Gas Source Type Factor Value (Table 6-4)	Gas Migration Potential Factor Value (Table 6-7)	Sum	Gas Source Value
		(A)	(B)	(C)	(B+C)	A x (B+C)
1.	CONTAMINATED SOIL	10	19	6	25	250
2.						
3.						
4.						

Gas Potential to Release Factor Value (Select the highest Gas Source Value) 250

Particulate Potential to Release

	Source Type (Name)	Particulate Containment Factor Value (Table 6-9)	Particulate Source Type Factor Value (Table 6-4)	Particulate Migration Potential Factor Value (Figure 6-2)	Sum	Particulate Source Value
		(A)	(B)	(C)	(B+C)	A x (B+C)
1.	CONTAMINATED SOIL	10	22	17	39	390
2.						
3.						
4.						

Particulate Potential to Release Factor Value (Select the highest Particulate Source Value) 390

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AIR PATHWAY CALCULATIONS (CONTINUED)

8. Potential Contamination

Distance (miles)	Total Population Within Distance Ring	(A) Distance-Weighted Population Value (Table 6-17)
On a source (0)		
>0 to 0.25	83	13
>0.25 to 0.5	4,615	282
>0.5 to 1	8,203	261
>1 to 2	33,159	266
>2 to 3	46,297	120
>3 to 4	62,870	73
	Sum of (A) =	1015

Air Potential Contamination Factor Value = $\frac{\text{Sum of (A)}}{10}$ = 101.5

10. Sensitive Environments

Actual Contamination

Wetland or Type of Sensitive Environment	(A) Sensitive Environment Rating Value (Table 4-23)	(B) Wetland Rating Value (Table 6-18)	(A + B)

Actual Contamination Factor Value [sum (A + B)] _____

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AIR PATHWAY CALCULATIONS (CONTINUED)

Potential Contamination

Wetland or Type of Sensitive Environment	(A) Sensitive Environment Rating Value (Table 4-23)	(B) Wetland* Rating Value (Table 6-18)	Distance (miles)	(DW) Distance Weights (Table 6-15)	DW x (A + B)
FORT KAM	0	75	3.5	0.0014	0.105
REEF RUNWAY	75	500	3.0	0.0023	1.3225
KEEHI LAGOON	125	250	0.57	0.016	6.000
				Sum DW x (A + B)	7.4275

Potential Contamination
Sensitive Environments Factor Value = $\frac{\text{Sum DW x (A + B)}}{10}$ = 0.74275

* Only assign a Wetland Rating Value once for each wetland within a distance category.

/hrs

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