APPENDIX G

HRS SCORING

HRS DOCUMENTATION RECORD

Fort McClellan, OLF-3 - 12/11/92

1. Site Name: Fort McClellan, OLF-3
   (as entered in CERCLIS)

2. Site CERCLIS Number:

3. Site Reviewer: P.A. Dillon

4. Date: 12/11/92

5. Site Location: Anniston, Alabama
   (City/County,State)

6. Congressional District:

7. Site Coordinates: Single

   Latitude: 33 42'00.0" Longitude: 85 47'00.0"

	Score
Ground Water Migration Pathway Score (Sgw)	32.16
Surface Water Migration Pathway Score (Ssw)	0.60
Soil Exposure Pathway Score (Ss)	0.00
Air Migration Pathway Score (Sa)	0.00

Site Score	16.08

NOTE

EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities or releases. Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Former Landfill #3

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID	Former Landfill #3	
b. Source Type	Landfill	
c. Secondary Source Type	N.A.	
d. Source Volume (yd3) | Source Area (ft2)	0.00	95832.00
e. Source Volume/Area Value	2.82E+01	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00	
g. Data Complete?	NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00	
i. Data Complete?	NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	2.82E+01	

Documentation for Source Hazardous Substances:

Soil samples were not collected at Former Landfill #3.

Reference:

Documentation for Source Volume:

Source volume could not be calculated because the depth of the landfill is not known.

Reference:

Documentation for Source Area:

Source area was calculated from acreage (provided in Reference 1).

Reference: 1

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	Former Landfill #3	GW-SW-SE	2.82E+01	0.00E+00	2.82E+01

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values		HWQVs*	WCVs*
Ground Water	Toxicity/Mobility	1.00E+04	10	18
SW: Overland Flow, DW	Tox./Persistence	0.00E+00	10	0
SW: Overland Flow, HFC	Tox./Persis./Bioacc.	0.00E+00	10	0
SW: Overland Flow, Env	Etox./Persis./Bioacc.	0.00E+00	10	0
SW: GW to SW, DW	Tox./Persistence	1.00E+04	10	18
SW: GW to SW, HFC	Tox./Persis./Bioacc.	5.00E+08	10	180
SW: GW to SW, Env	Etox./Persis./Bioacc.	5.00E+08	10	180
Soil Exposure:Resident	Toxicity	0.00E+00	0	0
Soil Exposure: Nearby	Toxicity	0.00E+00	0	0
Air	Toxicity/Mobility	0.00E+00	0	0

* Hazardous Waste Quantity Factor Values
** Waste Characteristics Factor Category Values

Note: SW = Surface Water
GW = Ground Water
DW = Drinking Water Threat
HFC = Human Food Chain Threat
Env = Environmental Threat

NPL Characteristics Data Collection Form
Fort McClellan, OLF-3 - 12/11/92

Record Information

1. Site Name: Fort McClellan, OLF-3
   (as entered in CERCLIS)

2. Site CERCLIS Number:

3. Site Reviewer: P.A. Dillon

4. Date: 12/11/92

5. Site Location: Anniston, Alabama
   (City/County,State)

6. Congressional District:

7. Site Coordinates: Single

   Latitude: 33 42'00.0" Longitude: 85 47'00.0"

Site Description

1. Setting: Suburban

2. Current Owner: Federal

3. Current Site Status: Inactive

4. Years of Operation: Inactive Site,from and to dates: 1946 to 1967

5. How Initially Identified: Other Federal Program

6. Entity Responsible for Waste Generation:

   - Federal Facility
     - Military

7. Site Activities/Waste Deposition:

   - Municipal Landfill

Waste Description

8. Wastes Deposited or Detected Onsite:

- Other - fuel oil
- Organic Chemicals
- Metals

Response Actions

9. Response/Removal Actions:

RCRA Information

10. For All Active Facilities, RCRA Site Status:

- Not Applicable

Demographic Information

11. Workers Present Onsite: No

12. Distance to Nearest Non-Worker Individual: > 10 Feet - 1/4 Mile

13. Residential Population Within 1 Mile: 50.0

14. Residential Population Within 4 Miles: 1767.0

Water Use Information

15. Local Drinking Water Supply Source:

- Surface Water (within 15 mile distance limit)

16. Total Population Served by Local Drinking Water Supply Source: Unknown

17. Drinking Water Supply System Type for Local Drinking Water Supply Sources:

- Municipal (Services over 25 People)

18. Surface Water Adjacent to/Draining Site:

- Stream
- Wetland
- Lake

GROUND WATER MIGRATION PATHWAY SCORESHEET
Fort McClellan, OLF-3 - 12/11/92

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Cambrian Rome Format		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	10
2c. Depth to Aquifer	5	5
2d. Travel Time	35	5
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	200
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+04
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	18
Targets		
7. Nearest Well	50	9.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	2.54E+02
8d. Population (lines 8a+8b+8c)	**	2.54E+02
9. Resources	5	5.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	2.68E+02
12. Targets (including overlaying aquifers)	**	2.68E+02
13. Aquifer Score	100	32.16
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	32.16

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

GROUND WATER PATHWAY AQUIFER SUMMARY
Fort McClellan, OLF-3 - 12/11/92

No.	Aquifer ID	Type	Overlaying No.	Inter-Connected with	Likelihood of Release	Targets
1	Cambrian Rome Format	Non K	0	0	550	2.68E+02

Containment

No.	Source ID	HWQ Value	Containment Value
1	Former Landfill #3	2.82E+01	10
		Containment Factor	10

Documentation for Ground Water Containment, Source Former Landfill #3:

Containment value was determined by the data received from the Site Investigation completed in June 1992. Contaminants were found in the groundwater of the wells completed surrounding Old Landfill No. 3. (Reference 2)

Reference: 2

Net Precipitation

Net Precipitation (inches) 53.00

Documentation for Net Precipitation:

Net precipitation of Fort McClellan (53.0 inches) was cited in "Task Order 11, Enhanced Preliminary Assessment", Fort McClellan, Alabama, Volume 1, December 1990, page 2-6.(Reference 1)

Reference: 1

GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Cambrian Rome Formation AQUIFER
Fort McClellan, OLF-3 - 12/11/92

Aquifer: Cambrian Rome Formation

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

Documentation for Cambrian Rome Formation Aquifer:

There are some carbonate units that exhibit features typical of Karst terrain; however, Karst is not present at Old Landfill No. 3 (Reference 2,3)

Reference: 2,3

OBSERVED RELEASE

No.	Well ID	Well Type	Distance (miles)	Level of Contamination
1	OLF No. 1	Monitoring Well	0.000	Level I
2	OLF No. 2	Monitoring Well	0.000	Level I
3	OLF No. 3	Monitoring Well	0.000	Level I
4	OLF No. 4	Monitoring Well	0.000	Level I
5	OLF No. 5	Monitoring Well	0.000	Level I
6	OLF No. 6	Monitoring Well	0.000	Level II
7	OLF No. 7	Monitoring Well	0.000	Level I
8	OLF No. 8	Monitoring Well	0.000	Level I
9	OLF No. 9	Monitoring Well	0.000	Level II
10	OLF No. 10	Monitoring Well	0.000	Level I

Well No.	Hazardous Substance	Concent.	MCL	Cancer	RFD	Units
1	Aluminum	7.0E+03	0.0E+00	0.0E+00	0.0E+00	ppb
1	Barium	4.2E+01	1.0E+03	0.0E+00	2.5E+03	ppb
1	Bis (2-ethylhexyl) phthalate	2.0E+01	0.0E+00	2.5E+00	7.0E+02	ppb
1	Heptachlor epoxide	6.9E-03	0.0E+00	3.8E-03	4.6E-01	ppb
1	Iron	5.3E+03	0.0E+00	0.0E+00	0.0E+00	ppb
1	Manganese	2.1E+02	0.0E+00	0.0E+00	3.5E+03	ppb
1	Mercury	3.1E-01	2.0E+00	0.0E+00	1.1E+01	ppb
1	Sodium	3.6E+03	0.0E+00	0.0E+00	0.0E+00	ppb
1	Zinc	2.8E+01	0.0E+00	0.0E+00	7.0E+03	ppb

2	Aldrin	3.4E-02	0.0E+00	2.1E-03	1.1E+00	ppb
2	Aluminum	2.4E+05	0.0E+00	0.0E+00	0.0E+00	ppb
2	Barium	7.8E+02	1.0E+03	0.0E+00	2.5E+03	ppb
2	Beryllium	2.0E+01	0.0E+00	8.1E-03	1.8E+02	ppb
2	Bis (2-ethylhexyl) phthalate	4.0E+01	0.0E+00	2.5E+00	7.0E+02	ppb
2	Chromium	2.7E+02	5.0E+01	0.0E+00	1.8E+02	ppb
2	Cobalt	1.2E+02	0.0E+00	0.0E+00	0.0E+00	ppb
2	Copper	2.5E+02	0.0E+00	0.0E+00	1.3E+03	ppb
2	DDD	3.1E-02	0.0E+00	1.5E-01	0.0E+00	ppb
2	Dieldrin	2.7E-02	0.0E+00	2.2E-03	1.8E+00	ppb
2	Endosulfan (I or II)	1.0E-02	0.0E+00	0.0E+00	1.8E+00	ppb
2	Endrin	3.6E-02	2.0E-01	0.0E+00	1.1E+01	ppb
2	Heptachlor	5.5E-03	0.0E+00	7.8E-03	1.8E+01	ppb
2	Iron	2.7E+05	0.0E+00	0.0E+00	0.0E+00	ppb
2	Lead	1.5E+03	5.0E+01	0.0E+00	0.0E+00	ppb
2	Manganese	3.8E+03	0.0E+00	0.0E+00	3.5E+03	ppb
2	Mercury	3.1E-01	2.0E+00	0.0E+00	1.1E+01	ppb
2	Nickel	2.4E+02	0.0E+00	0.0E+00	7.0E+02	ppb
2	Sodium	3.8E+04	0.0E+00	0.0E+00	0.0E+00	ppb
2	Zinc	5.8E+02	0.0E+00	0.0E+00	7.0E+03	ppb
3	Aluminum	7.3E+03	0.0E+00	0.0E+00	0.0E+00	ppb
3	Arsenic	2.8E+00	5.0E+01	2.0E-02	1.1E+01	ppb
3	Barium	1.7E+02	1.0E+03	0.0E+00	2.5E+03	ppb
3	Beryllium	2.5E+00	0.0E+00	8.1E-03	1.8E+02	ppb
3	Bis (2-ethylhexyl) phthalate	1.0E+01	0.0E+00	2.5E+00	7.0E+02	ppb
3	Copper	8.8E+01	0.0E+00	0.0E+00	1.3E+03	ppb
3	Iron	1.7E+04	0.0E+00	0.0E+00	0.0E+00	ppb
3	Manganese	6.9E+02	0.0E+00	0.0E+00	3.5E+03	ppb
3	Mercury	8.4E-01	2.0E+00	0.0E+00	1.1E+01	ppb
3	Nickel	4.8E+01	0.0E+00	0.0E+00	7.0E+02	ppb
3	Sodium	3.4E+04	0.0E+00	0.0E+00	0.0E+00	ppb
3	Tetrachloroethene	5.0E+01	0.0E+00	6.9E-01	3.5E+02	ppb
3	Zinc	9.2E+01	0.0E+00	0.0E+00	7.0E+03	ppb
4	Aluminum	1.6E+03	0.0E+00	0.0E+00	0.0E+00	ppb
4	Barium	8.5E+01	1.0E+03	0.0E+00	2.5E+03	ppb
4	Benzene	4.0E+00	5.0E+00	1.2E+00	0.0E+00	ppb
4	DDD	3.1E-02	0.0E+00	1.5E-01	0.0E+00	ppb
4	DDE	7.5E-02	0.0E+00	1.0E-01	0.0E+00	ppb
4	DDT	3.1E-03	0.0E+00	1.0E-01	1.8E+01	ppb
4	Dichloroethane, 1,1-	9.6E+00	0.0E+00	0.0E+00	3.5E+03	ppb
4	Dichloroethylene, trans-1,2-	2.4E+01	0.0E+00	0.0E+00	7.0E+02	ppb
4	Endosulfan (I or II)	1.9E-02	0.0E+00	0.0E+00	1.8E+00	ppb
4	Endrin	1.7E-01	2.0E-01	0.0E+00	1.1E+01	ppb
4	Heptachlor	1.3E-01	0.0E+00	7.8E-03	1.8E+01	ppb
4	Heptachlor epoxide	2.5E-02	0.0E+00	3.8E-03	4.6E-01	ppb
4	Iron	1.6E+03	0.0E+00	0.0E+00	0.0E+00	ppb
4	Manganese	3.5E+02	0.0E+00	0.0E+00	3.5E+03	ppb
4	Mercury	1.5E+00	2.0E+00	0.0E+00	1.1E+01	ppb
4	Methylene chloride	9.0E+00	0.0E+00	4.7E+00	2.1E+03	ppb
4	Sodium	2.6E+03	0.0E+00	0.0E+00	0.0E+00	ppb
4	Tetrachloroethene	1.2E+01	0.0E+00	6.9E-01	3.5E+02	ppb

5	Aluminum	2.3E+03	0.0E+00	0.0E+00	0.0E+00	ppb
5	Barium	3.6E+01	1.0E+03	0.0E+00	2.5E+03	ppb
5	Bis (2-ethylhexyl) phthalate	9.1E+00	0.0E+00	2.5E+00	7.0E+02	ppb
5	Chromium	1.8E+01	5.0E+01	0.0E+00	1.8E+02	ppb
5	DDE	4.9E-03	0.0E+00	1.0E-01	0.0E+00	ppb
5	Iron	5.9E+03	0.0E+00	0.0E+00	0.0E+00	ppb
5	Manganese	2.6E+02	0.0E+00	0.0E+00	3.5E+03	ppb
5	Methyl isobutyl ketone	3.0E+00	0.0E+00	0.0E+00	1.8E+03	ppb
5	Sodium	4.6E+03	0.0E+00	0.0E+00	0.0E+00	ppb
5	Tetrachloroethene	1.1E+02	0.0E+00	6.9E-01	3.5E+02	ppb
5	Zinc	3.6E+01	0.0E+00	0.0E+00	7.0E+03	ppb
6	Aluminum	1.7E+03	0.0E+00	0.0E+00	0.0E+00	ppb
6	Barium	1.3E+01	1.0E+03	0.0E+00	2.5E+03	ppb
6	Iron	1.9E+03	0.0E+00	0.0E+00	0.0E+00	ppb
6	Manganese	4.0E+01	0.0E+00	0.0E+00	3.5E+03	ppb
6	Sodium	2.4E+03	0.0E+00	0.0E+00	0.0E+00	ppb
7	Aluminum	1.4E+03	0.0E+00	0.0E+00	0.0E+00	ppb
7	Barium	5.5E+01	1.0E+03	0.0E+00	2.5E+03	ppb
7	Bis (2-ethylhexyl) phthalate	1.7E+01	0.0E+00	2.5E+00	7.0E+02	ppb
7	DDE	3.9E-03	0.0E+00	1.0E-01	0.0E+00	ppb
7	Iron	1.0E+03	0.0E+00	0.0E+00	0.0E+00	ppb
7	Manganese	4.1E+02	0.0E+00	0.0E+00	3.5E+03	ppb
7	Sodium	7.0E+03	0.0E+00	0.0E+00	0.0E+00	ppb
7	Tetrachloroethane, 1,1,2,2-	1.7E+01	0.0E+00	1.8E-01	0.0E+00	ppb
7	Trichloroethylene	3.8E+00	5.0E+00	3.2E+00	0.0E+00	ppb
8	Aluminum	5.7E+02	0.0E+00	0.0E+00	0.0E+00	ppb
8	Barium	2.6E+01	1.0E+03	0.0E+00	2.5E+03	ppb
8	Bis (2-ethylhexyl) phthalate	3.6E+01	0.0E+00	2.5E+00	7.0E+02	ppb
8	Iron	1.4E+03	0.0E+00	0.0E+00	0.0E+00	ppb
8	Lindane	8.4E-03	4.0E+00	2.7E-02	1.1E+01	ppb
8	Manganese	5.4E+01	0.0E+00	0.0E+00	3.5E+03	ppb
8	Mercury	1.9E-01	2.0E+00	0.0E+00	1.1E+01	ppb
8	Sodium	3.2E+03	0.0E+00	0.0E+00	0.0E+00	ppb
8	Zinc	3.6E+01	0.0E+00	0.0E+00	7.0E+03	ppb
9	Aluminum	3.2E+02	0.0E+00	0.0E+00	0.0E+00	ppb
9	Barium	9.8E+00	1.0E+03	0.0E+00	2.5E+03	ppb
9	DDE	6.5E-03	0.0E+00	1.0E-01	0.0E+00	ppb
9	Iron	8.5E+02	0.0E+00	0.0E+00	0.0E+00	ppb
9	Lindane	8.3E-03	4.0E+00	2.7E-02	1.1E+01	ppb
9	Manganese	1.2E+01	0.0E+00	0.0E+00	3.5E+03	ppb
9	Sodium	1.0E+03	0.0E+00	0.0E+00	0.0E+00	ppb
9	Zinc	2.0E+01	0.0E+00	0.0E+00	7.0E+03	ppb
10	Aluminum	2.4E+04	0.0E+00	0.0E+00	0.0E+00	ppb
10	Dinitrotoluene, 2,4-	7.7E-01	0.0E+00	5.1E-02	0.0E+00	ppb
10	Iron	1.8E+04	0.0E+00	0.0E+00	0.0E+00	ppb
10	Manganese	3.5E+02	0.0E+00	0.0E+00	3.5E+03	ppb
10	Sodium	1.0E+04	0.0E+00	0.0E+00	0.0E+00	ppb
10	Trinitrobenzene, 1,3,5-	1.7E+00	0.0E+00	0.0E+00	1.8E+00	ppb
10	Zinc	9.4E+01	0.0E+00	0.0E+00	7.0E+03	ppb

Observed Release Factor 550

Documentation for Well OLF No. 1:

See Documentation Editor information and notes for OLF. No.10. (Reference 2)

Reference:

Documentation for Well OLF No. 2:

See Documentation Editor information and notes for OLF. No.10. (Reference 2)

Reference:

Documentation for Well OLF No. 3:

See Documentation Editor information and notes for OLF No. 10. (Reference 2)

Reference:

Documentation for Well OLF No. 4:

See Documentation Editor information and notes for OLF. No.10. (Reference 2)

Reference:

Documentation for Well OLF No. 5:

See Documentation Editor information and notes for OLF. No. 10. (Reference 2)

Reference:

Documentation for Well OLF No. 6:

See Documentation Editor information and notes for OLF. No. 10. (Reference 2)

Reference:

Documentation for Well OLF No. 7:

No contaminants were found during lab analyses for OLF. No.7. (Reference 2)

Reference: 2

Documentation for Well OLF No. 8:

See Documentation Editor information and notes for OLF No. 10 (Reference 2)

Reference: 2

Documentation for Well OLF No. 9:

See Documentation Editor information and notes for OLF No. 10 (Reference 2)

Reference: 2

Documentation for Well OLF No. 10:

Information for wells OLF No. 1-10, was found in the data received after analyses from the contracted laboratories. All data will be provided in the SI Internal Draft Report, September 1992. (Reference 2)

Reference: 2

Documentation for Well Reilly Lake Well:

Information provided in the USATHAMA document, HRS-FTMC, 1992. (Reference 3)

Reference: 3

Documentation for Well Well No. 3 (OWSB):

See Reference 3.

Reference: 3

Documentation for Well Weaver (No.2):

City Of Weaver well No.2 is located 1.68 miles northwest of Former Landfill #3, as confirmed by city personnel. Population served by both wells is 6,650.

Reference: 7

Documentation for Well City of Weaver (2):

The city of Weaver well No. 3 is located approximately 2.06 miles northwest of Former Landfill #3, as confirmed by city personnel. Population served from both wells (No. 2 and 3) is 6,650.

Reference: 7

POTENTIAL TO RELEASE

Containment

Containment Factor	10	

Net Precipitation

Net Precipitation Factor	10	

Depth to Aquifer

A. Depth of Hazardous Substances	0.00	feet

Documentation for Depth of Hazardous Substances:

Depth of contamination and landfill is not known, therefore, lowest known point is not provided.

Reference:

B. Depth to Aquifer from Surface	11.40	feet

Documentation for Depth to Aquifer from Surface :

Depth to aquifer was determined by providing the water level of monitoring well OLF-G03; the shallowest water level of all wells in the landfill.
There are five soil associations found at Fort McClellan and Pelham Range. These are:
Altavista-Masada-Tate: Well drained and moderately steep terraces and foot slopes. (permeability=.8-2 inches/hour)
Anniston-Allen-Decatur-Cumberland: Deep, well drained, level to moderately steep soils in valleys underlain by limestone and shale. (permeability=.8-2 inches/hour)
Clarksville-Fullerton: Well drained to moderately well drained

stony or cherty soils on ridgetops and steep slopes and in local alluvium on foot slopes or in draws. (permeability= 2-10 inches)
Rarden-Montevallo-Lehew: Moderately deep or shallow soils on ridgetops and steep slopes and in local alluvium in draws. (permeability= 2-10)
Stony Rough Land: Shallow, steep, and stony soils underlain by sandstone, limestone, and Talladega Slate. (permeability= 2-10)

Reference: 1

C. Depth to Aquifer (B - A)	11.40	feet
Depth to Aquifer Factor	5	

Travel Time

Are All Layers Karst?	NO	
Thickness of Layer(s) with Lowest Conductivity	10.00	feet
Hydraulic Conductivity (cm/sec)	0.0E-00	
Travel Time Factor	5	

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Potential to Release Factor 200

GROUND WATER PATHWAY WASTE CHARACTERISTICS

Fort McClellan, OLF-3 - 12/11/92

Source: 1 Former Landfill #3

Source Hazardous Waste Quantity Value: 28.19

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value

Hazardous Substances Found in an Observed Release

Well No.	Observed Release Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value
1	Aluminum	100	1.00E+00	1.00E+02
1	Barium	10000	1.00E+00	1.00E+04
1	Bis (2-ethylhexyl) phthalate	100	1.00E+00	1.00E+02
1	Heptachlor epoxide	10000	1.00E+00	1.00E+04
1	Iron	100	1.00E+00	1.00E+02
1	Manganese	10000	1.00E+00	1.00E+04
1	Mercury	10000	1.00E+00	1.00E+04
1	Sodium	100	1.00E+00	1.00E+02
1	Zinc	10	1.00E+00	1.00E+01
2	Aldrin	10000	1.00E+00	1.00E+04
2	Aluminum	100	1.00E+00	1.00E+02
2	Barium	10000	1.00E+00	1.00E+04
2	Beryllium	10000	1.00E+00	1.00E+04
2	Bis (2-ethylhexyl) phthalate	100	1.00E+00	1.00E+02
2	Chromium	10000	1.00E+00	1.00E+04
2	Cobalt	100	1.00E+00	1.00E+02
2	Copper	100	1.00E+00	1.00E+02
2	DDD	100	1.00E+00	1.00E+02
2	Dieldrin	10000	1.00E+00	1.00E+04
2	Endosulfan (I or II)	10000	1.00E+00	1.00E+04
2	Endrin	10000	1.00E+00	1.00E+04
2	Heptachlor	1000	1.00E+00	1.00E+03
2	Iron	100	1.00E+00	1.00E+02
2	Lead	10000	1.00E+00	1.00E+04
2	Manganese	10000	1.00E+00	1.00E+04
2	Mercury	10000	1.00E+00	1.00E+04
2	Nickel	10000	1.00E+00	1.00E+04
2	Sodium	100	1.00E+00	1.00E+02
2	Zinc	10	1.00E+00	1.00E+01
3	Aluminum	100	1.00E+00	1.00E+02
3	Arsenic	10000	1.00E+00	1.00E+04
3	Barium	10000	1.00E+00	1.00E+04
3	Beryllium	10000	1.00E+00	1.00E+04
3	Bis (2-ethylhexyl) phthalate	100	1.00E+00	1.00E+02
3	Copper	100	1.00E+00	1.00E+02
3	Iron	100	1.00E+00	1.00E+02
3	Manganese	10000	1.00E+00	1.00E+04
3	Mercury	10000	1.00E+00	1.00E+04
3	Nickel	10000	1.00E+00	1.00E+04
3	Sodium	100	1.00E+00	1.00E+02
3	Tetrachloroethene	100	1.00E+00	1.00E+02
3	Zinc	10	1.00E+00	1.00E+01
4	Aluminum	100	1.00E+00	1.00E+02
4	Barium	10000	1.00E+00	1.00E+04
4	Benzene	100	1.00E+00	1.00E+02

4	DDD	100	1.00E+00	1.00E+02
4	DDE	100	1.00E+00	1.00E+02
4	DDT	1000	1.00E+00	1.00E+03
4	Dichloroethane, 1,1-	10	1.00E+00	1.00E+01
4	Dichloroethylene, trans-1,2-	100	1.00E+00	1.00E+02
4	Endosulfan (I or II)	10000	1.00E+00	1.00E+04
4	Endrin	10000	1.00E+00	1.00E+04
4	Heptachlor	1000	1.00E+00	1.00E+03
4	Heptachlor epoxide	10000	1.00E+00	1.00E+04
4	Iron	100	1.00E+00	1.00E+02
4	Manganese	10000	1.00E+00	1.00E+04
4	Mercury	10000	1.00E+00	1.00E+04
4	Methylene chloride	10	1.00E+00	1.00E+01
4	Sodium	100	1.00E+00	1.00E+02
4	Tetrachloroethene	100	1.00E+00	1.00E+02
5	Aluminum	100	1.00E+00	1.00E+02
5	Barium	10000	1.00E+00	1.00E+04
5	Bis (2-ethylhexyl) phthalate	100	1.00E+00	1.00E+02
5	Chromium	10000	1.00E+00	1.00E+04
5	DDE	100	1.00E+00	1.00E+02
5	Iron	100	1.00E+00	1.00E+02
5	Manganese	10000	1.00E+00	1.00E+04
5	Methyl isobutyl ketone	100	1.00E+00	1.00E+02
5	Sodium	100	1.00E+00	1.00E+02
5	Tetrachloroethene	100	1.00E+00	1.00E+02
5	Zinc	10	1.00E+00	1.00E+01
6	Aluminum	100	1.00E+00	1.00E+02
6	Barium	10000	1.00E+00	1.00E+04
6	Iron	100	1.00E+00	1.00E+02
6	Manganese	10000	1.00E+00	1.00E+04
6	Sodium	100	1.00E+00	1.00E+02
7	Aluminum	100	1.00E+00	1.00E+02
7	Barium	10000	1.00E+00	1.00E+04
7	Bis (2-ethylhexyl) phthalate	100	1.00E+00	1.00E+02
7	DDE	100	1.00E+00	1.00E+02
7	Iron	100	1.00E+00	1.00E+02
7	Manganese	10000	1.00E+00	1.00E+04
7	Sodium	100	1.00E+00	1.00E+02
7	Tetrachloroethane, 1,1,2,2-	10	1.00E+00	1.00E+01
7	Trichloroethylene	10	1.00E+00	1.00E+01
8	Aluminum	100	1.00E+00	1.00E+02
8	Barium	10000	1.00E+00	1.00E+04
8	Bis (2-ethylhexyl) phthalate	100	1.00E+00	1.00E+02
8	Iron	100	1.00E+00	1.00E+02
8	Lindane	10000	1.00E+00	1.00E+04
8	Manganese	10000	1.00E+00	1.00E+04
8	Mercury	10000	1.00E+00	1.00E+04
8	Sodium	100	1.00E+00	1.00E+02
8	Zinc	10	1.00E+00	1.00E+01
9	Aluminum	100	1.00E+00	1.00E+02
9	Barium	10000	1.00E+00	1.00E+04

9	DDE	100	1.00E+00	1.00E+02
9	Iron	100	1.00E+00	1.00E+02
9	Lindane	10000	1.00E+00	1.00E+04
9	Manganese	10000	1.00E+00	1.00E+04
9	Sodium	100	1.00E+00	1.00E+02
9	Zinc	10	1.00E+00	1.00E+01
10	Aluminum	100	1.00E+00	1.00E+02
10	Dinitrotoluene, 2,4-	1000	1.00E+00	1.00E+03
10	Iron	100	1.00E+00	1.00E+02
10	Manganese	10000	1.00E+00	1.00E+04
10	Sodium	100	1.00E+00	1.00E+02
10	Trinitrobenzene, 1,3,5-	10000	1.00E+00	1.00E+04
10	Zinc	10	1.00E+00	1.00E+01

Toxicity/Mobility Value from Source Hazardous Substances:	0.00E+00
Toxicity/Mobility Value from Observed Release Hazardous Substances:	1.00E+04
Toxicity/Mobility Factor:	1.00E+04
Sum of Source Hazardous Waste Quantity Values:	2.82E+01
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	18

Population by Well

No.	Well ID	Sample Type	Distance (miles)	Level of Contamination	Population

- N/A and/or data not specified

Level I Population Factor: 0.00

Level II Population Factor: 0.00

Potential Contamination by Distance Category

Distance Category (miles)	Population	Value
> 0 to 1/4	114.0	1.64E+01
> 1/4 to 1/2	141.0	1.02E+01
> 1/2 to 1	1405.0	5.23E+01
> 1 to 2	4921.0	9.39E+01
> 2 to 3	6433.0	6.78E+01
> 3 to 4	1767.0	1.31E+01

Potential Contamination Factor: 254.000

Documentation for Target Population > 0 to 1/4 mile Distance Category:

Population was determined with a 7.5 minute topographic map. A protractor was used to apportion the distances from the area of the source to the drinking water well at Reilly Lake. The different mileages were calculated with an arch (180 degrees) and population was multiplied by 2. (Reference 6)

Reference: 6

Documentation for Target Population > 1/4 to 1/2 mile Distance Category:

See information referenced for 0 to 1/4 mile. (Reference 6)

Reference: 6

Documentation for Target Population > 1/2 to 1 mile Distance Category:

See information referenced for 0 to 1/4 mile. (reference 6)

Reference: 6

Documentation for Target Population > 1 to 2 miles Distance Category:

See information referenced for 0 to 1/4 mile. (Referece 6)

Reference: 6

Documentation for Target Population > 2 to 3 miles Distance Category:

See information referenced for 0 to 1/4 mile. (Reference 6)

Reference: 6

Documentation for Target Population > 3 to 4 miles Distance Category:

See information referenced for 0 to 1/4 mile. (Reference 6)

Reference: 6

Nearest Well

Level of Contamination: Potential
Distance in miles: 0.75

Nearest Well Factor: 9.00E+00

Documentation for Nearest Well:

See Reference 3

Reference: 3

Resources

Resource Use: YES

Resource Factor: 5.00E+00

Documentation for Resources:

Reilly Lake Well is supplied by the McClellan Aquifer. The water supply is located at a designated recreational area. (Reference 3)

Reference: 3

Wellhead Protection Area

No wellhead protection area

Wellhead Protection Area Factor: 0.00E+00

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Fort McClellan, OLF-3 - 08/31/92

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	9
2b. Runoff	25	2
2c. Distance to Surface Water	25	25
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	243
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	25
3c. Potential to Release by Flood (lines 3a x 3b)	500	250
4. Potential to Release (lines 2d+3c)	500	493
5. Likelihood of Release	550	493
Waste Characteristics		
6. Toxicity/Persistence	*	0.00E+00
7. Hazardous Waste Quantity	*	10
8. Waste Characteristics	100	0
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	5.00E+00
12. Targets (lines 9+10d+11)	**	5.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Fort McClellan, OLF-3 - 08/31/92

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	493
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	0.00E+00
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	1000	0
Targets		
18. Food Chain Individual	50	0.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	0.00E+00
19d. Population (lines 19a+19b+19c)	**	0.00E+00
20. Targets (lines 18+19d)	**	0.00E+00
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Fort McClellan, OLF-3 - 08/31/92

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	493
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	0.00E+00
24. Hazardous Waste Quantity	*	10
25. Waste Characteristics	1000	0
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	0.00E+00
26d. Sensitive Environments (lines 26a+26b+26c)	**	0.00E+00
27. Targets (line 26d)	**	0.00E+00
28. ENVIRONMENTAL THREAT SCORE	60	0.00
29. WATERSHED SCORE	100	0.00
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Fort McClellan, OLF-3 - 08/31/92

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Cambrian Rome Format		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	10
2c. Depth to Aquifer	5	5
2d. Travel Time	35	5
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	200
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	1.00E+04
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	18
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	5.00E+00
10. Targets (lines 7+8d+9)	**	5.00E+00
11. DRINKING WATER THREAT SCORE	100	0.60

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Fort McClellan, OLF-3 - 08/31/92

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	5.00E+08
14. Hazardous Waste Quantity	*	10
15. Waste Characteristics	1000	180
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Fort McClellan, OLF-3 - 08/31/92

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	5.00E+08
22. Hazardous Waste Quantity	*	10
23. Waste Characteristics	1000	180
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.60
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.60

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

SOIL EXPOSURE PATHWAY SCORESHEET
Fort McClellan, OLF-3 - 08/30/92

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	0
Waste Characteristics		
2. Toxicity	*	0.00E+00
3. Hazardous Waste Quantity	*	0
4. Waste Characteristics	100	0
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	0.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.

SOIL EXPOSURE PATHWAY SCORESHEET

Fort McClellan, OLF-3 - 08/30/92

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	0.00E+00
13. Area of Contamination	100	0.00E+00
14. Likelihood of Exposure	500	0.00E+00
Waste Characteristics		
15. Toxicity	*	0.00E+00
16. Hazardous Waste Quantity	*	0
17. Waste Characteristics	100	0
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	4.00E-01
20. Targets (lines 18+19)	**	1.40E+00
21. NEARBY POPULATION THREAT SCORE	**	0.00E+00
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

AIR PATHWAY SCORESHEET

Fort McClellan, OLF-3 - 08/30/92

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	0
2b. Particulate Potential to Release	500	0
2c. Potential to Release	500	0
3. Likelihood of Release	550	0
Waste Characteristics		
4. Toxicity/Mobility	*	0.00E+00
5. Hazardous Waste Quantity	*	0
6. Waste Characteristics	100	0
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	1.00E+01
8d. Population (lines 8a+8b+8c)	**	1.00E+01
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	0.00E+00
10c. Sens. Environments(lines 10a+10b)	***	0.00E+00
11. Targets (lines 7+8d+9+10c)	**	3.00E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	0.00E+00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.

REFERENCES

Fort McClellan, OLF-3 - 12/11/92

1. "Task Order 11, Enhanced Preliminary Assessment", Fort McClellan, Alabama, Roy F. Weston, Inc. Volume 1, December 1990.

2. "Site Investigation Report", Internal Draft, Fort McClellan, Alabama, SAIC, September 1992.

3. General Plan Map, Fort McClellan, Alabama, U.S. Army, Oct. 1976.

4. 40 CFR part 300, U.S. EPA, Hazard Ranking System, December 1990.

5. User's Manual for the Defense Priority Model, The Earth Technology Corporation and ERM Program Management Company, June 1991.

6. U.S. Geological Survey topographic map, Department of the Interior,

7. SAIC verbal communication with City of Weaver personnel, December 1992.