USEPA WORK ASSIGNMENT NO. 076-2JZZ USEPA CONTRACT NO. 68-W8-0110 FOSTER WHEELER ENVIRONMENTAL CORPORATION ARCS II PROGRAM

FINAL
SITE INSPECTION PRIORITIZATION (SIP)
GLENS FALLS LANDFILL
TOWN OF QUEENSBURY
WARREN COUNTY, NEW YORK
CERCLIS NO.: NYD980506620

APRIL 1996

VOLUME III OF III

NOTICE

THE INFORMATION PROVIDED IN THIS DOCUMENT HAS BEEN FUNDED BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) UNDER ARCS II CONTRACT NO. 68-W8-0110 TO FOSTER WHEELER ENVIRONMENTAL CORPORATION (FORMERLY EBASCO SERVICES INCORPORATED). THIS DOCUMENT HAS BEEN FORMALLY RELEASED BY FOSTER WHEELER ENVIRONMENTAL CORPORATION TO THE USEPA. THIS DOCUMENT DOES NOT REPRESENT, HOWEVER, THE USEPA POSITION OR POLICY, AND HAS NOT BEEN FORMALLY RELEASED BY THE USEPA.

RECOMMENDATIONS

The overall Hazard Ranking Score (HRS) for the Glens Falls Landfill site is 1.22. The groundwater, surface water, soil exposure and air pathways were evaluated on a potential-to-release basis.

The groundwater pathway score is 1.30 evaluated on a potential-to-release basis. There are monitoring wells located adjacent to the landfill for the purpose of permanently monitoring the PCB containing landfill located to the east of the site. Groundwater flow is to the east to southeast towards the adjacent PCB landfill. Evaluation of the groundwater data relative to the Glens Falls site alone indicates no hazardous constituents significantly above background. Contaminants in the well influenced by the PCB landfill were used to present a worst-case scenario for the Glens Falls Landfill. There is an approximate total population of 13,920 persons utilizing groundwater within four miles of the site. The remaining population relies on surface water sources not part of the surface water pathway.

The surface water pathway score is 1.22 for overland flow and 0.03 for the groundwater to surface water component. This pathway was evaluated on a potential-to-release basis. Surface flow is to the west and north via a dry drainage ditch to the Halfway Creek probable points-of-entry one mile overland and north of the site. The drainage ditch is the stormwater runoff control for the adjacent highway Interstate Route 87. Stormwater runoff along this drainage ditch is expected to potentially contribute contamination of any leaked product being conveyed on the highway, as well as vehicular petroleum-related contaminants. Halfway Creek discharges to the Champlain Barge Canal at a point approximately 14 miles downstream. Surface water is not used as a drinking water source either on Halfway Creek or the Champlain Barge Canal. Only Halfway Creek is characterized as a potential habitat supportive of fishing and drinking water supply. The wetland frontage along the 15-mile surface water pathway consists of 6.5 miles and is located only along the 14-mile reach of Halfway Creek. The nearest sensitive environment in the surface water pathway occurs at the beginning of Halfway Creek.

The soil exposure pathway score is 0.00 based on the lack of any documented areas of surficial soil contamination. There are no schools or day-care centers within 200 feet of the site. There are no nearby residents, and no evidence of site-related contamination reaching a residential property. There are no full-time on-site workers. There are approximately 5,134 residents within one mile of the site. Access to the site is somewhat limited by the landfill location: an interstate highway borders the site on the west, and other controlled facilities (waste transfer station, two NYSDEC controlled sites, and small industry) limit access to the south and southeast. The east and northern borders are open, but not easily accessible due to the rural nature of the area and overgrown brush.

The air pathway score is 1.66 evaluated on a potential-to-release basis. There are approximately 42,184 people within a 4-mile radius of the site. There are 13 sensitive environments supportive of federally or state-designated threatened or endangered species, and approximately 1,310 acres of wetlands within four miles of the site.

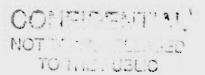
A sensitivity analysis was performed to determine if another scenario would affect the site score and to assess the impact of an observed release and if actual contamination of targets were to

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occur. Only the groundwater and surface water pathways were considered in this exercise. The soil exposure and air pathways were not evaluated further due to the lack of documented surficial contamination or air releases.

- Using the Phase II analytical data that indicated contamination in the monitoring well downgradient of the two PCB sources as a potential site contaminant produced the abovementioned score. To carry the process further and document a Level I release to the downgradient well, causes the pathway score to increase to 49.92, and the overall site score to increase to 24.98. However, there is no documented evidence to suggest that PCBs were deposited and subsequently migrated downgradient. This is proven by the low concentration in the northernmost downgradient well, which is away from other PCB-containing sources.
- 2. Utilizing PCBs again as a potential contaminant in the surface water pathway as a Level 1 release in a sediment sample increases the surface water pathway score to 100.00, and the overall site score to 50.01. Again, as discussed above, no evidence of PCB contamination is present for the landfill. Also, due to the chemical properties of PCBs and their slow mobility rate in soil migration, it is unlikely for sediments in Halfway Creek more than one mile distance to become contaminated with site-related PCBs. In addition, one mile of potential contribution by the interstate highway stormwater runoff would have to be characterized for its contribution.

Based on the existing information and the sensitivity analysis, a finding of No Further Remedial Action Planned (NFRAP) is recommended for the Glens Falls Landfill site.



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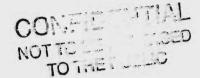
Record Information

- 1. Site Name: Glens Falls Landfill (as entered in CERCLIS)
- 2. Site CERCLIS Number: NYD980506620
- 3. Site Reviewer: D. J. Place
- 4. Date: February, 1996
- Site Location: Queensbury / Warren, New York (City/County, State)
- 6. Congressional District: 24
- 7. Site Coordinates: Single

Latitude: 43 18'16.5" Longitude: 073 40'34.8"

Site Description

- 1. Setting: Suburban
- 2. Current Owner: Municipal
- 3. Current Site Status: Inactive
- 4. Years of Operation: Inactive Site, from and to dates: 1961 to 1977
- 5. How Initially Identified: State/Local Program
- 6. Entity Responsible for Waste Generation:
 - Landfill
 - Municipal
- 7. Site Activities/Waste Deposition:
 - Municipal Landfill



PAGE:

Waste Description

- 8. Wastes Deposited or Detected Onsite:
 - Municipal Waste

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: 5134.0
- 14. Residential Population Within 4 Miles: 42184.0

Water Use Information

- 15. Local Drinking Water Supply Source:
 - Ground Water (within 4 mile distance limit)
- 16. Total Population Served by Local Drinking Water Supply Source:

17. Drinking Water Supply System Type for Local Drinking

Water Supply Sources:

- Municipal (Services over 25 People)

- Private

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- 18. Surface Water Adjacent to/Draining Site:
 - Other Drainage ditch along Route 87.

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 Site Name: Glens Falls Landfill (as entered in CERCLIS)

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Site Location: Queensbury / Warren, New York (City/County, State)

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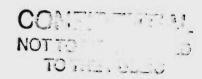
7. Site Coordinates: Single

Latitude: 43 18'16.5" Longitude: 073 40'34.8"

	Score
Ground Water Migration Pathway Score (Sgw)	1.30
Surface Water Migration Pathway Score (Ssw)	1.22
Soil Exposure Pathway Score (Ss)	0.00
Air Migration Pathway Score (Sa)	1.66
Site Score	1.22

NOTE

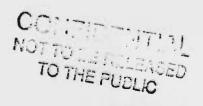
EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities 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.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER MIGRATION PATHWAY SCORESHEET Glens Falls Landfill - 02/09/96

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Bedrock Aquifer		
1. Observed Release	550	0
2. Potential to Release		1.0
2a. Containment 2b. Net Precipitation	10	10
2c. Depth to Aquifer	5	6
2d. Travel Time	35	35
<pre>2e. Potential to Release [lines 2a(2b+2c+2d)]</pre>	500	440
3. Likelihood of Release	550	460
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E-02
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	1
Targets	V	
7. Nearest Well 8. Population	50	5.00E+00
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	9.50E+01
8d. Population (lines 8a+8b+8c)	**	9.50E+01
9. Resources	5	0.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	1.00E+02
.2. Targets (including overlaying aquifers)	100	2.34E+02 1.30
GROUND WATER MIGRATION PATHWAY SCORE (Sqw)	100	1.30

^{*} Maximum value applies to waste characteristics category.



^{**} Maximum value not applicable.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Glens Falls Landfill - 02/09/96

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release	7000 esses 10	Mana
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	1
2c. Distance to Surface Water	25	6
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)] 3. Potential to Release by Flood	500	70
3a. Containment (Flood)	10	0
3b. Flood Frequency	50	0
3c. Potential to Release by Flood (lines 3a x 3b)	500	Ö
4. Potential to Release (lines 2d+3c)	500	70
5. Likelihood of Release	550	70
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	100
8. Waste Characteristics	100	32
Targets		
9. Nearest Intake 10. Population	50	0.00E+00
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	0.14

^{*} Maximum value applies to waste characteristics category.

^{**} Maximum value not applicable.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Glens Falls Landfill - 02/09/96

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	70
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation 16. Hazardous Waste Quantity 17. Waste Characteristics	* * 1000	5.00E+08 100 320
Targets		
18. Food Chain Individual 19. Population	50	2.00E+00
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	6.00E-04
19d. Population (lines 19a+19b+19c)	**	6.00E-04
20. Targets (lines 18+19d)	**	2.00E+00
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.54

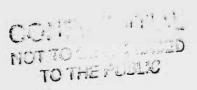
^{*} Maximum value applies to waste characteristics category.

^{**} Maximum value not applicable.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Glens Falls Landfill - 02/09/96

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	70
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc. 24. Hazardous Waste Quantity 25. Waste Characteristics	* * 1000	5.00E+08 100 320
Targets		
26. Sensitive Environments 26a. Level I Concentrations 26b. Level II Concentrations 26c. Potential Contamination 26d. Sensitive Environments (lines 26a+26b+26c) 27. Targets (line 26d)	** ** ** **	0.00E+00 0.00E+00 2.00E+00 2.00E+00
28. ENVIRONMENTAL THREAT SCORE	60	0.54
29. WATERSHED SCORE	100	1.22
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	1.22

^{*} Maximum value applies to waste characteristics category.

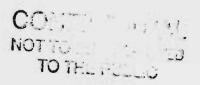


^{**} Maximum value not applicable.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET Glens Falls Landfill - 02/09/96

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Unconsolidated Aquif		
1. Observed Release 2. Potential to Release	550	0
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	2.5
2d. Travel Time 2e. Potential to Release	35	35
[lines 2a(2b+2c+2d)]	500	460
3. Likelihood of Release	550	460
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	2.00E-02
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	
Targets		
7. Nearest Intake 8. Population	50	0.00E+00
8a. Level I Concentrations	**	0.00E+0
8b. Level II Concentrations	**	0.00E+0
8c. Potential Contamination	**	0.00E+0
8d. Population (lines 8a+8b+8c)	** 5	0.00E+0
9. Resources	5	5.00E+0
.0. Targets (lines 7+8d+9)		J.00E+0
1. DRINKING WATER THREAT SCORE	100	0.03

^{*} Maximum value applies to waste characteristics category.



^{**} Maximum value not applicable.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET Glens Falls Landfill - 02/09/96

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	460
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc. 14. Hazardous Waste Quantity 15. Waste Characteristics	* * 1000	1.00E+02 100 10
Targets		
16. Food Chain Individual 17. Population	50	0.00E+00
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

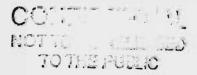
^{*} Maximum value applies to waste characteristics category.

^{**} Maximum value not applicable.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET Glens Falls Landfill - 02/09/96

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	460
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc. 22. Hazardous Waste Quantity 23. Waste Characteristics	* * 1000	1.00E+02 100 10
Targets		
24. Sensitive Environments 24a. Level I Concentrations 24b. Level II Concentrations 24c. Potential Contamination 24d. Sensitive Environments (lines 24a+24b+24c) 25. Targets (line 24d)	** ** ** **	0.00E+00 0.00E+00 0.00E+00 0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.03
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.03

^{*} Maximum value applies to waste characteristics category.



^{**} Maximum value not applicable.

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PREscore 3.0 - PRESCORE.TCL File 07/25/94 SOIL EXPOSURE PATHWAY SCORESHEET Glens Falls Landfill - 02/09/96

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 3. Hazardous Waste Quantity 4. Waste Characteristics	* * 100	0.00E+00 0 0
Targets		
5. Resident Individual 6. Resident Population	50	0.00E+00
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 10. Targets (lines 5+6c+7+8+9)	**	0.00E+00 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.

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PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SOIL EXPOSURE PATHWAY SCORESHEET Glens Falls Landfill - 02/09/96

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility 13. Area of Contamination 14. Likelihood of Exposure	100 100 500	0.00E+00 0.00E+00 0.00E+00
Waste Characteristics	2.5.2.5	
15. Toxicity 16. Hazardous Waste Quantity 17. Waste Characteristics	* * 100	0.00E+00 0 0
Targets		
18. Nearby Individual 19. Population Within 1 Mile 20. Targets (lines 18+19)	1 **	1.00E+00 4.00E+00 5.00E+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.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY SCORESHEET Glens Falls Landfill - 02/09/96

Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release	500	
2a. Gas Potential to Release 2b. Particulate Potential to Release	500	220 280
2c. Potential to Release	500	280
3. Likelihood of Release	550	280
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E+02
5. Hazardous Waste Quantity	*	100
6. Waste Characteristics	100	10
Targets		
7. Nearest Individual 8. Population	50	2.00E+01
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	2.80E+01
8d. Population (lines 8a+8b+8c)	**	2.80E+01
9. Resources	5	0.00E+00
.0. Sensitive Environments	***	0 000.00
10a. Actual Contamination 10b. Potential Contamination	***	0.00E+00 1.00E+00
10c. Sens. Environments(lines 10a+10b)	***	1.00E+00
1. Targets (lines 7+8d+9+10c)	**	4.90E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	1.66E+00

^{*} Maximum value applies to waste characteristics category.

^{**} Maximum value not applicable.

^{***} No specific maximum value applies, see HRS for details.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 12 WASTE QUANTITY

Glens Falls Landfill - 02/09/96

WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Landfill

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

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2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

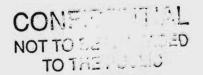
a. Source ID	Landfill	
b. Source Type	Landfill	
c. Secondary Source Type	N.A.	
d. Source Vol.(yd3/gal) Source Area (ft2)	0.00	609840.00
e. Source Volume/Area Value	1.79E+02	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00	
g. Data Complete?	NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00	
i. Data Complete?	NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	1.79E+02	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Nickel PCBs	> 2 > 2	NO NO	0.0E+00 0.0E+00	ppm
Zinc	> 2	NO	0.0E+00	ppm

Documentation for Source Type:

Available documentation indicates that the surrounding towns operated a former municipal landfill at the property.

Reference: 12, pp. 1-73 of 73; 13, pp. 1-320 of 320.



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Documentation for Source Hazardous Substances:

No soil samples were collected from the landfill proper area. As a conservative evaluation of the landfills effect, a review of groundwater results used to monitor the adjacent two NYDEC listed sites contaminated (and known to contain sources of PCBs) was conducted. Three constituents were identified (PCBs, zinc, and nickel) as present in the two downgradient monitoring wells east of the landfill. As PCBs were allegedly deposited in the landfill, the low concentration in the northern downgradient well (and furthest from the adjacent PCB landfill site) indicates that the nearby PCB sources contribute a considerable PCB loading to groundwater not similarly seen from the municipal landfill.

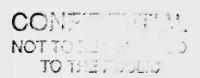
Therefore these constituent were evaluated to provide a worst case scenario relative to the Glen Falls landfill in the absence of any available documentation of hazardous waste being deposited on the site.

Reference: 13, pp. 16, 40, 41, and 45 of 320.

Documentation for Source Area:

The area landfilled is estimated to be 14 acres or 609,840 square feet.

Reference: 13, p. 5 of 320.



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WASTE QUANTITY

Glens Falls Landfill - 02/09/96

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No. Source ID		Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1 Landfill	GW-SW-A	1.79E+02	0.00E+00	1.79E+02

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Value	es	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility	2.00E-02	100	1
SW: Overland Flow, DW	Tox./Persistence	1.00E+04	100	32
SW: Overland Flow, HFC	Tox./Persis./Bioacc.	5.00E+08	100	320
SW: Overland Flow, Env	Etox./Persis./Bioacc.	5.00E+08	100	320
SW: GW to SW, DW	Tox./Persistence	2.00E-02	100	1
SW: GW to SW, HFC	Tox./Persis./Bioacc.	1.00E+02	100	10
SW: GW to SW, Env	Etox./Persis./Bioacc.	1.00E+02	100	10
Soil Exposure:Resident	Toxicity	0.00E+00	0	0
Soil Exposure: Nearby	Toxicity	0.00E+00	0	0
Air	Toxicity/Mobility	2.00E+02	100	10

* 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

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PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY AQUIFER SUMMARY Glens Falls Landfill - 02/09/96

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No. Aquifer ID	Туре	Overlaying No.	Inter- Connected with	Likelihood of Release	Targets
1 Unconsolidated Aquif 2 Bedrock Aquifer	Non Non		0	460 460	1.69E+02 2.34E+02

Containment

No. Source ID HWQ Value Containment Value

1 Landfill 1.79E+02 10

Containment Factor 10

Documentation for Ground Water Containment, Source Landfill:

Only soil to support vegatative growth was installed on top of the landfill. During an inspection performed after installation, exposed landfilled materials were noted. No further remediation has been performed.

Reference: 13, p. 30 of 320; 16, p. 2 of 7.

Net Precipitation

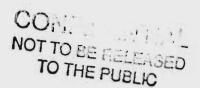
Net Precipitation (inches)

21

Documentation for Net Precipitation:

Net precipitation was calculated by subtracting the evaporation for the area from the net precipitation for the area provided in Ref. 27.

Reference: 27, pp. 5 and 6 of 13.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 18
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Unconsolidated Aquifer AQUIFER
Glens Falls Landfill - 02/09/96

Aquifer: Unconsolidated Aquifer

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

Documentation for Unconsolidated Aquifer Aquifer:

Boring logs, and geological and soil references, indicate that the surficial material at the site consists of mostly fine sand. The unconsolidated aquifer materials were deposited by glacial lakes. The aquifer is approximately 120 feet thick, 15 miles long and 9 miles wide at its maximum point.

Reference: 13, pp. 35 of 320; 27, p. 7 of 13.

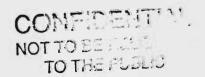
OBSERVED RELEASE

No. Well ID Well Type (miles) Level of Contamination

- N/A and/or data not specified

Observed Release Factor

(



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 19
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Unconsolidated Aquifer AQUIFER
Glens Falls Landfill - 02/09/96

POTENTIAL TO RELEASE

Containment

Containment Factor

10

Net Precipitation

Net Precipitation Factor

6

Depth to Aquifer

A. Depth of Hazardous Substances

17.00

feet

Documentation for Depth of Hazardous Substances:

The deepest known point (depth) of contamination is from the results of analysis of the soil sample obtained from MW-101 at the 15-17 foot level.

Reference: 13, p. 39 of 320.

B. Depth to Aquifer from Surface

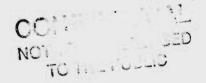
0.00

feet

Documentation for Depth to Aquifer from Surface :

The aquifer at the site which has been evaluated is the unconsolidated aquifer found at ground surface. It is composed of glacial lake deposits which consist mostly of fine sands.

Reference: 13, p. 35 of 320.



PREscore 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Unconsolidated Aquifer AQUIFER Glens Falls Landfill - 02/09/96

C. Depth to Aquifer (B - A)

0.00 feet

Depth to Aquifer Factor

5

Travel Time

Are All Layers Karst?

NO

Documentation for Karst Layers:

No information reviewed indicates Karst layers in the area of the site. In addition the thickness of the unconsolidated aquifer is estimated to be 120 feet.

Reference: 13, pp. 34 and 35 of 320.

Thickness of Layer(s) with Lowest Conductivity 0.00

feet

Documentation for Thickness of Layers with Lowest Conductivity:

The landfilled materials at the site have been mounded to approximately 40 feet above original ground surface. The depth to the top of the water table in the unconsolidated aquifer averages 14 feet below ground surface.

Reference: 13, pp. 29 and 36 of 320.

Hydraulic Conductivity (cm/sec)

0.0E-00



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 21
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Unconsolidated Aquifer AQUIFER
Glens Falls Landfill - 02/09/96

Documentation for Hydraulic Conductivity:

The landfilled materials at the site have been mounded to approximately 40 feet above ground surface. The depth to the top of the water table in the unconsolidated aquifer averages 14 feet below ground surface. Consequently, possible sources of contamination are below the top of the water table.

Reference: 13, pp. 29 and 36 of 320.

Travel Time Factor

35

Potential to Release Factor 460

22

Aquifer: Bedrock Aquifer

Type of Aquifer: Non Karst

Overlaying Aquifer: 1

Interconnected with: 1

Documentation for Bedrock Aquifer Aquifer:

The top of the bedrock aquifer is approximately 120 feet below ground surface and is reported to be either shale or limestone in the vicinity of the site.

Reference: 13, pp. 34 and 35 of 320.

OBSERVED RELEASE

No. Well ID Well Type (miles) Level of Contamination

- N/A and/or data not specified

Observed Release Factor

(



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Bedrock Aquifer AQUIFER Glens Falls Landfill - 02/09/96

POTENTIAL TO RELEASE

Containment

Containment Factor

10

Net Precipitation

Net Precipitation Factor

6

Depth to Aquifer

A. Depth of Hazardous Substances

17.00 feet

Documentation for Depth of Hazardous Substances:

The deepest known point (depth) of contamination is from the results of analysis of the soil sample obtained from MW-101 at the 15-17 foot level.

Reference: 13, p. 39 of 320.

B. Depth to Aquifer from Surface

120.00 feet

Documentation for Depth to Aquifer from Surface :

Th top of the bedrock aquifer is reported to be 120 below ground surface.

Reference: 13, pp. 34 and 35 of 320.

C. Depth to Aquifer (B - A)

103.00 feet

NOTE TO THE

Depth to Aquifer Factor

3

Travel Time

Are All Layers Karst?

NO

Documentation for Karst Layers:

No information reviewed indicates Karst layers in the area of the site.

Reference: 13, pp. 34 and 35 of 320.

Thickness of Layer(s) with Lowest Conductivity

103.00 feet

24

Documentation for Thickness of Layers with Lowest Conductivity:

The depth to the top of the water table is approximately 14 feet below ground surface. The reported depth to bedrock is 120 feet below ground surface. No layer has been reported to exist between the unconsolidated aquifer and the bedrock aquifer in the area around the site.

Reference: 13, pp. 34, 35 and 36 of 320.

Hydraulic Conductivity (cm/sec)

1.0E-02

Documentation for Hydraulic Conductivity:

An approximation of permeability was calculated during the Phase II investigation.

Reference: 13, p. 36 of 320.

COMEDENTIAL

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 25
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Bedrock Aquifer AQUIFER
Glens Falls Landfill - 02/09/96

Travel Time Factor

35

Potential to Release Factor 440

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

Source: 1 Landfill

Source Hazardous Waste Quantity Value: 179.36

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value	
Nickel	100	2.00E-05	2.00E-03	
PCBs	10000	2.00E-07	2.00E-03	
Zinc	10	2.00E-03	2.00E-02	

PAGE:

26

PREscore 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96 PAGE:

27

Hazardous Substances Found in an Observed Release

Well Observed Release No. Hazardous Substance Toxicity Mobility Toxicity/ Value Value Mobility

Value

- N/A and/or data not specified

Toxicity/Mobility Value from Source Hazardous Substances: 2.00E-02
Toxicity/Mobility Value from Observed Release Hazardous
Substances: 0.00E+00
Toxicity/Mobility Factor: 2.00E-02
Sum of Source Hazardous Waste Quantity Values: 1.79E+02
Hazardous Waste Quantity Factor: 100

Waste Characteristics Factor Category:

PREscore 3.0 - PRESCORE.TCL File 07/25/94

GROUND WATER PATHWAY WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

PAGE:

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1

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Population by Well

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

- N/A and/or data not specified

Level I Population Factor: 0.00

Level II Population Factor: 0.00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER PATHWAY TARGETS FOR AQUIFER Unconsolidated Aquifer Glens Falls Landfill - 02/09/96

Potential Contamination by Distance Category

Distance Category (miles)	Population	Value
> 0 to 1/4	13.0	1.70E+00
> 1/4 to 1/2	39.0	3.30E+00
> 1/2 to 1	149.0	5.20E+00
> 1 to 2	1369.0	2.94E+01
> 2 to 3	4317.0	6.78E+01
> 3 to 4	4228.0	4.17E+01

Potential Contamination Factor:

149.000

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

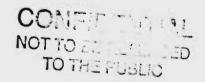
Population served by drinking water wells is based on Ref. 4 for population supplied by private wells and on information provided by NYSDOH for community wells. It has been assumed that all private wells were completed in the upper unconsolidated aquifer. Ref. 4 computed the population on private wells using the Census Bureau's 1990 STF-3A files by the formula: ((Drilled Wells + Dug Wells) / Households) * Population.No community wells were reported by NYSDOH for this distance from the site.

Reference: 4, p. 9 of 9; 20, pp. 1-13 of 13; 30, p. 1 of 1.

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

Population served by drinking water wells is based on Ref. 4 for population supplied by private wells and on information provided by NYSDOH for community wells. It has been assumed that all private wells were completed in the upper unconsolidated aquifer. Ref. 4 computed the population on private wells using the Census Bureau's 1990 STF-3A by the formula: ((Drilled Wells + Dug Wells) / Households) * Population.No community wells were reported by NYSDOH for this distance from the site.

Reference: 4, p. 9 of 9; 20, pp. 1 -13 of 13; 30, p. 1 of 1.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE GROUND WATER PATHWAY TARGETS FOR AQUIFER Unconsolidated Aquifer Glens Falls Landfill - 02/09/96

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

Population served by drinking water wells is based on Ref. 4 for population supplied by private wells and on information provided by NYSDOH for community wells. It has been assumed that all private wells were completed in the upper unconsolidated aquifer. Ref. 4 computed the population on private wells using the Census Bureau's 1990 STF-3A files by the formula: ((Drilled Wells + Dug Wells) / Households) * Population. No community wells were reported for this distance from the site.

Reference: 4, p. 8 of 9; 20, pp 1 - 13 of 13; 30, p. 1 of 1.

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

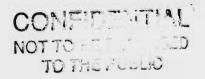
Population served by drinking water wells is based on Ref. 4 for private wells and on information provided by NYSDOH for community wells. It has been assumed that all private wells were completed in the upper unconsolidated aquifer. Ref. 4 computed the population on private wells using the Census Bureau's 1990 STF-3A files by the formula: ((Drilled Wells + Dug Wells) / Households) * Population. NYSDOH reports that 1,369 people are supplied by community wells completed in the unconsolidated aquifer and located 1 - 2 miles from the site.

Reference: 4, p. 8 of 9; 20, p. 1 - 13 of 13; 30, p. 1 of 1.

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

Population served by drinking water wells is based on Ref. 4 for population supplied by private wells and on information provided by NYSDOH for community wells. It has been assumed that all private wells were completed in the upper unconsolidated aquifer. Ref. 4 computed the population on private wells using the Census Bureau's 1990 STF-3A files by the formula: ((Drilled Wells + Dug Wells) / Households) * Population. NYSDOH reports that 2,783 people are supplied by community wells completed in the upper unconsolidated aquifer and located 2 - 3 miles from the site.

Reference: 4, p. 8 of 9; 20, pp. 1 -13 of 13; 30, p. 1 of 1.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE GROUND WATER PATHWAY TARGETS FOR AQUIFER Unconsolidated Aquifer Glens Falls Landfill - 02/09/96

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

Population served by drinking water wells is based on Ref. 4 for population supplied by private wells and on information provided by NYSDOH for community wells. It has been assumed that all private wells were completed in the upper unconsolidated aquifer. Ref. 4 computed the population on private wells based on the Census Bureau's 1990 STF-3A files by the formula: ((Drilled Wells + Dug Wells) / Households) * Population. NYSDOH reports that 2,561 people are supplied by community wells completed in the upper unconsolidated aquifer and located 3 - 4 miles from the site.

Reference: 4, p. 8 of 9; 20, pp. 1 - 13; 30, p. 1 of 1.

Nearest Well

Level of Contamination: Potential

Distance in miles: 0.13

Nearest Well Factor: 2.00E+01

Documentation for Nearest Well:

Residence wells referred to as Houses 21 and 23 in the Phase II report were used as a source of drinking water. During an interview performed by Ebasco with one of the residences, it was ascertained that these wells are no longer used as a source of drinking water. As the Census information cannot determine the exact location of the nearest private potable well, the 0.133 mile distance to these wells will be used as the most conservative value for this evaluation.

Reference: 13, pp. 31 and 32 of 320; 16, p. 2 of 7.

Resources

Resource Use: NO

Resource Factor: 0.00E+00

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PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE GROUND WATER PATHWAY TARGETS FOR AQUIFER Unconsolidated Aquifer Glens Falls Landfill - 02/09/96

Documentation for Resources:

Groundwater has not definitively been determined to be used as a resource.

Reference: 16, p. 2 of 7.

Wellhead Protection Area

No wellhead protection area

Wellhead Protection Area Factor: 0.00E+00

Documentation for Wellhead Protection Area:

No formal WPA has been designated for the area.

Reference: 21, p. 1 of 1; 22, p. 7 - 12 of 18.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER PATHWAY TARGETS FOR AQUIFER Bedrock Aquifer Glens Falls Landfill - 02/09/96

Population by Well

Distance Level of

No. Well ID Sample Type (miles) Contamination Population

- N/A and/or data not specified

Level I Population Factor: 0.00

Level II Population Factor: 0.00

34

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER PATHWAY TARGETS FOR AQUIFER Bedrock Aquifer Glens Falls Landfill - 02/09/96

Potential Contamination by Distance Category

Distance Category (miles)	Population	Value	
> 0 to 1/4	0.0	0.00E+00	
> 1/4 to 1/2	0.0	0.00E+00	
> 1/2 to 1	0.0	0.00E+00	
> 1 to 2	3700.0	9.39E+01	
> 2 to 3	0.0	0.00E+00	
> 3 to 4	105.0	1.30E+00	

Potential Contamination Factor:

95.000

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

It has been assumed that all private wells were completed in the upper unconsolidated aquifer. NYSDOH reports no community wells completed in the bedrock aquifer for this distance from the site.

Reference: 20, p. 1 - 13; 30, p. 1 of 1.

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

It has been assumed that all private wells were completed in the upper unconsolidated aquifer. NYSDOH reports no community wells completed in the bedrock aquifer for this distance from the site.

Reference: 20, pp. 1 - 13 of 13; 30, p. 1 of 1.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGEOUND WATER PATHWAY TARGETS FOR AQUIFER Bedrock Aquifer Glens Falls Landfill - 02/09/96

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

It has been assumed that all private wells were completed in the upper unconsolidated aquifer. NYSDOH reports no community wells completed in the bedrock aquifer for this distance from the site.

Reference: 20, pp. 1 - 13 of 13; 30, p. 1 of 1.

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

It has been assumed that all private wells were completed in the upper unconsolidated aquifer. NYSDOH reports that the community of South Glens Falls uses groundwater from the bedrock aquifer extracted from wells located approximately 1.9 miles from the site.

Reference: 20, pp. 1 - 13 of 13; 30, p. 1 of 1.

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

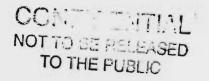
It has been assumed that all private wells were completed in the upper unconsolidated aquifer. NYSDOH reports no community wells completed in the bedrock aquifer for this distance from the site.

Reference: 20, pp. 1 - 13 of 13; 30, p. 1 of 1.

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

It has been assumed that all private wells were completed in the upper unconsolidated aquifer. NYSDOH reports that the town of Fort Edwards uses groundwater from the bedrock aquifer extracted by wells located approximately 3.8 miles from the site.

Reference: 20, pp. 1 - 13 of 13; 30, p. 1 of 1.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 P GROUND WATER PATHWAY TARGETS FOR AQUIFER Bedrock Aquifer Glens Falls Landfill - 02/09/96

Nearest Well

Level of Contamination: Potential

Distance in miles: 1.90

Nearest Well Factor: 5.00E+00

Documentation for Nearest Well:

NYSDOH reports that South Glens Falls community wells are completed in the bedrock aquifer.

Reference: 30, p. 1 of 1.

Resources

Resource Use: NO

Resource Factor: 0.00E+00

Documentation for Resources:

No documentation is available to indicate that the bedrock aquifer is being used as a resource.

Reference: 16, p. 2 of 7.

Wellhead Protection Area

No wellhead protection area

Wellhead Protection Area Factor: 0.00E+00

COMPLETENTIAL NOT TO SE RELEASED TO THE PUBLIC

37

Documentation for Wellhead Protection Area:

No formal WPA has been designated for this area.

Reference: 21, p. 1 of 1; 22, p. 7 - 12 of 18.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SURFACE WATER PATHWAY SEGMENT SUMMARY Glens Falls Landfill - 02/09/96

PAGE:

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No. Segment ID	Segment Type	Water Type	Start Point (mi)	End Point (mi)	Average Flow (cfs)
1 Halfway Creek	River	Fresh	0.00	14.21	10
2 Champlain Canal	River	Fresh	14.21	15.00	

Documentation for segment: Halfway Creek:

No flow gages are present on Halfway Creek. Flow rate is an estimated value provided as part of Ref. 27.

Reference: 24, p. 1 of 1; 27, p. 11 of 13.

Documentation for segment: Champlain Canal:

Flow rate is an estimated value provided as part of Ref. 27.

Reference: 27, p. 11 of 13.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 40 SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE Glens Falls Landfill - 02/09/96

OBSERVED RELEASE

No. Sample ID Sample Type Distance Level of Contamination (miles) DW HFC Env

- N/A and/or data not specified

Observed Release Factor 0

OCT TO THE PUBLIC

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 41
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Glens Falls Landfill - 02/09/96

POTENTIAL TO RELEASE

Potential to Release by Overland Flow

Containment

No. Source ID HWQ Value Containment Value

1 Landfill 1.79E+02 10

Containment Factor: 10

Documentation for Overland Flow Containment, Source Landfill:

Only soil to support vegetative growth was installed on top of the landfill. During an inspection performed after installation, exposed landfill material was noted. No further remediation has been performed.

Reference: 13, p. 30 of 320; 16, p. 2 of 7.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 42
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Glens Falls Landfill - 02/09/96

Distance to Surface Water

Distance to Surface Water:

5280.0 feet

Distance to Surface Water Factor:

6

Documentation for Distance to Surface Water:

Distance to the nearest surface water was based on the USGS Glens Falls, NY topographic quadrangle map. At the time of the off-site investigation performed by Ebasco, the drainage ditch along Interstate Route 87 was dry and appears to be an intermittent stream. Consequently, the PPE for the site is on Halfway Creek.

Reference: 6, p. 1 of 1; 16, 1 of 7.

Runoff

A. Drainage Area:

14.0 acres

Documentation for Drainage Area:

Estimated area landfilled is 14 acres.

Reference: 13, p. 5 of 320.

B. 2-year, 24-hour Rainfall:

3.0 inches



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 43
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Glens Falls Landfill - 02/09/96

Documentation for Rainfall:

Source for value is Technical Paper No. 40, Rainfall Frequency Atlas of the United States.

Reference: 11, p. 2 of 2.

C. Soil Group: B
Medium-textured soils with moderate infiltration rates

Documentation for Soil Group:

The soil in the area has been designated by the USAD as the Oakville loamy fine sand and Udorthents, smoothed. The soil borings installed during the Phase II investigation confirmed the Oakville classification off of the landfill proper.

Reference: 26, pp. 2-6 of 6; 13, p. 35 of 320.

Runoff Factor: 1

Potential to Release by Overland Flow Factor: 70





PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 44
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Glens Falls Landfill - 02/09/96

Potential to Release by Flood

Flood Flood Potential Containment Frequency to Release No. Source ID HWQ Value Value Value by Flood

- N/A and/or data not specified

Potential to Release by Flood Factor: 0

Documentation for Flood Containment, Source Landfill:

Only soil to support vegetative growth was installed on top of the landfill. During an inspection of the site after the installation, exposed landfilled materials were noted. No further remediation has been performed.

Reference: 13, p. 30 of 320; 16, p. 2 of 7.

Documentation for Flood Frequency, Source Landfill:

The site is located in an area of minimal flooding, greater than the 500 year flood plain.

Reference: 5, pp. 2 and 3 of 3.

TO TO

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 45
SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

Source: 1 Landfill

Source Hazardous Waste Quantity Value: 179.36

Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
Nickel	100	1.00E+00	1.00E+02
PCBs	10000	1.00E+00	1.00E+04
Zinc	10	1.00E+00	1.00E+01

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 46 SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

Hazardous Substances Found in an Observed Release

Sample Observed Release No. Hazardous Substance

Toxicity Persistence Toxicity/

Value Value Persistence Value

- N/A and/or data not specified

1 ...

Toxicity/Persistence Value from Source Hazardous Substances:	1.00E+04
Toxicity/Persistence Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Persistence Factor:	1.00E+04
Sum of Source Hazardous Waste Quantity Values:	1.79E+02
Hazardous Waste Quantity Factor:	100
Waste Characteristics Factor Category:	32

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 48
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS
Glens Falls Landfill - 02/09/96

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 49
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS
Glens Falls Landfill - 02/09/96

Level I Concentrations

Distance Along the

In-water Segment from the

Intake

Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level I Intakes:

0.0

Level I Population Factor: 0.00E+00

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS Glens Falls Landfill - 02/09/96

Level II Concentrations

Distance Along the

In-water Segment from the Intake

Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level II Intakes: 0.0

Level II Population Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS Glens Falls Landfill - 02/09/96

Potential Contamination

Intake ID

Average Annual Flow (cfs)

Population Served

- N/A and/or data not specified

Documentation for Intake :

No intakes have been identified as being present along the surface water pathway.

Reference:

Type of Surface Water Body

Total Dilution-Weigh Population Population Dilution-Weighted

- N/A and/or data not specified

Dilution-Weighted Population Served by Potentially Contaminated Intakes: 0.0

Potential Contamination Factor: 0.0

Nearest Intake -----

Location of Nearest Drinking Water Intake: N.A.

Nearest Intake Factor: 0.00

Resources ------

Resource Use: YES

Resource Value: 5.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 52
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS
Glens Falls Landfill - 02/09/96

Documentation for Resources:

Halfway Creek, located 1 mile to the north of the site and forms approximately 14 miles of the 15 mile surface water pathway, is designated as an acceptable source of drinking water by the State of New York. It may also be used as a source for irrigation of farmlands.

Reference: 16, p. 2 of 7.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 53
SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

Source: 1 Landfill

Source Hazardous Waste Quantity Value: 179.36

Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
Nickel	100	1.00E+00	5.00E-01	5.00E+01
PCBs	10000	1.00E+00	5.00E+04	5.00E+08
Zinc	10	1.00E+00	5.00E+02	5.00E+03

PREscore 3.0 - PRESCORE.TCL File 07/25/94 SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

Hazardous Substances Found in an Observed Release

Sample Observed Release Toxicity Persistence Bio-Persistence/
No. Hazardous Substance Value Value accum. Bioaccum.

Toxicity/ Value Value

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 55 SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

Toxicity/Persistence/Bioaccumulation Value from Source Hazardous Substances:	5.00E+08
Toxicity/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Persistence/Bioaccumulation Factor:	5.00E+08
Sum of Source Hazardous Waste Quantity Values:	1.79E+02
Hazardous Waste Quantity Factor:	100
Waste Characteristics Factor Category:	320

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 56
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS
Glens Falls Landfill - 02/09/96

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

PREscore 3.0 - PRESCORE.TCL File 07/25/94 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Glens Falls Landfill - 02/09/96

Level I Concentrations

Annual Production Human Food Chain Fishery (pounds)

Population Value

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level I Concentrations Factor: 0.00E+00

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Glens Falls Landfill - 02/09/96

Level II Concentrations

Annual Production Human Food Chain (pounds) Fishery

Population Value

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level II Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 59 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Glens Falls Landfill - 02/09/96

Potential Contamination

Fi	shery	Production	Type of Surface Water Body	Average Annual Flow (cfs)	Value	Dilution Weight (Di)	Pi*Di
	Halfway Creek Champlain Canal		River River	10 50		1.00E-01 1.00E-01	

Sum of (Pi*Di): 6.00E-03

Potential Human Food Chain Contamination Factor: 6.00E-04

Documentation for Halfway Creek Fishery:

Halfway Creek is classified by NYSDEC as a fishery.

Reference: 23, p. 11 of 21.

Documentation for Champlain Canal Fishery:

Champlain Canal is classified by NYSDEC as a fishery.

Reference: 23, p.11 of 21.

Food Chain Individual

Location of Nearest Fishery: Halfway Creek

Distance from the Probable Point of Entry: 0.00 miles

Type of Surface Water Body: River

Dilution Weight: 0.1000000

Level of Contamination: Potential

Food Chain Individual Factor: 2.00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 60 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Glens Falls Landfill - 02/09/96

Documentation for Halfway Creek:

No flow gages are present on Halfway Creek. Flow rate is an estimated value provided as part of Ref. 27.

Reference: 24, p. 1 of 1; 27, p. 11 of 13.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 61 SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

Source: 1 Landfill

Source Hazardous Waste Quantity Value: 179.36

Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
Nickel	10	1.00E+00	5.00E+02	5.00E+03
PCBs	10000	1.00E+00	5.00E+04	5.00E+08
Zinc	10	1.00E+00	5.00E+02	5.00E+03

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 62 SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

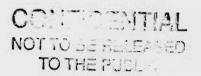
Hazardous Substances Found in an Observed Release

Sample Observed Release No. Hazardous Substance Eco- Ecotoxicity/
toxicity Persistence Bio- Persistence/
Value Value accum. Bioaccum.
Value Value

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 63
SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

Ecotoxicity/Persistence/Bioaccummulation Value from Source Hazardous Substances:	5.00E+08
Ecotoxicity/Persistence/Bioaccummulation Value from Observed Release Hazardous Substances:	0.00E+00
Ecotoxicity/Persistence/Bioaccummulation Factor:	5.00E+08
Sum of Source Hazardous Waste Quantity Values:	1.79E+02
Hazardous Waste Quantity Factor:	100
Waste Characteristics Factor Category:	320



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 64 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS Glens Falls Landfill - 02/09/96

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

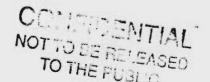
- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified



PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 65 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS Glens Falls Landfill - 02/09/96

Level I Concentrations

Distance from Probable Sensitive Point of Entry to Environment Sensitive Environment Sensitive Env. (miles) Value ______

- N/A and/or data not specified

Sum of Sensitive Environments Values:

Wetlands ------

> Point of Entry to Distance from Probable

Wetlands

Wetland

Wetland (miles)

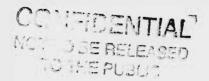
Frontage (miles)

- N/A and/or data not specified

Total Wetlands Frontage: 0.00 Miles Total Wetlands Value: 0

Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level I Concentrations Factor: 0.00E+00



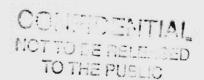
PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 66
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Glens Falls Landfill - 02/09/96

Level II Concentrations

Distance from Probable Sensitive Point of Entry to Environment Sensitive Environment Sensitive Env. (miles) Value - N/A and/or data not specified Sum of Sensitive Environments Values: 0 Wetlands ------Distance from Probable Point of Entry to Wetland (miles) Wetlands Wetland Frontage (miles) ______ - N/A and/or data not specified Total Wetlands Frontage: 0.00 Miles Total Wetlands Value: 0 _______

Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level II Concentrations Factor: 0.00E+00



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 67
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Glens Falls Landfill - 02/09/96

Potential Contamination

Sensitive Environments

Type of Surface Water Body	Sensitive Environment	Sensitive Environment Value
River	1 Halfway Creek	5
River	6 Champlain Canal	5

Wetlands

Sensitive Environment	Wetlands Frontage	Wetlands Value
2 Wetlands - GF-25	1.00	25
3 Wetlands - GF-3	4.20	150
4 Wetlands - PM-4	0.60	25
5 Wetlands - PM-5	0.70	25
	2 Wetlands - GF-25 3 Wetlands - GF-3 4 Wetlands - PM-4	Sensitive Environment Frontage 2 Wetlands - GF-25 1.00 3 Wetlands - GF-3 4.20 4 Wetlands - PM-4 0.60

Documentation for Sensitive Environment Halfway Creek:

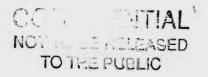
Halfway Creek is a state classified surface water body designated as a water body capable of fish propagation.

Reference: 23, p. 11 of 21.

Documentation for Sensitive Environment Wetlands - GF-25:

Based on State of New York Freshwater Wetlands maps.

Reference: 9, p. 1 of 1; 10 p. 1 of 2.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 68
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Glens Falls Landfill - 02/09/96

Documentation for Sensitive Environment Wetlands - GF-3:

Based on New York State Freshwater Wetlands Maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.

Documentation for Sensitive Environment Wetlands - PM-4:

Based on New York State Freshwater Wetlands Maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.

LW.

Documentation for Sensitive Environment Wetlands - PM-5:

Based on State of New York Freshwater Wetlands maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.

Documentation for Sensitive Environment Champlain Canal:

Champlain Canal is a state classified surface water body designated for fishing.

Reference: 23, p. 11 of 21.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SURFACE WATER PATHWAY GW TO SW CONTAINMENT SUMMARY Glens Falls Landfill - 02/09/96

PAGE:

70

Containment

No. Source ID HWQ Value Containment Value

1 Landfill 1.79E+02 10

Containment Factor 10

Documentation for Ground Water Containment, Source Landfill:

Only soil to support vegatative growth was installed on top of the landfill. During an inspection performed after installation, exposed landfilled materials were noted. No further remediation has been performed.

Reference: 13, p. 30 of 320; 16, p. 2 of 7.

Net Precipitation

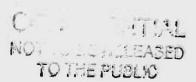
Net Precipitation (inches)

0.00

Documentation for Net Precipitation:

Net precipitation was calculated by subtracting the evaporation for the area from the net precipitation for the area provided in Ref. 27.

Reference: 27, pp. 5 and 6 of 13.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE Glens Falls Landfill - 02/09/96

Aquifer: Unconsolidated Aquifer

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

Documentation for Unconsolidated Aquifer Aquifer:

Boring logs, and geological and soil references, indicate that the surficial material at the site consists of mostly fine sand. The unconsolidated aquifer materials were deposited by glacial lakes. The aquifer is approximately 120 feet thick, 15 miles long and 9 miles wide at its maximum point.

Reference: 13, pp. 35 of 320; 27, p. 7 of 13.

OBSERVED RELEASE

No. Well ID Well Type (miles) Level of Contamination

- N/A and/or data not specified

Observed Release Factor

0



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE Glens Falls Landfill - 02/09/96

POTENTIAL TO RELEASE

Ground	Water	to	Surface	Water	Angle
--------	-------	----	---------	-------	-------

Probable Point of Entry 0.00 miles

Angle Theta 0

Containment

Containment Factor 10

Net Precipitation

Net Precipitation Factor 6

Depth to Aquifer

A. Depth of Hazardous Substances 17.00 feet

Documentation for Depth of Hazardous Substances:

The deepest known point (depth) of contamination is from the results of analysis of the soil sample obtained from MW-101 at the 15-17 foot level.

Reference: 13, p. 39 of 320.

B. Depth to Aquifer from Surface 0.00 feet



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE Glens Falls Landfill - 02/09/96

Documentation for Depth to Aquifer from Surface :

The aquifer at the site which has been evaluated is the unconsolidated aquifer found at ground surface. It is composed of glacial lake deposits which consist mostly of fine sands.

Reference: 13, p. 35 of 320.

C. Depth to Aquifer (B - A)

0.00 feet

Depth to Aquifer Factor

5

Travel Time

Are All Layers Karst?

NO

Documentation for Karst Layers:

No information reviewed indicates Karst layers in the area of the site. In addition the thickness of the unconsolidated aquifer is estimated to be 120 feet.

Reference: 13, pp. 34 and 35 of 320.

Thickness of Layer(s) with Lowest Conductivity

0.00

feet

Documentation for Thickness of Layers with Lowest Conductivity:

The landfilled materials at the site have been mounded to approximately 40 feet above original ground surface. The depth to the top of the water table in the unconsolidated aquifer averages 14 feet below ground surface.

Reference: 13, pp. 29 and 36 of 320.

Hydraulic Conductivity (cm/sec)

0.0E-00

74

Documentation for Hydraulic Conductivity:

The landfilled materials at the site have been mounded to approximately 40 feet above ground surface. The depth to the top of the water table in the unconsolidated aquifer averages 14 feet below ground surface. Consequently, possible sources of contamination are below the top of the water table.

Reference: 13, pp. 29 and 36 of 320.

Travel Time Factor

35

Potential to Release Factor 460



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 75
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

Source: 1 Landfill

Source Hazardous Waste Quantity Value: 179.36

Hazardous Substance		Persist. Value	Mobility Value	Toxicity/ Mobililty/ Persistence
Nickel PCBs Zinc	10000	1.00E+00	2.00E-05 2.00E-07 2.00E-03	2.00E-03 2.00E-03 2.00E-02

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 76 SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance

Toxicity Persist. Factor

Value

Value

Toxicity/ Persistence

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 77
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

Toxicity/Mobility/Persistence Value from Source Hazardous Substances:	2.00E-02
Toxicity/Mobility/Persistence Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility/Persistence Factor:	2.00E-02
Sum of Source Hazardous Waste Quantity Values:	1.79E+02
Hazardous Waste Quantity Factor:	100
Waste Characteristics Factor Category:	1



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAG SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS Glens Falls Landfill - 02/09/96

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE:
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS
Glens Falls Landfill - 02/09/96

Level I Concentrations

Distance Along the

In-water Segment from the

Intake Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level I Intakes:

0.0

Level I Population Factor: 0.00E+00

79

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE:
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS
Glens Falls Landfill - 02/09/96

Level II Concentrations

Distance Along the

In-water Segment from the

Intake Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level II Intakes: 0.0

Level II Population Factor: 0.00E+00

80

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS

Glens Falls Landfill - 02/09/96

Potential Contamination

Average Annual Flow (cfs) Intake ID

Population Served

81

- N/A and/or data not specified

Documentation for Intake :

No intakes have been identified as being present along the surface water pathway.

Reference:

Type of Surface Water Body

Total Dilution-Weighted Population Population

- N/A and/or data not specified

Dilution-Weighted Population Served by Potentially Contaminated Intakes: 0.0

Potential Contamination Factor: 0.0

Nearest Intake ______

Location of Nearest Drinking Water Intake: N.A.

Nearest Intake Factor: 0.00

Resources _____

Resource Use: YES

Resource Value: 5.00E+00

COVER-MINT, NOT ACTUAL TO TO THE PUBLIC

82

Documentation for Resources:

Halfway Creek, located 1 mile to the north of the site and forms approximately 14 miles of the 15 mile surface water pathway, is designated as an acceptable source of drinking water by the State of New York. It may also be used as a source for irrigation of farmlands.

Reference: 16, p. 2 of 7.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 83
SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

Source: 1 Landfill

Source Hazardous Waste Quantity Value: 179.36

Hazardous Substance	Toxicity Value		Mobility Value	Bio- accum. Value	Tox./Mobil./ Persistence/ Bioaccum. Value
Nickel PCBs Zinc	10000	1.00E+00	2.00E-05 2.00E-07 2.00E-03	5.00E+04	1.00E+02

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance

Toxicity Persist. Bio- Persistence
Value Value accum. Bioaccum.
Value Value

Toxicity/

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 85
SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

Toxicity/Mobility/Persistence/Bioaccumulation Value from Source Hazardous Substances:	1.00E+02
Toxicity/Mobility/Persistence/Bioaccumulation Value from Observe Release Hazardous Substances:	d 0.00E+00
Toxicity/Mobility/Persistence/Bioaccumulation Factor:	1.00E+02
Sum of Source Hazardous Waste Quantity Values:	1.79E+02
Hazardous Waste Quantity Factor:	100
Waste Characteristics Factor Category:	10

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Glens Falls Landfill - 02/09/96

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified



PREscore 3.0 - PRESCORE.TCL File 07/25/94 87 SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS

Glens Falls Landfill - 02/09/96

Level I Concentrations

Annual Production Human Food Chain Fishery (pounds)

Population Value

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level I Concentrations Factor: 0.00E+00



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Glens Falls Landfill - 02/09/96

Level II Concentrations

Fishery Annual Production (pounds)

Annual Production Human Food Chain (pounds) Population Value

88

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level II Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Glens Falls Landfill - 02/09/96

Potential Contamination

Fi	shery	Annnual Production (pounds)	Type of Surface Water Body	Average Annual Flow (cfs)	_	Dilution Weight (Di)	Pi*Di
1 2	Halfway Creek Champlain Canal		River River	10 50		0.00E+00 0.00E+00	

Sum of (Pi*Di): 0.00E+00

Potential Human Food Chain Contamination Factor: 0.00E+00

Documentation for Halfway Creek Fishery:

Halfway Creek is classified by NYSDEC as a fishery.

Reference: 23, p. 11 of 21.

Documentation for Champlain Canal Fishery:

Champlain Canal is classified by NYSDEC as a fishery.

Reference: 23, p.11 of 21.

Food Chain Individual

Location of Nearest Fishery: Halfway Creek

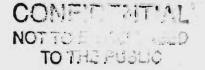
Distance from the Probable Point of Entry: 0.00 miles

Type of Surface Water Body: River

Dilution Weight: 0.0000000

Level of Contamination: Potential

Food Chain Individual Factor: 2.00



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Glens Falls Landfill - 02/09/96

Documentation for Halfway Creek:

No flow gages are present on Halfway Creek. Flow rate is an estimated value provided as part of Ref. 27.

Reference: 24, p. 1 of 1; 27, p. 11 of 13.

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 91
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

Source: 1 Landfill

Source Hazardous Waste Quantity Value: 179.36

Hazardous Substance		Persist. Value	Mob. Value	Bio- accum. Value	Ecotoxicity/ Mobility/ Persistence/ Bioaccum. Value
Nickel PCBs Zinc	10000	1.00E+00	2.00E-05 2.00E-07 2.00E-03	5.00E+04	1.00E+02

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance

Eco-

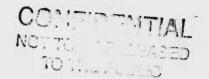
toxicity Persist. Bio- Persistence/ Value Value accum. Bioaccum. Value

Ecotoxicity/

- N/A and/or data not specified

ROTTO TO THE PUBLIC PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 93
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Glens Falls Landfill - 02/09/96

Ecotoxicity/Mobility/Persistence/Bioaccummulation Source Substances:	Value from	1.00E+02
Ecotoxicity/Mobility/Persistence/Bioaccummulation Observed Hazardous Substances:	Value from	0.00E+00
Ecotoxicity/Mobility/Persistence/Bioaccummulation	Factor:	1.00E+02
Sum of Source Hazardous Waste Quantity Values:		1.79E+02
Hazardous Waste Quantity Factor:		100
Waste Characteristics Factor Category:		10



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PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAG SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Glens Falls Landfill - 02/09/96

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 95 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Glens Falls Landfill - 02/09/96

Level I Concentrations

Sensitive Environment		Probable S to E (miles) V	
- N/A and/or data	not specified		
Sum of Sensitive Envi	ronments Values:		0
Wetlands			
- 114 62	Distance from Probable Point of Entry to Wetland (miles)	Wetland Frontag	s e (miles)
- N/A and/or data	not specified		
Total Wetlands Frontag	ge: 0.00 Miles	Total Wetlands	Value: 0
Sum of Sensitive Envi	ronments Value + Wetlar	nds Value: 0.00E	+00

Level I Concentrations Factor: 0.00E+00

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 96 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS

Glens Falls Landfill - 02/09/96

Level II Concentrations

Sensitive Environment	Distance from I Point of Entry Sensitive Env.	to Enviro	
- N/A and/or data	not specified		
Sum of Sensitive Envi	ronments Values:	0	
Wetlands			
	Distance from Probable Point of Entry to Wetland (miles)	Wetlands Frontage (mi	les)
- N/A and/or data	not specified		
Total Wetlands Fronta	ge: 0.00 Miles	Total Wetlands Value	: 0
Sum of Sensitive Envi	ronments Value + Wetlar	nds Value: 0.00E+00	

Level II Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Glens Falls Landfill - 02/09/96

Potential Contamination

Sensitive Environments

Type of Surface Water Body	Sensitive Environment	Sensitive Environment Value
River	1 Halfway Creek	5
River	6 Champlain Canal	5

Wetlands

Type of Surface Water Body	Sensitive Environment	Wetlands Frontage	Wetlands Value
River	2 Wetlands - GF-25	1.00	25
River	3 Wetlands - GF-3	4.20	150
River	4 Wetlands - PM-4	0.60	25
River	5 Wetlands - PM-5	0.70	25

Documentation for Sensitive Environment Halfway Creek:

Halfway Creek is a state classified surface water body designated as a water body capable of fish propagation.

Reference: 23, p. 11 of 21.

Documentation for Sensitive Environment Wetlands - GF-25:

Based on State of New York Freshwater Wetlands maps.

Reference: 9, p. 1 of 1; 10 p. 1 of 2.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS
Glens Falls Landfill - 02/09/96

Documentation for Sensitive Environment Wetlands - GF-3:

Based on New York State Freshwater Wetlands Maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.

Documentation for Sensitive Environment Wetlands - PM-4:

Based on New York State Freshwater Wetlands Maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.

Documentation for Sensitive Environment Wetlands - PM-5:

Based on State of New York Freshwater Wetlands maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.

Documentation for Sensitive Environment Champlain Canal:

Champlain Canal is a state classified surface water body designated for fishing.

Reference: 23, p. 11 of 21.

C TILL

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 99 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Glens Falls Landfill - 02/09/96

Sum of

Sum of Sens. Wetland Dilution Environment Frontage Weight

Environment Frontage Weight Values(Sj) Values(Wj) (Dj) Dj(Wj+Sj)

Water Body Values(Sj) Values(Wj) (Dj) Dj(Wj+Sj)
Small to Moderate Stream 10 150 0.00E+00 0.00E+00

Type of Surface

Sum of Dj(Wj+Sj): 0.00E+00

Sum of Dj(Wj+Sj)/10: 0.00E+00

Potential Contamination Sensitive Environment Factor: 0.00E+00

COMPAND TO ME

17

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 100 SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT LIKELIHOOD OF EXPOSURE Glens Falls Landfill - 02/09/96

Likelihood of Exposure

No. Source ID Level of Contamination

- N/A and/or data not specified

Likelihood of Exposure Factor: 0

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 101 doc here

Glens Falls Landfill - 02/09/96

Source: 0 (null)

Source Hazardous Waste Quantity Value: 0.00

Hazardous Toxicity

Substance Value

nce

Hazardous 8224

TO THE PUBLIC

PREscore 3.0 - PRESCORE.TCL File 07/25/94

Glens Falls Landfill - 02/09/96

Sum of Source Hazardous Waste Quantity Values:

0.00E+00

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Documentation for Level I Population:

No soil samples have been obtained for analysis from the landfill proper. No residents are present on-site. The nearest residents are approximately 300 feet south of the site. No daycare centers or schools were observed within 200 feet of the site during the offsite inspection performed by Ebasco.

Reference: 13, p. 16 of 320; 16 p. 2 of 7.

Waste Characteristics Factor Category:

0

Documentation for Level II Population:

No soil samples have been obtained from the landfill proper. No residents are present on-site. The nearest residents are approximately 300 feet south of the site. No daycare centers or schools were observed within 200 feet of the site during the offsite inspection performed by Ebasco.

Reference: 13, p. 16 of 320; 16, p. 2 of 7.

NOTHE FUELIO

PREscore 3.0 - PRESCORE.TCL File 07/25/94

Toxicity Factor:

Glens Falls Landfill - 02/09/96

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Targets

Level I Population:

0.0

Value: 0.00

Documentation for Workers:

The landfill is inactive and consequently no workers are located on the landfill proper.

Reference: 13, p. 5 of 320.

Level II Population:

0.0

Value: 0.00

doc here

Documentation for Resources:

No on-site usage of the landfill proper has been found in the information reviewed.

Reference:

- N/A and/or data not specified

Resident Individual:

(null)

Value:

0.00

Terrestial Sensitive Environment

Value

- N/A and/or data not specified

Terrestrial Sensitive Environments Factor: 1.30485992031043747000000000000

70 In_ 10 10

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 104 doc here

Glens Falls Landfill - 02/09/96

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SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE

NC _

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 105 doc here

Glens Falls Landfill - 02/09/96

Likelihood of Exposure

Level of Attractiveness/ Area of Contam.
No. Source ID Contamination Accessibility (sq. feet)

0 PAGE: 92 SW TARGETS

9504 774910509

0 (null) nce

6.0E-154 1.7E-76 9.7E+246 & D

doc here SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT WASTE CHARACTERISTICS PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 106

Glens Falls Landfill - 02/09/96

Source: 0 U 0 740007/14/88-15

Source Hazardous Waste Quantity Value: 1.00

Hazardous Toxicity Value Substance

(null) -16384

PREscore 3.0 - PRESCORE.TCL File 07/25/94

Glens Falls Landfill - 02/09/96

Toxicity Factor:

7.14E+02

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Sum of Source Hazardous Waste Quantity Values:

4.15E+03

Hazardous Waste Quantity Factor:

0

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

Population is based on Census Bureau files STF-1A.

Reference: 4, pp. 8 and 9 of 9.

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

Population is based on Census Bureau files STF-1A.

Reference: 4, pp. 8 and 9 of 9.

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

Population is based on Census Bureau files STF-1A.

Reference: 4, pp. 8 and 9 of 9.



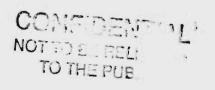
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OBSERVED RELEASE

			Distance			
No.	Sample	ID	(miles)	Level	of	Contamination

- N/A and/or data not specified

Observed Release Factor: 0



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Gas Migration Potential

GAS POTENTIAL TO RELEASE

Source ID	Source Type	Contain	Gas Source Type Value (B)	Potent	Sum	Gas Potential to Rel. Value A(B+C)
Landfill	Landfill	10	11	11	22	220

Gas Potential to Release Factor:

220

Documentation for Gas Containment, Source Landfill:

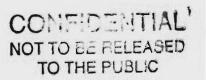
Only soil to support vegetative growth was installed on top of the landfill. During an inspection performed after installation, exposed landfilled materials were noted. No further remediation has been performed.

Reference: 13, p. 30 of 320; 16, p. 2 of 7.

Documentation for Source Type, Source Landfill:

Available documentation indicates that the surrounding towns operated a former municipal landfill at the property.

Reference: 12, pp. 1-73 of 73; 13, pp. 1-320 of 320.



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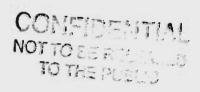
Source: Landfill

Gaseous Hazardous Substance Hazardous Substance Gas Migration Potential Value

PCBs 11

Average of Gas Migration Potential Value for 3 Hazardous Substances: 11.000

Gas Migration Potential Value From Table 6-7: 11



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Particulate Migration Potential

PARTICULATE POTENTIAL TO RELEASE

Source ID	Source Type	Partic. Contain Value (A)	Source Type	_	Sum	Partic. Potential to Rel. Value A(B+C)
Landfill	Landfill	10	22	6	28	280

Particulate Potential to Release Factor:

280

Documentation for Particulate Containment, Source Landfill:

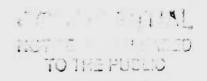
Only soil to support vegetative growth was installed on top of the landfill. During an inspection performed after installation, exposed landfilled materials were noted. No further remediation has been performed.

Reference: 13, p. 30 of 320; 16, p. 2 of 7.

Documentation for Source Type, Source Landfill:

Available documentation indicates that the surrounding towns operated a former municipal landfill at the property.

Reference: 12, pp. 1-73 of 73; 13, pp. 1-320 of 320.



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Documentation for Particulate Migration Potential:

Based on Figure 6-2 of HRS.

Reference: 1

Source: Landfill

Particulate Hazardous Substance

Nickel PCBs Zinc

> NOTTO BE ALLESED TO THE PUBLIC

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Source: 1 Landfill

Source Hazardous Waste Quantity Value: 179.36

Hazardous Substance	Toxicity Value	Gas Mobility Value	Particulate Mobility Value	Toxicity/ Mobility Value
Nickel PCBs	100	NA 2.00E-02	2.00E-04 2.00E-04	2.00E-02 2.00E+02
Zinc	10	NA	2.00E-04	2.00E-03

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 115 AIR PATHWAY WASTE CHARACTERISTICS Glens Falls Landfill - 02/09/96

Hazardous Substances Found in an Observed Release

Sample Observed Release ID Hazardous Substance Particulate Toxicity/

Gas Toxicity/ Mobility Value Mobility Value

- N/A and/or data not specified

Documentation for Particulate Mobility:

Based on Figure 6-3 of HRS.

Reference: 1

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Toxicity/Mobility Value from Source Hazardous Substances:	2.00E+02
Toxicity/Mobility Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility Factor:	2.00E+02
Sum of Source Hazardous Waste Quantity Values:	1.79E+02
Hazardous Waste Quantity Factor:	100
Waste Characteristics Factor Category:	10

PREscore 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY TARGETS

Glens Falls Landfill - 02/09/96

Actual Contamination

Distance

No. Sample ID (miles) Level of Contamination

- N/A and/or data not specified

Potential Contamination

Population	Value
0.0	0.0000
268.0	4.1000
714.0	2.8000
4152.0	8.3000
16385.0	8.3000
14215.0	3.8000
6449.0	0.7000
	0.0 268.0 714.0 4152.0 16385.0 14215.0

Potential Contaminantion Factor: 28.0000

Documentation for Population Onsite Distance Category:

The landfill is inactive.

Reference: 13, p. 5 of 320; 16, p. 1 of 7.

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

Population is based on Census Bureau files STF-1A and calculated as per formula described and provided on pages 1 and 2 of Reference 4.

Reference: 4, pp. 8 and 9 of 9.

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PREscore 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY TARGETS

Glens Falls Landfill - 02/09/96

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

Population is based on Census Bureau files STF-1A and calculated as per formula described and provided on pages 1 and 2 of Reference 4.

Reference: 4, pp. 8 and 9 of 9.

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

Population is based on Census Bureau files STF-1A and calculated as per formula described and provided on pages 1 and 2 of Reference 4.

Reference: 4, pp. 8 and 9 of 9.

Documentation for Population > 1 to 2 miles Distance Category:

Population is based on Census Bureau files STF-1A and calculated as per formula described and provided on pages 1 and 2 of Reference 4.

Reference: 4, pp. 8 and 9 of 9.

Documentation for Population > 2 to 3 miles Distance Category:

Population is based on Census Bureau STF-1A files and calculated as per formula described and provided on pages 1 and 2 of Reference 4.

Reference: 4, pp. 8 and 9 of 9.



PAGE:

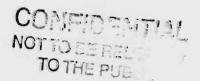
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Documentation for Population > 3 to 4 miles Distance Category:

Population is based on Census Bureau files STF-1A and calculated as per formula described and provided on pages 1 and 2 of Reference 4.

Reference: 4, pp. 8 and 9 of 9.



PREscore 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY TARGETS

Glens Falls Landfill - 02/09/96

Nearest Individual Factor

Level of Contamination: Potential

Distance in miles: 0 to 1/8

Nearest Individual Value: 20

Documentation for Nearest Individual:

Nearest residence is south of landfill across Lazurne road.

Reference: 16, p. 1 of 7.

Resources

Resource Use: NO

Resource Value: 0

Documentation for Resources:

No resources identified.

Reference: 6, p. 1 of 1.



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Distance

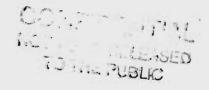
Sensitive

Environment

Actual Contamination, Sensitive Environments

Value
Wetland
Acreage Value
nation Factor: 0.0

(Sum of Sensitive Environments + Wetlands Values)



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Potential Contamination, Sensitive Environments

Sensitive Environment	Distance (miles)	Sensitive Environment Value	Distance Weight	Weighted Value/10
Nor. Wild Comfrey	1.360	50	0.0051	0.026
Karner Blue	2.060	75	0.0023	0.017
Karner Blue	2.380	75	0.0023	0.017
Karner Blue	2.170	75	0.0023	0.017
Karner Blue	0.860	75	0.0160	0.120
Karner Blue	1.860	75	0.0051	0.038
Karner Blue	3.110	75	0.0014	0.011
Karner Blue	1.170	75	0.0051	0.038
Karner Blue	1.330	75	0.0051	0.038
Karner Blue	0.550	75	0.0160	0.120
Karner Blue	0.420	75	0.0540	0.405
Karner Blue	1.695	75	0.0051	0.038
S. W. Ladyslipper	3.295	75	0.0014	0.011
Sum of Sensitive Environ	ments Weighted	Values/10:		0.896

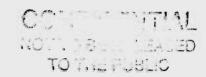
Potential Contamination, Wetlands

Distance Category	Wetland Acreage	Wetland Acreage Value	Distance Weight	Weighted Value/10
> 3 to 4 miles	832.2	500.0	0.0014	0.070
> 2 to 3 miles	365.0	350.0	0.0023	0.081
> 1 to 2 miles	91.3	75.0	0.0051	0.038
> 1/2 to 1 mile	21.8	25.0	0.0160	0.040

Total Wetland Acreage: 1310.3

Sum of Wetland Weighted Acreage Values/10: 0.229

Sensitive Environment Potential Contamination Factor: 1.000



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Documentation for Sensitive Environment Nor. Wild Comfrey:

New York State status of species is threatened.

Reference: 17, p. 4 of 12.

Documentation for Sensitive Environment Karner Blue:

Federal status for the species is endangered.

Reference: 17, p. 4 of 12.

Documentation for Sensitive Environment Karner Blue:

Federal status for species is endangered.

Reference: 17, p. 4 of 12.

Documentation for Sensitive Environment Karner Blue:

Federal status for species is endangered.

Reference: 17, p. 4 of 12.

Documentation for Sensitive Environment Karner Blue:

Federal status of species is endangered.

Reference: 17, p. 4 of 12.



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Documentation for Sensitive Environment Karner Blue: Federal status for the species is endangered.

Reference: 17, p. 4 of 12.

Documentation for Sensitive Environment Karner Blue:
Federal status for the species is endangered.
Reference: 17, p. 5 of 12.

Documentation for Sensitive Environment Karner Blue:
Federal status for the species is endangered.
Reference: 17, p. 5 of 12.

Documentation for Sensitive Environment Karner Blue:
Federal status for the species is endangered.
Reference: 17, p. 5 of 12.

Documentation for Sensitive Environment Karner Blue:
Federal status for the species is endangered.
Reference: 17, p. 5 of 12.

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Documentation for Sensitive Environment Karner Blue:

Federal status for the species is endangered.

Reference: 17, p. 5 of 12.

Documentation for Sensitive Environment Karner Blue:

Federal status for the species is endangered.

Reference: 17, p. 5 of 12.

Documentation for Sensitive Environment S. W. Ladyslipper:

New York State status for the species is endangered.

Reference: 17, p. 6 of 12.

Documentation for Sensitive Environment Wetlands:

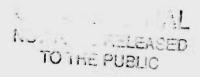
Based on New York State Freshwater wetlands maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.

Documentation for Sensitive Environment Wetlands:

Based on New York State Freshwater Wetlands maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.



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Documentation for Sensitive Environment Wetlands:

Based on New York State Freshwater Wetlands maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.

Documentation for Sensitive Environment Wetlands:

Based on New York State Freshwater Wetlands maps.

Reference: 9, p. 1 of 1; 10, p. 1 of 2.