

314018  
2/92

New York State Department of Environmental Conservation  
Division of Hazardous Waste Remediation  
Bureau of Hazardous Site Control  
Additions/Change to Registry Summary of Approvals

Site Name Herb Redl Property DEC I.D. Number 314018

Current Classification 2a

Activity  Add as Class  Reclassify to  Delist Category D1  Modify

Approvals.

Regional Hazardous Waste Engineer Yes  No

NYSDOH Yes  No

DEE Yes  No

BHSC: a. Investigation Section Yes  No

b. Site Control Section File 1/11/92 Date 1/11/92

c. Director John B Swartwout Date 2/24/92

DHWR Assistant Director letter mailed 3/10/92  
113 Charles Haddock <sup>for EHB</sup> Date 2/27/92

For Proposed Class 2a Sites Only:

Anticipated Action: \_\_\_\_\_

By Whom: \_\_\_\_\_

Time Frame: \_\_\_\_\_



# STATE OF NEW YORK DEPARTMENT OF HEALTH

Corning Tower The Governor Nelson A. Rockefeller Empire State Plaza

Albany, New York 12237

Lorna McBarnette  
Executive Deputy Commissioner

OFFICE OF PUBLIC HEALTH  
Sue Kelly  
Executive Deputy Director

January 10, 1992

Mr. Earl Barcomb, P.E., Director  
Bureau of Hazardous Site Control  
Division of Hazardous Waste Remediation  
NYS Dept. of Environmental Conservation  
50 Wolf Road  
Albany, NY 12233

RE: Delisting Petition  
Herb Redl Site #318018  
Poughkeepsie, Dutchess County

Dear Mr. Barcomb:

My staff has reviewed the reclassification package for the Herb Redl Site, #318018, Poughkeepsie, Dutchess County. We agree with the proposal for delisting including the referral of the site to the Department of Environmental Conservation (DEC) Division of Solid Waste for proper closure under Part 360 of the State Conservation Law.

If you have any questions regarding this matter please feel free to call me or Mr. Steven Bates of my staff at (518) 458-6310.

Sincerely,

G. Anders Carlson, Ph.D.  
Director  
Bureau of Environmental Exposure  
Investigation

1k/13430855

cc: Dr. N. Kim  
Mr. S. Bates/L. Wilson  
Mr. M. O'Toole  
Mr. R. Pergadia - DEC Reg. 3  
Mr. R. Dana - DEE

*Handwritten initials/signature*

*Handwritten initials/signature*

ADDITIONS/CHANGES TO REGISTRY  
 OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

1. SITE NAME Herb Redl Property		2. SITE NO 314018	3. TOWN Poughkeepsie	4. COUNTY Dutchess
5. REGION 3	6. CLASSIFICATION Current 2a / Proposed D1		7. ACTIVITY ( ) Add ( ) Reclassify (X) Delist ( ) Modify	
8a. DESCRIBE LOCATION OF SITE (Attach U.S.G.S Topographic Map showing site location) Take Thruway to exit 18. Proceed east on Rt. 299 to 9W. Go south on 9W to Rt. 44. Take Rt. 44 east across the Hudson River to Poughkeepsie. Turn left on Innis Ave. to Salt Point Turnpike. Herb Redl property is about one half mile north of St. Peters Cemetery on the west side of Salt Point Turnpike.				
b. Quadrangle Poughkeepsie	c. Site Latitude 41 43' 40"	Longitude 73 53' 30"	d. Tax Map Number 14-6263-03-045020	
9a. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)  The Herb Redl site is owned by Mr. Redl and was a former landfill which accepted construction and demolition debris from the mid 1960's until the late 1970's. The Dutchess Co. Health Dept. reported a service drainage problem in the S.E. area of the site in 1975. The Mosquito Control Unit treated the area with insecticides. In 1977 dumping was order to stop by the DCHD due to lack of permit but allowed dumping in the west part of the site until 1979.				
b. Area 16 acres	c. EPA ID Number NYD004986675	d. PA/SI ( ) Yes (X) No		
e. Completed (X) Phase I (X) Phase II ( ) PSA ( ) Sampling				
10. BRIEFLY LIST THE TYPE AND QUANTITY OF THE HAZARDOUS WASTE AND THE DATES THAT IT WAS DISPOSED OF AT THIS SITE  No hazardous waste has been documented as being disposed of at this site. On June 24, 1977, there were 9 oil filled drums present on-site during a local DOH visit. Upon a return visit by the local DOH, a few days later, there were no signs of the drums. It is not known whether the drums were buried on-site or removed from the site. The exact contents of the drums are also unknown.				
11a. SUMMARIZED SAMPLING DATA ATTACHED ( ) Air (X) Groundwater (X) Surface Water (X) Soil ( ) Waste ( ) EPTox ( ) TCLP				
b. List contravened parameters and values  SEE ATTACHMENT 1				
12. SITE IMPACT DATA				
a. Nearest surface water: Distance 0 ft. Direction WEST Classification "C"				
b. Nearest Groundwater: Depth 1.4 ft. Flow Direction SOUTHWEST ( ) Sole Source (X) Primary ( ) Principal				
c. Nearest water supply: Distance 1760 ft. Direction South Active (X) Yes ( ) No				
d. Nearest building: Distance 800 ft. Direction EAST Use Residential				
e. Crops or livestock on site? ( ) Yes (X) No				
f. Exposed hazardous waste? ( ) Yes (X) No				
g. Controlled site access? ( ) Yes (X) No				
h. Documented fish or wildlife mortality ( ) Yes (X) No				
i. Impact on special status fish or wildlife resource? ( ) Yes (X) No				
j. In State Economic Development Zone? ( ) Yes (X) No				
k. For Class 2a: Code ___ Health Model Score ___				
l. For Class 2: Priority Category ___				
m. HRS Score 34.80				
n. Significant Threat ( ) Yes (X) No ( ) Unknown				
13. SITE OWNER'S NAME Mr. Herb Redl		14. ADDRESS 240A North Rd. Poughkeepsie NY 12601		15. TELEPHONE NUMBER (914) 268-3203
16. PREPARER Steven E. Perrigo Environmental Engineer 1 BHSC				
Name, Title and Organization				
7/19/91		Steven E. Perrigo		
Date		Signature		
17. APPROVED				
Richard H. Dana, Chief, Bur. of Technical Services, DEC				
Name, Title and Organization				
8/23/91		Richard H. Dana		
Date		Signature		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: [REDACTED] REGION: 3 SITE CODE: 314018  
 EPA ID: NYD004986675

NAME OF SITE : Herb Redl Property  
 STREET ADDRESS: Salt Point Turnpike  
 TOWN/CITY: Poughkeepsie COUNTY: Dutchess ZIP: 12601

SITE TYPE: Open Dump-X Structure- Lagoon- Landfill- Treatment Pond-  
 ESTIMATED SIZE: 20 Acres

SITE OWNER/OPERATOR INFORMATION:  
 CURRENT OWNER NAME....: Herb Redl  
 CURRENT OWNER ADDRESS.: 204A North Road, Poughkeepsie, NY  
 OWNER(S) DURING USE...: Herb Redl  
 OPERATOR DURING USE...: Herb Redl  
 OPERATOR ADDRESS.....: 240A North Road, Poughkeepsie, NY  
 PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From To 1979

SITE DESCRIPTION:  
 The Redl property is an inactive landfill area encompassing approximately 63 acres 3/4 of a mile northeast of the City of Poughkeepsie. The site is primarily flat with well developed vegetative cover and only minor signs of waste deposition. Nearby dwellings include: a farm house to the south; a housing development to the west and several homes to the east across the Salt Point Turnpike. There is a well located approximately 1800 feet from the site. Most residences are on public water supply. The Fallkill runs adjacent to the western edge. Waste disposal at the site, primarily construction and demolition material, occurred during the mid 1960's to mid 1970's, and was restricted to two areas: approximately 6 acres at the southeast corner adjacent to the turnpike and approximately 10 acres at the southwest corner bordered by the Fallkill. Industrial waste disposal is possible. A Phase I investigation has been completed. A Phase II investigation has been completed. The results indicate groundwater contamination with several inorganic constituents and carbon disulfide (23 ppb) due to the site. Only iron was shown to be releasing from the site into Fall Kill Creek. Aluminum was detected upgradient and downgradient at concentrations greater than surface water standards. One soil sample had magnesium and mercury concentrations slightly above the expected background soil concentrations. The results of all the investigations could not document the disposal of hazardous waste at this site.

HAZARDOUS WASTE DISPOSED: TYPE	Confirmed-	Suspected-
		QUANTITY (units)
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ANALYTICAL DATA AVAILABLE:

Air- Surface Water-X Groundwater- Soil-X Sediment-X

CONTRAVENTION OF STANDARDS:

Groundwater-X Drinking Water- Surface Water-X Air-

LEGAL ACTION:

TYPE...: State- Federal-  
STATUS: Negotiation in Progress- Order Signed-

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-  
NATURE OF ACTION:

GEOTECHNICAL INFORMATION:

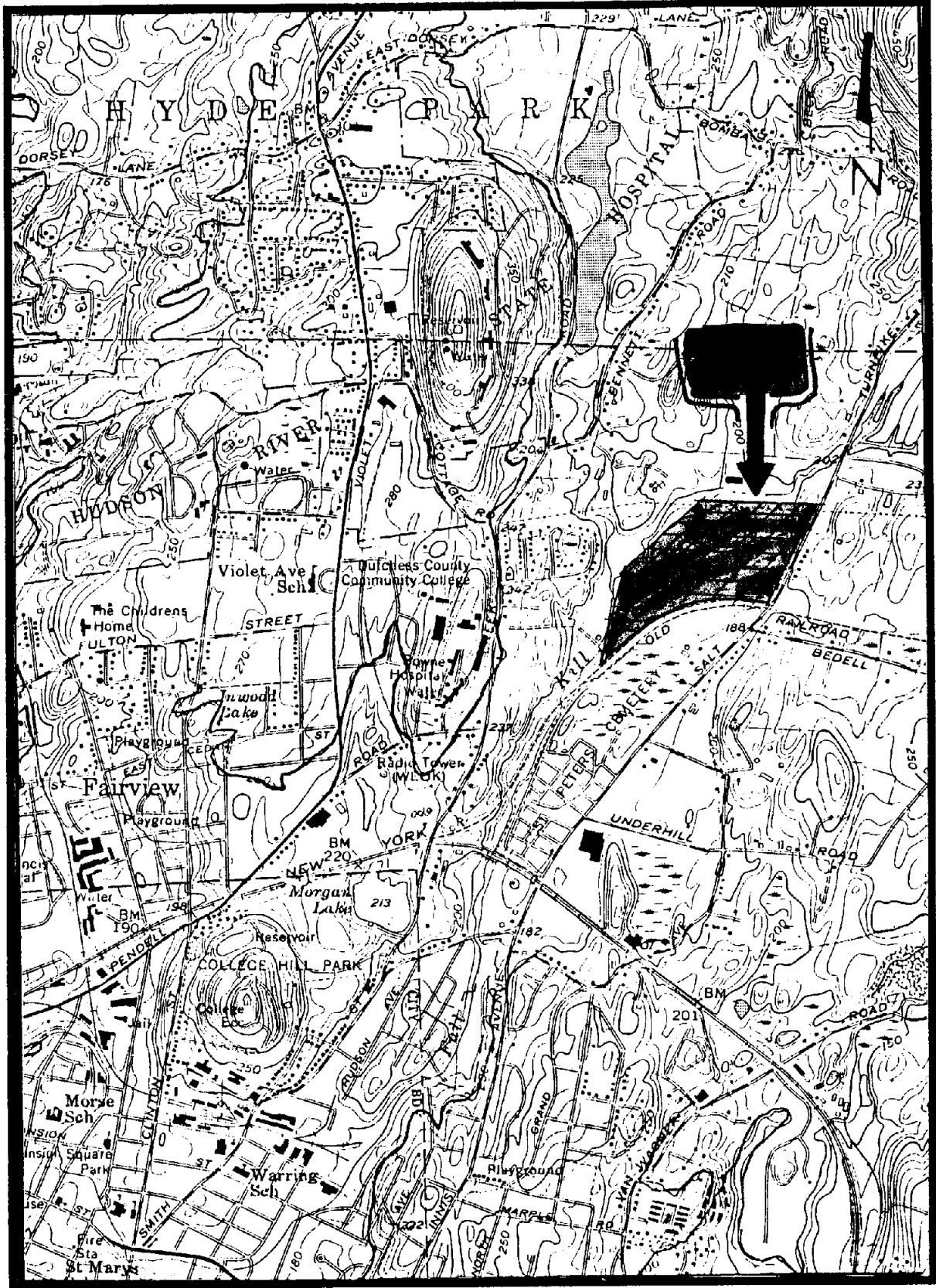
SOIL TYPE:  
GROUNDWATER DEPTH: 1.4 ft.

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Leachate problem in area, adjacent to Fallkill Creek. Strong odor of hydrogen sulfide at entrance to site. No environmental problems associated with the disposal of hazardous waste.

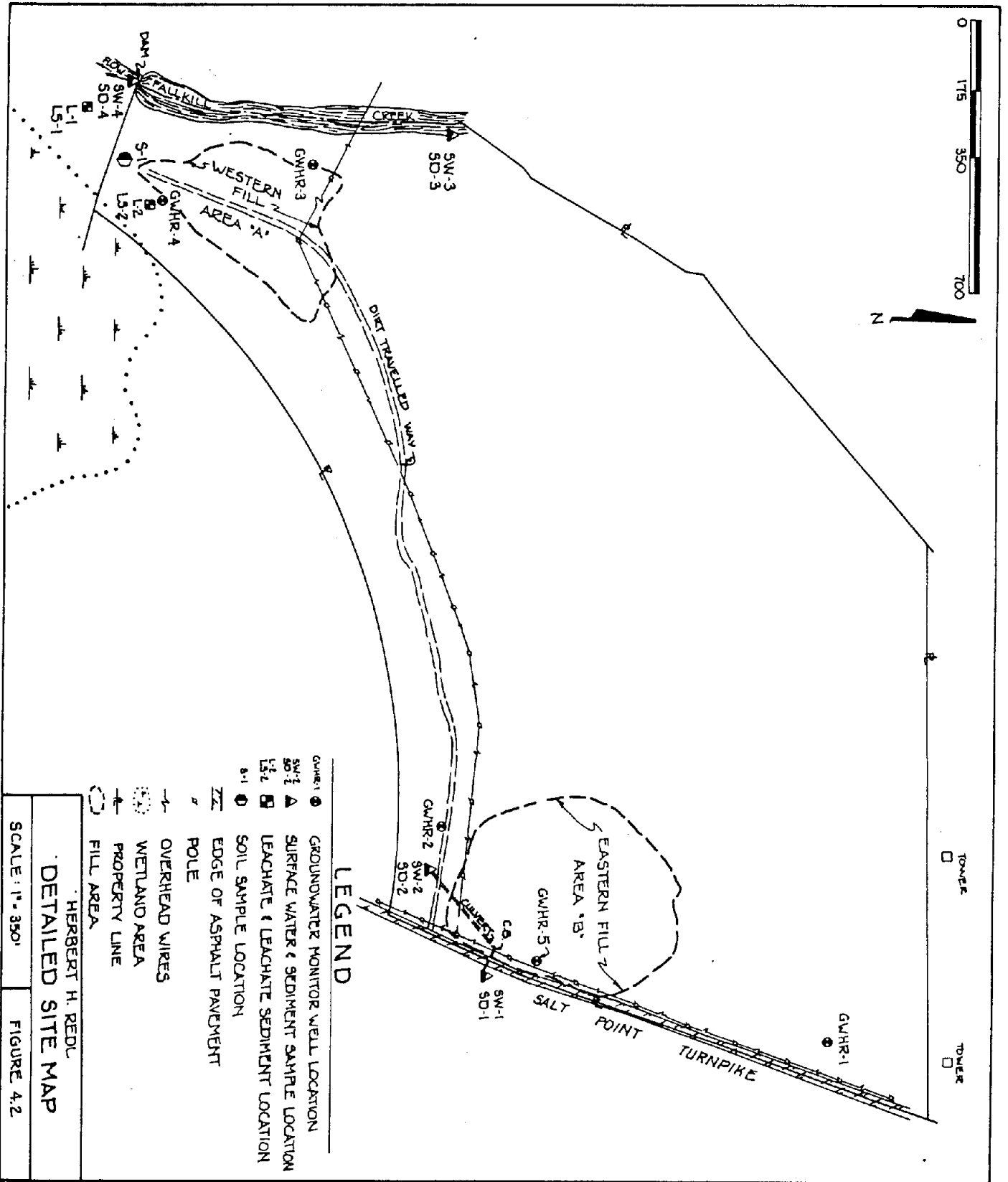
ASSESSMENT OF HEALTH PROBLEMS:

FIGURE 4.1  
 HERB REDL PHASE II INVESTIGATION  
 SITE LOCATION MAP  
 POUGHKEEPSIE, NY.



SITE COORDINATES:  
 LATITUDE: 41° 43' 40"  
 LONGITUDE: 73° 53' 30"

SCALE: 1:24000  
 QUAD.: POUGHKEEPSIE (USGS, 1982)  
 4-29



**LEGEND**

- GWHR-1 ● GROUNDWATER MONITOR WELL LOCATION
- SW-1 ▲ SURFACE WATER & SEDIMENT SAMPLE LOCATION
- LS-1 ▣ LEACHATE & LEACHATE SEDIMENT LOCATION
- S-1 ○ SOIL SAMPLE LOCATION
- /—/— EDGE OF ASPHALT PAVEMENT
- ⊥ POLE
- /—/— OVERHEAD WIRES
- WETLAND AREA
- /—/— PROPERTY LINE
- ▭ FILL AREA

HERBERT H. REDL  
 DETAILED SITE MAP  
 SCALE: 1" = 350'  
 FIGURE 4.2

ATTACHMENT 1

DATE: July 8, 1991

SITE CODE: 314018 SITE DESCRIPTION: Herb Redl Property, City of Poughkeepsie, Dutchess Co.

ALLEGED HAZARDOUS WASTE POSITIVE HAZARDOUS WASTE IDENTIFICATION  
TYPE/QUANTITY: MEDIUM(S) WHERE DETECTED (AIR, SURFACE WATER, SOIL, GROUNDWATER):

NO HAZARDOUS WASTE DISPOSED NO HAZARDOUS WASTE IDENTIFIED

- 1. Machine oil and metal grindings, approx. 9 barrels
- 2. Construction and demolition debris, unknown quantity

Compounds identified for HRS purposes.  
Groundwater: Barium, Cadmium, Lead.

Surface: Iron.

DISPOSAL DOCUMENTATION: STANDARDS/GUIDELINES THAT ARE BEING EXCEEDED:

- 1. Dutchess Co. Health Dept. memo from David Ruff to file June 24, 1977
- 2. NYSDEC Phase I report, Sept. 1984.

CLASS GA GROUNDWATER		THIS SITE	
STD	(ug/l)	STD	(ug/l)
Arsenic	25		49.6
Barium	1000		1540
Beryllium	3 G		10.7
Cadmium	10		28.4
Chromium	50 b		287
Iron	300		347,000
Magnesium	35,000 G		115,000
Manganese	300		18,300
Lead	25		285

SURFACE WATER		Class "C"	
STD	(ug/l)	STD	(ug/l)
Aluminum	100		281
Iron	300		522

b - NYSDOH Max. conc. level, Public Water Supplies  
10MVCRR, sub-part 5-1, Jan 1989.

6 - NYSDEC guidance value.

STATUS OF INFORMATION GATHERING FOR SITE RECLASSIFICATION  
ROUND 4, PHASE II INVESTIGATIONS, ENGINEERING SCIENCE

IS THERE SIGNIFICANT THREAT TO THE ENVIRONMENT? COMMENTS:

The Fall Kill Creek is adjacent to the site and is classified as a "C" class stream. Part of the site is considered a designated endangered species habitat by the NYSDEC Fish and Wildlife Division. The analytical results from the surface soil samples do not show any significant contamination other than some metals which naturally occur in the area.

Sm = 34.80

RECOMMENDATIONS:

Although the Sm score (old HRS) exceeds the required 28.5 score for nomination to the NPL, the scoring on this site is based on barium, cadmium and lead for groundwater scoring and targets (population using groundwater) which are upgradient from the site. The groundwater flows southwest toward the adjacent Fall Kill Creek which is considered a discharge area for the shallow groundwater.

There is no conclusive evidence documenting hazardous waste disposal at the Herb Redl site nor is there analytical evidence confirming the presence of hazardous waste. The site does appear to be contaminating the groundwater with heavy metals possible from the construction and demolition waste which was disposed of on site. The site should be properly covered to reduce the percolation through the waste and reduce the groundwater contamination with metals.

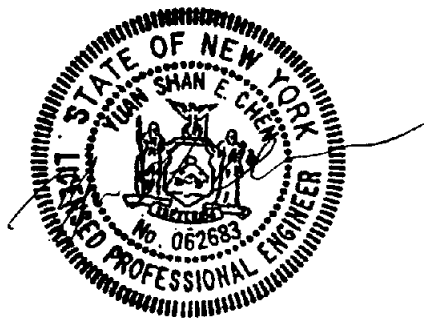
Recommendation: Re-list site.

ENGINEERING INVESTIGATIONS AT  
INACTIVE HAZARDOUS WASTE SITES  
IN THE STATE OF NEW YORK  
PHASE II INVESTIGATION

HERB REDL PROPERTY  
POUGHKEEPSIE, NEW YORK  
NYSDEC I.D. NO.314018

PREPARED FOR

DIVISION OF HAZARDOUS WASTE REMEDIATION  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
50 WOLF ROAD  
ALBANY, NEW YORK 12233-0001



PREPARED BY

**YEC, INC.**  
Clarkstown Executive Park  
612 Corporate Way  
Valley Cottage, New York 10989

In Association With

ENGINEERING-SCIENCE (ES)  
290 Elwood Davis Road, Suite 312  
Liverpool, NY 13088

June 1991

MEMORANDUM

File

DM:

David T. Ruff

SUBJECT:

Waste Disposal, Redl Property, Salt Point Turnpike - T. Poughkeepsie

DATE:

June 24, 1977

On June 24, 1977, I met with Peter Sala, Councilman, T. Poughkeepsie, to inspect the Redl disposal site.

Mr. Sala filed a complaint about the disposal site and the method of operation and its effect on the Fallkill Creek.

The dumping has been done in a low swampy area from an east to west direction.

The entire area has been filled to the Fallkill Creek.

At the southwest corner is a flowing stream coming from the swamp area. It is somewhat odorous and black which may be an indication of decaying organic matter. The stream does emanate from an area where demolition material is in contact with water.

At the west end there is a break in the bank along the creek where water is flowing from the creek into the fill area.

On the south side nine barrels have been dumped which contain oil. There is some oil on the surface of the ground.

Other than demolition material, I observed tires, metal, metal tanks, car seats, etc.

/malt

TABLE 4.10  
ANALYTICAL SUMMARY OF INORGANIC ANALYSIS  
SOIL SAMPLES  
(mg/Kg)

(3) Element Concentrations  
Expected in Soils  
(mg/Kg)

Parameter	S-1	(mg/Kg)
Aluminum	13300	10,000-300,000
Antimony	13.9 U NE	0.6-10
Arsenic	6.2 SN	1.0-40
Barium	96.0	100-3500
Beryllium	U	0.1-40
Cadmium	3.8	0.01-7.0
Calcium	32300 *E	100-400,000
Chromium	17.6	5.0-3,000
Cobalt	U	1.0-40
Copper	37.9 N	2.0-100
Iron	39200	7,000-550,000
Lead	30.4	2.0-200
Magnesium	8460 *	600-6,000
Manganese	783 *	100-4000
Mercury	0.13	0.01-0.08
Nickel	22.2	5.0-1,000
Potassium	2790	400-30,000
Selenium	10.2 U WN	0.1-2.0
Silver	U	0.1-5.0
Sodium	U	750-7500
Thallium	U	0.1-12.0
Vanadium	26.3	20-500
Zinc	232 N	10-300
Cyanide	U	NS

TABLE 4.11  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
Soil Samples (ug/Kg)

CAS #	COMPOUND	CONCENTRATION	SAMPLE
75-09-2	Methylene Chloride	13 BJ	S-1
67-64-1	Acetone	29 B	S-1

TABLE 4.12  
ANALYTICAL SUMMARY OF INORGANIC ANALYSES OF GROUNDWATER SAMPLES  
(ug/L)

Parameter	GW-1	GW-2	GW-3	GW-4	GW-5	NYS STANDARDS/ GUIDANCE VALUES GROUNDWATER
						(ug/L)
Aluminum	14900	92200	236000	30400	145000	NS
Antimony	60.0 U NW	60.0 U N	60.0 U N	60.0 U N	60.0 U N	3 a
Arsenic	6.3 B	<u>33.7</u>	<u>37.0</u>	19.5	<u>49.6</u>	25 a
Barium	U	<u>1070</u>	<u>1540</u>	348	<u>1060</u>	1000 a
Beryllium	U	<u>8.4</u>	<u>10.7</u>	U	<u>7.8</u>	3 a
Cadmium	U	<u>24.5</u>	<u>28.4</u>	5.6	<u>17.1</u>	10 a
Calcium	74800	157000	397000	296000	373000	NS
Chromium	22.3	<u>115</u>	<u>287</u>	36.9	<u>168</u>	50 b
Cobalt	U	131	172	U	94.0	NS
Copper	43.1	<u>335</u>	<u>543</u>	73.8	<u>266</u>	200 a
Iron	<u>24200 E</u>	<u>289000 E</u>	<u>347000 E</u>	<u>64400 E</u>	<u>266000 E</u>	300 a
Lead	17.7	<u>197</u>	<u>283</u>	<u>32.9</u>	<u>285</u>	25 a
Magnesium	14200	<u>62400</u>	<u>113000</u>	<u>50200</u>	<u>86700</u>	35000 a
Manganese	<u>1280</u>	<u>18300</u>	<u>15700</u>	<u>4470</u>	<u>13500</u>	300 a
Mercury	U	1.2	0.88	U	0.97	2 a
Nickel	U	205	307	48.9	206	700 f
Potassium	4400 B	14700	22400	7040	17900	NS
Selenium	5.0 U WN	50.0 U N	50.0 U WN	50.0 U N	50.0 U WN	10 b
Silver	U	U	U	U	U	50 a
Sodium	<u>74100</u>	<u>55200</u>	10900	8890	<u>167000</u>	20000 a
Thallium	50.0 U W	10.0 U W	10.0 U W	10.0 U W	50.0 U W	4 a
Vanadium	U	129	276	U	189	< 300 c
Zinc	99.3	<u>710</u>	<u>1180</u>	196	<u>1210</u>	300 a
Cyanide	U	U	U	U	U	< 100 c

Note: Turbidity of the above samples greater than 200 NTU's.

*New York State*  
*Department of Environmental Conservation*

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# Engineering Investigations and Evaluations of Inactive Hazardous Waste Disposal Sites— Superfund Program

**WE** WEHRAN ENGINEERING, P.C.

**CDM** CAMP DRESSER & McKEE

PHASE I INVESTIGATION REPORT  
REDL PROPERTY  
POUGHKEEPSIE (T), DUTCHESS COUNTY, NEW YORK  
SEPTEMBER 1984

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
REPORTED HAZARDOUS WASTE SITES

#14-7

Date 8/14/79

D.E.C. Region 3

County Dutchess

Site Owner Herb Redl (Demo & Rubbish)

Site Name, if any \_\_\_\_\_

Location Salt Point Turnpike

T. Poughkeepsie

Site Description-(size, topography, residences, surface water, vegetation, land use, accessibility to people, etc.)

Approximately 100 acres, 10 of which filled near Salt Pt. Rd. and 10 of which filled in S.W. corner. Residences on Public Water within

1/2 mile. Fallkill Creek adjacent to western edge drainage from across

Salt Point Rd. Piped through S.E. corner. Residential and accessible. Formerly a wet area.

Waste Description-(containers, physical character, odors, color, source, etc)

Present active area adjacent to Salt Point Road is construction and demolition debris. Southwest corner filled many years ago - waste composition varied - industrial waste possible.