New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
50 Wolf Road
Albany, New York 12233-4015

Add ____
Modify ____
Reclassify X
Delist ____

ADDITIONS/CHANGES TO REGISTRY OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

Site Name Dearcop Farm **DEC ID Number** 828016

Site Address Varian Lane & Dearcop Dr., Town of Gates **County** Monroe

___ **Add New Site:** (Potential hazardous waste site, Site Inspection Summary Report, EPA Preliminary Assessment Form and Registry Form must be completed and attached)

___ **Modify Registry data** (detail below)

X **Reclassify from class** 2a **to class** 2. **(justify below)**

___ **Delist** (justify below)

RECEIVED JAN 31 1990

[1989-90]

Detail/Justification

The site is located in an urban area just west of the Barge Canal, and was operated as a disposal area from 1919 until 1970. At the present time, the northern 10 acres are occupied by a portion of the interchange for Routes I490 and I390.

Information supplied by E.I. DuPont De Nemours indicates the site received wastes that included acids, heavy metals, waste oil and oil sludges, halogenated organic solvents, and other compounds. The method of disposal was thought to be open burning. → confirmation of h.w. disposal

Groundwater samples of 11/15/85 indicate contamination by methylene chloride (220 ppb), vinyl chloride (660 ppb), 1,1-DCA (6600 and 1200 ppb), t-1,2-DCE (960 and 4000 ppb), 1,1,1-TCA (390 and 170 ppb), TCE (360 and 730 ppb), 1,1-DCE (610 ppb), and benzene (300 ppb).

The site should be reclassified to Class 2 as there is documentation of hazardous waste and a contravention of Class GA standards.

Contravention of g.w Standards

Prepared by Cynthia K Whitfield **Date:** 11/15/89

Approvals: TM Koch 11-21-89

Reg. Haz. Waste Eng. [signature] **Date:** 1/26/90

R. Tramontano NYSDOH [signature] **Date:** 2/28/90

R. Dana/DEE Richard H Dana **Date:** 2/15/90

W. Demick/J. Swartwout/ D. Curtis Ward Lenton/W. E. Demick **Date:** 11/15/89 2/15/90

R. Marino Robert J Marino **Date:** 3/6/90

E. Barcomb (cy) [signature] **Date:** 3/7/90

1. EXECUTIVE SUMMARY

The Dearcop Farm site (New York I.D. No. 828016, EPA I.D. No. NYD980528509) is an inactive landfill located at the north end of Varian Lane and Dearcop Drive in the Town of Gates, Monroe County, New York. The site is situated in an urban area just west of the Barge Canal and the City of Rochester's boundary (Figures 1-1 and 1-2). Presently, the northern 10 acres of the original 16-acre landfill is occupied by a portion of the interchange for Interstate Routes 490 and 390. The remaining 6 acres of the site is owned commonly by Herbert Dearcop and Charles R. Dearcop, Jr.

The site operated as a disposal area from 1919, shortly after the property was purchased by Mr. Charles L. Dearcop, until 1970. Reportedly the site received industrial wastes from General Railway Signal Company, DuPont, and Pfaudler Company during its operation. The waste included rubbish, office paper, wood, debris, scrap iron, foundry dirt, sand blasting sand, and sand castings. In addition, 1,000 gal of unknown substances from DuPont were reportedly disposed of by burning at the site. According to information supplied by E.I. DuPont De Nemours and Company, Inc., to the New York State Department of Environmental Conservation (NYSDEC), DuPont first used the Dearcop Farm site to dispose of waste beginning in 1945 for an unknown period of time. Waste disposed at the site included acids, heavy metals, waste oil and oil sludges, halogenated organic solvents, and other compounds. Total amounts of waste disposed of at the site is unknown. The method of disposal was through open burning.

The site is bordered to the south and southwest by a residential area. The nearest home is on Varian Lane approximately 150 ft south of the site. Access to the site is from the south off Dearcop Drive and Varian Lane, there is no fencing to control access.

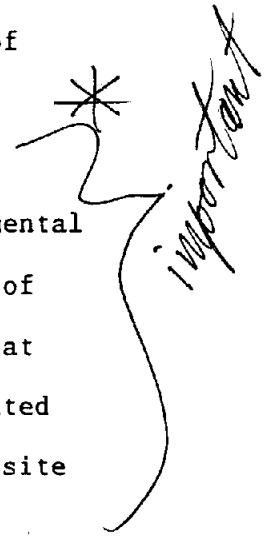
The Phase II investigation consisted of: a record search to obtain information on site history (since the Phase I investigation); a site inspection and interviews to observe and document current conditions; and the performance of field activities to evaluate hydrogeological conditions and the potential for ground-water and/or surface-water contamination. The field activities included geophysical investigations (EM conductivity perimeter surveys, a resistivity sounding, a grid pattern EM conductivity and magnetometer survey); installation of test borings/monitoring wells completed in bedrock; short-term low-yield pumping tests; and environmental sampling (ground water, surface water, sediment, and waste) for analysis of the Hazardous Substance List of inorganic parameters and organic compounds.

Analytical results of samples collected from the 3 Phase II monitoring wells indicate that the ground water in the area of the site is contaminated with several volatile organic compounds. The highest concentrations were detected in samples from Wells DR-2 and DR-3.

The final HRS scores for the site are as follows: Migration Score (S_M)= 8.51; Direct Contact Score (S_{DC}) = 62.50.

Chapter 6 provides a preliminary evaluation and estimated cost for remediation of the site.

A representative for Charles R. Dearcop, Jr. stated in a letter to NYSDEC that the Dearcops had contracts with Pfaudler, General Railroad Signal, and DuPont for hauling and disposing waste, but never hauled wastes from American Brakeshoe. The waste included rubbish, office paper, wood, debris, scrap iron, foundry dirt, sand blasting sand, and sand castings. Also 1,000 gallons of unknown substances from DuPont were disposed of by burning at the site (Appendix 1.4.1-2). According to information supplied by E.I. DuPont De Nemours and Company, Inc., to the New York State Department of Environmental Conservation (NYSDEC), DuPont first used the Dearcop Farm site to dispose of waste beginning in 1945 for an unknown period of time. Waste disposed of at the site included acids, heavy metals, waste oil and oil sludges, halogenated organics, and other compounds. Total amounts of waste disposed of at the site is unknown. The method of disposal was through open burning (Appendix 1.4.1-6). According to information supplied by Pfaudler Company to NYSDEC there were no written records indicating Pfaudler used the Dearcop site for any hazardous waste disposal. Employees only recall non-hazardous materials such as trash, fines from glass making operations, wood, paper and rubble disposed at the Dearcop site (Appendix 1.4.1-7, page 15 of 16). General Railway Signal stated they did not dispose of hazardous waste at the Deacrop Site (Appendix 1.4.1-8).



During a 28 May 1981 site inspection conducted by NYSDEC, rubble, debris, slag, glass, and foundry sand were observed exposed at the surface of the landfill. Also noted were areas of dark "oily" soil and rust-stained soil. Old rusted drums were observed in the east face of the landfill as well as on the surface.

* This is the admission of disposal of hazardous waste.

The geophysical survey performed during the Phase II investigation located anomalous zones of conductivity along portions of the north and south perimeters of the site. The conductivity grid survey and the magnetometer grid survey indicate the presence of two general areas (anomalous zones) which suggest the presence of subsurface metallic material. One of these two areas is located in the southern portion of the site, and the other is located in the Interstate Route 490 median area (Appendix 1.3.2-1).

Ground Water

Three ground-water samples (one from each Phase II monitoring well [Figure 3-1]: DR-1, DR-2, and DR-3) were collected on 15 November 1985 and analyzed for the organic components and inorganic parameters of the Hazardous Substance List. Due to missed holding times, the monitoring wells were resampled on 2 and 5 April 1987 and again on 3-5 June 1987, and analyzed for pesticides and PCB's of the HSL.

Ground water, in the site area, was found to be contaminated with several volatile organic compounds (Table 4-2). The following halogenated organics were detected in samples collected from Wells DR-2 and DR-3: 1,1-Dichloroethane (6,600 µg/liter and 1,200 µg/liter); Trans-1,2-Dichloroethane (960 µg/liter and 4,000 µg/liter); 1,1,1-Trichloroethane (390 µg/liter and 730 µg/liter); and Trichloroethene (360 µg/liter and 730 µg/liter), respectively. These compounds were also detected in Well DR-1, however at much lower levels (10 µg/liter, 23 µg/liter, 16 µg/liter, and 10 µg/liter, respectively). Vinyl chloride was present above the detection limit only in DR-3

(660 µg/liter), and 1,1-Dichloroethene only in Well DR-2 (610 µg/liter). Benzene was detected only in the sample collected from Well DR-3 (300 µg/liter). For metals only iron, which was detected in all three wells, was detected at concentrations above the New York State standards for Class GA ground water. 5

Contamination has been detected in the planned upgradient well (DR-2). The well was located off the fill-area based on the geophysical data (anomalous zones), however because of the constraints of the site property boundary, may not have been placed far enough upgradient to monitor ambient ground water conditions. Because of its close positioning to the Deacrop Farm site, the observed results are possibly due to this source. The contamination detected in ground water may be associated with the DuPont waste (halogenated organic solvents) reportedly disposed (burned) at the site. Based on a detailed air photo analysis (Monroe County Environmental Management Council) for the site area, the land use directly west, south, and southwest has been either woodland, cropland, residential, or school since 1930. In the mid 1960s Interstate 390 was constructed north-south just west of the site (Appendix 1.4.1-2). Based upon current understanding of the site area, there does not appear to be another source of contamination in the immediate vicinity of the site. .1 .2

For HRS scoring purposes, benzene has been used to document an observed release to ground water from the site. The concentration detected in a downgradient well (DR-3) was at a significant level (greater than 3 times the detection limit) and was not detected in the upgradient well (DR-2). 3

NAME	ICS NUMBER - EPA ID NUMBER
E. I. DuPont de Nemours	NYD000632125
ADDRESS: 666 Driving Park Ave.	
CITY: Rochester	STATE: N.Y. / ZIP: 14613

Deleted
0001 – 0007

GENERATOR FORM
PART - II

G

January 1, 1952 - December 31, 1981

DATE 8/6/84

1. HAZARDOUS WASTE DISPOSAL SITE (SEE INSTRUCTIONS)	2. DESCRIPTION OF HAZARDOUS WASTES DEPOSITED AT THIS LOCATION (SEE INSTRUCTIONS)	3. EPA WASTE CODE	4. WASTE DISPOSED OF QUANTITY OF WASTE (TONS)	FORM: LIQUID	FORM: SOLID	FORM: DRUMS	5. WASTE DISPOSAL DATES	6. TRANSPORTER OF HAZARDOUS WASTE (SEE INSTRUCTIONS)
SCA Chemical Services Model City, N.Y. 0008	Mixture of Acetone/Methanol/ethanol Spent halogenated solvents	D001 F001	5	x		x	1977-1981	SCA Chemical Services 1550 Balmer Road Model City, N.Y. 14107 9A-081
"Old Dearcop Farm" 92 Dearcop Drive Rochester, N.Y. 14624 9	Aqueous Waste containing heavy metals (Lead, Cadmium) Acid Solution (ph < 3) Base Solution (ph > 12)	D006 D008 D002	Unknown	x		x	1962	8A-105 Dearcop Trucking 930 Elmgrove Road Rochester, N.Y. 14624
City of Rochester Fire Academy 1190 Scottsville Road Rochester, N.Y. 14614 10	Mixture of Acetone/Methanol/ethanol	D001	Unknown	x		x	Unknown	Hoff Brothers Refuse Corp. 101 Ontario Street East Rochester, N.Y. 14445 ?
"New Dearcop Farm" 920 Elmgrove Road Rochester, N.Y. 14624 12	Unknown	-	Unknown	-	-	-	Unknown	Dearcop Trucking 930 Elmgrove Road Rochester, N.Y. 14624
High Acres Development Corp 425 Budlong Road Fairport, N.Y. 14450 11	Unknown	-	Unknown	-	-	-	Unknown	Hoff Brothers Refuse Corp. 101 Ontario Street East Rochester, N.Y. 14445

SITE DESCRIPTION: ROCHESTER FIRE ACEDEMY, ROCHESTER NY — SITE CODE: 8-28-015

WASTE DESCRIPTION	QUANTITY	U	L	S	D	GENERATOR NAME	ID
ISOPROPANAL,OIL & WATER,PAINT THINNER,TMS FREON			X	-	X	CHLORIDE ELECTRO NETWORK	G0813430
MIXTURE ACETONE/METHANOL & AQUEOUS LEAD AND CHROMIUM			X	-	X	E.I.DU PONT(PHOTO PROD. DEPT.)(DR	G0813233
MIXTURE OF ACETONE/METHANOL ETHANOL			X	-	X	E.I.DU PONT(PHOTO PROD. DEPT.)(DR	G0813233
MOSTLY PAINT REMOVER	1.00	T	-	-	X	SAVORY ENERGY CO. INC.	GXB00794
TRICHLOROETHAN, TRICHLOROETHYLENE			X	-	X	CHLORIDE ELECTRO NETWORK	G0813430

SITE DESCRIPTION: OLD DEARCOP FARM,92 DEARCOP DR.,ROCHESTER NY 14624 — SITE CODE: 8-28-016

WASTE DESCRIPTION	QUANTITY	U	L	S	D	GENERATOR NAME	ID
AQUEOUS HEAVY METALS(LEAD,CADMIUM)ACID AND BASIC SOLUTIONS			X	-	X	E.I. DU PONT(PHOTO CHEM PLT.)	G0813463
AQUEOUS WASTE CONTAINING HEAVY METALS, PB,CD,ACID/BASE SOLN			X	-	X	E.I.DU PONT(PHOTO PROD. DEPT.)(DR	G0813233

SITE DESCRIPTION: OLIN CORPORATION,100 MCKEE RD,ROCHESTER,NY 14611 LAGOON — SITE CODE: 8-28-018

WASTE DESCRIPTION	QUANTITY	U	L	S	D	GENERATOR NAME	ID
GENERAL & MISC ORGANIC, SOLVENT AND RESIDUE WASTE			X	-	-	OLIN CORP.	G0813254

SITE DESCRIPTION: HOWARD FITZSIMONS JR,GOLDEN RD,CHILI NY — SITE CODE: 8-28-021

WASTE DESCRIPTION	QUANTITY	U	L	S	D	GENERATOR NAME	ID
OIL SOAKED DIRT			-	X	-	CHEVRON USA INC ROCHESTER TERMINA	GXB00153

SITE DESCRIPTION: XEROX(JOSEPH C. WILSON CTR),800 PHILLIPS RD,WEBSTER NY 14580 — SITE CODE: 8-28-027

WASTE DESCRIPTION	QUANTITY	U	L	S	D	GENERATOR NAME	ID
UNKNOWN			-	-	-	XEROX CORPORATION	G0813418

SITE DESCRIPTION: BROCKPORT VILLAGE LANDFILL,EAST CANAL RD,BROCKPORT NY 14420 — SITE CODE: 8-28-038

WASTE DESCRIPTION	QUANTITY	U	L	S	D	GENERATOR NAME	ID

TABLE 4-2 SUMMARY OF RESULTS OF ORGANIC AND INORGANIC PARAMETERS DETECTED IN GROUND-WATER COLLECTED AT THE DEARCOP FARM SITE, 15 NOVEMBER 1985

Parameters	DR-W1	DR-W2	DR-W3	Trip Blank	Method Blank
Volatiles (ug/L)					
Methylene chloride(a)	BCRDL	220	BDL	9	BCRDL
Vinyl chloride	BCRDL	BDL	660		
Acetone(a)	BCRDL	BDL	BDL	BCRDL	BCRDL
1,1-Dichloroethane	12	6,600	1,200		
Trans-1,2-Dichloroethene	23	960	4,000		
2-Butanone(a)	BCRDL	BDL	BDL	BCRDL	BCRDL
1,1,1-Trichloroethane	16	390	170		
Trichloroethene	10	360	730		
1,1-Dichloroethene		610	BDL		
1,2-Dichloroethane		BDL			
Benzene			300		
Toluene			BDL		
Semi-Volatiles (ug/L)					
Bis(2-ethylhexyl)phthalate(a)	22	36	BCRDL	14	BCRDL
Di-n-octyl phthalate				BCRDL	
Metals (mg/L)					
Aluminum	0.6	0.5	0.3	<0.2	<0.2
Arsenic	<0.002	BCRDL	<0.002	<0.0002	<0.002
Barium	BCRDL	BCRDL	BCRDL	<0.02	<0.02
Cadmium	BCRDL	BCRDL	BCRDL	<0.0002	<0.0002
Calcium	50	180	190	<1.0	<1.0
Chromium	<0.002	BCRDL	<0.002	<0.002	<0.002
Copper	<0.05	BCRDL	0.074	<0.005	<0.005
Iron	1.11	7.9	3.1	<0.05	<0.05
Lead	0.036	0.022	0.021	<0.005	<0.005
Magnesium	12.0	100	83	<0.5	<0.5
Manganese	0.03	0.30	0.10	<0.01	<0.01
Potassium	BCRDL	BCRDL	17	<1.0	<1.0
Silver	<0.0005	<0.0005	BCRDL	<0.0005	<0.0005
Sodium	20.0	140	650	<5.0	<5.0
EA Number	11410		11411	11412	11416

(a) Parameter was detected in the method blank

NOTE: BCRDL = Detected Below Contract Required Detection Limit; BDL = Detected Below Detection limits effected by concentration of other constituents.
Due to missed holding times, pesticides and PCB's were analyzed from additional samples collected on 3 and 5 June 1987.

This analytical program included the full HSL, however, this summary table includes only those parameters detected in at least one sample. Refer to Appendix 3 (bound separately) of this report for the full CLP analytical package.

TABLE 4-1 SUMMARY OF RESULTS OF ORGANIC AND INORGANIC PARAMETERS DETECTED IN A WASTE SAMPLE COLLECTED AT THE DEARCOP FARM SITE DURING THE PHASE II INVESTIGATION

Parameters	DR-D1	DR-D1 EPTOX(a,c)
Volatiles (µg/kg)(a)		
Methylene chloride (b)	11	
Acetone (b)	13	
2-Butanone (b)	BCRDL	
Metals (mg/kg)(d)		
Aluminum	2,940	
Arsenic	6.24	10 µg/l
Barium	14.3	5 µg/l
Beryllium	BCRDL	
Cadmium	1.7	ND
Calcium	1,000	
Chromium	1.74	25 µg/l
Cobalt	BCRDL	
Copper	14	
Iron	13,000	
Lead	114	300 µg/l
Magnesium	378	
Manganese	15,600	
Mercury	0.05	ND
Nickel	11	
Potassium	68	
Selenium	ND	ND
Silver	BCRDL	ND
Sodium	300	
Zinc	9.63	
Ignitability	No flash to 60 C	
Corrosivity (pH Units)	5.3	
Reactivity	No reaction observed	

(a) Sample of waste on 15 November 1985
(b) Parameter was detected in the method blank
(c) Analysis conducted on an EP Toxicity extract of waste sample. Results reported in mg/L
(d) Additional sample obtained from same waste, 4 April 1986. (To complete metals and EPTOX Metals Analysis)

NOTE: ND = Not Detected; BCRDL = Detected below contract required detection limit.

This analytical program included the full HSL, however, this summary table includes only those parameters detected in at least one sample. Refer to Appendix 3 (bound separately) of this report for the full CLP analytical package.

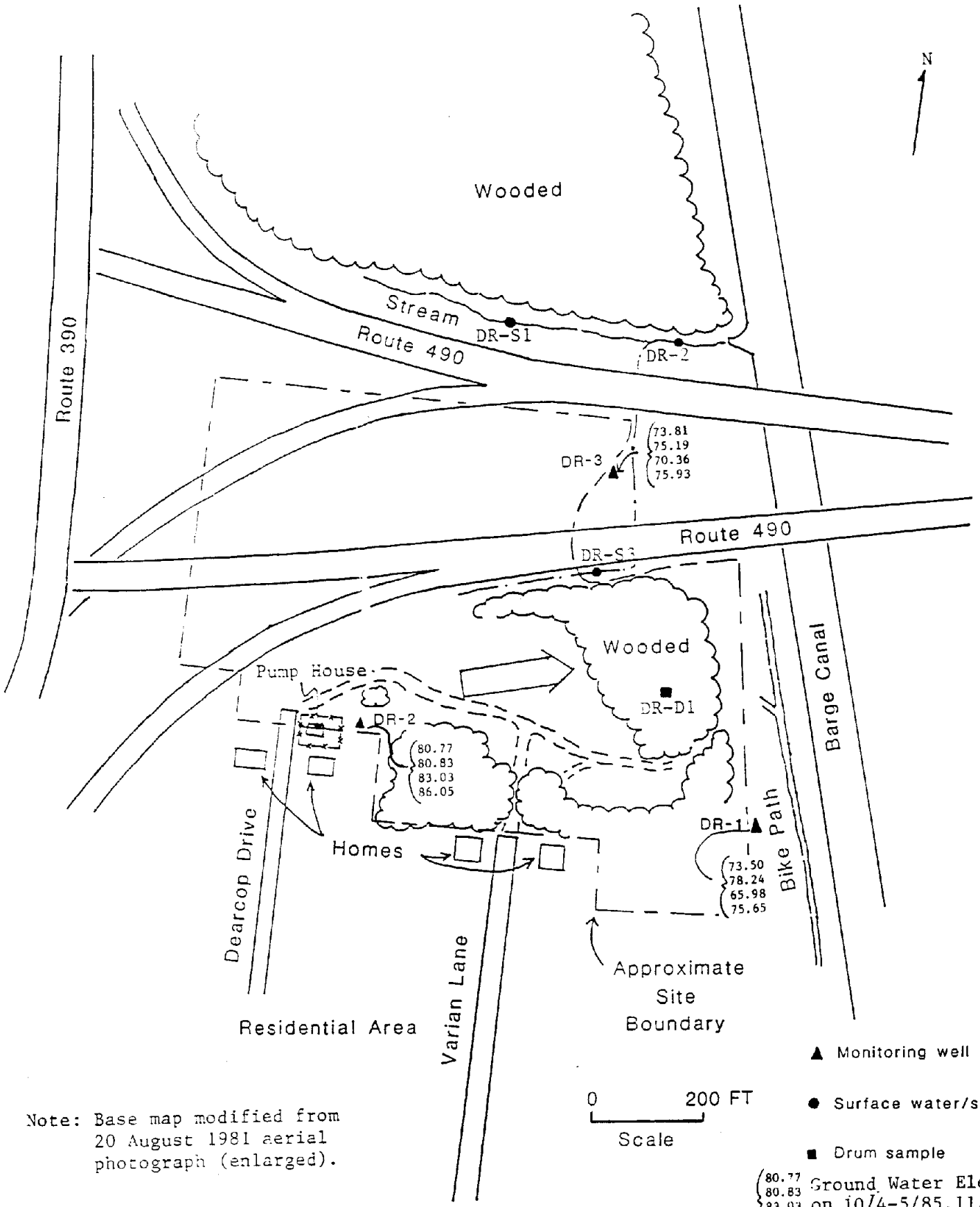
TABLE 4-4 SUMMARY OF RESULTS OF ORGANIC AND INORGANIC PARAMETERS DETECTED IN SOIL SAMPLES COLLECTED AT THE DEARCOP FARM SITE, 15 NOVEMBER 1985

Parameters	DR-S1	DR-S2	DR-S3	Method Blank
Volatiles (5µg/kg)				
Methylene chloride(b)	21	29	18	8
Acetone(b)	20	17	BCRDL	BCRDL
Trans-1,2-Dichloroethene	BCRDL			
2-Butanone(b)	BCRDL	BCRDL	BCRDL	BCRDL
Trichloroethene	BCRDL			
Toluene	BCRDL			
Semi-Volatiles (5µg/kg)				
Bis(2-ethylhexyl)phthalate(b)	BCRDL	BCRDL	BCRDL	
Di-n-butyl phthalate(b)		BCRDL		
Fluoranthene		BCRDL	BCRDL	
Pyrene		BCRDL	BCRDL	
Pesticides (5µg/L)(a)				
Dieldrin	84.1			
Metals (mg/kg)				
Aluminum	4,200	3,400	4,700	
Arsenic	2.0	1.9	4.6	
Barium	29	25	61	
Beryllium	0.196	0.171	0.246	
Cadmium	0.16	0.42	1.4	
Calcium	46,000	70,000	35,000	
Chromium	5.8	6.2	7.6	
Cobalt	2.9	2.5	3.0	
Copper	11	17	68	
Iron	11,000	3,600	14,000	
Lead	18	40	120	
Magnesium	13,000	25,000	13,000	
Manganese	250	260	240	

(a) Additional sample collected on 3 and 5 June 1987 due to missed holding times.

(b) Parameter was detected in the method blank.

NOTE: This analytical program included the full HSL, however, this summary table includes only those parameters detected in at least one sample. Refer to Appendix 3 (bound separately) of this report for the full CLP analytical package.



Note: Base map modified from 20 August 1981 aerial photograph (enlarged).

FIGURE 4-1. MAP OF GROUND WATER FLOW DIRECTION

File

New York State Department of Environmental Conservation

MEMORANDUM

MOB:dm
bcc: M. Komoroske
B. Pine
T. Manickam

TO: Frank Shattuck, Reg. Solid & Haz. Waste Engineer, Region 8
FROM: Margaret O'Brien, Bureau of Hazardous Site Control MOB
SUBJECT: Dearcop Farm (#828016) - Phase II Final Report
DATE: July 12, 1988

Accompanying this memorandum are five (5) copies of the above-referenced report. Copies will be distributed to the site owner, USEPA, State Health Department and the Town of Gates. Please send a copy of the report to the appropriate County or District Health Office.

The site classification is presently 2a. HRS scores are:

S_M=8.51 (Sgw=13.27, Ssw=6.38, Sa=0)

S_{FE}=N/A

S_{DC}=62.50

Analytical results from the investigation indicate that groundwater in the area is contaminated with volatile organic compounds. Elevated concentrations of four halogenated organics (1.1-dichloroethane, t-12-dichloroethane, 1,1,1-trichloroethane, and trichloroethylene) were found in all three wells; concentrations were significantly higher in two of the wells than in the third. In addition, 1,1-dichloroethene was found in one of the wells while a second contained vinyl chloride and benzene. These additional constituents were also at significant concentrations.

These results raise some question as to the viability of the chosen upgraident location; however, it has been speculated that this location is in actuality too close to the fill area to assess true ambient conditions. HRS scoring was based on the presence of benzene (300ppb) in one of the downgradient wells. This compound was not detected at the presumed upgradient location.

Furthermore, concentrations of several metals (Cd, Cu, Pb, Ag) are significantly higher (greater than five times the detected upgradient concentration) in one of the downstream sediment samples with respect to the upstream location.

There does not appear to be another source of contamination in the immediate vicinity of the site.

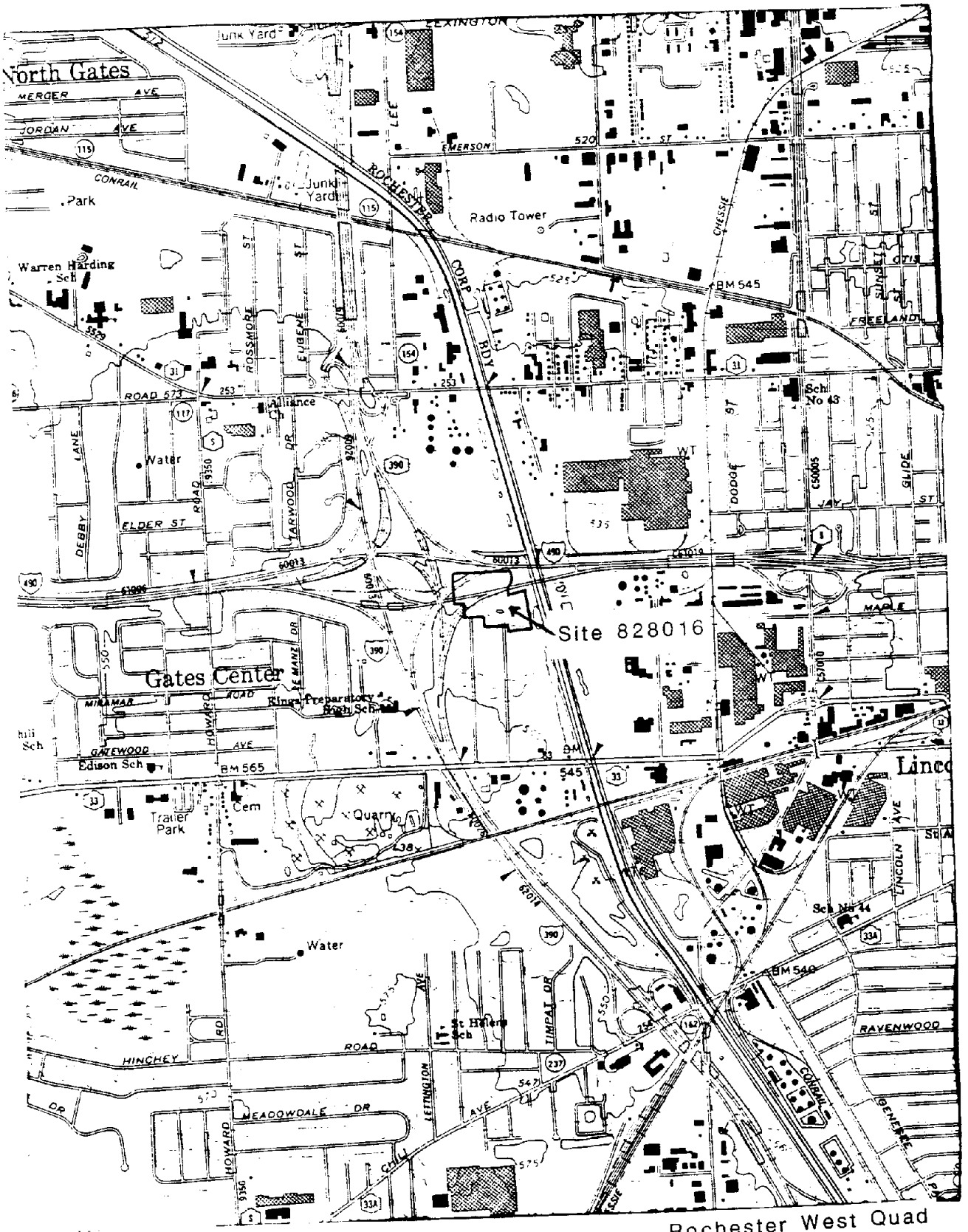
The consultant has recommended a Remedial Investigation/Feasibility Study to better define the extent and nature of the contaminants on-site. This would require a change in classification based upon the results of this investigation. You will be kept apprised of any further action taken by this Bureau with reference to this site. In the meantime, any additional information you may have is herewith solicited.

Attachments

rdinates:

de: 43° 09' 20"
ude: 77° 40' 34"

DEARCOP FARM SITE



Rochester West Quad
7.5 Minute Series
1980 Edition
Scale 1:24000

FIGURE 1-1.

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SITE CODE.(7)..: 828016
TYPE-SI/OW/OP..: OW
PROG.TYPE/SEQ..:

SITE NAME......: Charles Dearcop
ADR............: 930 Elmgrove Rd.
CITY...........: Rochester
STATE-NY/NJ/PA.: NY
ZIP CODE (9MAX): 14624
CONT.NAME-FIRST:
CONT.NAME-LAST.:
CONT.TELEPHONE.:
**DEL CODE(D)..:
```

```
   ADDRESS-FILE DATA              Filename: F.ADRALT            Mode: UPDATE
Record type: 01          Last record type: 01              Auto-dup: OFF
SITE CODE.(7)..: 828016
TYPE-SI/OW/OP..: OW
PROG.TYPE/SEQ..: 02

SITE NAME......: NYS Dept. of Transportation
ADR............: State Office Building Campus
CITY...........: Albany
STATE-NY/NJ/PA.: NY
ZIP CODE (9MAX):
CONT.NAME-FIRST:
CONT.NAME-LAST.:
CONT.TELEPHONE.:
**DEL CODE(D)..:
```