New York State Department of Environmental Conservation Division of Hazardous Waste Remediation Bureau of Hazardous Site Control

ADDITIONS/CHANGES TO REGISTRY: SUMMARY OF APPROVALS

SITE NAME: 93 MAIN STREET			DEC	I.D.	NUMBER 704027
Current Classification		······································			
Activity: Add as 2 Reclass	ify to	·		Deli Cate	st gory Modify
Approvals:					
Regional Hazardous Waste Engineer	Yes			No	
NYSDOH BEEI	Yes			No	
DEE	Yes	V		No	
BWRA Remediation Action Bureau Director	Yes			No	
BHSC: a. Investigation Section	Yes			No	
b. O&M Section [Class 4]	Yes	n/a		No	
c. Site Control Section	K	MA	M	n M	11) Date 12/9/96
d. Director		24		<u></u>	Date 12/16/96
Completion Checklist					Completed By:
OWNER NOTIFICATION LETTER?		V			Initials Date Date
ADJACENT PROPERTY OWNER NOTIFICATION LETT	ER?			-	<u> 1/2/4</u> 7
ENB/LEGAL NOTICE SENT? (For Deletion Only)					<u> </u>
COMMENTS SUMMARIZED/PLACE IN REPOSITORY					
FINAL NOTIFICATION SENT TO OWNER? (For Deletion Only)		<u> </u>			
					ing to deben
(For proposed Class 2a sites only) Planne	a inve	stigativ	ve act	:1V1t	les & dates:
		····			



SITE INVESTIGATION INFORMATION

1. SITE NAME		2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY				
93 Main Street		704504	Binghamton Broome					
5. REGION	6. CLASSIFICATION							
7		CURRENT	PROPOSED New 2 M	ODIFY				
7. LOCATION OF SITE (Attac	ch U.S.G.S. Topographic Mar							
a. Quadrangle: Binghamton	West							
b. Site Latitude42°0	6' _05" Site Longitud	<u> 75</u> ° <u>56</u> ′ <u>25</u> "						
c. Tax Map Numbers 30401	8,304020,304013							
d. Site Street Address 89 M	ain Street, 93 Main Street, 2	5 Arthur Street, Binghamtor	1					
8. BRIEFLY DESCRIBE THE S	ITE (Attach site plan showing	g disposal/sampling location	o)					
company until 1980, a large,								
a. Area <u>.8 acres</u> b. EPA	ID Number N/A	_						
c. Completed ()Phase I	()Phase II Mr PSA	()RI/FS ()PA/SI (Other					
9. Hazardous Waste Dispose	d (include EPA Hazardous W	(aste Numbers)		ĺ				
		lec. Cinup Gwater Samı	_					
Chlordane U03	ррb 36, КО97 600.0	ppb ppb .54 118.0	рр ь .1					
Gamma BHC	2.4	0.06 600,0	nd < 0.05					
4,4'DDD + 2,2'DDD Aidrin	220.0 29.0	Ttl<10 120.0 0.041 160.0	nd < 0.01 nd < 0.01					
4,4'DDT V06		2.1 110.0	nd < 0.01					
Dieldrin PO3		0.044 40.0	nd < 0.01					
Beta-BHC Endosulfan Sulfate	3.7 1.6	0.2 .08 1.0 ND	nd < 0.05 NA	ì				
	9, K097 1.0	0.1 20.0	nd < 0.05					
4,4'DDE U06		2.1 1.4	nd<0.01					
Endrin Keton e Endrin	0.33 0.22	Ttl<10 5.8 0.1 0.16	nd < 0.05 nd < 0.01					
See attached Data Table for								
a. ()Air (X)Groundwater ()Surface Water ()Sediment (X)Soil ()Waste ()Leachate ()EPTox ()TCLP b. Contravention of Standards or Guidance Values NYSCRR Title 6, Ch. 11, 703.5 11. CONCLUSION Levels of Chlordane, Gamma BHC, 4,4'DDD+2,2'DDD, Aldrin, 4,4 DDT, Dieldrin, Beta BHC, Endosulfan Sulfate and Heptachlor were found in the soils at levels many orders of magnitude above the Recommended Cleanup Levels. In groundwater, Chlordane, Gamma BHC, 4,4'DDD+2,2'DDD, Aldrin, 4,4'DDT, Dieldrin, Heptachlor, 4,4'DDE, Endrin Ketone and Endrin exceed the groundwater standards. Therefore, with the understanding that there is a clear contravention of groundwater standards and that disposal of hazardous waste is documented by the high levels of pesticides which presently exist in the soil, and, since the site is located over a Sole Source Aquifer, and presents a threat to the aquifer and drinking water supply; this property should be listed as a Class 2								
site.	***	<u> </u>						
12. SITE IMPACT DATA a. Nearest Surface Water: Di	stanca O.5 mile #	Direction	Classification B					
b. Nearest Groundwater: Dep		Flow Direction SSE	(X)Sole Source ()Primary ()Princi	pal				
c. Nearest Water Supply: Dis		Direction NW Non-po	· · · · · · · · · · · · · · · · · · ·	F=-				
		Direction	Use Residential and Commercia	.i				
d. Nearest Building: Distance			i. Controlled Site Access?	()Y (X)N				
e. In State Economic Develop								
f. Crops or livestock on site?		()Y (X)N	j. Exposed hazardous waste?	(X)Y ()N				
g. Documented fish or wildlif		()Y (X)N	k. HRS Score <u>n/a</u>					
h. Impact on special status fi	ish or wildlife resource?	()Y (X)N	I. For Class 2: Priority Category 1					
13. SITE OWNER'S NAME		14. ADDRESS		15. TELEPHONE NUMBER				
Robert J. (Deceased) & M	ary A. McMahon	11 Elfred St., Johns	on City, NY 12790 T	(607) 797-1162				
16. PREPARES Signature	for Christ	ine Rossi 12-9-96	17. APPROVED X Signature Dat	I Fol H. Barcas				
-	ardous Waste Remediation, I		Director RHSC . T	ER				
	Title, Organization		Name, Title, Organization					
	, vigaritantinii		,, o. Beniranoni					



Office of Public Health

Il University Place Albany, New York 12203-3399

Barbara A. DeBuono, M.D., M.P.H. Commissioner

November 19, 1996

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

RE: Site Investigation Information Package

93 Main Street Site Binghamton (C), Broome County Site #704504

Dear Mr. Barcomb:

My staff have reviewed the listing package for the 93 Main Street Site located in the City of Binghamton in Broome County. There is significant contamination of soil and groundwater with pesticides at this site. There is chlordane, heptachlor and a variety of other pesticides in surface soils. The site is located on a Sole Source Aquifer. The listing and subsequent investigation will allow an evaluation of the public health significance of the site. I concur with the listing of 93 Main Street as a Class 2 Hazardous Waste Site.

Thank you for the opportunity to comment. Should you have any questions, please contact Mr. Gary Litwin at 518-458-6306.

Sincerely,

G. Anders Carlson, Ph.D.

Director

Bureau of Environmental Exposure

lender Carl

Investigation

#61130236

cc: Dr. N. Kim

Mr. G. Litwin/File

Ms. B. Metzger - Local Health Services

Mr. R. Heerkens - Syracuse Field Office

Mr. R. Brink - Broome County Health Department

Mr. R. Schick - NYSDEC Central Office

Mr. C. Branagh - NYSDEC Region 7 Office

Mr. T. Suozzo - NYSDEC Region 7 Office

CLASSIFICATION WORKSHEET

,	93 Main Street	County:	Broome	Region:	7	
Site:	rdous waste disposed?		N (Stop	o) 🔲 U	(Stop)	
]. Haza	sequential amount of	711 (50 2)	☐ N (Stor	o) 🗇 U	(XXXXX) (Sto	p)
haza	ardous waste:					
3. Part	t 375-1.4(a)(l) applies?	☐ N (to 4)	υ		-,	
		XY (as che	cked below;			
r⊓a (endangered or threatened	- F -	ar wild	hellfish, ci life		
	streams, wetlands or coas		e. fire, s	pill, exploreaction	sion or	
		X	f proximi	ty to peop?	e or	
□ c.	bioaccumulation		water s	supplies		
			(400)	บ (Cl 2a; S	top)	
4. Pā	art 375-1.4(a)(2) applies?	N (C1 3	, 3000) ==	,		
	Y (Class 2; to 5)					
_						
_						
5. F	actor(s) considered in ma	king this det	ermination:	Sampling	data	
f	rom 8/16/95 shows exceedar	ice of ground	vater Stand	ards for han		
-	esticides and high levels	in the soils	. Consider	ing the aqui	fer is	
- -	ESCICIOES and 11.5					
_	laccified as a sole source	aquifer and	high level	s are preser	nt, the	
C -	lassified as a sole source	e aquifer and	high level	s are preser	it, the	
p	oublic water supply is dir	e aquifer and	high level	s are preser	it, the	
p	lassified as a sole source oublic water supply is dire significant threat.	e aquifer and	high level	s are preser	it, the	
p	oublic water supply is dir	e aquifer and ectly threate	high level	presented w	ith a	
p	oublic water supply is directions of the significant threat.	e aquifer and ectly threate \overline{X}	high level	s are preser	ith a	
p	oublic water supply is diresignificant threat.	e aquifer and ectly threate waste $\frac{X}{X}$	high level	s are presented w	ith a	
p	oublic water supply is directions of the significant threat. 1974 Consequential Hazardous 3:gnificant Threat	e aquifer and ectly threate waste $\frac{X}{X}$	high level	s are presented w	ith a	

NEW YORK STATE DEPARTMENTS OF ENVIRONMENTAL CONSERVATION AND HEALTH INACTIVE HAZARDOUS WASTE DISPOSAL SITE PRIORITY RANKING WORKSHEET

site i.b site name <u>93 Main Street</u> , Bingnamton
Priority I - Sites for which remediation should supersede all other Class 2 sites. Priority I can be assigned if any one of the following questions can be answered affirmatively.
a) Has a public or private water supply which is currently in use been contaminated or threatened?
Priority II - Important Sites. Priority II will be assigned if any of the following questions can be answered affirmatively.
a) Has a Class A or AA surface water body or a primary or principal aquifer been contaminated or threatened without contaminating or threatening an existing water supply? b) Has bioaccumulation of site contaminants in flora or fauna resulted in actionable levels (but not a health advisory)? c) Are contaminants at levels chronically toxic to fish/wildlife?
• Priority III - will be assigned unless one or more of the site prioritization criteria, specified above, apply to a site. After remedial needs for Priority I and II sites have been accommodated, remediation of sites under this category can be considered. If priority III, check box 3.
Enter the number of the priority box checked 1, 2, or 3 here
FACTORS IJC Factor - If the site has been identified by the International Joint Commission (IJC) as a component in a remedial action plan, subtract (1) from the value in box 4 and enter the result in box 5
Community Support Factor - If the site has been targeted for local government- Yes No supported development, should this fact cause the site priority to be raised?
If either "yes" box is checked, subtract 1 from the value in box 4 and enter the result into box 6. If "no" is checked, the value in box 6 equals box 4 (or box 5 if applicable). If both IJC and EDZ/Community Support factors apply, only 1 (not 2) will be subtracted form the value in box 4. The resultant value in box 6 will never be less than 1
IRM NOTE: Should this site be considered a candidate for an Interim Remedial Measure (IRM) as defined by 6NYCRR Part 375-1.3n?
If "yes", please explain why:
Christine Rossi Date 1/10/96
Preparer Christine Rossi Date 1/10/96

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

010997

CLASSIFICATION CODE: 2 REGION: 7 SITE CODE: 704027

EPA ID:

NAME OF SITE: Ninety-Three Main Street

STREET ADDRESS: 93 Main Street

TOWN/CITY: COUNTY: ZIP: Binghamton Broome 13905

SITE TYPE: Open Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: .8 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME...: Estate of Robert L. McMahon
CURRENT OWNER ADDRESS.: 11 Elfred St., Johnson City, NY

OWNER(S) DURING USE...: Mary A. McMahon & Estate of R.J. McMahon

OPERATOR DURING USE...: McMahon Brothers Pest Control OPERATOR ADDRESS.....: 93 Main St., Binghamton, NY

PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From To

SITE DESCRIPTION:

The site is located in a commercial area of the City. Three parcels are involved; a large recently abandoned apartment building, which also housed an extermination company until 1980, a large burned out and abandoned apartment building, and an occupied residence. The abandoned property is occasionally used by vagrants.

The site has been associated with the Almy Brothers Site. There is a paved area behind the building that was used for pesticide mixing and storage. This is the area of highest contamination.

HAZARDOUS WASTE DISPOSED:

TYPE

QUANTITY (units)

chlorodane (U036, K097)/ Gamma BHC/ 4,4DDD+2/ unknown

2'DDD/ aldrin/ 4,4DDT (U061)/ dieldrin (P037)/ "beta-BHC/ endosulfan sulfate/ heptachlor (P059 & "

K097) / 4,4'DDE (U060) / endrine ketone/ endrine

Page 7 -

SITE CODE: 704027

ANALYTICAL DATA AVAILABLE:

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

CONTRAVENTION OF STANDARDS:

Groundwater-X Drinking Water-X Surface Water- 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: Cv (cut and fill lands, gravelly material)

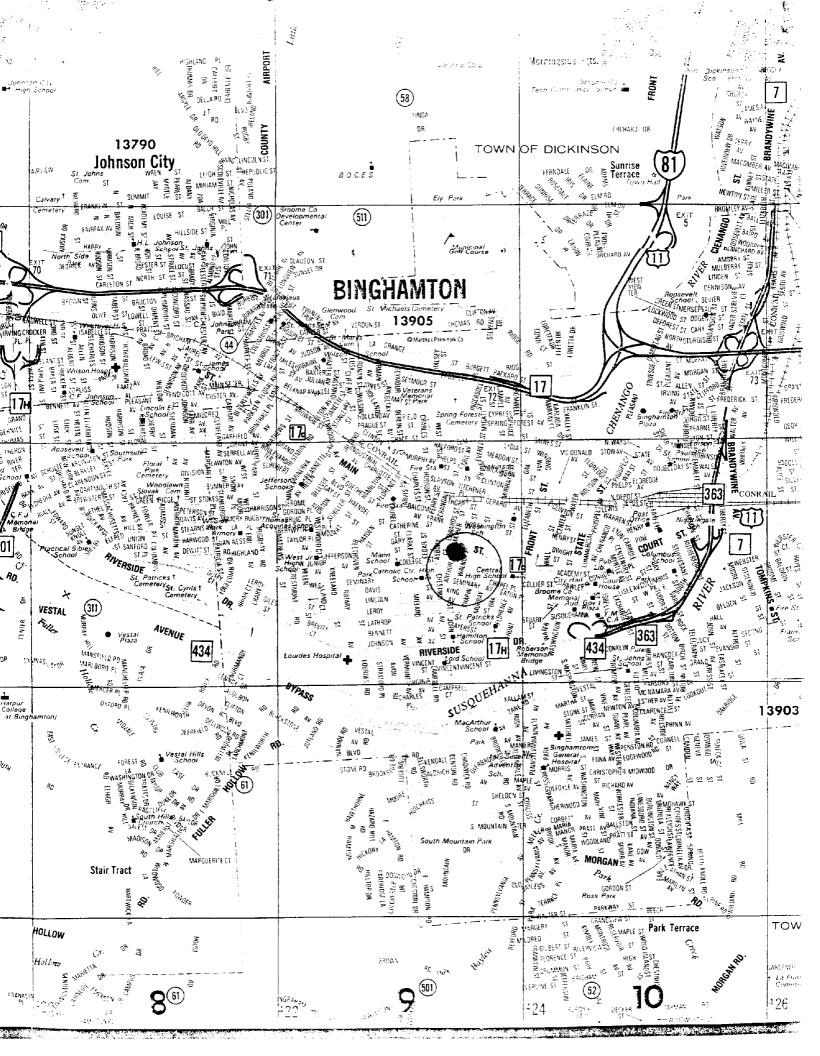
GROUNDWATER DEPTH: 6 ft.

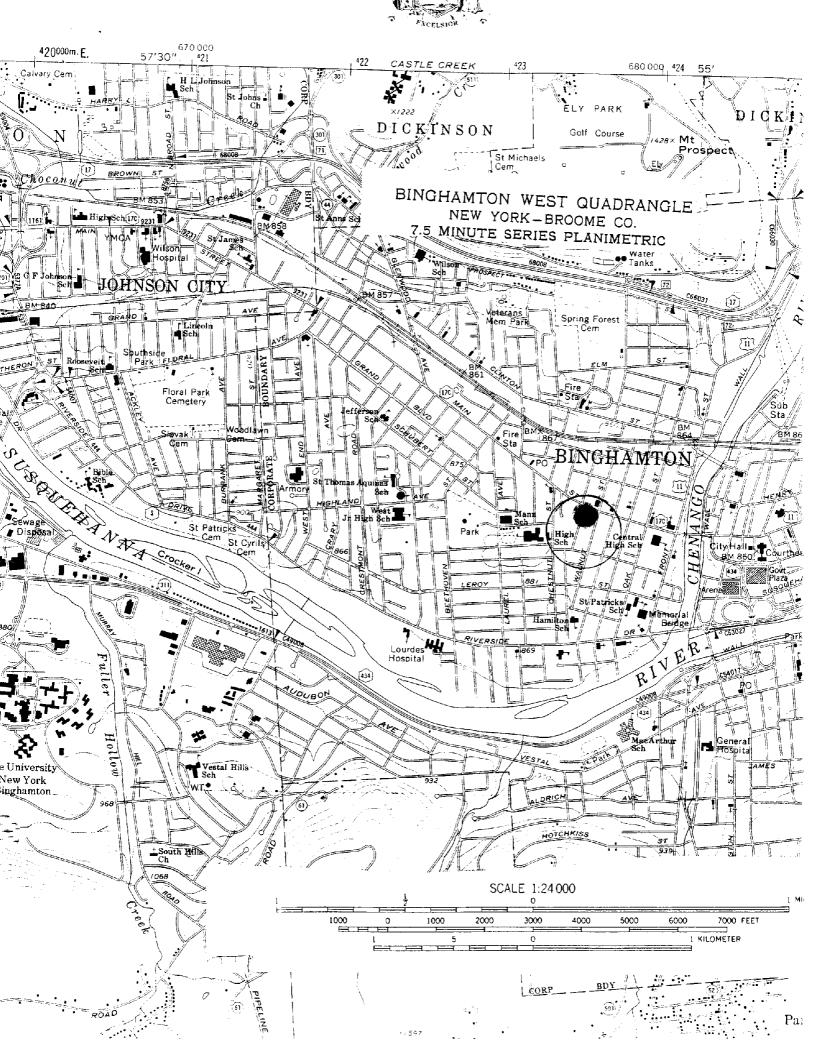
ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Geoprobe sampling of soils and groundwater show significant threat to the sole source aquifer.

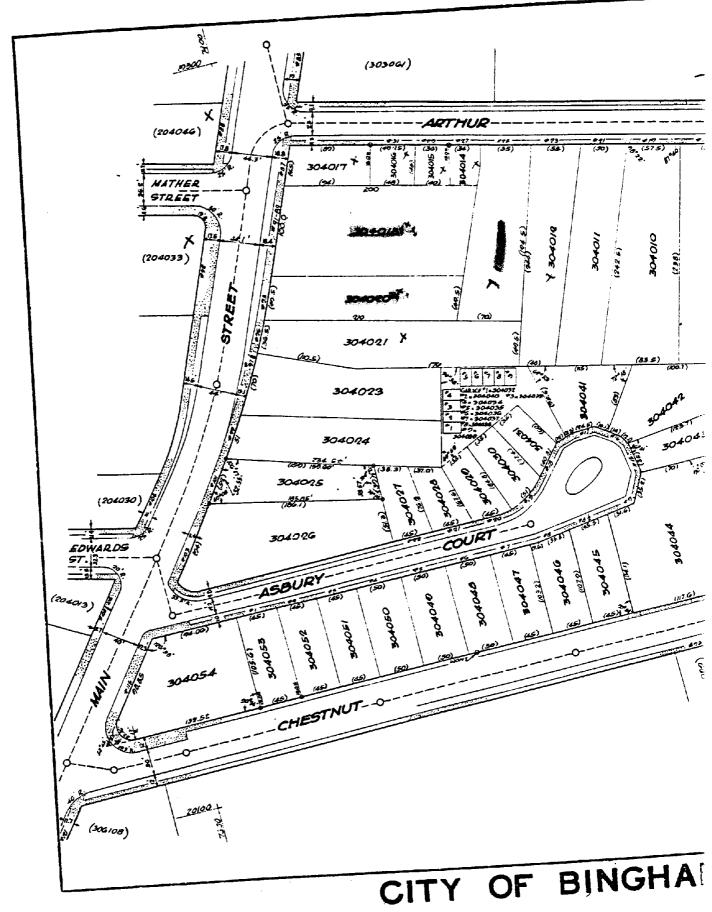
Groundwater levels for pesticides are orders of magnitude over standards and high levels exist at and below the soil surface.

ASSESSMENT OF HEALTH PROBLEMS:





SAMPLE LOCATION MAIN SIKEE! BLILDING GPI4 PH-7-DEPRESSION IN PAYEMENT MAGNETOMETER SURVEY AREA GEOPROBE HOLE LOCATION, AUG. 1995 GEOPROBE HOLE LOCATION MAY 1995 DEBRIS SURFACE SAMPLE LOCATION, AUG. 1995 DRYWELL **DEBRIS** GAYNOR associates inc. SAMPLE LOCATIONS 93 MAIN STREET BINGHAMTON, NEW YORK DR BY: 1" = 30<u>7</u>± 95293 CSM REVIL BY: ORMG. NO: AUGUST, 1995 TECHNSITEPLAN





January 9, 1997

To the file for 93 Main Street, Binghamton

I spoke w/ Suzan M. Mahon today re
a guestion on the lay-out of the site.

She was uncertain as to a statement in
the site description indicating that
there are three parcels involved.

I referred her to Region 7.

Thanas M. Koch 1-9-97 New York State Department of Environmental Conservation



Commissioner

MEMORANDUM

To:

Robert Marino, Site Control, Zip 7010

Charles Branagh, Region 7 000

Subject: 93 Main St., Binghamton, Listing Package

Enclosed please find the Site Information Form, Sample location map, site map, tax map, Priority Ranking Worksheet and a summary of the sample results.

We are requesting this site be listed as a Class 2, Priority I site. Since this site is over a Sole Source Aquifer, and results showed substantial levels of chlordane and other pesticides in the ground water, we believe the public water supply has been threatened. We have had communications with NYSDOH concerning this site but no commitments have been made by that agency regarding human exposure to contaminants. The level of pesticides on the surface seems to be at level NYSDOH would be concerned about. corresponding box on the Priority Ranking Worksheet has been left blank until confirmation from NYSDOH is received.

The Adjacent property owners are as follows:

304012 (23 Arthur St.) Goldburg, Ross E., & Grant, Ronald C. 23 Arthur St. Binghamton, NY 13905-3605

204033 (92 Main St.) West Side Mini-Mart Binghamton, NY 13905

304021 (95 Main St.) Shaffer, William 93 Main St. Binghamton, NY 13905

204046 (88 Main St.) Pinker, Lamont T.& Rosanne 22 Campbell Rd., Binghamton, NY 13905-4304

Adjacent property owners continued:

304021 (95 Main St.)
Chumsky, Alvin L., Collins, Constance C., & Finkelstein,
Michael L.
87 Main St.
Binghamton, NY 13905-2813

304014 (27 Arthur St.)
304015 (29 Aurthur St.)
McMahon, Robert J. & Mary A.
93 Main St.

304016 (31 Aurthur St.) Fraser, Duane G. 292 Smith Hill Rd. Binghamton, NY 13905

Binghamton, NY 13905-2817

Properties to be listed:

304013 (25 Arthur St.) 03-0004-018 (89 Main St.) 304020 (93 Main St.) McMahon, Robert J.& Mary A. 93 Main St. Binghamton NY, 13905-2813

NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

LABORATORY VOLATILE ANALYSIS

SITE NAME SIN ST. - BINGHAMTON

FIELD ID

SITE COS PERCENT SOLIDS: NA

SAMPLE MATRIX: WATER

SUBMISS: 08/23/95 ARCHIVE ND.: U23507

ANALYSIS DATA FILE NO.:9503B65A.D

ANALYSIS	3/24/75	DATA FILE NO / / 0 / DO / A. D	
COMPOUND	CONC (PPB)	I COMPOUND	CONC (PPB)
Vinyl Chloride	ND	4 - Chloratoluene	ND
Bromomethane	ND	1,3 - Dichlorobenzen	
Chlorosthane	ND	1,4 - Dichlorobenzen	
Trichlorofluore	ND	1,2 - Dichlorobenzen	
Acetone	ND	1 1,2,4 - Trichloroben	zene ND
1,1-Dichloroet	ND	1 1,2,3 - Trichloroben	zene ND
Carbon disulfic	ND	1	
Methylene Chick	ND		
trans-1,2-Dich	ne ND	I NON-TARGET COMP	DUNDS
1,1-Dichloroet	ND		
Vinyl Acetate	ND	1 . SEVERAL SUBSTITUTED	
2-Butanone	ND	PRESENT - CONCENTRAT	IONS NOT
cis-1,2-Dichle	ND	1 CALCULATED.	
Chloroform	ND	I MAPHTHALENE PRESENT	
1,1,1-Trichlor	ND	I TION NOT CALCULATED.	
Carbontetrach	ND	I SEVERAL SUBSTITUTED	
1,2-Dichloroet	ND	I PRESENT - CONCENTRAT	IONS NOT
Benzene	40 J	I CALCULATED.	
Trichloroethene	ND	1	
1,2-Dichlorop	ND	1	
Bromodichlorom	ND		
4-Methyl-2 Pen	ND	!	
cis-1,3-Dichlo	ND ND		
Toluene	40 J	•	
trans-1,3-Dich	pene ND		
1,1,2-Trichlor	ND	1	
2-Hexanone	ND		•
* Tetrachlorseth	NO	to the state of th	e fil
Dibromochlorome	ND		
Chlorobenzene	70	!	
Ethylbenzene (130	1	
M,P-Xylene	370	I NO LEGE THAN E	· o - DDD
0-Xylene	495	I ND = LESS THAN 5	U FF6
Styrene	40 J	ALL MODERNMENT COLOR	LECC TUAN
Bromoform	ND	1 ALL CONCENTRATIONS	
1122Tetrachlore	ND	50 PPB ARE ESTIM	IH I E D
2-Chlorotaluene	ND ND	1	

TOU PERITOIDES NAMEDOLUMENT ANALYSIS

93 MAIN STREET

93 MAIN STRE SITE NAME: BINGHAMTON	F:ELD ID: PH1					
SAMPLE NUMBER: 795-2 35-		FKTRACTION METHOD: SPE				
MATRIX: WATER		% SOCID: NO				
PESTICIDE	GUANT (ug/l)	DETECTION LIMIT:				
ALPHA-BHC	0.02	PESTICIDES - CRDL				
BETA-BHI	0.11	AROCLORS - CROL				
		DILUTION FACTOR - 1				
GAMMA-8HC	0.07					
HEPTACHLOR	I ND I					
ALDRIN	I ND I					
HEPTACHLOR EPOXIDE	0.04	AROCLOR GUANT (ug/l)				
ENDOSULFON I	1 00M 1	1016 ! NA				
DIELDRIN	1.5	1221 ! NA				
4,4'-DDE	1 DD 1					
ENDRIN	I ND I					
ENDOSULFAN II	I DD I	1248 NA				
	I ND I					
ENDOSULFAN SULFATE	I ND I	1260 NA				
4,4'-DDT	I ND I					
ENDRIN ALDEHYDE	I ND I					
ENDRIN METONE	1 0.02 1					
METHOXYI HLOR	I ND I					
CHLORDANE (AL PHA/GAMM A)						
TOXAPHE! E	I NA I					

TOU PESCIPTIONES/APOCHORS ANALYSIS

93 MAIN STREET

F:ELD 10: PHIA SITE NAME: BINGHAMTON EXTRACTION METHOD: SFE SAMPLE NUMBER: 795-235-00 _____ % SOLID: NO MATRIX: SUIL DETECTION LIMIT: - QUANT (ugzko) PESTICIOE PESTICIDES - CROL AROCLORS - CRDL ND I DELTA-BHIL DILUTION FACTOR - 1 1 ND 1 4.7 HEPTACHLOR T ND E ALDRIN _____ HEPTACHLUR EPOXIDE 5.6 1 AROCLOR DUANT (ug/kg) ______ 1016 ND I ENDOSULFAN I 1221 H NA 1 27 L 1232 | NA I D I 4,4'-DDE 1242 NA 1 ENDRIN 1248 1 ND 1 NA ENDOSULFON II _____ 1254 I NA 4,4'-000+2,4'-000 | ND | 1

1260 I NA

4,41-DDT IND I
ENDRIN ALDEHYDE IND I
ENDRIN KHITONE IND I
METHOXYCHLOR IND I
CHLORDANE (ALPHA/GAMMA) | 560/650 I

ENDOSULF N SULFATE ND

TOXAPHENE

THE PEST TOESZAROLLORS / GLYSIS

93 MAIN STREET

SITE NAME: BINGHAMTON FIE D ID: PHIB

SAMPLE NUMBER: 795-235-03 EX FACTION METHOD: SEE

MATRIX: SHIE % SHEID: NC

PESTICIDE	.,	JANT	(ug/kg)
ALPHA-8HC	1	ND	1
BETA-BHC	1	МΩ	1
DELTA-BHC	1	ND	
GAMMA-BHID	i	3.2	1
HEPTACHLOR	l	50	
ALORIN	ŀ	ND	1
HEPTACHLUS FPOXIDE	ļ	8.6	1
ENDOSULFAN 1	!	МО	
DIELDRIN	!	MD	
4,4'-00s	i	4.8	1
ENDRIN	1	NO	1
ENDOSULFAN II	;	ND	1
4,4'-DDD + 2,4'-DDD	1	16	•
ENDOSHI FOR SULFATE	1	140	
4,4'-DDT	1	4, 3 	1
ENDRIN ALDEHYDE	!	HC	1
ENDRIN KETONE	1	NC	1
METHOXYCHLOR	ı	FII.	1
CHLORDANE (ALPHAZOZIMA)	;	54112	4 77)) 1
COXAPHET 5		1.1	

DETECTION LIMIT:

PESTICIDES - CROL

₹ 2.000,000,000

AROCLORS - CROL

DILUTION FACTOR - 1

AROCL OR		THALLO	(ug/kg)
1016	1	NE	<u></u>
1221		NE	4
1232	1	NF	4
1242		MA	`
1248	1	M4	
1254	1	464	 4
1260	1	1:46	

TCL PENTILIDESZDEDDLOFF ONOLYSIS

N STREE!

METHOXYCHLOR

TOXAPHENE

CHLORDANE (AL

FIELD ID: PHIC SITE NAME:

FRIRACTION METHOD: SEE SAMPLE NUMBER

MATRIX: SOIL					% SULID: N	41.3 		
PESTICIDE			DUANT (ugzko)	DETECTI	TIN I. IM	11:	
ALPHA- BHII			ND	1	PESTI	CIDES	- CRDI	L
BETA-BHC		1	ND		AROCL	ORS -	CRDL	
DELTA-BHC		1	ND	1	דטונס	ION FA	CTOR -	1
GAMMA-BHC		1	ND					
HEPTACHLOR			670					
ALDRIN		1	ND	1				
HEPTACHLOR EPO			29	1	AROCLO	or Q	THAU	ug/kg)
ENDOSULFAN I		1	ND		1016	1	NA	
DIELORIN			ND	1	1221	1	NA	
4,4'-DDE			250	1	1232	1	NA	
ENDRIN			ND	1	1242	1	NA	
ENDOSULFAN II.	i i		ND	1	1248	1	NA	
4,4'-00D + 2,			310		1254	1	NA	
ENDOSULFAN S			ND	I	1260	1	NA	
4,4'-DDT			2300	1	ngge aga man dan vint b			
ENDRIN ALDEH			ND.	1				
ENDRIN KETONE			ND	1				
					•			•

1 3500/2300 1

NA

CL PESTICIDES/AROCLORS ANALYSIS

93 STREET

SITE NAME: BI GN FIELD ID: PH2C

SAMPLE NUMBER: 235-14 EXTRACTION METHOD: SFE

MATRIX: SOIL % SOLID: NC

PESTICIDE		QUANT (ug/	kg)	DETECTION	LIMIT:
ALPHA-BHC		I ND	1	PESTICI	DES - CROL
BETA-BHC		I ND	1	AROCLOR:	5 - CRDL
DELTA-BHC		I ND	1	DILUTIO	N FACTOR - 1
GAMMA-BHC		I ND	1		
HEPTACHLOR		1 12	1		
ALDRIN		I ND	1		
HEPTACHLOR EF		I ND	1	AROCLOR	QUANT (ug/kg)
ENDOSULFAN I		I ND	1	1016	I NA
DIELDRIN		1 23	1	1221	I NA
4,4'-DDE		I ND	1	1232	I NA
ENDRIN		l ND	1	1242	l NA
ENDOSULFAN II		I ND	1	1248	1 NA
4,4'-DDD + 2,4		1 28 B -	7.2	1254	I NA
ENDOSULFAN SUL		l ND	1	1260	I NA
4,4'-DDT		1 86	1		
ENDRIN ALDEHY		I ND	1		
ENDRIN KETONE		l ND	1		
METHOXYCHLOR		l ND			
CHLORDANE (ALP	en(A)	140/160 8	- 4.074	. 3	
TOXAPHENE		l NA	ı		

TCL PESTICIDES/AROCLORS ANALYSIS

9 SITE NAME: 8		STREE TON	T		FIELD ID: PH5A			
SAMPLE NUMBER		23 5–15			EXTRACTION METHOD: SFE			
MATRIX: SOIL					% SOLID: NO			
PESTICIDE			QUANT (ug/	 kg)	DETECTION LIMIT:			
ALPHA-BHC			I ND	 1	PESTICIDES - CROL			
BETA-BHC			I ND		AROCLORS - CRDL			
DELTA-BHC			I ND	1	DILUTION FACTOR - 1			
GAMMA-BHC			I ND	1				
HEPTACHLOR			I ND	1				
ALDRIN			1 2.4	1				
HEPTACHLOR ER			I ND	1	AROCLOR QUANT (ug/kg)			
ENDOSULFAN I			I ND		1016 NA			
DIELDRIN			I ND	1	1221 I NA			
4,4'-DDE			I ND	1	1232 I NA			
ENDRIN			I ND	1	1242 NA			
ENDOSULFAN II			I ND	1	1248 I NA			
4,4'-DDD + 2,			I ND	1	1254 NA			
ENDOSULFAN S			I ND	 	1260 NA			
4,4'-DDT			110	1				
ENDRIN ALDEH			I ND	1	·			
ENDRIN KETONE			I ND	1				
METHOXYCHLOR	j.		ND.					
CHLORDANE (AL		amma)	10/11	1				
TOXAPHENE			I NA	I				

CL PESTICIDES/AROCLORS ANALYSIS

93 STREET SITE NAME: BI

FIELD ID: PHSB

SAMPLE NUMBER: 235-16 EXTRACTI

EXTRACTION METHOD: SFE

MATRIX: SOIL % SOLID: NC

PESTICIDE		\pu) TMAUQ	kg)	DETECTION	LIMIT:	
ALPHA-BHC		I ND	1	PESTICI	DES - CF	POL
BETA-BHC		I ND	1	AROCLOR	S – CRDL	_
DELTA-BHC		I ND	1	DILUTIO	N FACTOR	- 1
GAMMA-BHC		I ND	1			
HEPTACHLOR		I ND	1			
ALDRIN		I ND	1			
HEPTACHLOR EPT		I ND	1	AROCLOR	QUANT	(ug/kg)
ENDOSULFAN I		I ND	1	1016	1 Ne	,
DIELDRIN		i ND	1	1221	I NA	4
4,4'-DDE		I ND	<i>,</i>	1232	1 NA	1
ENDRIN		l ND	1	1242	1 NF	4
ENDOSULFAN II		i ND	1	1248	I NA	4
4,4'-DDD + 2,4		l ND	1	1254	I NE	3
ENDOSULFAN SU		l ND	1	1260	I NE	a
4,4'-DOT		130	1			
ENDRIN ALDEHY		I ND	 			
ENDRIN KETONE		I ND	 			
MÉTHOXYCHLOR		(ND A				•
CHLORDANE (ALE	(Altha	ND/2.4				
TOXAPHENE		I NA	1			

TCL PESTICIDES/AROCLORS ANALYSIS

N STREET

SITE NAME: FIELD ID: PHSC

SAMPLE NUMBER 5-235-17 EXTRACTION METHOD: SFE

MATRIX: SOIL % SOLID: NC

PESTICIDE			QUAN	IT (ug/	/kg)	DETECTION LIMIT:							
ALPHA-BHC			1	ND	1		PESTICI	DES	- CF	RDL			
BETA-BHC			1	ND	1		AROCLOR	!S -	CRDL	-			
DELTA-BHC			ľ	ND	1		DILUTIO	IN F	ACTOR	- 1			
GAMMA-BHC			1	ND	i								
HEPTACHLOR			1	ND	l								
ALDRIN			I	ND	 								
HEPTACHLOR E			1	ND	1	-	AROCLOR		QUANT	(ug/kg)			
ENDOSULFAN L			 	ND		-	1016	1	NA)			
DIELDRIN			I	ND	1	-	1221	1	AN	1			
4,4'-DDE			1	ND	1	_	1232	1	NA	1			
ENDRIN				ND	1		1242	1	NA)			
ENDOSULFAN II			1	ND	1	_	1248	1	NA	3			
4,4'-DDD + 2				ND	1		1254	1	NA)			
ENDOSULFAN S			1	ND	1	_	1260	1	NA	1			
4,4'-001			 	ND	1								
ENDRIN ALDEN			1	ND	1								
ENDRIN KETOK			1	ND	1								
METHOXYCHL OF				ND		- 1	jan gementer			· Landon e la servicione			
CHLORDANE (6	. U	amma)	1 1	9/19	1								
TOXAPHENE			 	NA	1								

CL PESTICIDES/AROCLORS ANALYSIS

93 STREET

TOXAPHENE

SITE NAME: BR FIELD ID: DRYWELL

HIGH LEVEL

SAMPLE NUMBER: 235-18 EXTRACTION METHOD: DILUTION

MATRIX: SOIL % SOLID: NC

PESTICIDE	QUANT (ug/kg)	DETECTION LIMIT:
ALPHA-BHC	I ND I	PESTICIDES - CRDL
BETA-BHC	1 3700 I	AROCLORS - CROL
DELTA-BHC	I ND I	DILUTION FACTOR - 500
GAMMA-BHC	I ND I	
HEPTACHLOR	I ND I	
ALDRIN	l ND I	
HEPTACHLOR EP	I ND I	AROCLOR QUANT (ug/kg)
ENDOSULFAN I	I ND I	1016 I NA
DIELDRIN	I ND I	1221 I NA
4,4'-DDE	l 670 l	1232 I NA
ENDRIN	I ND I	1242 I NA
ENDOSULFAN II	I ND I	1248 I NA
4,4'-DDD + 2,4	1 5900 I	1254 I NA
ENDOSULFAN SU L	I ND I	1260 I NA
4,4'-DDT	I ND I	
ENDRIN ALDEHY	I ND I	
ENDRIN KETONE	I ND I	
METHOXYCHLOR	ND I	
CHLORDANE (ALL	MA) 1290000/310000	

NA

TCL PESTICIDES/AROCLORS ANALYSIS

STREET TON

SITE NAME: FIELD ID: PHZ

SAMPLE NUMBER: EXTRACTION METHOD: SFE

MATRIX: SOIL % SOLID: NO

HALKIV. SOIL				A SOCID! NO
		-		
PESTICIDE		QUANT (ug/	(g)	DETECTION LIMIT:
ALPHA-BHC		ND	1	PESTICIDES - CROL
BEȚA-BHC	1	ND	1	AROCLORS - CRDL
DELTA-BHC	1	ND	1	DILUTION FACTOR - 1
GAMMA-BHC		26	1	
HEPTACHLOR	1	ND	1	
ALDRIN	1	ND	1	
HEPTACHLOR EC	1	ND	1	AROCLOR QUANT (ug/kg)
ENDOSULFAN I	1	ND	1	1016 I NA
DIELDRIN	1	48	1	1221 I NA
4,4'-DDE	1	960	1	1232 I NA
ENDRIN	1	ND	1	1242 I NA
ENDOSULFAN II		ND	1	1248 NA
4,4'-DDD + 2,		540	I	1254 I NA
ENDOSULFAN SU	1	ND	1	1260 NA
4,4'-DDT		1600		
ENDRIN ALDEHY	1	ND	1	
ENDRIN KETONE		ND	1	
, MÉTHOXYCHL OR		ND	Ī	
CHLORDANE (AL	(Alt	2800/2900	 	
TOXAPHENE		NA	1	

LL PESTICIDES/AROCLORS ANALYSIS

STREET FIELD ID: SS2 SITE NAME: SAMPLE NUMBER EXTRACTION METHOD: SFE MATRIX: SOIL % SOLID: NO DETECTION LIMIT: QUANT (ug/kg) PESTICIDE ______ PESTICIDES - CROL 1 1M 1 ALPHA-BHC AROCLORS - CROL BETA-BHC ı Mi i _____ i MI i DILUTION FACTOR - 1 DELTA-BHC ______ GAMMA-BHC ΜI 180 HEPTACHLOR I MI I ALDRIN HEPTACHLOR EN 1 76 1 AROCLOR QUANT (ug/kg) 1016 ENDOSULFAN I I MI NA 1000 DIELDRIN 1221 I NA 1 75 1 1232 I 4,4'-DDE 1242 i MI i 1 ENDRIN NΑ ENDOSULFAN I I MI 1248 NA 4,4'-DDD + 2, 820 1254 1 NA ENDOSULFAN SU I MI I 1260 l 1 1200 1 4,4'-DDT MI - MATRIX INTERFERENCE ENDRIN ALDEH MI ENDRIN KETONE METHOXYCHLOR

MMA) | 2800/3200 |

NA

CHLORDANE (ALF

TOXAPHENE

CL PESTICIDES/AROCLORS ANALYSIS

93 STREET
SITE NAME: BIN TON

FIELD ID: SS3

SAMPLE NUMBER: 235-21 EXTRACTION METHOD: SFE

MATRIX: SOIL % SOLID: NC

PESTICIDE		QUANT (ug	/kg)	DETECTION	LIMIT:
ALPHA-BHC		ı MI		PESTICI	DES - CRDL
BETA-BHC		ı MI	1	AROCLOR	S - CRDL
DELTA-BHC		I MI		DILUTIO	N FACTOR - 1
GAMMA-BHC		ı MI	1		
HEPTACHLOR		ı MI	1		
ALDRIN		ı MI	1		
HEPTACHLOR EPS		1 95	1	AROCLOR	QUANT (ug/kg)
ENDOSULFAN I		I MI		1016	I NA
DIELDRIN		610	1	1221	I NA
4,4'-DDE		1 270	1	1232	I NA
ENDRIN		I MI	1	1242	1 NA
ENDOSULFAN II		ı MI	1	1248	i NA
4,4'-DDD + 2,4		1 770	1	1254	I NA
ENDOSULFAN SU		I MI	1	1260	I NA
4,4'-DDT		1 1700	1	MI - MATRI	X INTERFERENCE
ENDRIN ALDEHY		l MI	1	THE PROPERTY OF THE PERSON OF	ry Try Elvi Elverioe
ENDRIN KETONE		l MI			
METHOXYCHLOR :		L. MI	<u> </u>	s e e e e e e e e e e e e e e e e e e e	
CHLORDANE (AL	n(A)	1 2200/250	0 1		
TOXAPHENE		I NA	1		

TCL PESTICIDES/AROCLORS ANALYSIS

93 STREET

SITE NAME: BUTTON FIELD ID: SS4

SAMPLE NUMBER: 5-235-22 EXTRACTION METHOD: SFE

MATRIX: SOIL % SOLID: NC

PESTICIDE			DUANT	(ug/	kg)	1	DETECTION	4 LI1	11T:	
ALPHA-BHC			1 N	D .	1		PESTICI	DES	- CF	RDL
BETA-BHC			i N	D	 I		AROCLOR	RS -	CRDL	-
DELTA-BHC			1 N	D	1		DILUTIO	N F	ACTOR	- 1
GAMMA-BHC			1 N	D	1					
HEPTACHLOR			1 N	D	1					
ALDRIN			1 N	D	1					
HEPTACHLOR ER	į		1 N	D	1		AROCLOR	0	TNAUG	(ug/kg)
ENDOSULFAN I			1 N	D	1		1016	1	NE	
DIELDRIN			i 1	3	1	•	1221	1	Nŕ	1
4,4'-DDE			1 7	6	1		1232	1	NA	1
ENDRIN			1 N	D	1		1242	1	NA	1
ENDOSULFAN I			I N	D	 I	•••	1248	1	NA	1
4,4'-DDD + 2.			1 16	0	1		1254	1	NA	1
ENDOSULFAN SU			I N	D	1		1260	1	NA	•
4,4'-DDT		i i	1 52	0	 I		** *** *** *** ***			
ENDRIN ALDEH			I N	D	1					
ENDRIN KETONE			l N	D	1					
METHOXYCHLOR			1 _{siss} N	D	1	*	and the second second			• • • • • • • • • • • • • • • • • • • •
CHLORDAME (AL		MA)	1 240	/290	 					
TOXAPHENE			I N	 A	1					

Page 1

The shaded blocks represent an exceedance of either The Reccommended Soil Cleanup Objectives (if no level is given: the max value referenced in TAGM 4046 is <10 ppm) or of Groundwater St

0.042 0.13 4.2 0.078 SS10 SOIL mdd 0.01 0.24 0.24 0.27 0.1 0.11 maa SS8 SOIL 0.0045 0.64 0.13 0.23 0.27 0.53 0.11 SS7 SOIL mdd 0.014 0.075 pu 0.0036 일 SOIL mdd 0.29 0.013 9/0.0 0.16 0.52 0.24 mdd SS4 SOIL 0.61 0.095 0.27 0.77 mdd SS3 0.076 0.18 0.82 0.075 DRYW SS2 SOIL SOIL mda 5.9 0.67 3.7 Шaa 2.8 0.026 0.048 0.96 0.54 PH7 SOIL mgd 0.019 0.019 0.038 PH5C SOIL Egg pu 0.13 0.0024 0.0024 PH5B SOIL 0.011 0.54 0.021 0.041 0.0024 PH5A SOIL шаа 0.044 0.54 0.06 0.02 6.0 270 Soil Clnup Rec. Soil Obj Protct Clnup Groundwtr 0 Egg 0.02 2.5 90.0 4.4 0.1 mdd 0.03 0.008 0.02 TCLP ENDOSULFAN SULFATE HEPTACHLOR EPOXIDE CHLORDANE-GAMMA CHLORDANE-ALPHA **FOTAL CHLORDANE** 4,4'-DDD + 2,2'-DDD ENDRIN KETONE ENDOSULFANI ENDOSULFAN **HEPTACHLOR** SAMMA-BHC ALPHA-BHC **JELTA-BHC** BETA-BHC DIELDRIN 4.4'-DDE ENDRIN ALDRIN

PH designation indicates GeoProbe Hole with depth increasing with letter progression. SS designation indicates Soil Surface Sample which NYSDOH requested.

	ĸ.		_	0.15	0.01	0.08	0.04	0.05			0.01		8		0.16					Γ	0.33		
PH4		/gn																					
	SOIL		0000	470000	2000	3400	3200	2400	1000	11000			14000	1000			220000		8700				
0			00/25	4.						,							22						
PH3(SOIL	ug/kc	2200																				
			0009	209000			8000			29000				900			8000						
38	SOIL	ğ	153000/56000	8																			
		_		g		210		370	2		29		8	00	220		00		00		120		
			/1800	33000		2		8	2100				12000	1400	8		4200		4800		1		
PH3A	SOIL	ug/kg	15000																				
	띪		2	418				099	20	160			40	1.4			120		110		5.8		
PH3	ΜA	l/gu	9/95 1										_				000000 000000 000000 000000 000000						Щ
20	SOIL WATER	ş)/160B	300					12				23				m		98				
표	S	/gn	14(42					1.2		31		16	3.3			28B		92				
H2B	SOIL	3/kg	21/21B	7						4.2B			`	3			8.2B		ر ا				
۵	Ø	ň		950					23	4			14	54			8		210				
7H2A	SOIL	ıg/kg	80/570B	٥,						3.0B							,8B						
				0.02				90.0		(1)	0.01		6.03				0.01 78B						
PH2	WATER	ng/l	.01/.01																				
			2300	5800					670		29			250			310		2300				
PH1C	SOIL	ug/kg	3500/2300																				
				1030				3.2	99		8.6			4.8			16		63				
PH1B	SOIL	ug/kg	540/490								10												
1A	<u></u>	kg	260/650	1210				4.7	26		5.6		27										
PH1A	OS P	ug/kg	26(0.1															_				
GA	Standard SOIL	ng/l		0					ND	QN	QN		ND	QN	٥		QN		Q.		QN		
	S			30					<u>8</u>	<u>z</u>	Z		Z	Z	20 ND		z		Z		Z	10000	200
TCLP	SOIL	ug/kg																				10	
			(Y																				
			SAMM								Щ							щ					
			.PHA	ANE	•						POXIE						QQ	<u>ULFA1</u>		,DE	ļ,,	D-	
			VE (AL	<u>ORD</u>	0		C	으	OR		OR E	-ANI				H NY	2,2'-D	AN S		DEHY	TONE	HIOH	ļ Į
			-ORDANE (ALPHA/GAMMA)	I CHI	IA-BH(-BHC	A-BH	MA-BI	TACHL	NI≳	TACHL	JSULF	DRIN	DE	NIN NIN	JSULF	+ QQ(SULF	TOC	RIN AL	RE KE	10XY (PHEN
			CHL	TOT/	ALPF	BET/	DELT	GAM	HEP	ALDF	HEP.	END	DIEL	4,4'-[END	END	4,4'-[END	4,4'-[END	END	MET	TOXAPHENE

New York State Department of Environmental Conservation 50 Wolf Road, Albany, New York 12233 - 7010



DEC 18 1996

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mary A. McMahon & The Estate of Robert J. McMahon 11 Elfred Street Johnson City, New York 12790

Dear Ms. McMahon:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), copy enclosed, the New York State Department of Environmental Conservation (NYSDEC) must maintain a registry of all inactive disposal sites suspected or known to contain hazardous wastes. The ECL also mandates that this Department notify, by certified mail, the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites.

Our records indicate that you represent the owner or part owner of the site listed below. Therefore, this letter constitutes notification of the inclusion of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

DEC Site No.:

704027

Site Name:

Ninety-Three Main Street

Site Address:

93 Main Street, Binghamton, New York 13905

Site Classification:

2

Enclosed is a copy of the New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation, Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry and Annual Report, and an explanation of the site classifications. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition. Such petition may be addressed to:

Mr. Michael D. Zagata
Commissioner
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-1010

For additional information, please contact me at (518) 457-0747.

Sincerely,

Robert L. Marinó

Chief

Site Control Section

Bureau of Hazardous Site Control Division of Environmental Remediation

Enclosures

bcc:

w/o Enc.

E. Barcomb

R. Marino

T. Reamon

A. Sylvester

w/Enc. (Copy of Site Report form only)

R. Dana

G. Anders Carlson, NYSDOH

J. Sama

T. Fucillo, R/7

C. Branagh

E. Belmore

AS/srh

New York State Department of Environmental Conservation 50 Wolf Road, Albany, New York 12233 - 7010



JAN -2 1997

This letter was sent to the people on the attached list.

Dear:

The Department of Environmental Conservation (DEC) maintains a Registry of sites where hazardous waste disposal has occurred. Property located at 93 Main Street in the City of Binghamton and County of Broome and designated as Tax Map Numbers 304018, 304020, and 304013 was recently added as a Class 2 in the Registry. The name and site I.D. number of this property as listed in the Registry is Ninety-Three Main Street, Site #704027.

The Classification Code 2 means that a significant threat to the public health or environment exists -- action required.

We are sending this letter to you and others who own property near the site listed above, as well as the county and town clerks. We are notifying you about these activities at this site because we believe it is important to keep you informed.

If you currently are renting or leasing your property to someone else, please share this information with them. If you no longer own the property to which this letter was sent, please provide this information to the new owner and provide this office with the name and address of the new owner so that we can correct our records.

The reason for this recent classification decision is as follows:

Levels of Chlordane, Gamma BHC, 4,4'DDD + 2,2'DDD, Aldrin, 4,4 DDT, Dieldrin, Beta BHC, Endosulfan Sulfate and Heptachlor were found in the soils at levels many orders of magnitude above the Recommended Cleanup Levels. In groundwater, Chlordane, Gamma BHC, 4.4'DDD + 2,2'DDD, Aldrin, 4,4'DDT, Dieldrin, Heptachlor, 4,4'DDE, Endrin Ketone and Endrin exceed the groundwater standards. Therefore, with the understanding that there is a clear contravention of groundwater standards and that disposal of hazardous waste is documented by the high levels of pesticides which presently exist in the soil, and, since the site is located over a Sole Source Aquifer, and presents a threat to the aquifer and drinking water supply; this property has been listed in the Registry with a 2 classification.

Water quality is continually monitored at the water supply to ensure only water which meets the NYS Drinking Water Quality Standards enters the municipal system.

If you would like additional information about this site or the inactive hazardous waste site remedial program, call:

DEC's Inactive Hazardous Waste Site Toll-Free Information Number 1-800-342-9296 or New York State Health Department's Health Liaison Program (HeLP) 1-800-458-1158, ext. 402.

:

Sincerely,

Robert L. Marino

Chief

Site Control Section

Bureau of Hazardous Site Control Division of Environmental Remediation

bcc:

R. Marino

T. Reamon

S. Miller, R/7

A. Sylvester

A. Carlson

L. Ennist

AS/srh