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MONITORING WELL AND GROUNDWATER
DATA

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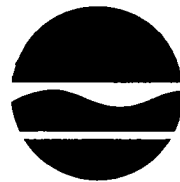
New York State Department of Environmental Conservation

Division of Environmental Remediation, Region 9

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Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

MEMORANDUM

TO: File - Farwell Road Landfill, #905024, Ischua (T), Erie County

FROM: David Locey

SUBJECT: Historical Monitoring Well and Groundwater Data

DATE: March 7, 2003

The attached records were copied from files kept by Region 9 Division of Solid Waste (M. McIntosh).

DPL

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL Location _____

Exact Sampling Point WELL #1A County CATTARAUGUS

Date	Parameter	Unit	12/20/79	1/29/80	4/23/80	8/11/80	11/14/80	1/28/81	4/12/82	7/23/82	9/24/82	2/17/83	4/8/83	7/11/83	9/26/83	12/16/83	3/14/84	6/20/84	10/4/84
	BOD5	mg/l	<4	-	-	-													
	COD	mg/l	16	-	-	-													
	PHENOLS	mg/l	<.01	-	.02	.03	<.01	0.2	20.01	10.01	18.01	0.010	10.01	10.01	0.070			0.52	6.102
	METHYLENE BLUE ACTIVE SUBSTANCES	mg/l	.5	<.02	-	-													
	AMMONIA	mgN/l	1.5	-	-	-													
	TKN	mgN/l	1.5	-	<.1	-		0.94					0.68						
	NITRATE	mgN/l	10.0	.53	.16	-		10.1					0.13						
	NITRITE	mgN/l	<.03	-	-	-													
	TOTAL PHOSPHOROUS	mgP/l	<.01	-	-	-													
	SULFATE	mg/l	250	4.4	7.3	-		2.0					3.6						
	TOTAL ALUMINIUM	mg/l	.4	-	.1	-		0.1					10.06						
	TOTAL ARSENIC	mg/l	25	<2	<1	-		10.006					10.005						
	TOTAL BERYLLIUM	mg/l	<.003	-	-	-													
	TOTAL CHROMIUM	mg/l	.008	-	<.003	-		10.006					0.008						
	TOTAL COPPER	mg/l	1.0	<.003	<.003	.014	.006	.02	10.006	10.004	0.012	10.004	10.004	10.004	0.010			0.028	0.006
	TOTAL LEAD	mg/l	.025	<.02	<.02	-		10.08					10.005						
	TOTAL LITHIUM	mg/l	<.5	-	-	-													
	TOTAL CALCIUM	mg/l	8.0	-	-	-													
	TOTAL MERCURY	ug/l	2	<.6	<.6	-		1					10.0009						
	TOTAL SILVER	mg/l	.05	<.005	-	-													
	TOTAL POTASSIUM	mg/l	1.2	-	-	-													
	TOTAL TITANIUM	mg/l	<.07	-	-	-													

DRY

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

2/

Refuse Disposal Area FARWELL (A. ST. L.) Location _____

Exact Sampling Point WELL # 1A County CATTARAUGUS

Note
Def. found

Date	Parameter	Unit	12/20/79	1/25/80	4/23/80	8/1/80	11/14/80	1/28/81	4/12/82	7/13/82	9/24/82	2/17/83	4/8/83	7/11/83	9/26/83	12/16/83	6/20/84	10/4/84
	TOTAL SODIUM	mg/l	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL CALCIUM	mg/l	4	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	pH		-	-	8.41	8.38	8.78	7.86 ^{7.51}	8.00	7.52	7.53	7.45	7.70	7.18	7.33	-	7.71	6.70
	CONDUCTANCE	micromhos	-	-	240	200	195	2103 ²⁹⁰	34.5	304	288	290	265	520	-	-	4800	400
	TOC	mg/l	-	-	7.9	4.0	1.5	2.5 ^{4.0}	2.5	2.1	2.6	2.0	1.9	2.0	2.7	-	638	98
	CHLORIDES	mg/l	20	-	33	33	33	30 ^{6.2}	6.4	5.0	4.8	6.0	4.0	4.6	5.9	-	22	79
	TOTAL CYANIDE	mg/l	.2	-	<.03	-	-	<.02	-	-	-	-	10.01	-	-	-	-	-
	TOTAL IRON	mg/l	.3	-	2.05	1.7	<.02	7.1 ^{2.1}	7.3	6.1	7.3	2.8	4.5	7.9	2.1	-	5.2	1.5
	TOTAL MANGANESE	mg/l	.3	-	.17	-	-	0.16	-	-	-	-	6.15	-	-	-	-	-
	TOTAL ZINC	mg/l	5	-	<.003	-	-	0.058	-	-	-	-	0.026	-	-	-	-	-
	Water elev.							1494.41	1490.4	1491.9	1492.20	1492.5	1491.90	1490.60				1491.50

DRY

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

1/2

Refuse Disposal Area FARWELL LANDFILL Location _____

Exact Sampling Point WELL # 2 County Cattaraugus

Date	Parameter	Unit	GW. St.	7/23/82	9/24/82	2/17/83	4/18/83	7/11/83	9/26/83	2/16/83	3/14/84	6/10/84	10/4/84	11/20/84	4/24/85	8/1/85	10/17/85	1/21/86	3/17/86	6/25/86	
	ARSENIC	mg/L	.025				<0.005				<0.005				<0.005 [†]					<0.005 [†]	
	BARIUM	"	1.0																		<0.005 [†]
	BERYLLIUM	"																			
	BORON	"																			
	CADMIUM	"	.01																		
	Chromium (T)	"					0.010				<0.005										
	Copper	"	1.0	<0.004	0.006	<0.004	<0.004	<0.004	0.012	0.006	<0.006	0.015	<0.005	0.006	<0.005 [†]						<0.008 [†]
	Lead	"	.025				<0.005				<0.005				0.005 [†]	0.144	0.045	0.012	<0.007 [†]	<0.005 [†]	
	Mercury	ug/L	2				<0.9				<0.001				0.164 [†]					<0.005 [†]	
	Selenium	mg/L	.02												<0.0005 [†]					<0.002 [†]	
	SILVER	"	.05																		
	ZINC	"	5				0.036				<0.008										
	phenols	"	.001	0.015	<0.01	0.02	<0.01	0.01	0.016	0.094	0.011	0.017	<0.01	<0.01	0.040 [†]						0.026 [†]
	phosphate (P)	"													0.032	<0.01	<0.01	<0.01	<0.02	<0.01	
	ALKALINITY	mg/L																			
	TURBIDITY	nephel																			
	ALKALINITY	mg/L																			
	Color	A-Co																			
	Conductance	umhos/cm		278	358	231	311	257	550	410	335	275	450	265	210	440	480	160	280	320	
	Total Solids	mg/L																			
	Turbidity	FTU																			
	BOD	mg/L																			
	Chlorides	mg/L	250	3.4	19	1.7	2.2	11	40	3.3	12	12	214	413	88	90	73	11	17	1.4	

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

2/2

Refuse Disposal Area FARWELL LANDFILL Location _____

Exact Sampling Point WELL #2 County CATTARAUGUS

Date	Unit	6/23/82	7/23/82	2/17/83	4/10/83	7/11/83	9/26/83	12/14/83	3/14/84	6/20/84	10/4/84	12/24/84	4/24/85	8/1/85	10/17/85	1/21/86	3/17/86	6/25/86
METALLOID BLENDING SUBSTANCES	mg/L	.5																
Aluminum	"				2.9				0.18				1.1					2.29 ^{tot}
Lithium	"																	
Calcium	"																	
Titanium	"																	
Total Coliform	"	4																
IRON & MANG	"	.5																
TOC	"	3	8.0	6.5	110	30	34	41	39	19	15	1.8	10	26	21	.6.8	3.5	22
PH	su	7.19	6.86	7.31	7.31	7.02	7.11	6.60	7.17	7.37	8.34	7.19	6.69	6.82	6.73	7.42	7.52	6.81
Water elev.	USGS elev	1510.70	1517.86	1516.86	1518.65	1516.06	1517.64	1518.84	1518.84		1515.66	1518.20	1516.46	13'11"	14'4"	5'11"	1516.24	1516.82
IRON ^{tot}	0.3 mg/L	1.3	10	110	18	25	31	6.7	9.3	7.89	2.2	4.5	9.3 ^{tot}	275 ^{tot}	64 ^{tot}	7.18	67	14
TRIN	"				0.34				2.1				0.63					
NITRATE	"				10.05				0.05				10.5					1.5
SULFATE	"				41				41				13					10
MANGANESE	0.3				0.76				1.3				0.627					0.73 ^{tot}
CYANIDE	"				10.01				10.01				10.43					10.01 ^{tot}

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL Location _____

Exact Sampling Point WELL #1 County CATTARAUGUS

2/

11/2/82

Parameter	Unit	2/14/78	4/10/78	12/1/78	2/27/79	6/21/79	9/30/79	7/26/77	10/21/77	3/1/78	5/2/79	12/22/79	1/29/80	4/23/80	8/1/80	11/14/80	1/5/81	4/12/81
ARSENIC	mg/l	.025	—	<.03	—	—	—	—	—	—	—	<.002	—	<.001	—	—	—	0.006
BARIUM	mg/l	1.0	—	<.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BERYLLIUM	mg/l	—	—	<.02	—	—	—	—	—	—	—	<.003	—	—	—	—	—	—
BORON	mg/l	—	—	.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CADMIUM	mg/l	.01	—	.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL CHROMIUM	mg/l	—	—	<.01	—	—	—	—	—	—	—	<.003	—	.006	—	—	—	0.006
COPPER	mg/l	1.0	—	<.05	—	—	—	—	—	—	—	.018	—	<.003	.026	.010	.006	0.026
LEAD	mg/l	.025	—	.01	—	—	—	—	—	—	—	<.02	—	.02	—	—	—	0.08
MERCURY	mg/l	2	—	<.4	—	—	—	—	—	—	—	<.6	—	<.6	—	—	—	0.01
SELENIUM	mg/l	.02	—	<.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SILVER	mg/l	.05	—	<.02	—	—	—	—	—	—	—	<.005	—	—	—	—	—	—
ZINC	mg/l	5	—	.01	—	—	—	—	—	—	—	—	—	<.003	—	—	—	0.0133
PHENOLS	mg/l	.001	—	.001	—	—	—	—	—	—	—	<.01	—	(.06)	(.01)	.01	.01	0.03
TOTAL PHOSPHATE	mg P/l	—	—	.06	—	—	—	—	—	—	—	<.01	—	—	—	—	—	—
M'ORANGE ALKALINITY NTU	mg/l	—	—	—	—	—	44	60	—	—	—	—	—	—	—	—	—	—
TURBIDITY	NPHEL	—	—	—	—	—	140	180	140	720	—	—	—	—	—	—	—	—
ELECTROM PH4.5 ALKALINITY	mg/l	—	—	—	—	—	—	—	132	139	179	—	—	—	—	—	—	—
COLOR	PC-CO	—	—	—	—	—	—	—	—	—	30	—	—	—	—	—	—	—
CONDUCTANCE	umhos/cm	—	—	—	—	—	—	—	—	—	327	—	—	200	305	215	200	335
TOTAL SOLIDS	mg/l	—	—	—	—	—	—	—	—	—	500	—	—	—	—	—	—	—
TURBIDITY	FTU	—	—	—	—	—	—	—	—	—	140	—	—	—	—	—	—	—
BOD	mg/l	—	—	—	—	—	—	—	—	—	—	<4	—	—	—	—	—	—

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL Location ISCHUA (T) CATT. CO.

Exact Sampling Point Well #3 ^{SLF 2}_{6.3} County -

Parameter	Unit	GW Std.	4/8/83	7/11/83	9/26/83	12/11/83	3/14/84	6/20/84	10/4/84	12/20/84	4/24/85	8/1/85	10/17/85	1/21/86	3/27/86	6/25/86	10/15/86	12/11/86	4/15/87
pH	6.5 to 8.5	6.5 to 8.5	8.68	8.28	8.77	8.81	8.95	8.53	8.31	8.69	7.49	7.43	7.86	7.31	7.23	8.30	7.37	7.66	7.55
Specific Conductance	umhos/cm		424	418	440	450	460	520	1010	173	320	590	450	540	600	460	640	550	380
Chloride	mg/l	250	39	41	52	26	40	37	21	4.3	15	31	26	32	33	19	34	31	25
TOC	"		17	18	20	2.0	12	2.8	11	21	21	3.2	6.0	7.5	8.5	9.0	27	21	3.0
Phenols	"	0.001	0.001	0.001	0.001	0.001	<0.001	0.010	0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TKN	mg N/L		0.1				1.5				0.17				1.6				1.7
Nitrate	mg N/L	10	0.05				0.05				0.11				0.05				0.085
Sulfate	mg/l	250	4.3				21				5.9				1.0				2.5
Total Iron	"	0.3	2.1	5.7	2.1	2.3	1.0	0.190	8.3	2.3	2.0	12	14	12	13	6.2	7.27	9.2	2.6 / 0.034
Total Aluminum	"		0.06				0.18				0.80				0.09				0.22 / 0.20
Total Chromium	"		0.010				0.005				0.005				0.008				0.005 / 0.005
Total Zinc	"	5	0.014				0.017				0.029				0.004				0.03 / 0.005
Total Lead	"	0.025	0.005				0.005				0.005				0.005				0.005 / 0.005
Total Mercury	ug/l	2	0.001				0.001				0.0005				0.002				0.0005 / 0.0005
Total Copper	mg/l	1.0	0.004	0.004	0.014	0.006	0.006	0.01	0.005	0.009	0.005	0.009	0.027	0.012	0.007	0.005	0.005	0.005	0.005 / 0.005
Total Manganese	mg/l	0.3	0.76				0.11				0.228				0.41				0.13 / 0.10
Total Cyanide	mg/l	0.2	0.01				0.01				0.03				0.01				
Total Arsenic	mg/l	0.025	0.005				0.005				0.005				0.005				0.005 / 0.005
Water Level				1490.80	1489.30	1482.0	1482.0		1479.65	1476.2	1483.10	1.1' 3"	5' 4"	4' 3"	1493.12	1492.20	1491.75	1493.95	1494.04

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL Location _____

Exact Sampling Point WELL # 3 County CATTARAUGUS

✓



11/11/82

Parameter	Unit	1/30/75	12/1/75	2/12/76	6/24/76	9/3/76	1/26/77	10/27/77	3/9/78	5/2/79	12/1/79	1/25/80	4/23/80	11/14/80	4/12/81	7/22/82	7/24/82	2/17/83
COLORE (APPARENT)		90	180	120	130	30	55	20	50	-	-	-	-	-	-	-	-	-
TURBIDITY	JTU	28	30	26	4	-	-	-	-	-	-	-	-	-	-	-	-	-
ODORE HOT		1,0044	1,0044	1,VEG	1,VEG	-	-	-	1,VEG	-	-	-	-	-	-	-	-	-
ODORE COLD		1,0044	2,0060	1,VEG	1,VEG	1,VEG	1,FOUR	3,DISPER	1,FOUR	-	-	-	-	-	-	-	-	-
AMMONIA	mg/l	3.2	4.3	4.3	3.4	3.4	3.6	3.7	2.4	-	1.1	-	-	-	-	-	-	-
NITRITE	mg/l	.015	.006	.002	.003	.004	.002	.001	.007	-	2.4	-	-	-	-	-	-	-
NITRATE	mg/l	10.0	.10	<.1	<.1	<.997	<.096	<.098	<.044	<.093	-	.31	.22	-	20.1	-	-	-
CHLORIDES AS CaCO ₃	mg/l	250	9.2	10	9.0	10	11	8.6	5.7	15	-	-	18	13	45	35	37	40
HARDNESS AS CaCO ₃	mg/l		74	74	60	74	56	46	-	50	42.3	-	-	-	-	-	-	-
ALKALINITY	mg/l		57	48	50	47	-	-	-	-	-	-	-	-	-	-	-	-
pH		65-85	9.1	8.4	9.0	8.2	8.6	9.1	9.3	8.2	8.62	-	7.36	8.53	7.53	7.35	8.06	8.76
KJELDAHL NITROGEN	mg/l		3.5	6.4	-	-	-	-	-	-	-	1.0	.48	-	1.7	-	-	-
CO ₂	mg/l		26	8	<4	<4	5	<4	-	-	-	13	-	-	-	-	-	-
IRON	mg/l	.3	18	41	7.8	14	2.3	2.0	-	3.4	2.4	-	3.3	2.1	48	7.0	9.5	3.1
MANGANESE	mg/l	.3	.13	.25	.24	.41	.12	.13	-	.18	-	-	.22	-	.070	-	-	-
SODIUM	mg/l		7	7	4	4	11	5	-	4	-	4.0	-	-	-	-	-	-
FLUORIDES	mg/l	1.5	-	<.1	-	-	-	-	.1	-	-	-	-	-	-	-	-	-
TDS	mg/l	500	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SULFATES AS SO ₄	mg/l	250	-	20	-	-	-	-	-	-	-	1.8	4.1	-	6.5	-	-	-
CYANIDE (CN)	mg/l	.2	-	<.1	-	-	-	-	-	-	-	-	<.04	-	20.020	-	-	-
MBAS AS LBS SURFACTANTS	mg/l		-	<.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	mg/l	.025	-	<.03	-	-	-	-	-	-	<.2	-	<.001	-	20.006	-	-	-

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area INDUSTRIAL WASTE - Location _____

Exact Sampling Point WELL #3 County PATENTUCKET 12/82

2/

Date	Parameter	Unit	1/26/85	12/10/85	3/22/86	6/24/86	9/30/86	7/26/87	10/21/87	3/9/88	5/2/89	12/1/89	1/29/90	4/23/90	11/14/90	4/12/82 ^{6/006}	7/25/82	9/21/82	2/17/83
	Barium	mg/l	1.0	<.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/l	-	<.02	-	-	-	-	-	-	-	<.002	-	-	-	-	-	-	-
	Boron	mg/l	-	<.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/l	.01	<.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Chromium	mg/l	-	<.01	-	-	-	-	-	-	-	.012	-	<.003	-	-	0.004	-	-
	Copper	mg/l	1.0	<.05	-	-	-	-	-	-	-	.036	-	<.003	.008	0.032	0.004	10.004	0.004
	Lead	mg/l	.025	.01	-	-	-	-	-	-	-	<.02	-	<.02	-	0.08	-	-	-
	Mercury	ug/l	2	<.4	-	-	-	-	-	-	-	.7	-	<.6	-	41	-	-	-
	Potassium	mg/l	-	1.6	1.5	1.2	.6	1.6	-	1.3	-	1.5	-	-	-	-	-	-	-
	Selenium	mg/l	.02	<.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Silver	mg/l	.05	<.02	-	-	-	-	-	-	-	<.05	-	-	-	-	-	-	-
	Zinc	mg/l	5	<.05	-	-	-	-	-	-	-	-	-	<.003	-	0.078	-	-	-
	Total Phosphate as P	mg/l	-	<.04	-	-	-	-	-	-	-	.03	-	-	-	-	-	-	-
	Alkalinity as CaCO3	mg/l	-	32.	30.	-	29.	30.	-	-	-	-	-	-	-	-	-	-	-
	Alkalinity	mg/l	-	10.	20.	-	6.	18.	-	-	-	-	-	-	-	-	-	-	-
	Phenols as O.C.P.	mg/l	.001	<.001	-	-	-	-	-	-	-	<.01	-	0.02	<.01	0.01	0.01	0.01	0.02
	Alkalinity N.T.O.	mg/l	-	-	-	-	35.	54.	-	-	-	-	-	-	-	-	-	-	-
	Turbidity	NTU	-	-	-	-	9.	13.	9.	35.	-	-	-	-	-	-	-	-	-
	Electrom Alkalinity	mg/l	-	-	-	-	-	40.	46.	45.1	-	-	-	-	-	-	-	-	-
	Total Solids (103C)	mg/l	-	-	-	-	-	-	-	-	96	-	-	-	-	-	-	-	-
	Color	Pt-Co	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-
	Conductance umhos/cm		-	-	-	-	-	-	-	-	115	-	340	190	860	880	818	515	400

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area LAUREL LAUREL Location _____

Exact Sampling Point WELL #3 County CATTARAUGUS

11/17/82

Date	Parameter	Unit	11/30/75	12/1/75	2/27/76	6/24/76	7/30/76	1/26/77	10/1/77	3/9/78	5/2/77	12/2/77	1/29/80	4/23/80	11/14/80	4/12/82	7/23/82	9/24/82	2/17/83
	TURBIDITY	FTU	-	-	-	-	-	-	-	-	-	8.6	-	-					
	PODS	mg/l	-	-	-	-	-	-	-	-	-	4	-	-					
	METHYLENE BLUE ACTIVE SUBSTANCE	mg/l	.5	-	-	-	-	-	-	-	-	<.02	-	-					
	TOTAL ALUMINUM	mg/l	-	-	-	-	-	-	-	-	-	.1	-	.2		0.3			
	TOTAL LITHIUM	mg/l	-	-	-	-	-	-	-	-	-	<.5	-	-					
	TOTAL CALCIUM	mg/l	-	-	-	-	-	-	-	-	-	4.1	-	-					
	TOTAL TITANIUM	mg/l	-	-	-	-	-	-	-	-	-	<.01	-	-					
	TOTAL COLIFORM BACTERIA	1:100,000	4	-	-	-	-	-	-	-	-	-	<20	-					
	IRON	mg/l	-	-	-	-	-	-	-	-	-	-	-	-					
	MANGANESE	mg/l	.5	10.23	11.25	7.44	14.41	2.42	2.13	-	8.58	-	-	-					
	TOC	mg/l	-	-	-	-	-	-	-	-	-	-	-	5.5	2.5	9.5	3	25	14
	Water elec.															1493.00	1489.20	1487.3	1491.70

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill Location _____

Exact Sampling Point Well SA 5112 County Cattaraugus

Parameter	Unit	Standard	10/4/84	12/21/84	4/24/85	8/1/85	10/17/85	1/21/86	3/27/86	6/15/86	10/15/86	12/11/86	4/15/87	7/15/87	9/29/87
total titanium	mg/l														
total sodium	mg/l														
total coliform	MPN/100ml														
pH		6.5 to 8.5	8.11	7.49	6.83	7.42	7.40	7.26	7.72	6.93	6.73	7.16	6.58	6.73	6.76
conductance	microhm/cm		163	92	130	220	270	110	100	360	160	61	110	140	140
TOC	mg/l		9.8	<1	1.1	<1	26	5.0	<1	9.5	4.0	13	5.2	2.0	3.1
chloride	mg/l	250	1.3	1.2	<1	1.2	1.0	6.7	<1	1.2	2.2	3.2	<1	<0.5	<1
total cyanide	mg/l				<0.03				<0.01						
total iron	mg/l		17	6.1	(13)	149	2.3	3.95	17	9.8	6.03	2.4	3.0	13	9.5
total manganese	mg/l				0.094				0.22				0.11	0.19	0.28
total zinc	mg/l	5			0.026				0.025				0.10		
water el.			1609.00	1613.1	1619.83	33'6"	33'1"	28'1"	1621.62	1614.79	1614.12	1620.45	1625.20	1611.20	1615.45

~~0.28~~
~~0.10~~
~~0.005~~
~~0.005~~

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

2/

Refuse Disposal Area FARWELL LANDFILL Location _____

Exact Sampling Point WELL #5 County CATTARAUGUS

Parameter	Unit	11/21/79	1/25/80	4/23/80	8/1/80	11/14/80	4/20/82	4/17/82	7/23/82	9/24/82	2/17/83	4/6/83	7/11/83	9/26/83	12/16/83	2/24/84	3/14/84	4/20/84
imeter	Unit																	
TOTAL SOLIDS	mg/l	26	-	-	-	-												
TOTAL COCIFORMS	10 ⁶ /unit	4	-	-	-	-												
PH		65-8.5	-	7.30	7.43	6.57	6.54	6.93	7.14	7.42	7.12	6.73	7.00	7.59	3.08	6.54	7.25	7.62
CONDUCTIVITY	microhm/cm			212	240	88	154	105	220	194	578	136	174	279	220		71	190
TOC	mg/l			7.5	4.4	<1	<1	2.2	<1	4.5	<1	3.0	2.2	18	<1		11	1.4
CHLORIDE	mg/l	250	-	3.92	3.6	3.6	1.1	2.1	1.6	2.1	0.7	20.5	4.1	2.2	<1		<1	1.0
TOTAL CYANIDE	mg/l	.2	-	<0.2	-	-	<40	2.020				20.01						<0.01
TOTAL IRON	mg/l	.3	-	(.17)	(.10)	60	14	85	51	171	190	57	33	133	11.8		(0.40)	(2.18)
TOTAL MANGANESE	mg/l	.3	-	.18	-	-	0.12	0.35				0.16						<0.02
TOTAL ZINC	mg/l	5	-	<.003	-	-	0.013	0.047				0.020						<0.008
Water Temp							16.73.50	16.66.8	16.07.0	16.17.10	16.18.80	16.09.10	16.06.00	16.16.25			16.14.6	

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Ischna

Exact Sampling Point Well 7

County Cattaraugus

Parameter	Unit	Standard	3/27/86	4/15/86	11/12/86	12/11/86	1/15/87	7/15/87	9/29/87										
pH	SU	6.5-8.5																	
conductance	microhm/cm																		
TOC	mg/l																		
chloride	mg/l	250																	
det rec phenolics	mg/l	0.001																	
det Kjeldahl nitrogen	mg/l																		
nitrate	mg/l	10																	
sulfate	mg/l	250																	
det cyanide	mg/l																		
det aluminum	mg/l																		
det arsenic	mg/l																		
det chromium	mg/l																		
det copper	mg/l																		
det iron	mg/l																		
det lead	mg/l																		
det manganese	mg/l																		
det mercury	mg/l																		
det zinc	mg/l																		
gravel																			

Handwritten notes in the table cells: 'DRY' is written in the nitrate, sulfate, and cyanide rows for the dates 11/12/86, 12/11/86, 1/15/87, 7/15/87, and 9/29/87. There are also some vertical lines and other marks in the columns for 3/27/86 and 4/15/86.

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Jesha

Exact Sampling Point Farwell Farm Well

County Cattaraugus

Date	Parameter	Unit	12/6/89	12/6/89	3/6/90	3/6/90	6/4/90	6/4/90	9/10/90	9/10/90
	4-methyl-2-pentane		<10	<10	<10	<10	<10	<10	<100	<10
	styrene		<3	<3	<3	<3	<3	<3	<100	<10
	vinylacetate		<10	<10	<10	<10	<10	<10	<100	<10
	tetrachloroethylene				<3	<3	<3	<3	<30	<3
	turbidity						9.5	3	5.9	5.1

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill 05502

Location J. Schua

Exact Sampling Point Farwell Farm Well SLF 2 FW

County Cattaraugus

Parameter	Unit	Standard	9/29/87	10/1/87															
pH	S.U.	6.5-8.5	7.29																
conductance	umhos/cm		760																
chloride	mg/l	250	.39																
TOC	"		4.7																
phenols	"	0.001	<0.01																
copper	"	1.0	.009																
iron	"	.30	1.6																
TKN	"		0.020																
nitrate	"	10																	
sulfate	"	250																	
aluminum	"																		
chrome	"																		
zinc	"	5																	
arsenic	"	.025																	
lead	"	.025																	
mercury	"	.002																	
cyanide	"	12																	
manganese	"	.3																	

See new sheet 15

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL Location ISGENVA (T) CATT. CO.
 Exact Sampling Point BUILDING WELL County _____

Parameter	Unit	GW Std.	4/16/83	7/11/83	7/26/83	12/16/83	6/20/84	12/21/84	4/24/85	8/1/85	10/17/85	1/21/86	3/27/86	6/25/86	10/15/86	12/11/86	4/15/87	7/15/87	9/29/87
pH	USU	6.5 to 8.5	7.05	6.86	6.97	6.86	8.23	7.18	6.84	6.91	6.90	6.79	7.02	7.01	7.12	7.53	7.04	7.01	7.04
Specific Conductance	umhos/cm		1090	1120	1220	1220	1180	1160	1300	1300	1300	1100	1300	1410	980	770	1190	1250	760
Chloride	mg/l	250	70	76	72	61	51	60	56	67	61	50	<1	<1	8.5	55	26	47	33
TDS	"		45	6.2	11	3.0	3.8	7.3	4.2	1.2	6.0	15	27	110	90	<1	30	47	3.1
Phenols	"	0.001	<0.01	<0.01	<0.01	<0.01	0.011	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01
TKN	mg/l		0.80						<0.1				<0.5				1.3		
Nitrate	mg/l	10	0.08						<0.05				<0.05				<0.05		
Sulfate	mg/l	250	4.9						6.7				8.5				18		
Total Iron	"	0.3	0.06	0.93	1.4	0.37	0.975	0.25	0.23	0.18	0.13	0.18	0.14	0.23	0.08	0.05	0.15	0.26	0.047
Total Aluminum	"		0.06						0.08				<0.06				0.19		
Total Chromium	"		0.006						<0.005				<0.008				<0.005		
Total Zinc	"	5	0.009						0.067				0.011				0.010		
Total Lead	"	0.025	0.005						<0.005				0.011				<0.005		
Total Mercury	ug/l	2	0.9						<0.005				<0.002				<0.005		
Total Copper	mg/l	1.0	0.004	0.006	0.021	0.018	0.412	0.012	0.020	0.012	0.007	0.012	<0.007	<0.005	<0.005	0.008	0.005	0.012	0.022
Total Manganese	mg/l	0.3	0.02						0.047				0.04				0.03		
Total Cyanide	mg/l	0.2	0.01						<0.03				<0.01						
Total Arsenic			0.005						<0.005				<0.005				<0.005		

- RCRA STANDARD - IF DIFFERENT

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARMAC LANDFILL Location

Exact Sampling Point ROLLING WELL County CATTARAUGUS

11/21/82

Parameter	Unit	STANDARD	12/2/75	9/30/76	11/1/77	7/26/77	10/27/77	3/9/78	5/2/79	11/1/80	11/17/80	4/23/80	8/1/80	11/14/80	1/28/81	4/12/82	7/23/82	9/24/82	2/12/83
COLOR (APHA)			0	4	3	1	1	2	-	-	-	-							
TURBIDITY	FTU		1	-	-	-	-	-	-	-	-	-							
ODOR, HOT		1.0044	-	-	-	-	-	1.006	-	-	-								
ODOR, COLD		1.0044	1.0001	1.006	1.001	2.001	1.006	1.006	-	-	-								
FLUORIDES	mg/l	1.5	<.1	-	.1	-	.1	-	-	-	-	-							
AMMONIA	mg/l	<.02	.02	.06	<.02	<.02	<.02	<.02	-	<.5	-								
NITRITE	mg/l	.002	.015	.006	.001	.001	.002	-	-	.22	-								
NITRATE	mg/l	10.0	.44	5.485	4.944	3.944	3.644	2.843	-	<.1	-	.87				0.75			
CHLORIDES	mg/l	(250)	1.0	70	15	18	19	20	-	-	-	<1	74	1.7	61.6 ⁹	68	64	89	75
HARDNESS WITH OR AS CaCO ₃	mg/l		82	300	260	240	-	390	497	-	-	-							
ALKALINITY	mg/l		58	-	-	-	-	-	-	-	-	-							
pH		(6.5-8.5)	7.2	7.8	7.7	8.0	7.1	7.8	7.52	-	-	7.25	7.07	7.00	7.75 ²	7.51 ¹³	7.25	7.92	6.95
TDS	mg/l	(500)	86	-	143	-	-	-	-	-	-	-							
AS SO ₄ SULFATES	mg/l	(250)	16	-	18	-	-	-	-	16	-	17							
CYANIDE AS CN	mg/l	.2	<.1	-	<.2	-	-	-	-	-	-	<.01							
NBAs AS CAS	mg/l		<.01	-	<.01	-	-	-	-	-	-	-							
SURFACTANTS	mg/l		<.01	-	<.01	-	-	-	-	-	-	-							
KJELDAHL NITROGEN	mg/l		<.01	-	.06	-	-	-	-	<.5	-	.13							
COD	mg/l		<4	<4	<.1	5	-	-	-	8.1	-	-							
ARSENIC	mg/l	.025	18.3	-	<.02	-	-	-	-	<.2	-	<.001							20.006
BARIUM	mg/l	1.0	<.5	-	.0	-	-	-	-	-	-	-							
BERYLLIUM	mg/l		<.02	-	<.02	-	-	-	-	<.003	-	-							
BORON	mg/l		<.1	-	-	-	-	-	-	-	-	-							

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL

Location _____

Exact Sampling Point BOUNDARY LANE

County CATTARAUGUS

11/27/82

Date	Parameter	Unit	11/27/82	1/22/83	1/24/83	1/26/83	1/27/83	3/1/83	5/2/83	6/2/83	4/23/83	8/1/83	11/14/83	1/28/84	4/12/84	7/23/84	9/24/84	2/17/85
	METHYLENE BLUE ACTIVE SUBSTANCES	mg/l	(.5)	-	-	-	-	-	<.02	-	-	-	-	-	-	-	-	-
	TOTAL ALUMINUM	mg/l	-	-	-	-	-	-	.1	-	<.1	-	-	-	0.1	-	-	-
	TOTAL LITHIUM	mg/l	-	-	-	-	-	-	<.5	-	-	-	-	-	-	-	-	-
	TOTAL CALCIUM	mg/l	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-	-
	TOTAL TITANIUM	mg/l	-	-	-	-	-	-	<.01	-	-	-	-	-	-	-	-	-
	TOTAL COPPER	mg/l	4	-	-	-	-	-	-	<.20	-	-	-	-	-	-	-	-
	IRON + MANGANESE	mg/l	.5mg/l	.49	.15	.20	.07	-	.86	-	-	-	-	-	-	-	-	-
	TOC		-	-	-	-	-	-	-	-	4.6	2.7	1.0	2.5	2.0	4.1	2.8	2.0

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Tischua

Exact Sampling Point Farwell Farm Well

County Cattaraugus

DOH analysis DOH

Parameter	Unit	Standard	9/30/88	1/12/89	4/5/89	8/29/89	8/29/89	8/29/89	6/28/89	12/6/89	12/6/89	3/6/90	3/6/90	6/4/90	6/4/90	9/10/90	9/10/90
silver	ng/l	105	<0.10 0.10	<0.10 0.10	<0.001 0.001				<0.001 0.001	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05
thallium	ng/l		<1.00 1.00	<1.00 1.00	<1.00 1.00				<0.005 0.005	<0.01 0.01	<0.01 0.01	<0.01 0.01	<0.001 0.001	<0.001 0.001	<0.001 0.001	<0.001 0.001	<0.001 0.001
zinc	mg/l	5	0.25 0.24	0.28 0.14	0.30 0.27				<0.05 0.05	0.04 0.032	0.14 0.14	0.025 0.031	0.074 0.069	0.015 0.025	0.073 0.074	0.068 0.068	0.17 0.16
appearance									clear	clear	clear	clear	clear				
chloromethane	ng/l		<10	<10	<10	<0.5	<0.5	<0.5	<10	<3	<3	<3	<3	<3	<3	<30	<3
vinyl chloride			<10	<10	<10	40	45	80	<10	<3	4	<3	<3	<3	5	<30	21
chloroethane			<10	<10	<10	50	20	100	<10	10	35	<3	19	<3	23	<30	26
trans-methane			<10	<10	<10	<0.5	<0.5	<0.5	<10	<3	<3	<3	<3	<3	<3	<30	<3
1,1-dichloroethane			<10	<10	<10	<0.5	<0.5	<0.5	<10	<3	<3	<3	<3	<3	<3	<30	<3
benzene			<5	<5	<5				<5	<3	<3	<3	<3	<3	<3	<30	<3
1,1-dichloroethane			<5	<5	<5	3	2	2	<5	<3	<3	<3	<3	<3	<3	<30	<3
1,2-dichloroethane			<5	<5	<5	<0.5	<0.5	<0.5	<5	<3	<3	<3	<3	<3	<3	<30	<3
1,1,1-trichloroethane			<5	<5	<5	2	<0.5	<0.5	<5	7	<3	<3	<3	<3	<3	<30	<3
1,1,2-trichloroethane		50	85	200	340	47	90	2	9.1	66	3	23	3	13	6	150	29
1,1,1-trichloroethane			<5	<5	<5		<0.5	<0.5	<5	<3	<3	<3	<3	4	<3	30	<3
1,1,2-trichloroethane			<5	<5	<5	<0.5	1	<0.5	<5	<3	<3	<3	<3	<3	<3	<30	<3
1,1,1-trichloroethane		50	78	62	120	50	<0.5	<0.5	29	58	<3	22	<3	<3	<3	70	<3
1,1,2-trichloroethane			<5	<5	<5	<0.5	<0.5	<0.5	<5	<3	<3	<3	<3	<3	<3	<30	<3
1,1,1-trichloroethane			<5	<5	<5	<0.5	<0.5	<0.5	<5	<3	<3	<3	<3	<3	<3	<30	<3
1,1,2-trichloroethane			<5	<5	<5	<0.5	<0.5	<0.5	<5	<3	<3	<3	<3	<3	<3	<30	<3
1,1,1-trichloroethane			<5	<5	<5	<0.5	<0.5	<0.5	<5	<3	<3	<3	<3	<3	<3	<30	<3

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Schuylkill

Exact Sampling Point Farwell Farm well

County Cattaraugus

Contaminant	Unit	Standards	7/30/88	1/12/89	1/5/89	8/29/89	8/29/89	8/29/89	6/28/89	12	12/1/89	12/1/89	3/2/90	3/4/90	6/4/90	9/1/90	9/10/90	
Acetylene	ug/l		66	29	32	23	<0.5	<0.5	<5		27	<3	5	<3	4	<3	30	<3
benzene			<5	<5	<5				<5		<3	<3	<3	<3	<3	<3	<30	<3
1,2-dichloroethane			<5	<5	<5	<0.5	<0.5	<0.5	<5		<3	<3	<3	<3	<3	<3	<30	<3
1,1,2-trichloroethane			<5	<5	<5	<0.5	<0.5	<0.5	<5		<3	<3	<3	<3	<3	<3	<30	<3
1,1,1-trichloroethane			<5	<5	<5	<0.5	<0.5	<0.5	<5		<3	<3	<3	<3	<3	<3	<30	<3
bromoforn			<5	<5	<5	<0.5	<0.5	<0.5	<5		<3	<3	<3	<3	<3	<3	<30	<3
chloroform			<5	<5	<5	<0.5	<0.5	<0.5	<5		<3	<3	<3	<3	<3	<3	<30	<3
1,1,2,2-tetrachloroethane	ug/l		<5	<5	<5	<0.5	<0.5	<0.5	<5		<3	<3	<3	<3	<3	<3	<30	<3
1,1,2,2-tetrachloroethane			<5	<5	<5	<0.5	<0.5	<0.5	<5		<3	<3	<3	<3	<3	<3	<30	<3
toluene			<5	<5	<5				<5		<3	<3	<3	<3	<3	<3	<30	<3
trichloro-fluoromethane			<5	<5	<5				<5		<3	<3	<3	<3	<3	<3	<30	<3
appearance				clear	clear						<3	<3	<3	<3	<3	<3	<30	<3
dichloro-difluoromethane						<0.5	<0.5	<0.5			<3	<3	<3	<3	<3	<3	<100	<10
dibromomethane						<0.5	<0.5	<0.5			<10	<10	<10	<10	<10	<10	<100	<10
2,3-dichloropropene						<0.5	<0.5	<0.5										
1,3-dichloropropene						<0.5	<0.5	<0.5										
1,1-dibromomethane						<0.5	<0.5	<0.5										
1,2-dichloropropane						<0.5	<0.5	<0.5										
1,1,2-trichloroethane						<0.5	<0.5	<0.5			<3	<3	<3	<3	<3	<3	<100	<10
tetrachloroethane						<0.5	<0.5	<0.5			<3	<3	<3	<3	<3	<3	<100	<10
pentachloroethane						<0.5	<0.5	<0.5			<3	<3						

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Fairwell Landfill

Location Ischua

Exact Sampling Point Fairwell Farm Well

County Cattaraugus

^{P.C.} filter ^{gas} ^{P.C.} filter

Unit	8/17/89	5/27/89	8/29/89	6/28/89	12/1/89	12/1/89	3/6/90	3/6/90	6/4/90	6/4/90	9/10/90	9/10/90
1 chlorocyclohexane-1	ug/l	<0.5	<0.5	<0.5								
bis(2-chloroethyl) ether		<0.5	<0.5	<0.5								
1,2-dibromo-3-chloroethane		<0.5	<0.5	<0.5								
bromobenzene		<0.5	<0.5	<0.5								
o-chlorotoluene		<0.5	<0.5	<0.5								
bis(2-chloroisopropyl) ether		<0.5	<0.5	<0.5								
1,3-dichlorobenzene		<0.5	<0.5	<0.5								
1,2-dichlorobenzene		<0.5	<0.5	<0.5	<3	<3	<3	<3	<3	<3	<30	<3
1,4-dichlorobenzene		<0.5	<0.5	<0.5	<3	<3	<3	<3	<3	<3	<30	<3
cis-1,2-dichloroethene		<0.5	<0.5	<0.5	<3	<3	<3	<3	<3	<3	<30	<3
1,2-dibromoethane (ENB)		<0.5	<0.5	<0.5								
tol xylenes					<3	<3	<3	<3	<3	<3	<30	<3
acetone					<10	<10	<10	<10		<10	<100	<10
acrolein					<100	<100	<100	<100		<100	<1000	<100
acrylonitrile					<100	<100	<100	<100		<100	<1000	<100
2butanone					<10	<10	<10	<10	<10	<10	<100	<10
carbon disulfide					<10	<10	<10	<10	<10	<10	<100	<10
1,4-dichlorobutene					<10	<10	<10	<10	<10	<10	<100	<10
ethanol					<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000
ethyl methacrylate					<10	<10	<10	<10	<10	<10	<100	<10
2hexanone					<10	<10	<10	<10	<10	<10	<100	<10
n-butylmethane					<10	<10	<10	<10	<10	<10	<100	<10

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL 05502 Location _____

Exact Sampling Point FARWELL FARM WELLS ^{S.P. 2} County CATTARAUGUS

Date	Parameter	Unit	6 W. Stds	5/24/80	2/17/83	4/10/83	7/11/83	7/24/83	12/16/83	12/22/83	4/24/85	5/1/85	10/17/85	1/21/86	3/27/86	6/25/86	10/1/86	12/1/86	4/15/87	7/15/87
	pH	S.U.	6.5 ¹⁶ _{5.5}	7.92	7.76	7.84		7.64	6.94	7.65	7.71	7.34	7.29	7.48	7.59	7.21	7.57	7.70	7.58	7.41
	Conductance	micro/cm		415	275	271		585	600	600	330	640	690	490	400	410	730	760	400	750
	Chloride	mg/l	250	21	8.7	6.2	NOT	27	28	31	6.1	31	42	30	8.8	9.4	41	39	6.8	38
	TOC	mg/l		4.5	2.1	1.0	NOT	6.0	4.1	4.1	4.1	4.1	3.5	11	21	44	5.5	<1	8.2	31
	Phenols	mg/l	0.001	0.01	0.025	0.02		0.04	0.25	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010
	Total Copper	mg/l	1.0	0.004	0.004	0.04		0.005	0.009	0.014	0.006	0.005	0.009	0.012	0.007	0.005	0.005	0.007	0.008	0.006
	Total Iron	mg/l	0.30	0.14	0.05	0.08	DOUBT	2.7	0.17	0.040	0.35	0.02	0.49	0.04	0.04	0.03	0.09	0.04	0.03	0.11
	TAN	"				10.1					<0.1								0.49	0.11
	Nitrate	"	10			5.1					3.4				2.0				1.3	0.11
	Sulfate	"	250			2.1					2.2				2.3				1.3	0.11
	Total Aluminum	"				0.06					0.04				0.06				0.18	0.18
	Total Chromium	"				0.006					0.005				0.008				0.18	0.18
	Total Zinc	"	5			0.353					0.057				0.008				0.24	0.24
	Total Arsenic	"	0.025			0.005					0.005				0.131				0.24	0.24
	Total Lead	"	0.025			0.005					0.005				0.005				0.24	0.24
	Total Mercury	"	0.002			0.0009					0.005				0.006				0.24	0.24
	Total Cyanide	"	0.2			0.006					0.005				0.002				0.24	0.24
	Manganese	"	0.3			0.02					0.055				0.01				0.24	0.24
											0.021				0.02				0.01	0.01

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area CARROLL LANDFILL Location _____

Exact Sampling Point FARWELL FARM WELL County PUTNAM COUNTY

2/

11/22/82



Parameter	Unit	1/14/74	3/16/74	6/24/75	10/10/75	12/19/75	2/21/76	6/25/76	9/30/76	3/30/77	1/26/77	10/27/77	3/9/78	5/2/79	11/14/79	1/29/80	4/12/82	7/23/82	
AS SO ₄ SULFATES	mg/l	250	—	—	—	16.	—	—	—	—	—	—	—	—	21	—	24		
CYANIDE AS(CN)	mg/l	.2	—	—	—	<.1	—	—	—	—	—	—	—	—	—	—	—		
MBAS AS LAS SURFACTANTS	mg/l	—	—	—	—	<.04	—	—	—	—	—	—	—	—	—	—	20.020		
ARSENIC	mg/l	.025	—	—	—	<.03	—	—	—	—	—	—	—	—	<2	—	0.017		
BARIUM	mg/l	1.0	—	—	—	<.5	—	—	—	—	—	—	—	—	—	—	—		
BERYLLIUM	mg/l	—	—	—	—	<.02	—	—	—	—	—	—	—	—	<.003	—	—		
BORON	mg/l	—	—	—	—	<.1	—	—	—	—	—	—	—	—	—	—	—		
CADMIUM	mg/l	.01	—	—	—	.002	—	—	—	—	—	—	—	—	—	—	—		
TOTAL CHROMIUM	mg/l	—	—	—	—	<.01	—	—	—	—	—	—	—	—	.006	—	20.006		
COPPER	mg/l	1.0	—	—	—	.05	—	—	—	—	—	—	—	—	<.003	0.020	0.022	0.006	
LEAD	mg/l	.025	—	—	—	.02	—	—	—	—	—	—	—	—	<.02	—	20.08		
MERCURY	ug/l	2	—	—	—	<.4	—	—	—	—	—	—	—	—	<.6	—	21		
SELENIUM	mg/l	.02	—	—	—	.005	—	—	—	—	—	—	—	—	—	—	—		
SILVER	mg/l	.05	—	—	—	<.02	—	—	—	—	—	—	—	—	<.005	—	—		
ZINC	mg/l	5	—	—	—	.15	—	—	—	—	—	—	—	—	—	—	—		
PHENOLS	mg/l	.001	—	—	—	<.001	—	—	—	—	—	—	—	—	<.01	—	20.01	0.224	20.01
MORANGE ALKALINITY	mg/l	—	—	—	—	—	—	—	107.	105.	104.	—	—	—	—	—	—		
N.T.U. TURBIDITY	NEPHEL	—	—	—	—	—	—	—	.9	<.2	<.2	<.2	.3	—	—	—	—		
ELECTROM. PH 4.5 ALKALINITY	mg/l	—	—	—	—	—	—	—	—	—	—	92.	95.	106	—	—	—		
COLOR	PC-CO	—	—	—	—	—	—	—	—	—	—	—	—	25	—	—	—		
TOTAL SOLIDS	mg/l	—	—	—	—	—	—	—	—	—	—	—	—	160	—	—	—		
TURBIDITY	FTU	—	—	—	—	—	—	—	—	—	—	—	—	.30	—	—	—		

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill Location _____

Exact Sampling Point 1 Schuch Crk @ DB County CATTARAUGUS
upstream

Parameter	Unit	1/25/85	1/4/85	1/28/85	1/23/85	1/28/85	2/17/85	4/6/85	7/11/85	9/26/85	12/16/85	3/4/86	6/10/86	8/4/86	12/24/86	4/24/87	8/1/87	10/17/87	1/21/88	3/27/88
pH	unitless	7.85	8.68	8.01	7.84	7.56	7.67	6.90	8.24	5.31	7.84	7.50	8.27	7.39	8.17	7.89	7.76	6.47	7.92	
Conductance	µmhos/cm	255	130	330	155	155	150	1050	360	255	245	123	220	190	220	340	340	100	230	
Chloride	250	9.1	9.2	13	8.6	11	6.0	15	13	4.9	11	4.0	14	59	11	19	19	7.4	9.8	
T.O.C.		<2	2	1	3.2	1	7.0	9.5	7.5	3.0	36	4.0	4.0	1	1.5	<1	6.5	12	3.2	
Phenolics	0.001	0.02	0.021	0.01	0.01	0.01	0.01	0.041	0.01	0.057	0.034	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Copper	1.0	0.009	0.012	0.004	0.004	0.004		0.006	0.012	0.006	<0.006	<0.01	0.008	0.008	<0.006	0.008	0.011	0.009	<0.007	
Total Iron	0.3	0.19	0.35	0.30	0.47	0.25	0.20	0.42	0.59	0.87	0.10	1.08	6.35	0.13	0.44	0.20	0.29	0.47	0.22	
T.M.N. mg/l			0.11				0.01				0.80				0.19				<0.5	
Nitrate mg/l	10		0.85				0.45				6.0				0.74				0.80	
Sulfate mg/l	100		14				12				14				15				13	
Total Cu	10.2		<0.020				<0.01				<0.01				<0.05				<0.01	
Total Fe	10.3		0.35				0.20													
Total Al	"		0.1				0.14				0.22				0.34				0.19	
Total Cr	"		<0.006				<0.006				<0.005				<0.005				<0.008	
Total Zn	5		0.039				0.013				<0.008				0.026				<0.004	
Total As	1000		6				<0.005				<0.005				<0.005				<0.005	
Total Lead	1000		0.08				<0.005				<0.005				<0.005				<0.005	
Total Hg	1000		1				<0.9	12			<0.001				<0.005				<0.002	
Total Mn	100		0.02				0.03				<0.02				0.04				0.04	

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FAYRELL LANDFILL Location _____

Exact Sampling Point ISCADA CREEK (ON) DUTCH HILL RD. County CATTARAUGUS

Parameter	Unit	1/14/74	5/30/74	8/1/74	11/7/74	1/14/75	1/29/75	2/12/76	2/24/76	9/23/76	12/24/77	10/21/77	3/9/78	5/2/79	1/14/79	4/23/80	8/1/80	11/14/80
COLOR (APPEARANT)		15.	12.	20.	—	15.	17.	25.	14.	25.	26.	10.	5.	—	—	—	—	—
TURBIDITY	JTU	3	3	5	—	2	3	8.	4.	—	—	—	—	—	—	—	—	—
ODOR, HOT		1.0044	1.0044	1.0044	—	1.0044	1.0044	1.VEG	1.VEG	—	—	—	1.VEG	—	—	—	—	—
ODOR, COLD		2.0035	1.0044	1.0044	—	2.0017	1.0044	1.111-PS	1.0044	1.VEG	2.1.10.11	3. SEWAGE	1.VEG	—	—	—	—	—
AMMONIA	mgN/l	.006	<.02	<.02	—	<.02	<.02	<.02	.02	<.02	.07	<.02	<.02	—	<.5	—	—	—
ALBUMINOID NITROGEN	mgN/l	.078	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
NITRITE	mgN/l	.005	.008	.005	—	.008	.004	.005	.010	.004	.018	.004	.008	—	<.03	—	—	—
NITRATE	mgN/l	1.4	.70	1.0	—	.75	.56	.80	.59	.46	1.282	.816	.932	—	.75	.38	—	—
COD	mg/l	1.2	1.1	4.	—	<4.	5.	<4.	8.	7.	10.	—	—	—	6.7	—	—	—
CHLORIDES	mg/l	8.4	8.0	8.2	—	8.7	5.4	4.0	8.2	7.3	12.	6.7	12.	—	—	9.2	15	9.3
AS CaCO ₃ ALKALINITY	mg/l	128	136	140	—	136	76	41.	112.	—	140.	—	112.	102	—	—	—	—
ALKALINITY	mg/l	86	95	113	—	100.	72.	30.	87.	—	—	—	—	—	—	—	—	—
pH		7.8	7.7	7.9	—	8.3	7.6	7.	7.9	7.6	8.0	7.5	7.4	8.34	—	8.61	7.94	7.31
IRON	mg/l	<.02	.37	.46	.43	.32	.18	.57	.24	.18	.35	—	.11	.12	—	.11	.29	.10
MANGANESE	mg/l	<.02	.15	.1	.06	.04	<.02	.01	.06	.02	.05	—	.05	—	—	.08	—	—
SODIUM	mg/l	5	7	10.	—	9.	5.	3.	5.	3.	7.	5.	6.	—	4.9	—	—	—
CONDUCTIVITY	umhos/cm	174	—	—	—	—	—	—	—	—	—	—	—	218	—	225	315	220
KJELDAHL NITROGEN	mg/l	—	.12	.35	—	—	.18	—	—	—	—	—	—	—	<.5	.14	—	—
TOTAL PHOSPHATE S	mgP/l	—	.01	.05	—	—	.03	—	—	—	—	—	—	—	.02	—	—	—
CADMIUM	mg/l	—	—	—	<.02	—	<.02	—	—	—	—	—	—	—	—	—	—	—
TOTAL CHROMIUM	mg/l	—	—	—	<.1	—	<.01	—	—	—	—	—	—	—	—	.004	<.003	—
COPPER	mg/l	—	—	—	.05	—	<.05	—	—	—	—	—	—	—	<.003	<.003	.016	.016

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

2/

Refuse Disposal Area FARWELL LANDFILL - Location _____

Exact Sampling Point ISCHUA CREEK @ DUTCH HILL RD County CATTARAUGUS

Date	Parameter	Unit	1/14/74	5/23/74	8/6/74	11/7/74	10/12/75	12/19/75	2/27/76	6/24/76	9/30/76	7/26/77	10/27/77	3/7/78	5/2/79	7/24/79	4/23/80	8/1/80	11/14/80
	LEAD	mg/l	-	-	-	<.1	-	.01	-	-	-	-	-	-	-	.02	(.03)	-	-
	MERCURY	ug/l	-	-	-	<.4	-	<.4	-	-	-	-	-	-	-	<.6	<.6	-	-
	ZINC	mg/l	-	-	-	<.05	-	<.65	-	-	-	-	-	-	-	-	<.003	-	-
	NICKEL	mg/l	-	-	-	.05	-	-	-	-	-	-	-	-	-	-	-	-	-
	POTASSIUM	mg/l	-	-	-	-	1.6	1.0	.9	11.	1.4	1.4	-	1.0	-	1.0	-	-	-
	FLUORIDES	mg/l	-	-	-	-	-	<.1	-	-	-	-	.1	-	-	-	-	-	-
	TDS	mg/l	-	-	-	-	-	94	-	-	-	-	-	-	-	-	-	-	-
	AS SO ₄ SULFATES	mg/l	-	-	-	-	-	14	-	-	-	-	-	-	-	15	15	-	-
	CYANIDE AS CN	mg/l	-	-	-	-	-	<.1	-	-	-	-	-	-	-	-	<.02	-	-
	MBAS AS LAS SURFACTANTS	mg/l	-	-	-	-	-	<.04	-	-	-	-	-	-	-	-	-	-	-
	ARSENIC	mg/l	-	-	-	-	-	<.03	-	-	-	-	-	-	-	<.2	<.001	-	-
	BARIUM	mg/l	-	-	-	-	-	<.5	-	-	-	-	-	-	-	-	-	-	-
	BERILLIUM	mg/l	-	-	-	-	-	<.02	-	-	-	-	-	-	-	<.003	-	-	-
	BORON	mg/l	-	-	-	-	-	<.1	-	-	-	-	-	-	-	-	-	-	-
	SELENIUM	mg/l	-	-	-	-	-	<.005	-	-	-	-	-	-	-	-	-	-	-
	SILVER	mg/l	-	-	-	-	-	<.02	-	-	-	-	-	-	-	.005	-	-	-
	PHENOL	mg/l	.001	-	-	-	-	<.001	-	-	-	-	-	-	-	<.01	(.01)	<.01	.01
	M'ORANGE ALKALINITY	mg/l	-	-	-	-	-	-	-	-	74	112	92	-	-	-	-	-	-
	NTU TURBIDITY	NEPHEL	-	-	-	-	-	-	-	-	3	7	2.7	2.6	-	-	-	-	-
	ELECTRICITY U.S. ALKALINITY	mg/l	-	-	-	-	-	-	-	-	-	-	-	41	82.6	-	-	-	-
	COLOR	PC-CO	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-
	TOTAL SOLIDS	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	160	-	-	-	-

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

3/

Refuse Disposal Area FAIRBANKS LANDFILL Location _____

Exact Sampling Point SCHUBA CREEK @ DUTCH HILL RD County WATERBURY



Date	Parameter	Unit	1/14/74	5/30/74	8/6/74	11/5/74	10/14/75	12/9/75	5/27/76	6/24/76	7/30/76	7/26/77	12/1/77	4/1/78	5/1/79	12/2/79	4/25/80	8/1/80	11/14/80
	TURBIDITY	FTU	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-
	BOD5	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	-	-	-
	METHYLENE BLUE ACTIVE SUBSTANCES	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	<.02	-	-	-
	TOTAL ALUMINIUM	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	.2	.2	-	-
	TOTAL LITHIUM	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	<.5	-	-	-
	TOTAL CALCIUM	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-
	TOTAL TITANIUM	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	<.07	-	-	-
	TOC	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	2.7	<1

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL Location _____

Exact Sampling Point Ischua Creek - Downstream, Kent Rd. Bridge County CATTARAUGUS

✓

Date	Parameter	Unit	6/5/82	7/23/82	9/24/82	2/17/83	4/15/83	7/11/83	9/26/83	12/16/83	3/11/84	6/10/84	10/1/84	12/20/84	4/24/85	8/1/85	10/17/85	1/21/86	3/27/86	6/25/86
	pH	S.U.	7.57	8.01	8.09	7.69	8.01	8.29	8.57	8.19	7.41	8.38	7.58	8.21	7.87	7.98	6.87	7.64	7.89	
	Conductance	micro-mhos/cm	315	200	189	151	228	382	218	8100	142	276	195	210	3100	330	110	220	230	
	Chlorides	mg/l	13	9.9	11	6.5	15	14	4.9	9.5	5.0	13	8.8	11	18	21	12	12	14	
	TOC	"	2.1	3.5	2.1	6.0	11	12	2.1	20	5.0	27	2.1	1.0	2.1	4.0	9.6	1.3	3.5	
	phenols	"	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.057	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Copper	"	1.0	<0.004	0.004	<0.004	0.004	0.014	0.008	<0.006	0.017	0.010	0.008	<0.005	<0.01	0.007	0.009	<0.007	<0.005	
	Iron tot.	"	0.3	0.14	0.22	0.09	0.24	0.34	2.6	0.66	0.07	0.950	0.39	0.15	0.49	0.27	0.18	0.39	1.83	0.25
	TKN	"				0.1			0.30					0.11				<1		
	Nitrate	"	10			0.46			0.91					0.66				0.67		
	Sulfate	"	250			1.2			14					15				13		
	Aluminum	"				0.06			0.10					0.22				1.46		
	Total Chromium	"				0.006			0.005					0.005				0.008		
	Total Zinc	"				0.008			0.010					0.028				0.017		
	Total Arsenic	"	0.025			0.005			0.005					0.005				0.005		
	Total Lead	"	0.025			0.005			0.005					0.005				0.005		
	Total Mercury	ug/l	2			3.9	0.002		0.001					0.005				0.005		
	Total Manganese	mg/l	0.3			0.03			0.021					0.014				0.10		
	Total Cyanide	mg/l	0.2			0.01			<0.01					<0.03				<0.01		

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL Location _____

Exact Sampling Point SCHEDE CRIPPER WEST County CATTARAUGUS

1/



Date	Parameter	Unit	5/24/74	8/6/74	11/7/74	6/24/75	12/9/75	2/27/76	6/21/76	9/30/76	1/24/77	10/10/77	3/9/78	5/2/79	10/1/79	4/23/80	8/1/80	11/14/80	4/12/82	
	COLOR (APARENT)		15.	10.	—	30.	15.	21.	23.	20.	20.	10.	5.	—	—	—	—	—	—	
	TURBIDITY	FTU	3.	2.	—	17.	3.	6.	4.	—	—	—	—	—	—	—	—	—	—	
	ODOR, HOT		1,004/1	1,004/4	—	1,004/1	1,004/1	1,VEG	1,VEG	—	—	—	1,VEG	—	—	—	—	—	—	
	ODOR, COLD		1,004/1	—	—	1,004/1	1,004/1	1,VEG	1,VEG	1,EMPTY	1,VERAGE	3,STABLE	1,DISABGE	—	—	—	—	—	—	
	AMMONIA	mg/l/p	.15	.02	—	.03	<.02	<.02	.03	<.02	.02	<.02	<.02	—	<.5	—	—	—	—	
	NITRITE	mg/l/p	.006	.012	—	.013	.003	.003	.008	.003	.010	.006	.006	—	.03	—	—	—	—	
	NITRATE	mg/l/p	.65	1.0	—	1.7	.54	.74	4.92	4.57	1.29	.814	.954	—	.79	.38	—	—	0.89	
	CHLORIDES AS CaCO ₃	mg/l/p	8.5	9.4	—	7.7	5.1	4.5	8.4	7.2	11.	6.3	12.	—	—	9.2	14	9.8	9.7	
	HARDNESS AS CaCO ₃	mg/l/p	124	136	—	140	86.	46.	128.	104.	128.	—	120.	94.8	—	—	—	—	—	
	ALKALINITY	mg/l/p	98	117	—	81	53.	38.	90.	—	—	—	—	—	—	—	—	—	—	
	PH		1.7	8.1	—	8.7	7.6	7.5	7.8	7.7	8.1	7.8	7.9	8.11	—	—	8.62	7.90	7.52	8.33
	CHLORIDE NITROGEN	mg/l/p	.21	.23	—	.34	.16	—	—	—	—	—	—	—	<.5	.14	—	—	0.19	
	CO ₂	mg/l/p	7.	8.	—	9.	<4.	<4.	<4.	8.	<4.	—	—	—	8.6	—	—	—	—	
	IRON	mg/l/p	.36	.32	.30	—	.12	.36	.12	.18	.33	—	.14	.14	—	.11	.25	.15	0.39	
	MANGANESE	mg/l/p	<.02	<.02	.01	—	<.02	.05	.01	<.02	.02	—	.02	—	—	.08	—	—	10.02	
	SODIUM	mg/l/p	8.	12.	—	7.	6.	3.	6.	4.	6.	5.	6.	—	4.9	—	—	—	—	
	TOTAL PHOSPHATES	mg/l/p	.01	.04	—	—	.03	—	—	—	—	—	—	—	.03	—	—	—	—	
	CADMIUM	mg/l/p	—	—	<.02	—	<.02	—	—	—	—	—	—	—	—	—	—	—	—	
	TOTAL CHLORIDES	mg/l/p	—	—	<.1	—	<.01	—	—	—	—	—	—	—	.008	<.003	—	—	0.006	
	COPPER	mg/l/p	—	—	<.05	—	<.05	—	—	—	—	—	—	—	.003	<.003	.026	.006	0.008	
	LEAD	mg/l/p	—	—	<.1	—	.02	—	—	—	—	—	—	—	<.02	.03	—	—	10.08	
	MERCURY	ug/l/p	—	—	<.4	—	<.4	—	—	—	—	—	—	—	<.6	<.6	—	—	11	



New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

2

Refuse Disposal Area FAMMELL LANDFILL Location _____

Exact Sampling Point ISCHUA CREEK @ EAST 121 County CATTARAUGUS

Date	Parameter	Unit	5/3/74	8/6/74	11/2/74	6/24/75	12/9/75	2/21/76	6/24/76	9/30/76	1/26/77	10/21/77	3/9/78	5/2/79	12/10/79	4/23/80	8/1/80	11/14/80	4/12/82
	ZINC	mg/l	-	-	<.05	-	<.05	-	-	-	-	-	-	-	-	<.003	-	-	0.020
	NICKEL	mg/l	-	-	<.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BICARB AS CaCO ₃	mg/l	-	-	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-
	ALCALINITY	mg/l	-	-	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-
	CARB AS CaCO ₃	mg/l	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-
	POTASSIUM	mg/l	-	-	-	1.5	1.3	.9	1.2	.9	1.4	-	1.0	-	1.0	-	-	-	-
	FLUORIDES	mg/l	-	-	-	-	<.1	-	-	-	-	.01	-	-	-	-	-	-	-
	TDS	mg/l	-	-	-	-	87	-	-	-	-	-	-	-	-	-	-	-	-
	AS SO ₄	mg/l	250	-	-	-	13	-	-	-	-	-	-	-	-	12	15	-	14
	SULFATES	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
	CYANIDE AS CN	mg/l	-	-	-	-	<.1	-	-	-	-	-	-	-	-	<.02	-	-	10.02
	MBAS AS LAS	mg/l	-	-	-	-	<.04	-	-	-	-	-	-	-	-	-	-	-	-
	SURFACTANTS	mg/l	-	-	-	-	<.04	-	-	-	-	-	-	-	-	-	-	-	-
	ARSENIC	mg/l	-	-	-	-	<.03	-	-	-	-	-	-	-	<.2	<.001	-	-	10.005
	BARIUM	mg/l	-	-	-	-	<.5	-	-	-	-	-	-	-	-	-	-	-	-
	BERYLLIUM	mg/l	-	-	-	-	<.02	-	-	-	-	-	-	-	<.003	-	-	-	-
	BORON	mg/l	-	-	-	-	<.1	-	-	-	-	-	-	-	-	-	-	-	-
	SELENIUM	mg/l	-	-	-	-	<.005	-	-	-	-	-	-	-	-	-	-	-	-
	SILVER	mg/l	-	-	-	-	<.02	-	-	-	-	-	-	-	<.005	-	-	-	-
	PHENOL	mg/l	-	-	-	-	<.001	-	-	-	-	-	-	-	<.01	(.01)	<.01	<.01	10.01
	ALCALINITY	mg/l	-	-	-	-	-	-	-	75	108	-	-	-	-	-	-	-	-
	N.T.U.	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TURBIDITY	mg/l	-	-	-	-	-	-	-	3	6	2.7	1.5	-	-	-	-	-	-
	ELECTROD. PHOS	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ALCALINITY	mg/l	-	-	-	-	-	-	-	-	92	95	84.2	-	-	-	-	-	-
	COOR	mg/l	-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-	-
	CONDUCTANCE	mg/l	-	-	-	-	-	-	-	-	-	-	-	220	-	200	305	225	179

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

3/

Refuse Disposal Area FABOULL LANDFILL Location _____

Exact Sampling Point ISSUEW CREEK @ KENN RD County CATTARAUGUS

Date	Parameter	Unit	5/23/81	8/6/84	11/7/84	6/24/85	12/9/85	3/27/86	6/24/86	9/22/86	1/26/87	10/1/87	3/4/88	5/2/89	12/20/89	4/23/80	8/1/80	11/1/80	4/12/82
	BOD5	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	<2	-	-	-	-
	METHYLENE BLUE ACTIVE SUBSTANCES	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	<.03	-	-	-	-
	TOTAL ALUMINUM	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	.3	.2	-	-	0.1
	TOTAL LITHIUM	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	<.5	-	-	-	-
	TOTAL CALCIUM	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-
	TOTAL TITANIUM	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	<.07	-	-	-	-
	TURBIDITY	FTU	-	-	-	-	-	-	-	-	-	-	-	90	-	-	-	-	-
	TOTAL SOLIDS	mg/l	-	-	-	-	-	-	-	-	-	-	-	150	-	-	-	-	-
	TOC	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1.8	1.5	2.2

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area FARWELL LANDFILL - Location _____

Exact Sampling Point ISCHUA CREEK @ FARWELL TPA County CATTARAUGUS

Parameter	Unit	1/14/74	5/31/74	8/16/74	11/7/74	6/24/75	10/10/75	12/19/75	2/12/76	6/24/76	9/5/76	7/22/77	10/21/77	5/2/79	7/12/79
COLOR (APPROX)		10	18	15	-	35	15	16	17	26	25	20	11	-	-
TURBIDITY	JTU	2	4	3	-	9	3	3	7	7	-	-	-	-	-
ODOR, HOT		1.00/14	1.00/14	1.00/14	-	1.00/14	1.00/14	1.00/14	1,VEG	1,VEG	-	-	-	-	-
ODOR, COLD		1.00/14	1.00/14	1.00/14	-	1.00/14	1.00/10	1.00/14	1,EMPTY	2,EMPTY	1,VEG	1,SEWAGE	2,SEWAGE	-	1,VEG
AMMONIA	mg/l P	.006	<.02	.04	-	.03	<.02	<.02	<.02	.01	<.02	.04	<.02	-	-
ALBUMINOID NITROGEN	mg/l P	.014	-	-	-	-	-	-	-	-	-	-	-	-	-
NITRITE	mg/l P	.004	.006	.015	-	.014	.006	.003	.006	.01	.003	.014	.006	-	-
NITRATE	mg/l P	1.3	.6	1.	-	1.0	.64	.52	.70	.49	.517	1.386	.914	-	.9
COD	mg/l P	.1	5.	10.	-	10.	<4.	4.	5.	14.	10.	<4.	-	-	7
CHLORIDES AS CaCO ₃	mg/l P	83.2	80	9.1	-	7.5	9.0	5.5	4.4	8.2	7.4	12.	6.4	-	13
HARDNESS AS CaCO ₃	mg/l P	116	116	144	-	121	132	88.	31.	120.	120.	144.	-	90.5	128
ALKALINITY	mg/l P	83	96	110	-	83	95	53.	32	121.	-	-	-	-	-
pH		7.9	7.6	7.9	-	8.0	8.6	7.6	7.3	7.8	7.7	8.0	7.7	8.22	7.8
IRON	mg/l P	.10	.34	.39	.24	-	.40	.13	.40	.41	.22	.25	-	.09	.20
MANGANESE	mg/l P	<.02	.13	.1	.04	-	.03	<.02	.03	.08	.03	.03	-	-	.07
SEDIMENT	mg/l P	7	3	12	-	7.	10.	6.	2.	5.	-	7.	5.	-	-
CONDUCTIVITY	umhos/cm	157	-	-	-	-	-	-	-	-	-	-	-	215	-
VELODAIL NITROGEN	mg/l P	-	.15	.36	-	.35	-	.23	-	-	-	-	-	-	-
TOTAL DISSOLVABLES	mg/l P	-	.01	.04	-	-	-	<.01	-	-	-	-	-	-	-
CADMIUM	mg/l P	-	-	-	<.02	-	-	<.001	-	-	-	-	-	-	-
TOTAL CHROMIUM	mg/l P	-	-	-	<.01	-	-	<.01	-	-	-	-	-	-	.01
COPPER	mg/l P	-	-	-	.05	-	-	<.01	-	-	-	-	-	-	-

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

2/

Refuse Disposal Area FARWELL (A/D) LLC - Location _____

Exact Sampling Point SCHOOL GREEN @ FARWELL RD County CATTARAUGUS

Date	Parameter	Unit	11/17/74	5/22/74	8/6/74	11/17/74	6/25/75	10/10/75	12/9/75	2/11/76	6/24/76	7/30/76	7/26/77	10/27/77	5/2/79	7/12/79
	LEAD	mg/l ¹	-	-	-	<.1	-	-	.02	-	-	-	-	-	-	-
	MERCURY	ug/l ²	-	-	-	<.4	-	-	<.4	-	-	-	-	-	-	-
	ZINC	mg/l ²	-	-	-	<.05	-	-	<.05	-	-	-	-	-	-	<.05
	NICKEL	mg/l ²	-	-	-	<.05	-	-	-	-	-	-	-	-	-	-
	POTASSIUM	mg/l ²	-	-	-	-	1.3	1.6	1.3	.9	1.1	.6	1.4	-	-	-
	BICARB AS CaCO ₃	mg/l ²	-	-	-	-	-	85	-	-	-	-	-	-	-	-
	ALCALINITY	mg/l ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CARB AS CaCO ₃	mg/l ²	-	-	-	-	-	10	-	-	-	-	-	-	-	-
	ALCALINITY	mg/l ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	FLUORIDES	mg/l ²	-	-	-	-	-	-	.19	-	-	-	-	.1	-	-
	TDS	mg/l ²	-	-	-	-	-	-	88.	-	-	-	-	-	-	193
	SULFATES	mg/l ²	-	-	-	-	-	-	13.	-	-	-	-	-	-	-
	CYANIDE ALK	mg/l ²	-	-	-	-	-	-	<.1	-	-	-	-	-	-	-
	MBAS AS LAS	mg/l ²	-	-	-	-	-	-	<.04	-	-	-	-	-	-	-
	SURFACTANTS	mg/l ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ARSENIC	mg/l ²	-	-	-	-	-	-	<.03	-	-	-	-	-	-	-
	BARIUM	mg/l ²	-	-	-	-	-	-	<.5	-	-	-	-	-	-	-
	BERYLLIUM	mg/l ²	-	-	-	-	-	-	<.02	-	-	-	-	-	-	-
	BORON	mg/l ²	-	-	-	-	-	-	<.1	-	-	-	-	-	-	-
	SELENIUM	mg/l ²	-	-	-	-	-	-	<.005	-	-	-	-	-	-	-
	SILVER	mg/l ²	-	-	-	-	-	-	<.02	-	-	-	-	-	-	-
	PHENOL	mg/l ²	-	-	-	-	-	-	.001	-	-	-	-	-	-	<.005
	ALCALINITY	mg/l ²	-	-	-	-	-	-	-	-	-	74.	113.	-	-	-
	TURBIDITY	NTU	-	-	-	-	-	-	-	-	-	3.	7.	35	-	-
	ELECTROD. pH 4.5	DEPTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ALCALINITY	mg/l ²	-	-	-	-	-	-	-	-	-	-	93.	83.3	122	-

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill Location _____

Exact Sampling Point Leachate Tank 21 County Cattaraugus

do not
copy

Date	Parameter	Unit	GW standard	4/24/85	8/1/85	10/17/85	1/21/86	3/27/86	6/25/86	9/15/86	12/11/86	1/15/87	7/15/87	9/29/87
	pH	s.u.	6.5-8.5	5.73	5.86	8.79	6.41	7.48	7.27	6.89	7.57	7.39	7.77	
	conductance	umhos		13,000	6900	550	860	1000	1650	1730	2740	2520	1680	
	chlorides	mg/L	250	1070	433	92	84	109	180	186	400	502	250	
	TOC	"		10,500	4600	68	201	133	42.3	408	620	285	86	
	phends	"	.001	5.4	2.3	<0.01	0.089	0.074	0.179	0.209	0.37	0.13	0.016	
	copper det	"	1.0	0.526	0.084	0.010	0.018	0.009	0.006	0.013	0.008/20.005	0.017/20.005	0.0095/20.005	
	iron det	"	0.3	11,300	478	510	22	11	8.95	40	38/2.4	20/0.52	7.4/0.50	
	TKN	"		794				12			54			
	nitrate	"	10	<0.5				0.065				<0.05		
	sulfate	"	250	595				38				22		
	aluminum det/sc	"		253				1.13			0.63/0.26			
	tot chromium det/sc	"		0.422				0.012			0.009/20.005			
	tot zinc det/sc	"		27				0.169			0.21/2.11			
	tot arsenic det/sc	"	0.025	0.310				<0.005			0.005/20.005			
	tot lead det/sc	"	0.025	0.380				<0.005			0.005/20.005			
	tot mercury det/sc	mg/L	2	0.0007				<0.002			0.005/20.005			
	tot manganese det/sc	mg/L	0.3	141				3.6			6.7/3.8			
	tot cyanide det/sc	"	0.2	0.026				<0.01						

see also data in Hydrogeo
Investigation No. 87

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Fanwell Landfill

Location Ischua

Exact Sampling Point 95

County Cattaraugus

Parameter	Unit	Standard	7/29/88	11/12/89	4/5/89	6/27/89	12/6/89	3/5/90	6/4/90	9/10/90	12/12/90	3/18/91	6/4/91	11/17/91
pH	S.U.	6.5-8.5												
Specific Conductance	umhos/cm													
Temp	°C													
TOC	mg/l													
CO ₂	mg/l													
Iron	mg/l	.3												
Manganese	mg/l	.3												
Ammonia	mg/l													
Sulfate	mg/l	250												
Total Alkalinity	mg/l													
Hardness	mg/l													
Total Aluminum	mg/l													
Antimony	mg/l													
Arsenic	mg/l	.025												
Beryllium	mg/l													
Cadmium	mg/l	.01												
Chromium	mg/l													
Copper	mg/l	1.0												
Lead	mg/l	.025												
Mercury	mg/l	.002												
Nickel	mg/l													
Selenium	mg/l	.02												

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New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Foxwell Landfill

Location Tischua

Exact Sampling Point 915

County Cattaraugus

Parameter	Unit	9/21/88	9/27/88	1/12/89	4/5/89	6/29/89	12/6/89	3/5/90	3/2/90	4/4/90	4/10/90	12/12/90	3/18/91	6/14/91	7/17/91
Silver	mg/l	0.05	0.10	0.10	0.080	0.001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.006	0.01
Mercurium	mg/l	1.00	1.00	1.00	1.00	0.005	0.01	0.01	0.01	0.01	0.003	0.005	0.005	0.006	0.01
Zinc	mg/l	0.05	0.05	0.05	0.07	0.05	0.05	0.01	0.01	0.01	0.003	0.005	0.005	0.005	0.005
turbidity				turbid		clear	cloudy	clear			56	152.3	200+	200+	7200
chloromethane	ng/l	<10	<10	<10	<10	<10	<3	<15	<15	<3	<30	<10	<10	<10	<10
vinyl chloride		<10	<10	<10	<10	<10	3	<15	<15	<3	<30	6	4	5	31
chloroethane		<10	<10	<10	<10	<10	80	<15	<15	55	<30	51	38	62	23
benzene		<10	<10	<10	<10	<10	<3	<15	<15	<3	<30	<10	<10	<10	<10
1,1-dichloroethane		<10	<10	<10	<10	<10	<3	<15	<15	<3	<30	<10	<10	<10	<10
1,1-dichloroethene		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<10	<10	<10	<10
1,2-dichloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,2-dichloroethene		<5	<5	<5	<5	<5.0	<3	<15	<15	21	<30	2	2	2	0.97
1,1,1-trichloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,1,2-trichloroethane		85	81	220	530	180	18	<15	<15	11	<30	5	4	4	4.0
1,1,2,2-tetrachloroethane		<5	<5	<5	<5	<5.0	160	440	370	220	440	300	300	270	200
1,1,1,2-tetrachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	110	<30				23
1,1,1,2,2-pentachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,1,1,2,2,2-hexachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	3	2	<5	1.4
1,1,1,2,2,2-hexachloroethane		28	23	33	36	44	96	140	130	74	110	94	67	78	61
1,1,1,2,2,2-hexachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,1,1,2,2,2-hexachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,1,1,2,2,2-hexachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	0.9	<5	<5	<5
1,1,1,2,2,2-hexachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Dutchess

Exact Sampling Point 915

County Cattaraugus

Parameter	Unit	9/29/88	9/29/88	1/12/89	1/5/89	6/29/89	12/6/89	3/5/90	3/5/90	6/4/90	9/10/90	12/12/90	3/18/91	6/14/91	7/7/91
trichloroethylene	ug/l	<5	<5	<5	<5	<5.0	<5	<15	<15	24	<30	11	8	9	8.2
benzene		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	2	1	1	0.85
1,1,1-trichloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,1,2-trichloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,1,2,2-tetrachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,1,2,2-tetrachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,1,2,2-tetrachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
1,1,2,2-tetrachloroethane		<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
total petroleum hydrocarbons (TPH)	mg/l	1488.34		1491.45	1493.89	1493.28	1491.39	1491.63		1491.21	1490.93	1490.81	1490.61	1489.91	1489.31
1,1,2,2-tetrachloroethane	ug/l	<5	<5	<5	<5	<5.0					<30				
1,1,2,2-tetrachloroethane	ug/l	<5	<5	<5	<5	<5.0	<3	<15	<15	<3		<5	<5	<5	<5
trichloroethylene	ug/l	<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	<5	<5	<5	<5
trichloroethylene	ug/l	<5	<5	<5	<5	<5.0	<3	<15	<15	<3	<30	8.1	<5	0.7	0.97
appearance				turbid	cloudy										
1,2-dichlorobenzene							<3	<15	<15	<3	<30	<5	<5	<5	<5
1,3-dichlorobenzene							<3	<15	<15	<3	<30		<5	<5	<5
1,4-dichlorobenzene							<3	<15	<15	<3	<30		<5	<5	<5
total xylenes							<3	<15	<15	<3	<30		<5	<5	<5
1,2-dichloroethane							<3	<15	<15	<3	<30	<5	<5	<5	<5
1,2-dichloroethane							<3	<15	<15	<3	<100	ND	<10	<10	<10
acetone							<10	<50	<50	<10	<100	<10	<10	<10	<10
acrolein							<100	<500	<500	<100	<1000	<100	<100	<100	<100

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farnell Landfill

Location Jschura

Exact Sampling Point 105

County Cattaraugus

Parameter	Unit	Standard	9/30/88	1/10/89	4/5/89	6/8/89	12/6/89	3/5/90	6/4/90	9/10/90	12/12/90	3/18/91	6/19/91	9/17/91
pH	S.U.	6.5-8.5	6.44	6.35	6.09	6.68	6.15	6.52	6.82	6.59	6.47	6.37		7.0
Specific Conductance	umho/cm		945	839	1045	1138	900	1038	570	790	1100	1000		1170
Temp	°C		14.0	11	10.0	21	9	9.1	16.5	16	10.0	8.0		11
TCC	mg/l		6.6	84.4	73	15	6.0	4.6	4.8	6	4.3	30		4.5
CO _D	mg/l		43.9	8.5	2.2	34.4	30	61	20	30	20.0	82		51
Iron	mg/l	.3	6.20	15.20	4.17	88.2	20.03	20.41	3.4	0.96	9.9	33	44	278
Manganese	mg/l	.3	1.59	2.01	1.52	1.38	0.87	1.2	1.1	0.96	0.96	0.89	2.1	2.0
Nitrate	mg/l		2.5	2.75	2.36	1.8	1.4	1.8	2.3	1.8	2.1	2.2	1.6	1.5
Chloride	mg/l	250	43.7	49.0	56	133	33	21	19	12	16.0	16		34
Total Hardness	mg/l		530	570	480	530	440	430	440	520	665	535		538
Total Solids	mg/l		740	700	490	580	470	400	380	540	632	1430		1030
Calcium	mg/l		25.00	25.00	5.00	25.00	20.5	20.5	20.5	20.5	7.7	10.1		4.3
Magnesium	mg/l		0.020	0.020	0.020	0.020	0.01	0.01	0.01	0.01	0.01	0.01		0.02
Sulfate	mg/l	105	0.015	0.015	0.015	0.015	0.005	0.005	0.005	0.005	0.005	0.005		0.005
Ammonia	mg/l		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005		0.005
Nitrite	mg/l		0.04	0.04	0.04	0.04	0.005	0.005	0.005	0.005	0.005	0.005		0.005
Chlorine	mg/l	10	0.20	0.20	0.20	0.20	0.02	0.02	0.02	0.02	0.02	0.02		0.02
Lead	mg/l	0.05	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001
Mercury	mg/l	0.02	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001
Cadmium	mg/l		0.030	0.030	0.030	0.030	0.03	0.03	0.03	0.03	0.03	0.03		0.03
Antimony	mg/l	0.2	0.005	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001		0.001

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Tsishua

Exact Sampling Point 105

County Cattaraugus

Parameter	Unit	Standard	9/30/88	1/13/89	4/6/89	6/28/89	11/6/89	3/5/90	6/4/90	9/10/90	12/12/90	3/18/91	9/7/91
silver	mg/l	0.05	<0.10	<0.10	0.002	0.001	<0.05	0.05	0.05	0.05	0.005	0.005	0.01
thallium	mg/l		<1.00	<1.00	<1.00	0.005	<0.01	0.01	0.001	0.003	0.005	0.005	0.01
zinc	mg/l	5	0.05	0.05	0.05	0.05	0.005	0.01	0.001	0.003	0.005	0.005	0.005
turbidity	NTU		0.05	0.05	0.05	0.05	0.01	0.06	0.07	0.10	0.91	0.91	0.084
dimethylmercury	ng/l		<10	<10	<10	<10	<3	<3	<3	37	15.75	200 +	7.200
vinyl chloride			<10	<10	<10	<10	<3	<3	<3	<3	<10	<10	<10
trichloroethane			<10	<10	<10	<10	<3	<3	<3	26	16	5	<10
benzene			<10	<10	<10	<10	<3	<3	<3	72	16	4	<10
1,1-dichloroethane			<10	<10	<10	<10	<3	<3	<3	<3	<10	<10	<10
1,1,1-trichloroethane			<10	<10	<10	<10	<3	<3	<3	<3	<10	<10	<10
1,1,2-trichloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<10	<10	<10
1,2-dichloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1-dichloroethene			<5	<5	<5	<5	<3	<3	<3	<3	0.5	<5	<5
1,2-dichloroethene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,1-trichloroethene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,2-trichloroethene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,2,2-tetrachloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,1,2-tetrachloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,2,2-tetrachloroethene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,1-trichloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,2-trichloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,2,2-tetrachloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,1,2-tetrachloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,2,2-tetrachloroethene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,1-trichloroethene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,2-trichloroethene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5
1,1,2,2-tetrachloroethene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Favavell Landfill

Location J. Schwa

Exact Sampling Point 105

County Cattaraugus

Parameter	Unit	Standard	9/30/88	1/13/89	4/6/89	6/28/89	12/6/89	3/5/90	6/4/90	9/10/90	12/12/90	3/15/91	9/17/91			
trichloroethylene	ug/l		<5	<5	<5	<5	<3	<3	<3	<3	2	<5	<5			
benzene			<5	<5	<5	<5	<3	<3	<3	<3	5	2	<5			
cis-1,3-dichloropropene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5			
1,1,2-trichloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5			
o-bromochloromethane			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5			
bromotoluene			<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5			
gr etc carbon (ppm)	Hydrocarbon concentration		1497.92	1498.97	1498.06	1498.33	1500.69	1520.66	1499.21	1522.76	1501.29	1498.49	1495.79			
1,1,2,2-tetra- chloroethylene	ug/l		<5	<5	<5	<5		<3								
1,1,2,2-tetra- chloroethane	ug/l		<5	<5	<5	<5	<3		<3	<3	<5	<5	<5			
toluene	ug/l		<5	<5	<5	<5	<3	<3	<3	<3	<5	<5	<5			
trichloro- fluoromethane	ug/l		<5	<5			<3	<3	<3	<3	1.1	<5	<5			
appearance					turbid	turbid	turbid	clear	turbid							
tetrachloro- ethylene							<3	<3	<3	<3	<5	<5	<5			
1,2-dichloro- benzene							<3	<3	<3	<3		<5	<5			
1,3-dichloro- benzene							<3	<3	<3	<3		<5	<5			
1,4-dichloro- benzene							<3	<3	<3	<3		<5	<5			
xylenes							<3	<3	<3	<3	<5	<5	<5			
dichloro-di- fluoromethane							<3	<3	<3	<10	ND	<10	<10			
acetone							<10	<10	<10	<10	<10	<10	<10			
acrolein							<100	<100	<100	<100	<100	<100	<100			
acrylo- nitrile							<100	<100	<100	<100	<100	<100	<100			

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Jschwan

Exact Sampling Point 10D

County Cattaraugus

Concentration	Unit	Standard	9/30/88	1/12/89	1/14/89	4/5/89	4/5/89	6/28/89	12/6/89	3/5/90	6/4/90	9/10/90	9/10/90	12/12/90	3/18/91	6/19/91	9/17/91
Lead	mg/l	0.5	<0.10 0.10	<0.10 0.10	<0.10 0.10	<0.001 0.001	0.019 0.001	<0.001 0.001	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.005 0.005	<0.006 0.006	<0.01 0.01
Mercurium	mg/l		<1.00 1.00	<1.00 1.00	<1.00 1.00	<1.00 1.00	<1.00 1.00	<0.005 0.005	<0.01 0.01	<0.01 0.01	<0.001 0.001	<0.003 0.003	<0.003 0.003	<0.005 0.005	<0.005 0.005	<0.006 0.006	<0.01 0.01
Zinc	mg/l	5	<0.05 0.05	<0.05 0.05	0.07 0.05	0.07 0.06	0.16 0.05	<0.05 0.05	0.02 0.020	<0.01 0.018	<0.001 0.010	<0.003 0.007	<0.003 0.005	<0.005 0.005	0.077 0.015	<0.005 0.005	0.017 0.02
Chloromethane	ng/l		<10	<10	<10	<10	<10	<10	<3	<3	<3	<30	<30	<10	<10	<10	<10
Chloride			<10	<10	<10	<10	<10	<10	<3	<3	<3	<30	<30	11	6	5	1.7
Chloroethane			<10	<10	<10	37	40	<10	<3	<3	6	<30	<30	20	7	86	48
Chloroethane			<10	<10	<10	<10	<10	<10	<3	<3	<3	<30	<30	<10	<10	<10	<10
Chloroethyl ether			<10	<10	<10	<10	<10	<10	<3	<3	<3	<30	<30	<10	<10	<10	<10
Chloroethyl			<10	<10	<10	<10	<10	<10	<3	<3	<3	<30	<30	<10	<10	<10	<10
Chlorobenzene			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<10	<10	<10	<10
Chlorobenzene			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<5	<5	<5	<5
Chlorobenzene			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	1	<5	1	0.97
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<5	<5	<5	<5
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<5	<5	<5	<5
1,1-Dichloroethane	guidance 50		130	170	150	1000	990	350	59	49	56	<30	130	100	72	300	230
1,2-Dichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	13	<30	<30				33
1,2-Dichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<5	<5	<5	<5
1,1,1-Trichloroethane	guidance 50		15	6.9	5.7	60	56	140	<3	<3	<3	<30	<30	0.2	<5	<5	1.6
1,1,1-Trichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	2	0.6	34	32
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<3	<3	<3	<30	<30	<5	<5	<5	<5

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farrwell Landfill

Location Jschwa

Exact Sampling Point 10D

County Cattaraugus

Water	Unit	9/30/88	1/12/89	1/14/89	4/3/89	4/2/89	6/28/89		12/6/89	3/5/90	6/1/90	9/10/90	9/10/90	12/12/90	3/18/91	6/19/91	9/17/91
trichloroethylene	ug/l	7.0	<5	<5	<5	<5	11		<3	<3	<3	<30	<30	2	0.6	6	6.8
benzene	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	3	2	2	1.5
1,1,2-trichloroethane	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
1,1,2,2-tetra	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
chloroethane	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
toluene	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
trichloro-fluoromethane	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	0.1	<5	<5	<5
appearance					clear		clear		clear	clear				0.78	<5	1	<5
total tetra	ug/l	1488.74	1490.79		1493.18		1492.78		1490.93	1491.46	1491.01	1490.46		1491.32	1491.42	1489.32	1489.82
chloromethylene	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
1,1,2,2-tetra	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
chloroethane	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
total chloro	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
benzene	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
1,3-dichloro	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
benzene	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
1,4-dichloro	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
benzene	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
total chloro	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
fluoromethane	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<30	<30	<5	<5	<5	<5
acetone	ug/l	<5	<5	<5	<5	<5	<5		<3	<3	<3	<100	<100	ND	48	<10	<10
acrylonitrile	ug/l	<5	<5	<5	<5	<5	<5		<10	<10		<100	<100	<10	<10	<10	<10
acrylonitrile	ug/l	<5	<5	<5	<5	<5	<5		<100	<100		<1000	<1000	<100	<100	<100	<100
nitrile	ug/l	<5	<5	<5	<5	<5	<5		<100	<100	<100	<1000	<1000	<100	<100	<100	<100

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farrwell Landfill

Location Ischua

Exact Sampling Point 115

County Cattaraugus

Parameter	Unit	Standard	7/30/88	1/16/89	4/6/89	4/28/89	12/6/89	3/3/90	6/5/90	7/11/90	12/3/90	3/14/91	6/21/91	9/17/91
pH	S.U.	6.5-8.5		6.66	6.53	6.24		6.74	6.95		6.68	6.47	7.0	
Specific Conductance	umhos/cm			941	1430	1493		1670	800		1500	1400	1315	
Temp	°C			10.0	10.0	22		7.6	11		9.0	8.0	14.0	
TCC	mg/l			29.1	4.2	44		4.5	2.0		5.0	10		
COD	mg/l			22.8	<1.0	7.4		<10	<10		19.4	38		
Iron	mg/l	.3		376	1.58	0.98		0.28	0.08		0.90	50		
Manganese	mg/l	.3		0.51	0.1	0.1		0.38	0.04		0.068	0.04		
Nitrate	mg/l			0.12	2.28	2.0		0.7	<0.5		0.41	1.2		
Sulfate	mg/l	250		115	100	83		67	78		80.4	72		
Total Hardness	mg/l			525	570	645		620	680		902	740		
Ammonia	mg/l			800	680	590		680	620		1060	876		
Chlorine	mg/l			5.00	5.0	5.0		5.0	5.0		24	20		
Fluoride	mg/l			0.006	0.020	0.020		0.01	0.003		0.01	0.005		
Cadmium	mg/l	0.05		0.004	0.005	0.005		0.001	0.001		0.015	0.001		
Mercury	mg/l			0.005	0.005	0.001		0.005	0.005		0.005	0.005		
Lead	mg/l	0.01		0.04	0.005	0.005		0.005	0.005		0.005	0.005		
Copper	mg/l	10		0.50	0.50	0.50		0.05	0.05		0.05	0.05		
Zinc	mg/l	0.025		0.20	0.20	0.2		0.02	0.02		0.1	0.06		
Barium	mg/l	0.02		0.001	0.001	0.001		0.001	0.001		0.005	0.005		
Nickel	mg/l			0.30	0.30	0.30		0.03	0.03		0.1	0.06		
Selenium	mg/l	0.2		0.005	0.005	0.005		0.001	0.001		0.005	0.005		

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New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Tschu

Exact Sampling Point 115

County Cattaraugus

Parameter	Unit	Standard	9/30/88	1/12/89	4/6/89	6/28/89	12/6/89	3/5/90	4/5/90	7/11/90	12/13/90	3/18/91				
trichloroethylene	ug/l			<5	<5	<5		<3	<3		2	1				
benzene				<5	<5	<5		<3	<3		<5	<5				
cis-1,3-dichloropropene				<5	<5	<5		<3	<3		<5	<5				
1,1,2-trichloroethane				<5	<5	<5		<3	<3		<5	<5				
1,1-dichloroethene				<5	<5	<5		<3	<3		<5	<5				
bromofuran				<5	<5	<5		<3	<3		<5	<5				
g... etc	Distillate Residual		1492.97	1496.35	1497.03			1496.35	1496.43		1496.79	1491.49	1490.99			
1,1,2-tetrachloroethane	ug/l		turbid orange	turbid brown	turbid		clear					<5				
1,1,2,2-tetrachloroethane				<5	<5	<5		<3	<3		<5					
toluene				<5	<5	<5		<3	<3		<5	<5				
trichloroethylene				<5				<3	<3		<5	<5				
acetone								<10	25		0.72	<5				
acrolein								<100	<100		<100	<100				
acrylonitrile								<100	<100		<100	<100				
2-butanone								<10	<10		<10	<10				
carbon disulfide								<10	<10		<5	<5				
1,4-dichlorobenzene								<10	<10		N/D	<5				
ethanol								<10,000	<10,000		N/D	<600				
ethyl methylate								<10	<10		N/D	<5				
2-hexanone								<10	<10		<10	<10				

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Fairwell Landfill

Location Jochus

Exact Sampling Point 115

County Cattaraugus

Parameter	Unit	Std mg/L						3/5/90	6/5/90	7/11/90	12/13/90	3/18/91	6/21/91				
iodomethane	ug/l																
4-methyl-2-pentanone								<10	<10		ND	<5					
styrene		.005						<10	<10		<10	<10					
1,2,3 trichloropropane		.005						<3	<3		<5	<5					
vinyl acetate								<3	<3		ND	<5					
tetrachloroethylene		.005						<10	<10		<10	<10					
1,2 dichlorobenzene								<3	<3		<5	<5					
1,3 dichlorobenzene		.005						<3	<3			<5					
1,4 dichlorobenzene								<3	<3			<5					
o-xylenes		.005						<3	<3			<5					
dichloro-difluoromethane		.005						<3	<3		<5	<5					
dibromomethane		.005						<3	<3		ND	<10					
turbidity	50g							<10	<10		ND	<5					
magnesium	mg/l								>100		>200	200+	200+				
TKN	mg/l										67 49						
1,2 dichloroethylenetet	ug/l										0.62	7.1					
											0.8	<5					

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Foxwell Landfill

Location Jishua

Exact Sampling Point 11D

County Cattaraugus

Element	Unit	Standard	7/30/88	1/12/89	4/6/89	6/28/89	12/6/89	3/5/90	6/4/90	9/10/90	12/13/90	12/13/90	3/18/91	6/20/91	9/17/91
Silver	mg/l	605	<0.10 0.10	<0.10 0.10	<0.001 0.001	<0.001 0.001	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.005 0.005	<0.005 0.005	<0.005 0.005	<0.006 0.006	<0.01 0.01
Barium	mg/l		<1.00 1.00	<1.00 1.00	<1.00 1.00	<0.005 0.005	<0.01 0.01	<0.01 0.01	<0.001 0.001	<0.003 0.003	<0.005 0.005	<0.005 0.005	<0.005 0.005	<0.005 0.005	<0.005 0.005
Zinc	mg/l	5	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.05 0.05	<0.005 0.005	<0.005 0.005	<0.005 0.005	<0.005 0.005	<0.005 0.005	<0.005 0.005	<0.005 0.005	<0.005 0.005
Chloromethane	mg/l		<10	<10	<10	<10	<15	<15	<3	<30	<10	<20	<10	<10	<10
Acrylonitrile			<10	<10	<10	<10	<15	<15	<3	<30	9	7	4	7	4.1
Chloroethane			34	30	200	21	75	35	130	90	170	140	69	140	81
Acetone			<10	<10	<10	<10	<15	<15	<3	<30	<10	<20	<10	<10	<10
1,1-Dichloroethane			<10	<10	<10	<10	<15	<15	<3	<30	<10	<10	<10	<10	<10
1,1-Dichloroethene			<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
1,2-Dichloroethane			<5	<5	<5	<5	<15	<15	<3	<30	2	2	2	2	1.6
1,2-Dichloroethene			<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
1,1,1-Trichloroethane			<5	<5	<5	<5	<15	<15	4	<30	4	4	2	2	2.5
1,1,2-Trichloroethane			170	290	960	220	250	310	180	450	290	260	200	240	200
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<15	<15	<3	<30					23
1,1,1,1-Tetrachloroethane			<5	<5	<5	<5	<15	<15	<3	30	0.5	0.4	<5	<5	<5
1,1,1-Trichloroethene			<5	<5	<5	<5	<15	<15	<3	<30	2	<10	0.5	<5	1.1
1,1,2,2-Tetrachloroethane			110	72	300	170	100	120	43	95	110	93	55	76	68
1,1,2,2-Tetrachloroethene			<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
1,1,1,2-Tetrachloroethane			<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
1,1,1,2-Tetrachloroethene			<5	<5	<5	<5	<15	<15	<3	<30	1	0.9	<5	<5	0.54
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farewell Landfill

Location J. Schwa

Exact Sampling Point 11D

County Cattaraugus

Parameter	Unit	standing	7/30/88	1/12/89	4/6/89	6/28/89	12/6/89	3/5/90	6/4/90	9/10/90	12/13/90	12/13/90	3/18/91	6/20/91	9/17/91
trichloroethylene	ug/l		130	48	85	43	70	50	60	46	66	58	26	43	39
benzene	ug/l		<5	<5	<5	<5	<15	<15	<3	<30	2	2	1	0.7	0.9
cis-1,3-dichloropropene	ug/l		<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
1,1,2-trichloroethane	ug/l		<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
trans-1,2-dichloroethane	ug/l		<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
1,1,1-trichloroethane	ug/l		<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
total	ug/l		1489.38	1489.39	1491.68	1491.86	1489.61	1490.17	1489.81	1488.22	1489.92		1485.82	1488.17	1486.47
1,1,2,2-tetrachloroethane	ug/l		<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
1,1,1,2-tetrachloroethane	ug/l		<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
toluene	ug/l		<5	<5	<5	<5	<15	<15	<3	<30	<5	<10	<5	<5	<5
trichlorofluoromethane	ug/l		<5	<5	<5	<5	<15	<15	<3	<30	4.7	4.5	<5	3	1.8
appearance			clear	clear	clear	clear	clear	clear							
1,2-dichlorobenzene	ug/l						<15	<15	<3	<30	2	1	0.2	0.9	0.54
1,3-dichlorobenzene	ug/l						<15	<15	<3	<30			<5	<5	<5
1,4-dichlorobenzene	ug/l						<15	<15	<3	<30			<5	<5	<5
total xylenes	ug/l						<15	<15	<3	<30			<5	<5	<5
1,1,1-trichloro-2,2,2-fluoroethane	ug/l						<15	<15	<3	<30	<5	<10	<5	<5	<5
1,1,1,1-tetrafluoroethane	ug/l						<15	<15	<3	<30	det.	ND	<10	<10	<10
acetone	ug/l						<50	<50	<10	<100	<10	<20	<5	<10	<10
acrylonitrile	ug/l						<500	<500	<100	<1000	<100	<100	<100	<100	<100
nitrobenzene	ug/l						<500	<500	<100	<1000	<100	<100	<100	<100	<100

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Jsi-hua

Exact Sampling Point 131D

County Cattaraugus

Element	Unit	Standard	9/30/88	1/12/89	1/6/89	6/28/89	12/6/89	3/5/90	6/5/90	9/15/90	6/5/90	12/13/90	3/20/91	6/21/91	9/17/91
Silver	ng/l	105	<10.10	<20.10	<10.001	<20.001	<10.05	<20.05	<10.05	<20.05	<10.05	<20.05	<10.05	<20.05	<10.01
Thallium	ng/l		<1.00	<1.00	<1.00	<1.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	ng/l	5	<10.05	<10.05	<10.05	<10.05	<0.005	<0.007	<0.017	<0.009	<0.005	<0.014	<0.016	<0.016	<0.019
Chloromethane	ng/l		<10	<10	<10	<10	<3	<3	<3	<3	<3	<10	<10	<10	<10
Vinyl chloride			<10	<10	<10	<10	<3	<3	<3	8	<3	4	4	2	1.5
Chloroethane			<10	<10	<10	<10	<3	<3	<3	<3	<3	7	5	6	3.9
Bromoethane			<10	<10	<10	<10	<3	<3	<3	<3	<3	<10	<10	<10	<10
1,1-Dichloroethane			<10	<10	<10	<10	<3	<3	<3	<3	<3	<10	<10	<10	<10
1,1-Dichloroethane	guidance 50		<5	<5	<5	<5	<3	<3	<3	<3	<3	<10	<10	<10	<10
trans-1,2-Dichloroethane			<5	<5	<5	<5	5	7	<3	13	11	11	13	10	8.8
1,1-Dichloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<3	<10	<10	<10	26
1,1-Dichloroethane	guidance 50		<5	<5	<5	<5	<3	<3	<3	<3	<3	<10	<10	<10	<10
1,1,1-Trichloroethane			<5	<5	<5	<5	6	<3	<3	5	<3	7	8	5	5
Carbon tetrachloride			<5	<5	<5	<5	<3	<3	<3	<3	<3	<10	<10	<10	<10
Bromoethane			<5	<5	<5	<5	<3	<3	<3	<3	<3	<10	<10	<10	<10
1,2-Dichloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<3	<10	<10	<10	<10
1,1,1-Trichloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<3	<10	<10	<10	<10
1,1,2-Trichloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<3	<10	<10	<10	<10

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farewell Landfill

Location Deane

Exact Sampling Point 13D

County Cattaraugus

Parameter	Unit	Standard	9/30/88	1/12/89	4/6/89	6/28/89	12/6/89	3/5/90	4/5/90	6/10/90	6/5/90	12/13/90	3/20/91	6/21/91	9/17/91
trichloroethylene	ug/l		<5	<5	<5	<5	<3	<3	<3	<3	<3	<5	<5	<5	<5
benzene			<5	<5	<5	<5	<3	<3	<3	<3	<3	<5	<5	<5	<5
cis-1,3-dichloropropene			<5	<5	<5	<5	<3	<3	<3	<3	<3	<5	<5	<5	<5
1,1,2-trichloroethane			<5	<5	<5	<5	<3	9	<3	<3	<3	<5	<5	<5	<5
dibromochloromethane			<5	<5	<5	<5	<3	<3	<3	<3	<3	<5	<5	<5	<5
bromoforn			<5	<5	<5	<5	<3	<3	<3	<3	<3	<5	<5	<5	<5
total PCBs	ug/l														
total PCBs (ppb)	ug/l		1487.78	1489.75	1492.00	1492.94	1490.35	1491.62	1491.25	1487.98		1490.85	1491.65	1483.65	1486.45
1,1,2,2-tetra chloroethylene	ug/l		<5	<5	<5	<5	<3	<3	<3	<3	<3	<5	<5	<5	<5
1,1,2,2-tetra chloroethane			<5	<5	<5	<5	<3	<3	<3	<3	<3	<5	<5	<5	<5
toluene			<5	<5	<5	<5	<3	<3	<3	<3	<3	<5	<5	<5	<5
trichloro-fluoroethane			<5	<5			<3	<3	<3	<3	5	4.5	6	5	5.0
appearance				clear	clear	clear	clear	clear							
1,2-dichloroethylene							<3	<3	<3	<3	<3	<5	<5	<5	<5
1,2-dichlorobenzene							<3	<3	<3	<3	<3	<5	<5	<5	<5
1,3-dichlorobenzene							<3	<3	<3	<3	<3	<5	<5	<5	<5
1,4-dichlorobenzene							<3	<3	<3	<3	<3	<5	<5	<5	<5
total xylenes							<3	<3	<3	<3	<3	<5	<5	<5	<5
dichloro-difluoroethane							<3	<3	<3	<10	<3	<10	<10	<10	<10
acetone							<10	<10	<10	<10		<10	<10	<10	<10
acrolein							<100	<100	<100	<100		<100	<100	<100	<100
acrylonitrile							<100	<100	<100	<100		<100	<100	<100	<100

note: stats based on Sept 25, 1990
 Div of water TOG
 qc guidance value per
 above

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Ischua

Exact Sampling Point 145

County Cattaraugus

Parameter	Unit	std	3/19/91	6/21/91	9/17/91
pH	SU	6.5-8.5	6.79	6.65	7.4
specific conductance	umhos/cm		1400	1325	1283
temp	°C		7.0	11.0	10
TOC	mg/L		40	6.0	5.5
COI	mg/L		5.5	67	22
iron	mg/L	.3	0.34 0.004	0.23 0.004	0.01 0.054
manganese	mg/L	.3	0.6 0.07	0.28 0.34	0.3 0.38
ammonia	mg/L	2	0.39	0.22	0.34
sulfate	mg/L	250	18	19	31
det. alkalinity	mg/L		600	564	598
det. hardness	mg/L		780	802	662
aluminum	mg/L		76 0.005	107 0.005	31 0.005
antimony	mg/L	.039	0.005 0.005	0.005 0.005	0.005 0.005
arsenic	mg/L	.025	0.034 0.005	0.091 0.005	0.021 0.005
beryllium	mg/L	.039	0.005 0.005	0.005 0.005	0.005 0.005
cadmium	mg/L	.01	0.064 0.005	0.005 0.005	0.009 0.005
chromium	mg/L	.05	0.1 0.01	0.15 0.01	0.044 0.01
copper	mg/L	.2	0.22 0.005	0.28 0.005	0.1 0.01
lead	mg/L	.025	0.19 0.003	0.28 0.003	0.074 0.003
mercury	mg/L	.002	0.001 0.0004	0.0004 0.0004	0.0004 0.0004
nickel	mg/L		0.32 0.03	0.63 0.02	0.18 0.02
seletemium	mg/L	.010	0.005 0.005	0.005 0.005	0.005 0.005

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farnell Landfill

Location Jschua

Exact Sampling Point 145

County Cattaraugus

Parameter	Unit	Std mg/l	3/19/91	6/21/91	9/17/91
silver	mg/l	.65	0.009 20.005	0.005 20.005	0.059 20.01
thallium	mg/l	0.015	0.005 20.005	0.005 20.005	0.005 20.005
zinc	mg/l		0.49 20.01	0.6 20.005	0.25 20.01
chloromethane	ug/l		<10	<10	<10
vinyl chloride		0.2	3	2	1.5
chloroethane		0.65	78	140	62
bromo methane		0.65	<10	<10	<10
2-chloroethyl vinyl ether			<10	<10	<10
ethyl benzene		0.65	45	45	45
methylene chloride		0.65	45	0.9	0.7
chlorobenzene		0.65	45	45	45
1,1-dichloroethylene		0.65	0.6	45	45
1,1-dichloroethane		0.65	120	190	98
trans-1,2-dichloroethylene		0.65			5.7
chloroform		.1	45	45	45
1,2-dichloroethane		0.65	0.3	45	45
1,1,1-tri-chloroethane		0.65	43	30	17
carbon tetrachloride		0.65	45	45	45
bromo-dichloromethane		0.59	45	45	45
1,2-dichloropropane		0.65	45	45	45
trans-1,3-dichloro- propene		0.65	45	45	45

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farewell Bendfill

Location Tischua

Exact Sampling Point 145

County Cattaraugus

Parameter	Unit	5/20/91	3/19/91	6/21/91	9/17/91
trichloroethylene	ug/l	ND	7	9	5.8
benzene		ND	1	1	1.0
cis-1,3-dichloropropene		<5	<5	<5	
1,1,2-trichloroethane		<5	<5	<5	
1,1-dibromochloroethane		<5	<5	<5	
bromoform		<5	<5	<5	
gw el.		1491.22	1488.02	1486.72	
appearance					
1,1,2,2-tetrachloroethane	ug/l	<5	<5	<5	
toluene		<5	<5	<5	
trichlorofluoromethane		6	4	1.4	
acetone		<10	<10	<10	
acrylonitrile		<100	<100	<100	
1,1-dichloroethane		<100	<100	<100	
2-butanone		<10	<10		
carbon disulfide		<5	<5	<5	
trans-1,2-dichloroethane		<5	<5	<5	
ethanol		<600	<600	<600	
ethyl methacrylate		<5	<5	<5	
Phenol		<10	<10	<10	

note: stats based on Sept 25, 1990
 Div of Water T&G
 gc = guidance value per
 above

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Ischua

Exact Sampling Point 145

County Cattaraugus

Parameter	Unit	std	3/1/90	3/19/91	6/19/91	7/19/91
pH	SU	6.5-8.5	7.1	6.71	6.51	7.3
specific conductance	umhos/cm		1415	1200	1524	1275
temp	°C		8	7.0	11.0	10
TOC	mg/L		4.7	1.9	2.3	4.3
COD	mg/L		6.0	14	27	43
iron	mg/L	.3	6.0 0.04	9.9 0.142	6.0 0.041	6.5 0.03
manganese	mg/L	.3	2.2 0.74	3.2 0.39	3.1 0.67	3.4 0.91
ammonia	mg/L	.2	0.25	0.48	0.28	0.31
sulfate	mg/L	250	31	34	23	38
total alkalinity	mg/L		490	557	585	670
total hardness	mg/L		980	1560	1440	971
aluminum	mg/L		2.2 0.18	4.2 0.05	24 0.05	28 0.05
antimony	mg/L	.039	<0.01 0.005	0.01 0.005	0.005 0.005	0.007 0.005
arsenic	mg/L	.025	<0.005 0.005	0.019 0.005	0.009 0.005	0.017 0.005
beryllium	mg/L	.039	<0.005 0.005	0.005 0.005	0.005 0.005	0.005 0.005
cadmium	mg/L	.01	0.008 0.005	0.043 0.005	0.005 0.005	0.008 0.005
chromium	mg/L	.05	<0.01 0.01	0.055 0.01	0.04 0.005	0.031 0.01
copper	mg/L	.2	0.039 0.01	0.24 0.005	0.13 0.007	0.16 0.01
lead	mg/L	.025	<0.005 0.005	0.23 0.003	0.084 0.003	0.14 0.003
mercury	mg/L	.002	<0.0004 0.004	<0.0004 0.004	0.0005 0.004	<0.0004 0.004
nickel	mg/L		<0.04 0.04	0.19 0.03	0.084 0.02	0.1 0.02
selenium	mg/L	.010	<0.005 0.005	<0.005 0.005	<0.005 0.005	<0.005 0.005

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Tischua

Exact Sampling Point 14J

County Cattaraugus

Parameter	Unit	Std mg/l	3/1/90	3/14/91	6/19/91	9/19/91
Trichloro-ethylene	ug/l	.005	9.4	6	9	7.0
benzene		ND	<4.4	0.5	1	1.1
cis-1,3 di-chloropropene		.005	<5.0	<5	<5	<5
1,1,2 trichloro-ethylene		.005	<5.0	<5	<5	<5
1,1,1 trichloro-ethylene		.005	<3.1	<5	<5	<5
bromoform		.05	<4.7	<5	<5	<5
gw el.			1492.69	1492.49	1488.29	1486.59
appearance						
1,1,2,2-tetra-chloroethylene	ug/l					
1,1,2,2-tetra-chloroethane		.005	<6.9	<5	<5	<5
toluene		.005	<6.0	<5	<5	<5
trichloro-fluoromethane		.005		9	5	1.3
acetone				<10	<10	<10
acetaldehyde		.005	<400	<100	<100	<100
acrylonitrile		.005	<400	<100	<100	<100
2 butanone				<10	<10	
carbon disulfide				<5	<5	<5
trans-1,2-dichloro-2-butene				<5	<5	<5
ethanol				<600	<600	<600
ethyl methacrylate				<5	<5	<5
Phenol				<10	<10	<10

note: stats based on Sept 25, 1990
 Div of water T&G
 90 guidance value per
 above

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Ischua

Exact Sampling Point 155

County Cattaraugus

Parameter	Unit	std	9/16/90	3/19/91	6/19/91	6/19/91 blind avg	9/18/91	9/18/91 blind avg
pH	SU	6.5-8.5	8.24	7.84	7.50		7.5	
specific conductance	umhos/cm		250	360	371		345	
temp	°C		16	8.0	10.0		10	
TOC	mg/L			2.7	2.7	<1.0	<1.0	<1.0
CO1D	mg/L			17	26	27	13	21
iron	mg/L	3		(47) 20.04	88.003	83.003	14.015	(42) 20.08
magnesium	mg/L	3		(2.9) 0.14	5.4	5.3	0.4	3.5
ammonia	mg/L	2		0.26	0.31	0.3	0.16	0.15
sulfate	mg/L	250		10	8.0	8.0	86	84
total alkalinity	mg/L			172	143	141	212	210
total hardness	mg/L			380	449	496	386	390
aluminum	mg/L			22	37	35	0.8	23
antimony	mg/L	0.039		0.005	0.005	0.005	0.005	0.005
arsenic	mg/L	0.025		0.005	0.005	0.005	0.005	0.005
bromine	mg/L	0.39		0.005	0.005	0.005	0.005	0.005
cadmium	mg/L	0.1		0.0192	0.005	0.005	0.01	0.015
chromium	mg/L	0.5		0.033	0.01	0.05	0.01	0.052
copper	mg/L	12		0.14	0.26	0.24	0.01	0.14
lead	mg/L	0.25		0.084	0.18	0.16	0.01	0.070
mercury	mg/L	0.02		0.0007	0.0004	0.0008	0.0004	0.0004
nichel	mg/L			0.076	0.13	0.14	0.04	0.05
seleternium	mg/L	0.010		0.005	0.005	0.005	0.005	0.005

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Fairview Landfill

Location Duchess

Exact Sampling Point 155

County Cattaraugus

Unit	Std	2/12/90	3/19/91	6/19/91	6/19/91	9/18/91	9/11/91													
10 Methane	ug/l	<10	<5	<5	<5	<5														
4 methyl-2 pentane		<10	<10	<10	<10	<10														
styrene	ug/l	<10	<5	<5	<5	<5														
1,2,3 trichloro propane	ug/l	<10	<5	<5	<5	<5														
vinyl acetate		<10	<10	<10	<10	<10														
tetrachloro- ethylene	ug/l	<3	<5	<5	<5	<5														
1,2 dichloro benzene		<3	<5	<5	<5	<5														
1,3 dichloro benzene	ug/l	<3	<5	<5	<5	<5														
1,4 dichloro benzene		<3	<5	<5	<5	<5														
th xylenes	ug/l	<3	<5	<5	<5	<5														
dichlorodi- chloromethane	ug/l	<10	<10	<10	<10	<10														
1,1,1 trichloro methane	ug/l	<10	<5	<5	<5	<5														
tinbatly	MTU	52g	7100	200 ⁺	200 ⁺		7200													
1,2 dichloro ethylene (td)			1	<5	0.5															
TKN	mg/l		1.2	1.2	1.4	1.2	1.2													
MEK						<10														

same

note: stats based on Sept 25, 1990
 Div of Water TQG
 qc guidance value per
 statute

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Ischua

Exact Sampling Point 165

County Cattaraugus

Parameter	Unit	std	9/12/90	3/14/91	6/14/91	9/16/91
pH	SU	6.5-8.5	7.87	7.70	7.52	8.1
specific conductance	umhos/cm		305	380	515	400
temp	°C		16	8.0	10.0	10
TOC	mg/L			<1.0	1.3	<1.0
COD	mg/L			6.2	5.2	30
iron	mg/L	.3	2.0	2.4	2.03	1.9
manganese	mg/L	.3	0.22	0.14	0.058	0.1
ammonia	mg/L	.2	0.34	0.27		0.15
sulfate	mg/L	250	14	17		87
total alkalinity	mg/L		217	180		194
total hardness	mg/L		220	294		295
aluminum	mg/L		2.2	1.7		9.5
antimony	mg/L	.039	<0.005	<0.005	<0.005	<0.005
arsenic	mg/L	.025	<0.005	<0.005	<0.005	<0.005
barium	mg/L	.039	<0.005	<0.005	<0.005	<0.005
cadmium	mg/L	.01	0.007	0.005		0.006
chromium	mg/L	.05	<0.01	<0.005		0.011
copper	mg/L	.12	0.023	0.009		0.034
lead	mg/L	.025	0.01	0.006		0.01
mercury	mg/L	.002	<0.0004	<0.0004		<0.0004
nichel	mg/L		<0.05	<0.02		0.06
selenium	mg/L	.010	<0.005	<0.005		<0.005

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Jschua

Exact Sampling Point 165

County Cattaraugus

Parameter	Unit	Std mg/l	9/12/90	3/19/91	6/19/91	9/18/91
silver	mg/l	.65		0.005 0.005	0.006 0.006	0.01 0.01
thallium	mg/l	0.019		0.005 0.005	0.005 0.005	0.005 0.005
zinc	mg/l			0.04 0.01	0.024 0.005	0.17 0.026
chloromethane	ug/l		30	<10	<10	<10
vinyl chloride		0.02	<30	<10	2	1.2
chloroethane		0.05	<30	36	47	34
bromo methane		0.05	<30	<10	<10	<10
1,1-dichloro-ethyl ether			<30	<10	<10	<10
ethyl benzene		0.05	<30	<5	<5	<5
methylene chloride		0.05	<30	<5	1	0.8
ortho-xylene		0.05	<30	<5	<5	<5
1,1-dichloro-ethylene		0.05	<30	3	3	2.8
1,1-dichloro-ethylene		0.05	370	230	260	180
trans-1,2-dibromoethylene		0.05	<30			36
chloroform		.1	<30	<5	<5	<5
1,2-dichloro ethane		0.05	<30	2	<5	1.3
1,1-tri-chloroethane		0.05	80	90	73	66
carbon tetrachloride		0.05	<30	<5	<5	<5
1,1-dichloro ethane		0.059	<30	<5	<5	<5
1,2-dichloro propane		0.05	<30	<5	<5	<5
trans-1,3-dichloro-propene		0.05	<30	<5	<5	<5

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farewell Bendfill

Location Tschina

Exact Sampling Point 16S

County Cattaraugus

Parameter	Unit	Std mg/l	9/12/90	3/ / 91	6/19/91	9/18/91
trichloro-ethylene	ug/l	.005	<30	10	8	7.2
benzene		ND	<30	1	1	1.5
cis-1,3 di-chloro-pentene		.005	<30	<5	<5	<5
1,1,2 trichloro-ethylene		.005	<30	<5	<5	<5
dibromochloro-methane		.059	<30	<5	<5	<5
bromoforn		.05	<30	<5	<5	<5
gw el.			1489.59	1489.55	1488.75	1488.35
appearance						
1,1,2,2-tetra-chloroethylene	ug/l	.005	<30	<5	<5	<5
toluene		.005	<30	<5	<5	<5
trichloro-fluoromethane		.005	<30	<5	2	1.8
acetone			<100	<10	<10	<10
acrolein		.005	<1000	<100	<100	<100
acrylo-nitrile		.005	<1000	<100	<100	<100
2 butanone			<100	<10	<10	
carbon disulfide			<100	<5	<5	<5
trans,1,2 dichloro-2-butane			<100	<5	trans <5	<5
ethanol			<10,000	<600	<600	<600
ethyl methacrylate			<100	<5	<5	<5
2 hexanone			<100	<10	<10	<10

note: stats based on Sept 25, 1990
Div of Water T&G

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area

Farwell Landfill

Location

Ischua

Exact Sampling Point

175

County

Cattaraugus

Parameter	Unit	Std	3/20/91	6/14/91	9/19/91
pH	SU	6.5-8.5	7.34	7.01	7.5
specific conductance	umhos/cm		540	525	489
temp	°C		7.0	10.0	10
TOC	mg/L		<1.0	1.1	<1.0
CO _D	mg/L		14	19	9.6
iron	mg/L	.3	47 2.004	59 0.03	57 0.03
manganese	mg/L	.3	1.9 0.065	2.0 0.047	0.93 0.032
ammonia	mg/L	.2	0.12	0.3	0.3
sulfate	mg/L	250	19	17	34
total alkalinity	mg/L		277	225	309
total hardness	mg/L		854	788	474
aluminum	mg/L		16 0.05	23 0.05	2.7 0.05
antimony	mg/L	.039	0.065 0.005	0.005 0.005	0.005 0.005
arsenic	mg/L	.025	0.023 0.005	0.018 0.005	0.005 0.005
barium	mg/L	.039	0.005 0.005	0.005 0.005	0.005 0.005
cadmium	mg/L	.01	0.016 0.005	0.006 0.005	0.007 0.005
chromium	mg/L	.05	0.058 0.01	0.039 0.005	0.011 0.01
copper	mg/L	.12	0.091 0.005	0.1 0.006	0.048 0.01
lead	mg/L	.025	0.079 0.003	0.017 0.003	0.024 0.003
mercury	mg/L	.002	0.0006 0.0004	0.0004 0.0004	0.0004 0.0004
nichel	mg/L		0.045 0.03	0.06 0.02	0.02 0.02
seleminum	mg/L	.010	0.005 0.005	0.005 0.005	0.005 0.005

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Isbena

Exact Sampling Point 175

County Cattaraugus

Parameter	Unit	Std mg/L	3/20/91	6/19/91	9/19/91
silver	mg/L	.25	0.006 0.005	0.006 0.005	0.011 0.01
thallium	mg/L	0.019	0.005 0.005	0.005 0.005	0.005 0.005
zinc	mg/L		0.24 0.045	0.28 0.01	0.091 0.01
chloromethane	ug/L		<10	<10	<10
methyl chloride		.062	<10	<10	<10
chloroethane		.065	<10	<10	<10
1,1-dichloroethane		.065	<10	<10	<10
1,2-dichloroethane			<10	<10	<10
1,1,1-trichloroethane		.065	<5	<5	<5
1,1,2-trichloroethane		.065	<5	<5	<5
1,1,1,2-tetrachloroethane		.065	10	6	4.4
1,1,2,2-tetrachloroethane		.065			<5
1,1,1-trichloroethane		.1	<5	<5	<5
1,1,2-trichloroethane		.065	<5	<5	<5
1,1,1,2-tetrachloroethane		.065	<5	<5	<5
1,1,2,2-tetrachloroethane		.065	<5	<5	<5
1,1,1,2,2-pentachloroethane		.065	<5	<5	<5
1,1,2,2,2-pentachloroethane		.065	<5	<5	<5
1,1,1,2,2-pentachloroethane		.065	<5	<5	<5
propene			<5	<5	<5

note: stats based on Sept 25, 1990
 Div of Water TDC
 95% confidence value per
 table 2

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Ischua

Exact Sampling Point 17J

County Cattaraugus

Parameter	Unit	std	3/1/90	3/20/91	6/19/91	9/19/91
pH	SU	6.5-8.5	8.1	7.84	7.56	7.4
specific conductance	umhos/cm		350	250	297	272
temp	°C		7	8.0	10.0	10
TOC	mg/L		<1	<1.0	<1.0	<1.0
CO ₂	mg/L		<5	15	20	9.9
iron	mg/L	.3	0.38 0.03	0.5 0.04	0.4 0.03	0.1 0.19
manganese	mg/L	.3	0.12 0.097	0.1 0.12	0.11 0.11	0.59 0.13
ammonia	mg/L	2	<0.1	0.11	0.31	0.37
sulfate	mg/L	250	7.1	12	7.0	22
det. alkalinity	mg/L		120	150	120	121
det. hardness	mg/L		110	164	195	2.4
aluminum	mg/L		0.35 0.18	0.2 0.05	0.18 0.05	0.16 0.04
antimony	mg/L	.039	0.01 0.01	0.005 0.005	0.005 0.005	0.005 0.005
arsenic	mg/L	.025	0.012 0.0068	0.01 0.019	0.015 0.014	0.015 0.005
beryllium	mg/L	.039	0.005 0.005	0.005 0.005	0.005 0.005	0.005 0.005
cadmium	mg/L	.01	0.006 0.005	0.005 0.005	0.005 0.005	0.005 0.005
chromium	mg/L	.05	0.010 0.01	0.01 0.01	0.02 0.005	0.01 0.01
copper	mg/L	.2	0.019 0.011	0.01 0.01	0.032 0.007	0.015 0.01
lead	mg/L	.25	0.005 0.004	0.005 0.005	0.005 0.003	0.02 0.003
mercury	mg/L	.002	0.0004 0.0004	0.0004 0.0004	0.0004 0.0004	0.0004 0.0004
nichel	mg/L		0.04 0.04	0.03 0.03	0.05 0.02	0.02 0.02
seleminum	mg/L	.010	0.005 0.005	0.005 0.005	0.005 0.005	0.005 0.005

New York State Department of Environmental Conservation.

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farwell Landfill

Location Tschua

Exact Sampling Point 175

County Cattaraugus

Parameter	Unit	Std mg/l	3/1/90	3/20/91	6/19/91	9/19/91
silver	mg/l	.65	10.005 20.005	20.005 20.005	20.006 20.006	20.01 20.01
barium	mg/l	100.15	20.005 20.005	20.005 20.005	20.005 20.005	20.005 20.005
zinc	mg/l		0.036 0.027	0.13 0.066	0.13 20.005	0.08 0.013
nitromethane	ug/l		<10	<10	<10	<10
methyl chloride		100.2	<5	<10	<10	<10
nitroethane		100.5	<10	<10	<10	<10
bromo methane		100.5	<10	<10	<10	<10
1,2 dichloroethyl ether			<10	<10	<10	<10
ethyl benzene		100.5	<7.2	<5	<5	<5
1,2 dichloro ethane		100.5	<2.8	<5	<5	<5
1,4 dioxane		100.5	<6.0	<5	<5	<5
1,1 dichloro ethylene		100.5	<2.8	<5	<5	<5
1,1 dichloro ethane		100.5	<4.7	<5	<5	4.7
trans-1,2 dichloro ethylene		100.5	<1.6			<5
1,1,1 trichloro ethane		100.5	<1.6	<5	<5	<5
1,2 dichloro ethane		100.5	<2.8	<5	<5	<5
1,1,1 tri-chloro ethane		100.5	<3.8	<5	<5	<5
carbon tetrachloride		100.5	<11	<5	<5	<5
1,1,1,2-tetrahydro-2H-pyridine		100.5	<2.2	<5	<5	<5
1,2 dichloro propane		100.5	<6.0	<5	<5	<5
trans-1,3 dioxane		100.5	<5.0	<5	<5	<5
propene						

New York State Department of Environmental Conservation

DIVISION OF SOLID WASTE MANAGEMENT

Refuse Disposal Area Farewell Bendfill

Location Bchina

Exact Sampling Point 175

County Cattaraugus

Parameter	Unit	std mg/l	3/1/90	3/20/91	6/19/91	9/16/91
trichloroethylene	ug/l	.005	<1.9	<5	<5	<5
benzene		ND	<4.4	<5	<5	<5
cis-1,3-dichloropropene		.005	<5.0	<5	<5	<5
1,1,2-trichloroethene		.005	<5.0	<5	<5	<5
dibromochloromethane		.05	<3.1	<5	<5	<5
bromoform	↓	.05	<4.7	<5	<5	<5
gw el.			1491.79	1490.45	1490.45	1490.15
appearance						
1,1,2,2-tetrachloroethylene	ug/l					<5
1,1,2,2-tetrachloroethane		.005	<6.9	<5	<5	<5
toluene		.005	<6.0	<5	<5	<5
trichlorofluoromethane		.005		<5	<5	<5
acetone				<10	<10	<10
acrylonitrile		.005	<400	<100	<100	<100
acrylonitrile		.005	<400	<100	<100	<100
2-butanone				<10	<10	
carbon disulfide				<5	<5	<5
trans,1-dichloro-2-butane				<5	<5	<5
ethanol				<600	<600	<600
ethyl methacrylate				<5	<5	<5
2-hexene	↓			<10	<10	<10

