OHIO DEPARTMENT OF HEALTH
WATER QUALITY DATA

Date Received: 10-4-73
Date Reported: 10/29/73
Laboratory:
Laboratory Number: ~~1446~~ 1449
Analyst: RA

Station: Testa Brothers
Station Code:
County: Cuyahoga
Collected by: Frase

Identification of Sample: Well Water
Sample Code: 0

Date of grab sample (or last date of composite sample): Year 73 Month 10 Day 02 Hour 09 Minute 00
Composite Type: S

Sample Types: ☐ Industrial ☐ Sewage ☐ Water Supply ☒ ~~Stream~~

Beginning Date of Composite Sample: Year Month Day C Hour Minute
Frequency

Analysis to be Reported to: ☐ CO ☐ SEDO ☒ ~~NE~~DO ☐ SWDO ☐ NWDO

REASON FOR TAKING SAMPLE – ADDITIONAL INFORMATION – REMARKS BY ANALYST:

Possible Landfill leachate Problem
Heavy Metals Preserved with "AA"

US EPA RECORDS CENTER REGION 5
505706

☐ Regular (or indicate by checking boxes)

☐ Flow		CFS	
☐ Water Temperature, Field		C°	
☐ pH, Field		S. U.	
☐ Dissolved Oxygen, Field		mg/l	
☐ Hydrogen Sulfide, Field		mg/l	
☐ Chlorine Free Avl, Field		mg/l	
☐ Chlorine Tot Resd, Field		mg/l	
☐ Color		Pt-Co Units	
☐ Odor		T. N.	
☐ Turbidity		J. U.	
☐ Conductivity at 25 C°		Micromhos	
☐ pH, Lab		S. U.	
☐ pH, $CaCO_3$ Stability		S. U.	
☐ Alkalinity Total, $CaCO_3$		mg/l.	
☐ Alkalinity Phth, $CaCO_3$		mg/l	
☐ Alkalinity, $CaCO_3$ Stabl		mg/l	
☐ Carbon Dioxide, CO_2		mg/l	
☐ Acidity Total, $CaCO_3$		mg/l	
☐ Acidity M.O., $CaCO_3$		mg/l	
☐ Hardness Total, $CaCO_3$		mg/l	
☒ Residue, Total	368	mg/l	
☐ Residue, Total Volatile		mg/l	
☐ Residue, Total Nflt (Sus)		mg/l	
☐ Residue, Vol Nflt		mg/l	
☒ Residue, Total Flt (Diss)	366	mg/l	
☐ Residue, Vol Flt		mg/l	
☐ Residue, Settlable		mg/l	
☐ Nitrogen Organic, N		mg/l	
☒ Nitrogen Ammonia, N	0	mg/l	
☐ Nitrite, N		mg/l	
☒ Nitrate, N	0.1	mg/l	
☒ Phosphorus Total, P	0.0	mg/l	
☐ Phosphorus Soluble, P		mg/l	
☐ Phosphate Total, PO_4		mg/l	
☐ Phosphate Ortho, PO_4		mg/l	
☒ Sulfate, SO_4	15	mg/l	
☐ Sulfite, SO_3		mg/l	
☐ Sulfide, S		mg/l	
☒ Chloride, Cl	13	mg/l	

☒ Fluoride Diss, F	0.34	mg/l
☒ Calcium Total, Ca		mg/l
☒ Magnesium Total, Mg	1.	mg/l
☒ Potassium Total, K	1.9	mg/l
☒ Sodium Total, Na	136.	mg/l
☒ Aluminum Total, Al	0.	ug/l
☐ Antimony Total, Sb		ug/l
☐ Arsenic Total, As		ug/l
☐ Barium Total, Ba		ug/l
☐ Berylium Total, Be		ug/l
☐ Bismuth Total, Bi		ug/l
☐ Boron Total, B		ug/l
☐ Cadmium Total, Cd		ug/l
☐ Chromium Total, Cr		ug/l
☐ Chromium Hex, Cr		ug/l
☐ Cobalt Total, Co		ug/l
☐ Copper Total, Cu		ug/l
☒ Iron Total, Fe		ug/l
☐ Iron Diss, Fe		ug/l
☐ Iron Ferrous, Fe		ug/l
☐ Lead Total, Pb		ug/l
☐ Lithium Total, Li		ug/l
☒ Manganese Total, Mn		ug/l
☐ Mercury Total, Hg		ug/l
☐ Molybdenum Total, Mo		ug/l
☐ Nickel Total, Ni		ug/l
☐ Selenium Total, Se		ug/l
☐ Silver Total, Ag		ug/l
☐ Strontium Total, Sr		ug/l
☐ Thallium Total, Tl		ug/l
☐ Tin Total, Sn		ug/l
☐ Titanium Total, Ti		ug/l
☐ Tungsten Total, T		ug/l
☐ Vanadium Total, V		ug/l
☐ Zinc Total, Zn		ug/l
☐ Zirconium Total, Zr		ug/l
☐ BOD, 5-Day		mg/l
☐ COD		mg/l
☐ Chlorine Demand, 15 min		mg/l
☐ Carbon Total Org, C		mg/l

☐ Cyanide, CN		mg/l
☐ MBAS		mg/l
☐ Oil-Grease, Total		mg/l
☐ Phenols		ug/l
☐ Tannin Lignin		mg/l
☐ Aldrin, Whl Smpl		ug/l
☐ DDD, Whl Smpl		ug/l
☐ DDE, Whl Smpl		ug/l
☐ DDT, Whl Smpl		ug/l
☐ Dieldrin, Whl Smpl		ug/l
☐ Chlordane, Whl Smpl		ug/l
☐ Endrin, Whl Smpl		ug/l
☐ Heptachlor, Whl Smpl		ug/l
☐ Hchlr-Epoxide, Whl Smpl		ug/l
☐ Lindane, Whl Smpl		ug/l
☐ Methoxychlor, Whl Smpl		ug/l
☐ Malathion, Whl Smpl		ug/l
☐ Parathion, Whl Smpl		ug/l
☐ Methyl Parathn, Whl Smpl		ug/l
☐ Beta, Total		pc/l
☐ Beta, Diss		pc/l
☐ Beta, Suspd		pc/l
☐ Alpha, Total		pc/l
☐ Alpha, Diss		pc/l
☐ Alpha, Suspd		pc/l
☐ Radium 226, Total		pc/l
☐ Strontium 90, Total		pc/l
☐ Coliform Total, MF		#/100ml
☐ Coliform Total MPN, Conf		#/100ml
☐ Fecal Coli Total, MF		#/100ml
☐ Fecal Strep Total, MF		#/100ml
☐ Plate Count, Total		#/ml
☐ Algae, Total		#/ml
☐		
☐		
☐		
☐		
☐		
☐		

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4956.10

Surface Water

OHIO DEPARTMENT OF HEALTH
WATER QUALITY DATA

Date Received: 10-4-73
Date Reported: 10/29/73
Laboratory:
Laboratory Number: ~~1446~~ 1450
Analyst: RJA

Station: Testa Brothers
Station Code:
County: Cuyahoga
Collected by: Frase

Identification of Sample: Down Stream (Tinkers Creek)
Sample Code: 0
Date of grab sample (or last date of composite sample): Year 73 Month 10 Day 02 Hour 09 Minute 00
Composite Type: S

Sample Types: ☐ Industrial ☐ Sewage ☐ Water Supply ☒ Stream
Beginning Date of Composite Sample: Year Month Day Hour Minute
Frequency

Analysis to be Reported to: ☐ CO ☐ SEDO ☒ NEDO ☐ SWDO ☐ NWDO

REASON FOR TAKING SAMPLE – ADDITIONAL INFORMATION – REMARKS BY ANALYST:

Possible Landfill leachate Problem
Heavy Metals preserved with "A"

☐ Regular (or indicate by checking boxes)									☒ Fluoride Diss, F					0	4	2	mg/l	☐ Cyanide, CN						mg/l
☐ Flow								CFS	☒ Calcium Total, Ca								mg/l	☐ MBAS						mg/l
☐ Water Temperature, Field								C°	☒ Magnesium Total, Mg					1	0		mg/l	☐ Oil-Grease, Total						mg/l
☐ pH, Field								S. U.	☒ Potassium Total, K						6	0	mg/l	☐ Phenols						ug/l
☐ Dissolved Oxygen, Field								mg/l	☒ Sodium Total, Na					2	7		mg/l	☐ Tannin Lignin						mg/l
☐ Hydrogen Sulfide, Field								mg/l	☒ Aluminum Total, Al				2	4	0	0	ug/l	☐ Aldrin, Whl Smpl						ug/l
☐ Chlorine Free Avl, Field								mg/l	☐ Antimony Total, Sb								ug/l	☐ DDD, Whl Smpl						ug/l
☐ Chlorine Tot Resd, Field								mg/l	☐ Arsenic Total, As								ug/l	☐ DDE, Whl Smpl						ug/l
☐ Color								Pt-Co Units	☐ Barium Total, Ba								ug/l	☐ DDT, Whl Smpl						ug/l
☐ Odor								T. N.	☐ Berylium Total, Be								ug/l	☐ Dieldrin, Whl Smpl						ug/l
☐ Turbidity								J. U.	☐ Bismuth Total, Bi								ug/l	☐ Chlordane, Whl Smpl						ug/l
☐ Conductivity at 25 C°								Micromhos	☐ Boron Total, B								ug/l	☐ Endrin, Whl Smpl						ug/l
☐ pH, Lab								S. U.	☐ Cadmium Total, Cd								ug/l	☐ Heptachlor, Whl Smpl						ug/l
☐ pH, $CaCO_3$ Stability								S. U.	☐ Chromium Total, Cr								ug/l	☐ Hchlr-Epoxide, Whl Smpl						ug/l
☐ Alkalinity Total, $CaCO_3$								mg/l.	☐ Chromium Hex, Cr								ug/l	☐ Lindane, Whl Smpl						ug/l
☐ Alkalinity Phth, $CaCO_3$								mg/l	☐ Cobalt Total, Co								ug/l	☐ Methoxychlor, Whl Smpl						ug/l
☐ Alkalinity, $CaCO_3$ Stabl								mg/l	☐ Copper Total, Cu								ug/l	☐ Malathion, Whl Smpl						ug/l
☐ Carbon Dioxide, CO_2								mg/l	☒ Iron Total, Fe								ug/l	☐ Parathion, Whl Smpl						ug/l
☐ Acidity Total, $CaCO_3$								mg/l	☐ Iron Diss, Fe								ug/l	☐ Methyl Parathn, Whl Smpl						ug/l
☐ Acidity M.O., $CaCO_3$								mg/l	☐ Iron Ferrous, Fe								ug/l	☐ Beta, Total						pc/l
☐ Hardness Total, $CaCO_3$								mg/l	☐ Lead Total, Pb								ug/l	☐ Beta, Diss						pc/l
☒ Residue, Total				3	9	5		mg/l	☐ Lithium Total, Li								ug/l	☐ Beta, Suspd						pc/l
☐ Residue, Total Volatile								mg/l	☒ Manganese Total, Mn								ug/l	☐ Alpha, Total						pc/l
☐ Residue, Total Nflt (Sus)								mg/l	☐ Mercury Total, Hg								ug/l	☐ Alpha, Diss						pc/l
☐ Residue, Vol Nflt								mg/l	☐ Molybdenum Total, Mo								ug/l	☐ Alpha, Suspd						pc/l
☒ Residue, Total Flt (Diss)				3	3	6		mg/l	☐ Nickel Total, Ni								ug/l	☐ Radium 226, Total						pc/l
☐ Residue, Vol Flt								mg/l	☐ Selenium Total, Se								ug/l	☐ Strontium 90, Total						pc/l
☐ Residue, Settlable								mg/l	☐ Silver Total, Ag								ug/l	☐ Coliform Total, MF						#/100ml
☐ Nitrogen Organic, N								mg/l	☐ Strontium Total, Sr								ug/l	☐ Coliform Total MPN, Conf						#/100ml
☒ Nitrogen Ammonia, N				0				mg/l	☐ Thallium Total, Tl								ug/l	☐ Fecal Coli Total, MF						#/100ml
☐ Nitrite, N								mg/l	☐ Tin Total, Sn								ug/l	☐ Fecal Strep Total, MF						#/100ml
☒ Nitrate, N				1	1			mg/l	☐ Titanium Total, Ti								ug/l	☐ Plate Count, Total						#/ml
☒ Phosphorus Total, P				0	7			mg/l	☐ Tungsten Total, T								ug/l	☐ Algae, Total						#/ml
☐ Phosphorus Soluble, P								mg/l	☐ Vanadium Total, V								ug/l	☐						
☐ Phosphate Total, PO_4								mg/l	☐ Zinc Total, Zn								ug/l	☐						
☐ Phosphate Ortho, PO_4								mg/l	☐ Zirconium Total, Zr								ug/l							
☒ Sulfate, SO_4				7	8			mg/l	☐ BOD, 5-Day								mg/l							
☐ Sulfite, SO_3								mg/l	☐ COD								mg/l							
☐ Sulfide, S								mg/l	☐ Chlorine Demand, 15 min								mg/l							
Chloride, Cl				4	8			mg/l	☐ Carbon Total Org. C								mg/l							

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Surface Water

OHIO DEPARTMENT OF HEALTH
WATER QUALITY DATA

Date Received: 10-4-73
Date Reported: 10/29/73
Laboratory:
Laboratory Number: 1451
Analyst: RA

Station: Testa Brothers
Station Code:
County: Cuyahoga
Collected by: Frase

Identification of Sample: Upstream (Tinkers Creek)
Sample Code: C

Date of grab sample (or last date of composite sample): Year 73 Month 10 Day 03 Hour 09 Minute 00
Composite Type: 5

Sample Types: ☐ Industrial ☐ Sewage ☐ Water Supply ☒ Stream

Beginning Date of Composite Sample: Year Month Day C Hour Minute
Frequency

Analysis to be Reported to: ☐ CO ☐ SEDO ☒ NEDO ☐ SWDO ☐ NWDO

REASON FOR TAKING SAMPLE – ADDITIONAL INFORMATION – REMARKS BY ANALYST:

Possible Land-fill leachate Problem
Heavy Metals Preserved with "AA"

☐ Regular (or indicate by checking boxes)		☒ Fluoride Diss, F	0.40	mg/l	☐ Cyanide, CN	mg/l
☐ Flow	CFS	☐ Calcium Total, Ca		mg/l	☐ MBAS	mg/l
☐ Water Temperature, Field	C°	☒ Magnesium Total, Mg	10.	mg/l	☐ Oil-Grease, Total	mg/l
☐ pH, Field	S. U.	☒ Potassium Total, K	6.0	mg/l	☐ Phenols	ug/l
☐ Dissolved Oxygen, Field	mg/l	☒ Sodium Total, Na	27.	mg/l	☐ Tannin Lignin	mg/l
☐ Hydrogen Sulfide, Field	mg/l	☒ Aluminum Total, Al	2300.	ug/l	☐ Aldrin, Whl Smpl	ug/l
☐ Chlorine Free Avl, Field	mg/l	☐ Antimony Total, Sb		ug/l	☐ DDD, Whl Smpl	ug/l
☐ Chlorine Tot Resd, Field	mg/l	☐ Arsenic Total, As		ug/l	☐ DDE, Whl Smpl	ug/l
☐ Color	Pt-Co Units	☐ Barium Total, Ba		ug/l	☐ DDT, Whl Smpl	ug/l
☐ Odor	T. N.	☐ Berylium Total, Be		ug/l	☐ Dieldrin, Whl Smpl	ug/l
☐ Turbidity	J. U.	☐ Bismuth Total, Bi		ug/l	☐ Chlordane, Whl Smpl	ug/l
☐ Conductivity at 25 C°	Micromhos	☐ Boron Total, B		ug/l	☐ Endrin, Whl Smpl	ug/l
☐ pH, Lab	S. U.	☐ Cadmium Total, Cd		ug/l	☐ Heptachlor, Whl Smpl	ug/l
☐ pH, $CaCO_3$ Stability	S. U.	☐ Chromium Total, Cr		ug/l	☐ Hchlr-Epoxide, Whl Smpl	ug/l
☐ Alkalinity Total, $CaCO_3$	mg/l.	☐ Chromium Hex, Cr		ug/l	☐ Lindane, Whl Smpl	ug/l
☐ Alkalinity Phth, $CaCO_3$	mg/l	☐ Cobalt Total, Co		ug/l	☐ Methoxychlor, Whl Smpl	ug/l
☐ Alkalinity, $CaCO_3$ Stabl	mg/l	☐ Copper Total, Cu		ug/l	☐ Malathion, Whl Smpl	ug/l
☐ Carbon Dioxide, CO_2	mg/l	☒ Iron Total, Fe		ug/l	☐ Parathion, Whl Smpl	ug/l
☐ Acidity Total, $CaCO_3$	mg/l	☐ Iron Diss, Fe		ug/l	☐ Methyl Parathn, Whl Smpl	ug/l
☐ Acidity M.O., $CaCO_3$	mg/l	☐ Iron Ferrous, Fe		ug/l	☐ Beta, Total	pc/l
☐ Hardness Total, $CaCO_3$	mg/l	☐ Lead Total, Pb		ug/l	☐ Beta, Diss	pc/l
☒ Residue, Total	400. mg/l	☐ Lithium Total, Li		ug/l	☐ Beta, Suspd	pc/l
☐ Residue, Total Volatile	mg/l	☒ Manganese Total, Mn		ug/l	☐ Alpha, Total	pc/l
☐ Residue, Total Nflt (Sus)	mg/l	☐ Mercury Total, Hg		ug/l	☐ Alpha, Diss	pc/l
☐ Residue, Vol Nflt	mg/l	☐ Molybdenum Total, Mo		ug/l	☐ Alpha, Suspd	pc/l
☒ Residue, Total Flt (Diss)	337. mg/l	☐ Nickel Total, Ni		ug/l	☐ Radium 226, Total	pc/l
☐ Residue, Vol Flt	mg/l	☐ Selenium Total, Se		ug/l	☐ Strontium 90, Total	pc/l
☐ Residue, Settlable	mg/l	☐ Silver Total, Ag		ug/l	☐ Coliform Total, MF	#/100ml
☐ Nitrogen Organic, N	mg/l	☐ Strontium Total, Sr		ug/l	☐ Coliform Total MPN, Conf	#/100ml
☒ Nitrogen Ammonia, N	0. mg/l	☐ Thallium Total, Tl		ug/l	☐ Fecal Coli Total, MF	#/100ml
☐ Nitrite, N	mg/l	☐ Tin Total, Sn		ug/l	☐ Fecal Strep Total, MF	#/100ml
☒ Nitrate, N	1.1 mg/l	☐ Titanium Total, Ti		ug/l	☐ Plate Count, Total	#/ml
☒ Phosphorus Total, P	0.5 mg/l	☐ Tungsten Total, T		ug/l	☐ Algae, Total	#/ml
☐ Phosphorus Soluble, P	mg/l	☐ Vanadium Total, V		ug/l	☐	
☐ Phosphate Total, PO_4	mg/l	☐ Zinc Total, Zn		ug/l	☐	
☐ Phosphate Ortho, PO_4	mg/l	☐ Zirconium Total, Zr		ug/l	☐	
☒ Sulfate, SO_4	80. mg/l	☐ BOD, 5-Day		mg/l	☐	
☐ Sulfite, SO_3	mg/l	☐ COD		mg/l	☐	
☐ Sulfide, S	mg/l	☐ Chlorine Demand, 15 min		mg/l	☐	
☒ Chloride, Cl	49. mg/l	☐ Carbon Total Org, C		mg/l	☐	

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4956.10

Surface Water

LSON LABORATORIES, INC
170 NORTH HIGH STREET
COLUMBUS OHIO 43215
PHONE - 614-228-4385

E. F. HAUSERMAN CO.
5711 GRANT AVENUE
CLEVELAND, OHIO 44105
ATTN. - PURCHASING DEPT.

LAB NO. 1065
JOB 92-5350- 2
DATE MAY 6, 81

LOCATION COLLECTED - HAUSERMAN-CLEVE. PAINT SLLDGE

PRESERVATIVES JSED -

DATE COLLECTED - - -

TIME COLLECTED - - - 0000

FIELD PH - - - - - -

DATE RECEIVED - - - APR. 6, 81

TEST	VOL. (ML)	DILTN FACT.	RESULT	UNIT
PERCENT SOLIDS			78.7	PERCENT
CORROSIVITY			8.5	PH
IGNITABILITY			33 91	C/F
ARSENIC			<0.005	MG/L
BARIUM			<.1	MG/L
CADMIUM			<.1	MG/L
CHROMIUM			<.1	MG/L
LEAD			.2	MG/L
MERCURY			<0.005	MG/L
SELENIUM			<0.005	MG/L
SILVER			<.1	MG/L

E.P. TOXICITY

PROJECT MANAGER Thomas A. Flippo
(THOMAS A. FLIPPO)

STILSON Laboratories, Inc.
170 NORTH HIGH ST., COLUMBUS, OHIO 43215 614/228-4385

Table 1.-Maximum Concentration of Contaminants for Characteristic of EP Toxicity-

EPA hazardous waste number	Contaminant	Maximum Concentration (milligrams per liter)
D004	Arsenic	5.0
D005	Barium	100.0
D006	Cadmium	1.0
D007	Chromium	5.0
D008	Lead	5.0
D009	Mercury	0.2
D010	Selenium	1.0
D011	Silver	5.0
D012	Endrin (1,2,3,4,10,10-hexachloro-1,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo,endo-5,8-dimethano naphthalene).	0.02
D013	Lindane (1,2,3,4,5,6-hexachlorocychlohexane, gamma isomer).	0.4
D014	Methoxychlor (1,1,1-Trichloro-2,2-bis{p-methoxyphenyl}ethane).	10.0
D015	Toxaphene ($C_{10}H_{10}Cl_8$,Technical Chlorinated camphene,67-69 percent chlorine).	0.5
D016	2,4-D, (2,4-Dichlorophenoxyacetic acid).	10.0
D017	2,4,5-TP Silvex (2,4,5-Trichlorophenoxypropionic acid).	1.0

Excerpt from FEDERAL REGISTER / Vol.45, No.98 / Monday, May 19,1980 / Rules and Regulations / Page 33122

Stilson Laboratories, Inc.
Columbus and Cleveland, Ohio

ADDRESS REPLY TO: 170 N. HIGH ST., COLUMBUS, OHIO 43215
PHONE: 614/228-4365

E.P. TOXICITY
40 CFR 261.24

Client: E. F. Hauserman Co.
6551 Grant Avenue
Cleveland, Ohio 44105
Attn: J. McMannis

Lab Number 8424
Job Number 92-5350-01
Date Reported 12/05/80

Location Collected Hauserman paint sludge
Date Collected 11/11/80
Date Received 11/13/80

EPA Hazardous Waste No.	Contaminant	Result milligrams/liter	Maximum Concentration milligrams/liter
D004	Arsenic	< .0005	5.0
D005	Barium	< 1.0	100.0
D006	Cadmium	< .1	1.0
D007	Chromium	< .1	5.0
D008	Lead	0.8	5.0
D009	Mercury	< .0005	0.2
D010	Selenium	< .0005	1.0
D011	Silver	< .1	5.0
D012	Endrin		0.02
D013	Lindane		0.4
D014	Methoxychlor		10.0
D015	Toxaphene		0.5
D016	2,4-D		10.0
D017	2,4,5-TP Silvex		1.0

Inland Rec. file

STOCK BROTHERS CORPORATION
GREAT LAKES ENVIRONMENTAL SERVICES
T.C.I. INDUSTRIAL SERVICES

May 17, 1982

O.L.P.C.-N.E.D.O.-O.E.P.A.
2110 E. Aurora Road
Twinsburg, Ohio 44087

ATTENTION: Mr. Jack Bergan

Dear Mr. Bergan:

Enclosed is a copy of the analysis from the NASA Research Center.

Please advise of disposal sites that would be able to handle this material. I have been in contact with Inland Reclamation and Norton Construction Company. Both companies state that they can handle this type of material.

Any other disposal sites you can recommend would be appreciated.

Sincerely,

Dennis A. Heine
Vice-President
Stock Brothers Corporation

DAH:dr
encl.

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MAY 20 1982
OHIO ENVIRONMENTAL PROTECTION AGENCY
N. E. D. O.

22077 MOUND ROAD • P.O. BOX 1208 • WARREN, MICHIGAN 48090-1208 • TELEPHONE (313) 758-0400

PERCENTAGE (%) SOLIDS

BASIN NUMBER 1	BASIN NUMBER 2
69.34%	69.79%

EP - TOXICITY (PPM)

	BASIN #1	BASIN #2
Chromium	0.21	0.18
Silver	0.01	0.01
Cadmium	0.01	0.01

EP - TOXICITY (CON'D)

	BASIN #1	BASIN #2
Lead	< 0.01	< 0.01
Barium	4.0	5.0
Selenium	< 0.1	< 0.1
Arsenic	0.6	0.4
Mercury	0.0006	0.0002

I. Attachment A entitled "Compliance with Prevention and Abatement of Air and Water Pollution" shall be completed and submitted with the Contractor's bid.

J. All OSHA regulations shall be followed and will be enforced by the Government.

RECEIVED
MAY 20 1982
OHIO ENVIRONMENTAL PROTECTION AGENCY
N. E. D. O.

HERRON TESTING LABORATORIES
CONSULTATION AND ANALYSIS
965 E. Scott St.
CLEVELAND, OHIO
(216) 524-1450

RECEIVED
BESCAST, INC.
1985

Bescast
4600 E. 355th St.
Willoughby, OH 44094

Attn: George Brown

1
Date Sampled: Nov. 4, 1985
Purchase Order No. 26425
Shipper No.
File No. 8510641
Date Received Oct. 18, 1985

SAMPLE DESCRIPTION: One (1) Quart of Sludge

RECEIVED
JAN 23 1986
OHIO EPA-N.E.D.O

ANALYSIS

EP Toxicity Test Procedure: Federal Register/Vol. 45, No. 98/Monday May 19, 1980/Rules and Regulations.

Arsenic	<0.01 mg/l
Barium	<1.0 mg/l
Cadmium	<0.05 mg/l
Chromium	0.42 mg/l
Lead	<0.20 mg/l
Mercury	<0.01 mg/l
Selenium	<0.01 mg/l
Silver	<0.05 mg/l

Respectfully submitted,

HERRON TESTING LABORATORIES, INC.

Rosemary J. Fletcher
Manager, Analytical Services

The foregoing is expressly limited to findings based upon material, information, and/or specifications furnished by client and excludes any expressed or implied warranties as to the fitness of the material and/or process to subjected to examination and analysis for any particular purpose.

This report is considered to be the confidential property of our client. Reproduction and distribution in whole or in part for advertising purposes without written permission is strictly prohibited.

AD083326074

REGION V
HAZARDOUS MA PIAL ENFORCEMENT AND RESPONSE(OGRAM

SITE NAME INLAND LANDFILL
SITE ADDRESS 6705 RICHMOND ROAD, GLENWILLOW OHIO 44139
HOW/DATE IDENTIFIED ECKHARDT REPORT
SITE DESCRIPTION SANITARY LANDFILL

WASTE RELATED INFORMATION SOLIDS & SLUDGES
HAZARD IDENTIFICATION POTENTIAL CONTAMINATION OF SURFACE WATER

DATE	COMMENT
5-9-80	THIS SITE IS A ~~LICENSED~~ LICENSED LANDFILL SINCE 1970. OF 98 ACRES. THE SITE ACCEPTS UNKNOWN AMOUNTS OF SEWAGE SLUDGE, CHEMICALS AND 62,000 CYS/MO OF MUNICIPAL, COMMERCIAL & INDUSTRIAL WASTES. THE STATE TOOK ENFORCEMENT AGAINST A PREVIOUS OWNER FOR NOT MEETING TERMS OF PERMIT (ACCEPTING SLUDGE). THE SITE AT THIS TIME IS IN COMPLIANCE. THE STATE ALSO INDICATES AN ON SITE INSPECTION (VERY LOW PRIORITY) IS NEEDED.

EPA ID# OHD 083 326 074

SITE NAME INLAND LANDFILL

NORLING FACTOR 10 (>15 PTS.=HIGH MITRE POTENTIAL)

WASTE TYPE

PESTICIDES	(5)
HEAVY METALS	(5)
PCB's	(5)
ORGANICS	(4)
SOLVENTS	(4)
INORGANICS	(3)
ACIDS	(3)
BASES	(3)
MIXED MUNI-WASTES	(2)
UNKNOWN	(1)

WASTE QUANTITY
(1 ton = ½ cu.yd.=13.5 cu.ft.=4 drums = 220 gals.)

TONS	CU.YDS.	CU. FT.	DRUMS	GALLONS	PTS.
>875	>437	>11,799	>3500	>192,500	(5)
875	437	11,799	3500	192,500	
251	126	3,402	1001	55,055	(4)
250	125	3,375	1000	55,000	
163	82	2,214	651	35,805	(3)
162	81	2,187	650	35,750	
76	38	1,026	301	16,555	(2)
75	37	999	300	16,500	
21	11	297	81	4,455	(1)
<20	<10	<270	<80	<4,400	(0)

FACILITY TYPE

PILES	(5)
DRUMS BELOW GROUND	(4)
DRUMS ABOVE GROUND	(3)
SURFACE IMPOUNDMENTS	(3)
TANKS	(3)
LANDFILLS	(2)
LAND TREATMENT	(2)
UNDERGROUND INJECTION	(1)

POPULATION

10,000 or more	(5)
3,000 - 9,999	(4)
1,000 - 2,999	(3)
101 - 999	(2)
1 - 100	(1)

(526)

___ NOT A HAZARDOUS WASTE SITE

___ INFORMATION MISSING

COMMENTS:

REVIEWER: M Elam / CM.

ALUMINUM SMELTING AND REFINING CO., INC.

SILVER STAR BRAND ALUMINUM ALLOYS

5463 DUNHAM ROAD
MAPLE HEIGHTS 37·OHIO

PHONE-CLEVELAND
AREA CODE 216 662-3100

ANALYSIS OF WASTE DUST FROM DROSS PLANT

PHYSICAL SEPARATION:

MESH SIZE	% OF TOTAL
-12 + 20	5
-20 + 50	49
-50 + 100	21
-100 + 200	14
-200	11
% Water Soluble	18
% Water Insoluble	82

COMPOSITION OF WATER SOLUBLES:

Majority - NaCL + KCL
Trace - AIN

COMPOSITION OF WATER INSOLUBLES

Majority - Al_2O_3, $NaCa_2Mg_5Sl_7ALO_{22}F_3$ and other inorganic oxides

Trace - Aluminum metal, various Silicon compounds
$Al_2O_3.6H_2O$, MgF_2, K_2 (Na_2) SlF_6

GASES GENERATED:

Trace amounts of NH_3 - regulated in aqueous solutions by $_ph$ control

Note: Most fluorides form insoluble residues in water

ARTMENT OF HEALTH

WATER QUALITY DATA

-73	Laboratory	Laboratory Number	9023
5/23/73		Analyst	RH

	Station Code	County	Cuyahoga
...num Smelting & Refining Co		Collected by	Dennis Lee

...ation of Sample	Sample Code	Date of grab sample (or last date of composite sample)	Year 73, Month 93, Day 27, Hour , Minute	Composite T...
Dust Waste				

Types: ☒ Industrial ☐ Sewage ☐ Water Supply ☐ Stream

Beginning Date of Composite Sample: Year , Month , Day , C, Hour , Minute — Frequency

...s to be Reported to: ☐ CO ☐ SEDO ☒ NEDO ☐ SWDO ☐ NWDO

...FOR TAKING SAMPLE – ADDITIONAL INFORMATION – REMARKS BY ANALYST: Run a leachate test suggested as follows: Add 400 g of material to 4 liters of distilled water. Stir well for 2 hours. Centrifuge the mixture and analyse. When the material is added to water it reacts to give off a gas. Identify the gas.

... (or indicate by checking boxes)	Value	Unit
		CFS
...Temperature, Field		C°
...ield		S.U.
...ved Oxygen, Field		mg/l
...n Sulfide, Field		mg/l
...ne Free Avl, Field		mg/l
...ne Tot Resd, Field		mg/l
		Pt-Co Units
		T.N.
...dity		J.U.
...tivity at 25 C°		Micromhos
...Lab	9.4	S.U.
...CaCO3 Stability		S.U.
...inity Total, $CaCO_3$		mg/l
...inity Phth, $CaCO_3$		mg/l
...inity, $CaCO_3$ Stabl		mg/l
...on Dioxide, CO_2		mg/l
...ity Total, $CaCO_3$		mg/l
...ity M.O., $CaCO_3$		mg/l
...ess Total, $CaCO_3$		mg/l
...due, Total		mg/l
...due, Total Volatile		mg/l
...due, Total Nflt (Sus)		mg/l
...due, Vol Nflt		mg/l
...due, Total Flt (Diss)	40333	mg/l
...due, Vol Flt		mg/l
...due, Settable		mg/l
...gen Organic, N		mg/l
...gen Ammonia, N		mg/l
...ite, N		mg/l
...ate, N		mg/l
...sphorus Total, P		mg/l
...sphorus Soluble, P		mg/l
...sphate Total, PO_4		mg/l
...sphate Ortho, PO_4		mg/l
...fate, SO_4	53	mg/l
...ite, SO_3		mg/l
...de, S		mg/l
...ride, Cl	22200	mg/l

Parameter	Value	Unit
☒ Fluoride Diss, F	8000	mg/l
☐ Calcium Total, Ca		mg/l
☒ Magnesium Total, Mg	160	mg/l
☒ Potassium Total, K	5800	mg/l
☒ Sodium Total, Na	5300	mg/l
☒ Aluminum Total, Al	72500	ug/l
☐ Antimony Total, Sb		ug/l
☐ Arsenic Total, As		ug/l
☐ Barium Total, Ba		ug/l
☐ Berylium Total, Be		ug/l
☐ Bismuth Total, Bi		ug/l
☐ Boron Total, B		ug/l
☒ Cadmium Total, Cd	30	ug/l
☐ Chromium Total, Cr		ug/l
☐ Chromium Hex, Cr		ug/l
☐ Cobalt Total, Co		ug/l
☐ Copper Total, Cu		ug/l
☐ Iron Total, Fe		ug/l
☐ Iron Diss, Fe		ug/l
☐ Iron Ferrous, Fe		ug/l
☐ Lead Total, Pb		ug/l
☐ Lithium Total, Li		ug/l
☐ Manganese Total, Mn		ug/l
☒ Mercury Total, Hg	0	ug/l
☐ Molybdenum Total, Mo		ug/l
☐ Nickel Total, Ni		ug/l
☐ Selenium Total, Se		ug/l
☐ Silver Total, Ag		ug/l
☐ Strontium Total, Sr		ug/l
☐ Thallium Total, Tl		ug/l
☒ Tin Total, Sn	0	ug/l
☐ Titanium Total, Ti		ug/l
☐ Tungsten Total, T		ug/l
☐ Vanadium Total, V		ug/l
☒ Zinc Total, Zn	0	ug/l
☐ Zirconium Total, Zr		ug/l
☐ BOD, 5-Day		mg/l
☐ COD		mg/l
☐ Chlorine Demand, 15 min		mg/l
☐ Carbon Total Org. C		mg/l

Parameter	Value	Unit
☒ Cyanide, CN	50	mg/l
☐ MBAS		mg/l
☐ Oil-Grease, Total		mg/l
☒ Phenols	30	ug/l
☐ Tannin Lignin		mg/l
☐ Aldrin, Whl Smpl		ug/l
☐ DDD, Whl Smpl		ug/l
☐ DDE, Whl Smpl		ug/l
☐ DDT, Whl Smpl		ug/l
☐ Dieldrin, Whl Smpl		ug/l
☐ Chlordane, Whl Smpl		ug/l
☐ Endrin, Whl Smpl		ug/l
☐ Heptachlor, Whl Smpl		ug/l
☐ Hchlr-Epoxide, Whl Smpl		ug/l
☐ Lindane, Whl Smpl		ug/l
☐ Methoxychlor, Whl Smpl		ug/l
☐ Malathion, Whl Smpl		ug/l
☐ Parathion, Whl Smpl		ug/l
☐ Methyl Parathn, Whl Smpl		ug/l
☐ Beta, Total		pc/l
☐ Beta, Diss		pc/l
☐ Beta, Suspd		pc/l
☐ Alpha, Total		pc/l
☐ Alpha, Diss		pc/l
☐ Alpha, Suspd		pc/l
☐ Radium 226, Total		pc/l
☐ Strontium 90, Total		pc/l
☐ Coliform Total, MF		#/100ml
☐ Coliform Total MPN, Conf		#/100ml
☐ Fecal Coli Total, MF		#/100ml
☐ Fecal Strep Total, MF		#/100ml
☐ Plate Count, Total		#/ml
☐ Algae, Total		#/ml
☐		mg/l
☐		mg/l
☐		mg/l
☐		mg/l
☐		mg/l
☐		mg/l
☐		mg/l

...OPY DISTRIBUTION: White – Central Office Yellow – District Office Pink – Owner Blue – Data Processing Green – Laboratory

HERRON TESTING LABORATORIES, INC.
CROBAUGH DIVISION
INORGANIC AND ORGANIC ANALYSIS
5405 E. SCHAAF RD.
CLEVELAND, OH 44131
(216) 524-1450

Purchase Order No.
File No. M 2722
June 18, 1979

Analysis of High Salt Dross Residue
Marked Hammer Mil -DR-1-1/19/79

Client Aluminum Smelting & Refining Attn: Mr. Don Lewis
5463 Dunham
Maple Heights, Ohio 44137
Received on 6-1-79

ANALYSIS

The following analysis were performed at your request to determine whether or not the submitted dross should be labeled "Hazardous" as proposed by the Environmental Protection Agency. Guidelines for "Hazardous" Material appear in the Federal Register; Monday, December 18, 1978, paragraph IV; pages 58946 through 59028.

Procedures used for the determinations are contained in the text of the above publication. The analysis was performed with special attention to pages 58956 and 58957, i.e., extraction of 100 grams of material with acetic acid followed by filtration and determination of the critical elements by atomic absorption methods.

	#1	#2	
Arsenic	<0.001	<0.001	.05
Mercury	0.0003	0.0002	.002
Selenium	<0.001	<0.001	.01
Lead	<0.05	<0.05	.05
Chromium	0.03	0.02	.05

ANALYSIS (con't)

	#1	#2	
Barium	0.3	0.3	1.0
Cadmium	0.02	0.02	.01
Silver	<0.02	<0.02	.05
Cl^-	819	868	

Results in mg/l

Respectfully submitted,

CROBAUGH DIVISION
HERRON TESTING LABORATORIES, INC.

Robert Haddad
Technical Administrator

lc

HERRON TESTING LABORATORIES INC.
CROBAUGH DIVISION
INORGANIC AND ORGANIC ANALYSIS
5405 E. SCHAAF RD.
CLEVELAND, OH 44131
(216) 524-1450

Purchase Order No.
File No. L 7121
March 15, 1979

alysis of High Salt dross residue
rked Hammer Mill -DR-1-1/19/79

ent Aluminum Smelting & Refining
5463 Dunham
Maple Heights, Ohio 44137 Attn: Mr. Don Lewis
ceived on 1-22-79

The following analysis were performed at your request to determine whether or not the submitted dross should be labeled "Hazardous"as proposed by the Environmental Protection Agency. Guidelines for "Hazardous" material appear in the Federal Register; Monday, December 18, 1978, paragraph IV; pages 58946 through 59028.

Procedures used for the determinations are contained in the text of the above publication. The analysis was performed with special attention to pages 58956 and 58957, i.e., extraction of 100 grams of material with acetic acid followed by filtration and determination of the critical elements by atomic absorption methods.

ANALYSIS

mg/l:	#1	#2
Arsenic	.001	.001
Barium	1.2	1.7
Cadmium	<0.05	<.05
Chromium	0.04	.08
Lead	0.06	.45
Selenium	<.01	<.01
Mercury	.0004	.0003

ANALYSIS (con't.)

	#1	#2
Silver	0.08	.01

Respectfully submitted,

CROBAUGH DIVISION
HERRON TESTING LABORATORIES, INC.

Robert Haddad
Technical Administrator

lc

25

UNISSCO, INC.

UNITED INDUSTRIAL SALES & SERVICES COMPANY

Fitmaar Pots.
531-8800
Ray Zaccagnini

3931 HAMILTON AVENUE
CLEVELAND, OHIO 44114
216/641-7355
391-1040

July 18, 1973

Testa Bros. Landfill
6700 Richmond Road
Glenwillow, Ohio 44139

Subject: Request permission to dump materialas follows:

Using an approximate weight of 40,000#, breakdown would be:

			%
Pottery clay - 39,887#		99.7175	99.718
Tetrasodiumbryo - 18# -	prcip phostate	.00045	.045
Soda ash - trace		.0015	.150
Red iron oxide - 60#		.00025	.025
Black copper oxide - 10#		.000625	.0625
Tin oxide - 25#			

Thank you,

UNISSCO SERVICES, INC.

James Crawford

James Crawford

JC/dr

Mr. Ray Zaccagnini told Mr. Crawford that there was no mercury, cadmium or lead compounds in this material.

Peter Brunson

Northeast District Off
Waste Management & Engineering
2110 East Aurora Road
Twinsburg, Ohio 44087

July 31, 1973

Re: Cuyahoga County
Testa Brothers, Incorporated
Solid Waste - Industrial

Mr. Peter Brunson
Testa Brothers, Incorporated
6705 Richmond Road
P. O. Box 46107
Bedford, Ohio 44146

Dear Mr. Brunson:

We are in receipt of your letter of July 20, 1973, regarding the disposal of solid waste from Fillmar Pots. Our personnel have reviewed the plans submitted and have advised as follows:

The disposal (in the Testa Brothers landfill in Oakwood) of approximately 7 tons per day of solid industrial waste of the following listed composition is satisfactory if you follow the sandwich type of fill practice of placing the industrial waste between compacted layers of domestic solid waste, as described in your letter of July 20, 1973.

Constituent	Approximate %
Pottery Clay	99.717
Tetrasodiumpyrophosphate	.045
Soda Ash	Trace
Red Iron Oxide	.150
Black Copper Oxide	.025
Tin Oxide	.063
Mercury	None
Cadmium	None
Lead	None

Thank you for your cooperation in this matter.

Very truly yours,

Douglas C. Hasbrouck
Assistant Division Chief

cc: Cuyahoga County Health Department
M. Heher, NEDO
D. E. Day, WM&E, Central Office

DCH/DS/jem

JIM MALKUS
439-3555

Description

P.O. [illegible] dated [illegible] is issued to cover trucking and removal of paint sludge from our dock in a 15 cu. yd. container located at the rear of 6551 Grant Ave.

This material is considered "Non-Hazardous".

P.O. is effective from 1/1/82 thru 12/31/82 Subject to cancellation by EFHCO. at any time for any cause.

NOTES:
Average pickup will be approx. 1650 Gallons.....
Rental of 15 cu. yd. container .....
Transportation charges.....

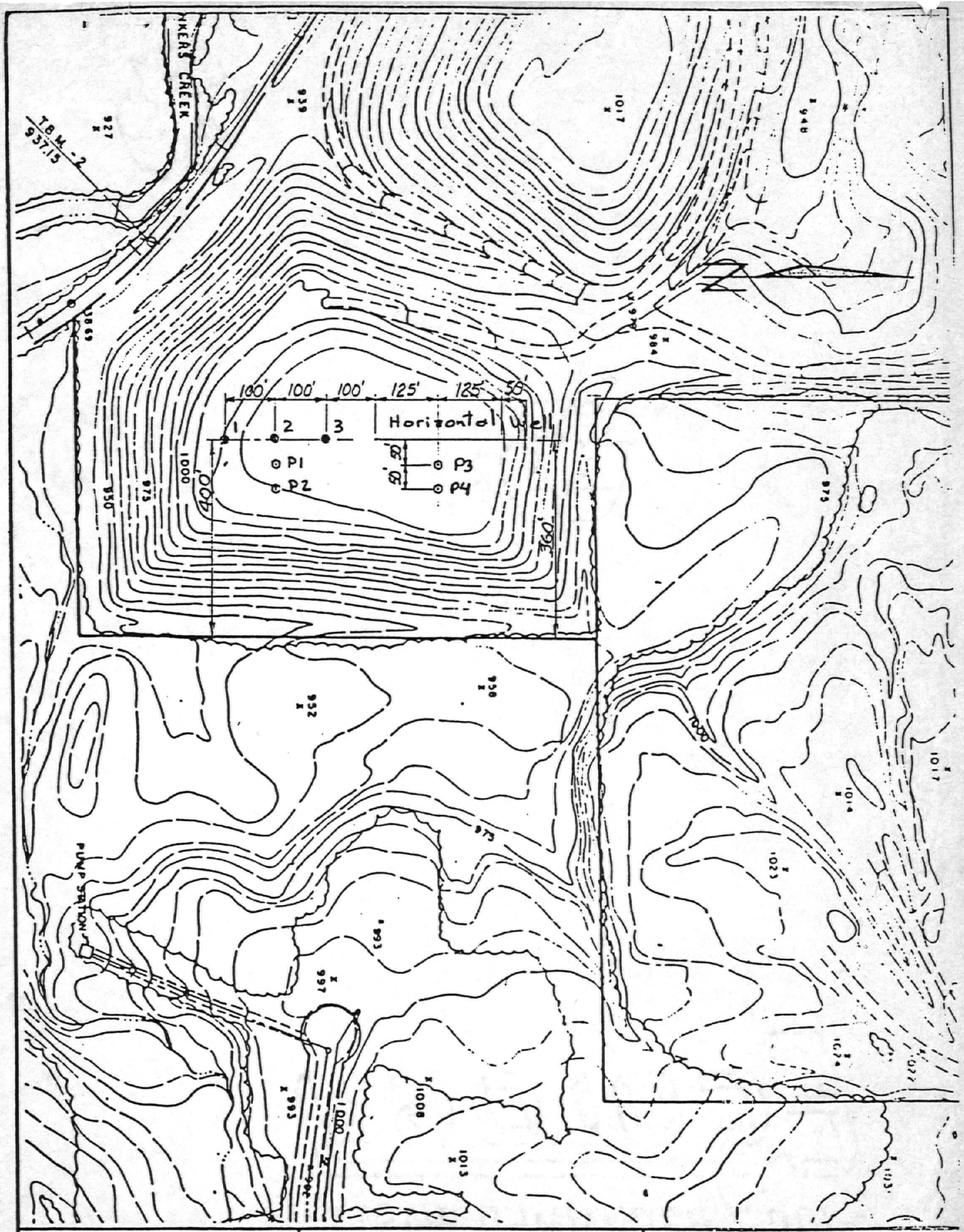
NOTES:

1. Vendor listed above must:
   A. Be fully bonded & insured.
   B. Assume responsibility for full compliance with all E.P.A. or O.S.H.A. regulations, and any applicable requirements or laws of other governing agencies.
2. Vendor to transport material to an approved & licensed disposal service authorized to handle such wastes, who is in compliance with E.P.A., O.S.H.A., and other governing agencies requirements. Vendor listed on thisorder is responsible for ensuring disposal service complies with requirements listed above.
3. All labor, transport and disposal charges are included in costs shown on this order.
4. Vendor must submit certification of compliance to requirements of this order with each invoice submitted.
5. E.F.H.Co. will prepare proper Bills of Lading for all pick-ups.
6. E.F.H.Co. terms and conditions govern and apply in all cases.
7. This Purchase Order Replaces P.O. [illegible]
8. "This is a firm fixed price contract for the period stated above. Any request for change will be subject to prior review & approval by EFHCO. Price changes must further be substantiated in writing from Alchentron's supplier".

Total P.O. Value:

EPA Inspector
Gallon Barrel

Freight 12.50



SSG

NORTH COAST OIL & GAS RECOVERY INC.
CLEVELAND, OHIO

SITE PLAN FOR
INLAND REFUSE LANDFILL
SOLON, OHIO

ecology and environment, inc.

REFERENCE

SITE NAME Inland Landfill

SITE ID

USGS TOPOGRAPHIC MAPS:

NAME Shaker Heights	NAME Chagrin Falls
DATE 1963	DATE 1963
REVISED Unknown	REVISED 1979
NAME Northfield	NAME Twinsburg
DATE 1963	DATE 1963
REVISED 1979	REVISED 1979

SCALE

0 ½ 1 MILE

OHIO

QUADRANGLE LOCATION