105902

NORTHEASTERN ENVIRONMENTAL ASSOCIATES
DER LAB ID # 35-302 TAX ID # 231-2387955
environmental management specialists
1620 N. MAIN AVE.
SCRANTON, PA 18508

JEROME LOFTUS
President

(717) 348-0775

water/waste analysis (EPA/DER Cert.) • facility operation • solid ind./haz. waste • environmental assessment

June 13, 1988

Client : G.E. Ray Construction Co.
P.O. Box 90
Plymouth, Pa. 18651

Sample Description : Mine Water
Sample Date : May 24, 1988
Sample Time : See Chain of Custody Record

Sample ID Number	Sampling Point	Depth From
1	Bore Hole #1	155 f
2	Bore Hole #1	185 f
3	Bore Hole #72	140 f
4	Bore Hole #72	180 f
5	EPA-8	190 f
6	EPA-8	240 f
7	EPA-10	255 f
8	Bore Hole #52	135 f
9	Bore Hole #52	150 f
10	Butler Tunnel	NA

ANALYTICAL RESULTS

Total Cyanide

Sample ID Number	Total Cyanide (mg/l)
1	<0.025
2	<0.025
3	<0.025
4	<0.025
5	<0.025
6	<0.025
7	54.1
8	<0.025
9	0.7
10	<0.025

NORTHEASTERN ENVIRONMENTAL ASSOCIATES
DER LAB ID # [illegible] TAX ID # [illegible]
environmental management specialists
1620 N. MAIN AVE.
SCRANTON, PA 18508

JEROME LOFTUS
President

(717) 348-0775

water waste analysis (EPA DER Cert.) • facility operation • solid ind. haz. waste • environmental assessment

June 13, 1988

Client : G.E. Ray Construction Co.
P.O. Box 90
Plymouth, Pa. 18651

Sample Description : Mine Water
Sample Date : May 24, 1988
Sample Time : See Chain of Custody Record

Petroleum Hydrocarbons

Sample ID Number	Petroleum Hydrocarbons (mg/l
1	<0.2
2	0.3
3	1.0
4	1.0
5	0.4
6	<0.2
7	<8.0*
8	0.2
9	0.2
10	0.2

* Elevated detection limit due to sample matrix.

NORTHEASTERN ENVIRONMENTAL ASSOCIATES
environmental management specialists
1620 N. MAIN AVE.
SCRANTON, PA 18508

JEROME LOFTUS
President
(717) 348-0775

water waste analysis (EPA DER Cert.) • facility operation • solid ind. haz. waste • environmental assessment

June 13, 1988

Client : G.E. Ray Construction Co.
P.O. Box 90
Plymouth, Pa. 18651

Sample Description : Mine Water

Volatile Organic Carbon EPA Method 624

Sample -> Parameter	Concentration (ppb) NO. 1	NO. 2	NO. 3	NO. 4	NO. 5
Acrolein	<100	<100	<100	<100	<100
Acrylonitrile	<100	<100	<100	<100	<100
Benzene	<10	<10	<10	<10	<10
Bromodichloromethane	<10	<10	<10	<10	<10
Bromoform	<10	<10	<10	<10	<10
Bromomethane	<10	<10	<10	<10	<10
Carbon tetrachloride	<10	<10	<10	<10	<10
Chlorobenzene	<10	<10	<10	<10	<10
Chloroethane	<10	<10	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10	<10	<10
Chloroform	<10	<10	<10	<10	<10
Chloromethane	<10	<10	<10	<10	<10
Dibromochloromethane	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10	<10	<10	<10	<10
1,3-Dichlorobenzene	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	<10	<10	<10	<10	<10
1,1-Dichloroethane	<10	<10	<10	<10	<10
1,2-Dichloroethane	<10	<10	<10	<10	<10
1,1-Dichloroethene	<10	<10	<10	<10	<10
trans-1,2-Dichloroethene	<10	<10	<10	<10	<10
1,2-Dichloropropane	<10	<10	<10	<10	<10
cis-1,3-Dichloropropene	<10	<10	<10	<10	<10
trans-1,3-Dichloropropene	<10	<10	<10	<10	<10
Ethyl benzene	<10	<10	<10	<10	<10
Methylene chloride	<10	<10	<10	<10	<10
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<10
Tetrachloroethene	<10	<10	<10	<10	<10
Toluene	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<10	<10	<10	<10	<10
1,1,2-Trichloroethane	<10	<10	<10	<10	<10
Trichloroethene	<10	<10	<10	<10	<10
Trichlorofluromethane	<10	<10	<10	<10	<10
Vinyl Chloride	<10	<10	<10	<10	<10

NORTHEASTERN ENVIRONMENTAL ASSOCIATES
environmental management specialists
1620 N. MAIN AVE.
SCRANTON, PA 18508

JEROME LOFTUS
President

(717) 348-0775

water waste analysis (EPA DEP Cert.) • facility operation • solid ind. haz. waste • environmental assessment

June 13, 1988

Client : G.E. Ray Construction Co.
P.O. Box 90
Plymouth, Pa. 18651

Sample Description : Mine Water

Volatile Organic Carbon EPA Method 624

Sample -> Parameter	Concentration (ppb) NO. 6	NO. 7*	NO. 8	NO. 9	NO. 10
Acrolein Acrylonitrile	<100	<1000	<100	<100	<100
Benzene	<100	<1000	<100	<100	<100
Bromodichloromethane	<10	<100	<10	<10	<10
Bromoform Bromomethane	<10	<100	<10	<10	<10
Carbon tetrachloride	<10	<100	<10	<10	<10
Chlorobenzene	<10	<100	<10	<10	<10
Chloroethane	<10	<100	<10	<10	<10
2-Chloroethylvinyl ether	<10	<100	<10	<10	<10
Chloroform Chloromethane	<10	<100	<10	<10	<10
Dibromochloromethane	<10	<100	<10	<10	<10
1,2-Dichlorobenzene	<10	<100	<10	<10	<10
1,3-Dichlorobenzene	<10	<100	<10	<10	<10
1,4-Dichlorobenzene	<10	<100	<10	<10	<10
1,1-Dichloroethane	<10	<100	<10	<10	<10
1,2-Dichloroethane	<10	<100	<10	<10	<10
1,1-Dichloroethene	<10	<100	<10	<10	<10
trans-1,2-Dichloroethene	<10	<100	<10	<10	<10
1,2-Dichloropropane	<10	<100	<10	<10	<10
cis-1,3-Dichloropropene	<10	<100	<10	<10	<10
trans-1,3-Dichloropropene	<10	<100	<10	<10	<10
Ethyl benzene Methylene	<10	<100	<10	<10	<10
chloride	<10	<100	<10	<10	<10
1,1,2,2-Tetrachloroethane	<10	<100	<10	<10	<10
Tetrachloroethene Toluene	<10	<100	<10	<10	<10
1,1,1-Trichloroethane	<10	<100	<10	<10	<10
1,1,2-Trichloroethane	<10	<100	<10	<10	<10
Trichloroethene	<10	<100	<10	<10	<10
Trichloroflurometh ane	<10	<100	<10	<10	<10
Vinyl Chloride	<10	<100	<10	<10	<10

*Elevated detection limit of Sample No. 7 due to sample matr

NORTHEASTERN ENVIRONMENTAL ASSOCIATES

Client G.E. RAY CONSTRUCTION CO. Phone 779-3989

Address P.O. BOX 90

City PLYMOUTH State PA Zip 18651

CHAIN OF CUSTODY RECORD

SURVEY DUPONT BORU MINE FLUSHING PROJECT

SAMPLERS: (Signature) Jerome X [illegible]

STATION NUMBER	STATION LOCATION	DATE	TIME	SAMPLE TYPE Water Comp	Water Grab	Air	SEQ. NO.	NO. OF CONTAINERS	ANALYSIS REQUIRED
001	TEST HOLE #1 DEPTH = 155 FT	5/24/88	9:30	X			1	2 VOC 1 liter Cl 1 liter Pl	TOT CN⁻ VOC-624 PET HYDRO.
002	TEST HOLE #1 DEPTH = 185 FT	5/24/88	9:50	X			2	4	"
003	BORE HOLE #72 DEPTH = 140 FT	5/24/88	10:15	X			3	4	"
004	BORE HOLE #72 DEPTH = 180	5/24/88	10:25	X			4	4	"
005	EPA-8 DEPTH = 190	5/24/88	11:20	X			5	4	"
006	EPA-8 DEPTH = 240	5/24/88	11:50	X			6	4	"
007	EPA-10 DEPTH = 255	5/24/88	12:35	X			7	4	"
008	BORE HOLE #52 DEPTH = 135	5/24/88	1:00	X			8	4	"
009	BORE HOLE #52 DEPTH = 150	5/24/88	1:25	X			9	4	"
010	BUTLER TUNNEL OUTFALL	5/24/88	1:45	X			10	4	"

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time 208889

Dispatched by: (Signature) Date/Time Received for Laboratory by: AR300535 5/24/88 3:00 PM

Method of Shipment: TRANSPORT BY SAMPLER