

Appendices

Appendices To
Voluntary Investigation Report
25 Melville Park Road
Melville, New York

December 1997

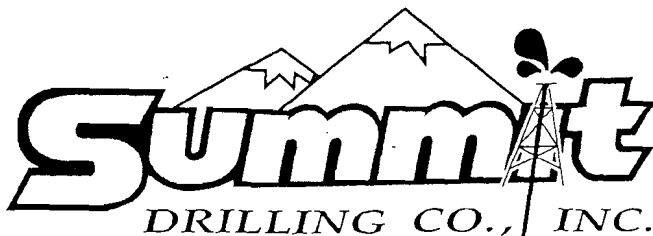
Prepared for:

WHCS Real Estate Limited Partnership
600 E. Las Colinas Boulevard, Suite 1900
Irving, Texas 75039

Prepared by:

CDM Camp Dresser & McKee
100 Crossways Park Drive West
Woodbury, New York 11797-2012

APPENDIX A
SOIL BORING AND WELL CONSTRUCTION LOGS



ENVIRONMENTAL SPECIALISTS

Central Jersey Industrial Park
Chimney Rock Road, Bldg. 9W
Bound Brook, NJ 08805
Telephone: (908) 722-4266
Toll Free: (800) 242-6648
FAX: (908) 356-1009

WELL LOG

WELL: 19D DATE DRILLED: 04/23/1997 COORD #1: PERMIT #1:
COORD #2: PERMIT #2: COUNTY:
SITE: Mellville, Mellville Long Island, , Mellville, NY
OWNER: Mellville, Mellville Long Island, , Mellville, NY XSTREET:
USE: Monitor

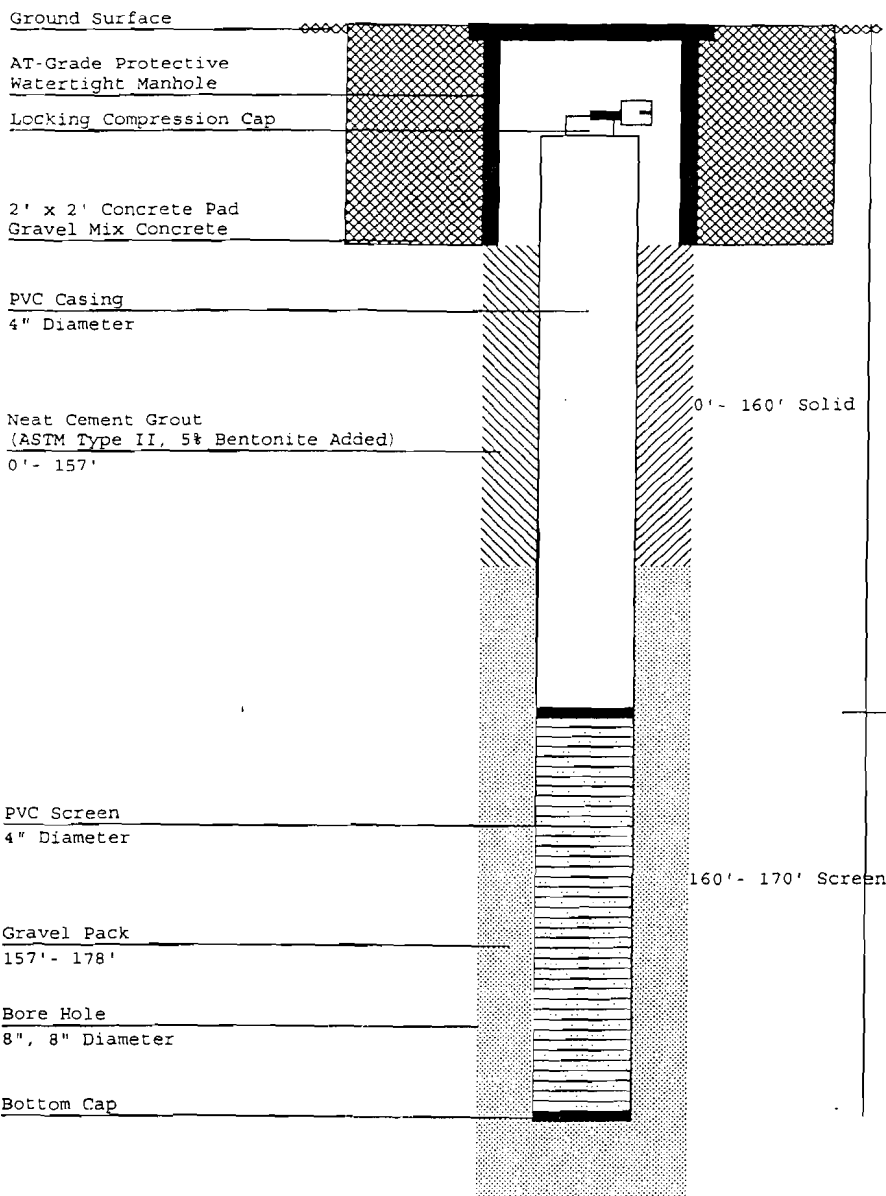
INNER CASING: PVC OUTER CASING: SCREEN TYPE 1: PVC DRILLING METHOD: Mud Rotary
DIAMETER: 4" DIAMETER: SCREEN TYPE 2: SAMPLING METHOD:
LENGTH: 160' LENGTH: DIAMETER: 4" HOLE DIA: 8", 8"
LENGTH 1: 10' TOTAL DEPTH: 178'
LENGTH 2:
SLOT SIZE: .020

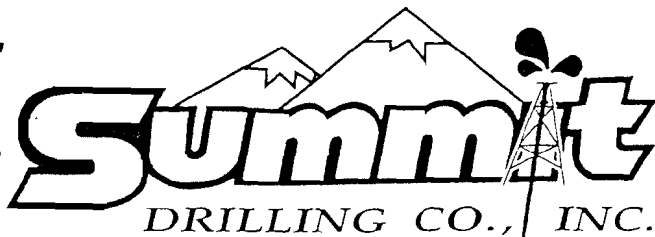
TEST WELL: 170' GAL PER MIN: STAT H2O LVL: 55' CASING SEAL: Portland
RAVEL PK SZ: Morie #2 DEVELOPMENT METHOD: OPEN HOLE:
DRILLER: Carmine Decorso DEVELOPMENT TIME:
SURFACE COMPLETION: M

DEPTH BELOW BLOWS PER 6"
SURFACE ON SAMPLER
FROM - TO

REMARKS / SOILS IDENTIFICATION

0' - 1' Asphalt & road stone.
1' - 60' C/f sand & gravel trace cobbles.
60' - 61' Orange clay mix with fine sand.
61' - 160' Multi-colored m/f sand & gravel
little silt.
160' - 178' White fine sand.





ENVIRONMENTAL SPECIALISTS

Central Jersey Industrial Park
Chimney Rock Road, Bldg. 9W
Bound Brook, NJ 08805
Telephone: (908) 722-4266
Toll Free: (800) 242-6648
FAX: (908) 356-1009

WELL LOG

WELL: MW20D DATE DRILLED: 05/02/1997 COORD #1:
COORD #2:
SITE: Mellville, Mellville Long Island, , Mellville, NY
OWNER: Mellville, Mellville Long Island, , Mellville, NY

PERMIT #1:
PERMIT #2:

COUNTY:
XSTREET:
USE: Monitor

INNER CASING: PVC
DIAMETER: 4"
LENGTH: 175'

OUTER CASING:
DIAMETER:
LENGTH:

SCREEN TYPE 1: PVC
SCREEN TYPE 2:
DIAMETER: 4"
LENGTH 1: 10'
LENGTH 2:
SLOT SIZE: .020

DRILLING METHOD: Mud Rotary
SAMPLING METHOD:
HOLE DIA: 8", 8"
TOTAL DEPTH: 195'

TEST WELL: 185'
WATER PK SZ: Morie #2

GAL PER MIN:
STAT H2O LVL: 50'

DRIILLER: Carmine Decorso
SURFACE COMPLETION: M

DEVELOPMENT METHOD:
DEVELOPMENT TIME:

CASING SEAL: Portland
OPEN HOLE:

DEPTH BELOW SURFACE
FROM - TO

Ground Surface

AT-Grade Protective
Watertight Manhole

Locking Compression Cap

2' x 2' Concrete Pad
Gravel Mix Concrete

PVC Casing
4" Diameter

Neat Cement Grout
(ASTM Type II, 5% Bentonite Added)
0' - 158'

0' - 175' Solid

PVC Screen
4" Diameter

175' - 185' Screen

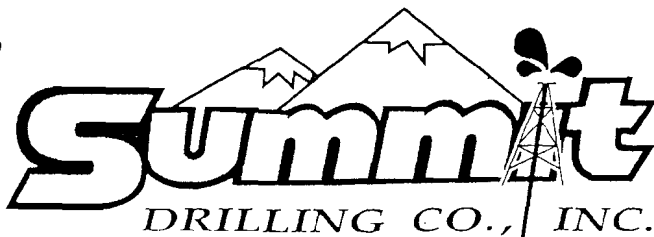
Gravel Pack
168' - 195'

Bore Hole
8", 8" Diameter

Bottom Cap

REMARKS / SOILS IDENTIFICATION

- 0' - 1' Asphalt & road stone.
- 1' - 60' Multi-colored m/f sand & gravel.
- 60' - 62' Multi-colored m/f sand & gravel
trace orange clay.
- 62' - 195' Multi-colored c/f sand & gravel.



ENVIRONMENTAL SPECIALISTS

Central Jersey Industrial Park
Chimney Rock Road, Bldg. 9W
Bound Brook, NJ 08805
Telephone: (908) 722-4266
Toll Free: (800) 242-6648
FAX: (908) 356-1009

WELL LOG

LL: MW21D DATE DRILLED: 05/06/1997 COORD #1: PERMIT #1:
COORD #2: PERMIT #2: COUNTY:
SITE: Mellville, Mellville Long Island, , Mellville, NY
OWNER: Mellville, Mellville Long Island, , Mellville, NY XSTREET:
USE: Monitor
INNER CASING: PVC OUTER CASING: SCREEN TYPE 1: PVC DRILLING METHOD: Mud Rotary
DIAMETER: 4" DIAMETER: SCREEN TYPE 2: SAMPLING METHOD:
LENGTH: 49.5' LENGTH: DIAMETER: 4" HOLE DIA: 8", 8"
LENGTH 1: 110' TOTAL DEPTH: 165'
STAT H2O LVL: 45' LENGTH 2:
SLOT SIZE: .020
DEVELOPMENT METHOD:
DEVELOPMENT TIME:
CASING SEAL: Portland
OPEN HOLE:

DEPTH BELOW BLOWS PER 6"
SURFACE ON SAMPLER
FROM - TO

REMARKS / SOILS IDENTIFICATION

0' - 1' Asphalt & gravel.
- 60' Light brown c/f sand & gravel.
- 165' Light brown m/f sand trace silt.

Ground Surface

AT-Grade Protective
Watertight Manhole

Locking Compression Cap

2' x 2' Concrete Pad
Gravel Mix Concrete

PVC Casing
4" Diameter

Neat Cement Grout
(ASTM Type II, 5% Bentonite Added)
0' - 48'

5' - 50' Solid

PVC Screen
4" Diameter

50' - 160' Screen

Gravel Pack
48' - 165'

Bore Hole
8", 8" Diameter

Bottom Cap



Central Jersey Industrial Park
Chimney Rock Road, Bldg. 9W
Bound Brook, NJ 08805
Telephone: (908) 722-4266
Toll Free: (800) 242-6648
FAX: (908) 356-1009

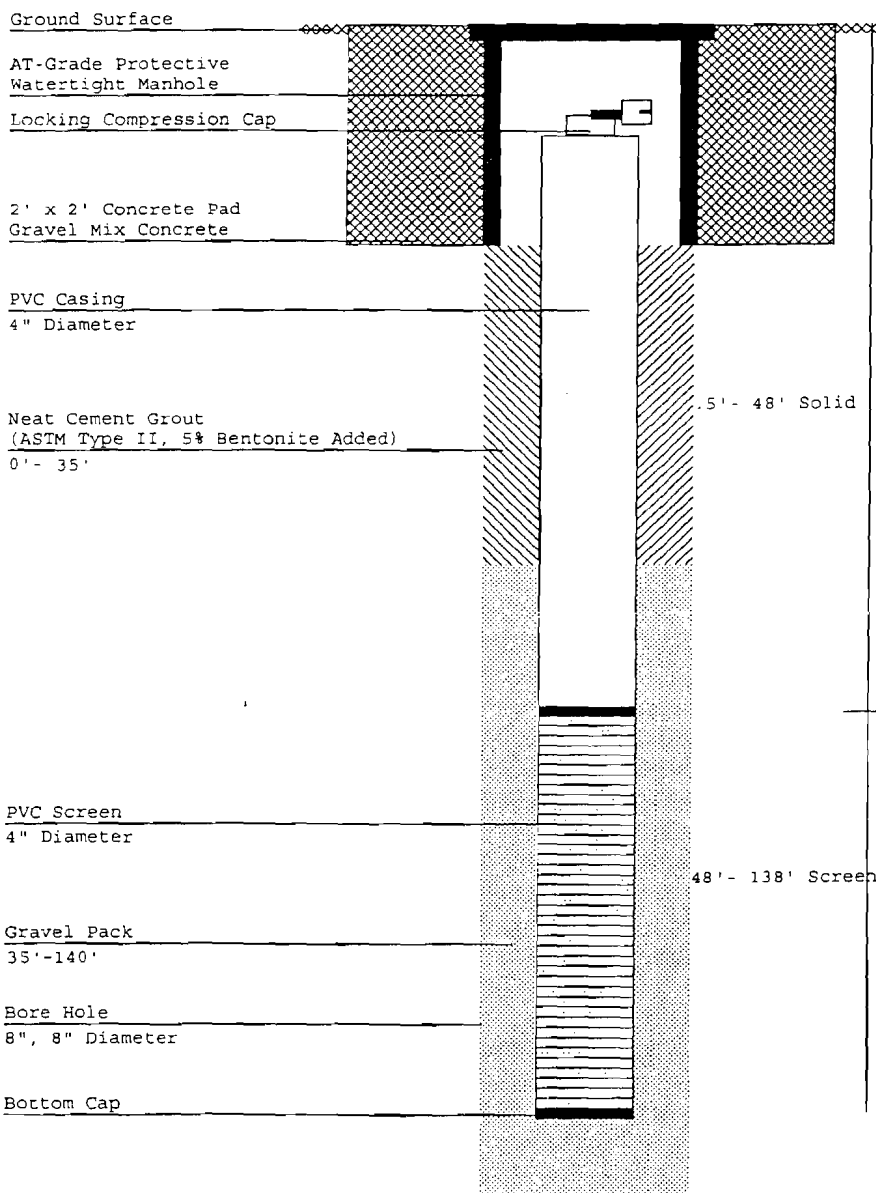
WELL LOG

WELL: MW22D DATE DRILLED: 05/09/1997 COORD #1: PERMIT #1: COUNTY: XSTREET: USE: Monitor
 COORD #2: PERMIT #2:
 SITE: Mellville, Mellville Long Island, , Mellville, NY
 OWNER: Mellville, Mellville Long Island, , Mellville, NY
 INNER CASING: PVC OUTER CASING: SCREEN TYPE 1: PVC DRILLING METHOD: Mud Rotary
 DIAMETER: 4" DIAMETER: SCREEN TYPE 2: SAMPLING METHOD:
 LENGTH: 47.5' LENGTH: DIAMETER: 4" HOLE DIA: 8", 8"
 LENGTH 1: 90' LENGTH 2: TOTAL DEPTH: 150'
 STAT WELL: 138' GAL PER MIN: SLOT SIZE: .020
 GRAVEL PK SZ: Morie #2 STAT H2O LVL: 45'
 DRILLER: Don Grahame, Jr. DEVELOPMENT METHOD: CASING SEAL: Portland
 SURFACE COMPLETION: M DEVELOPMENT TIME: OPEN HOLE:

DEPTH BELOW BLOWS PER 6"
 SURFACE ON SAMPLER
 FROM - TO

REMARKS / SOILS IDENTIFICATION

0' - 1' Asphalt & gravel.
 1' - 66' Light brown c/f sand & gravel.
 66' - 138' Light brown m/f sand trace silt.



APPENDIX B

PUBLIC RECORDS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

IND.

Division of Pure Waters

January 12, 1973

New York Twist Drill Corporation
Bayliss Road
Melville, New York

Re: Industrial Wastewater
Treatment Facilities
New York Twist Drill Corporation
Huntington (T), Suffolk County

Gentlemen:

This project has been received and assigned to
Mr. Nolan Curry for review. Mr. Curry may be reached at
518/457-6613 if you wish to inquire about project status.

Should he have any questions concerning technical aspects
of your project, he will contact your engineer directly.

Very truly yours,

Thomas E. Quinn, P.E., Chief
Industrial Facility Section

TEQ:sp

cc: Ronkonkoma Region 1
cc: Suffolk Co. Dept. of Environmental Control
cc: Bensin & Burns

RECEIVED

JAN 18 1973

SUFFOLK COUNTY
REGION 1

Division of Pure Waters

January 17, 1973

Mr. R. T. Burns
Bensin & Burns
P.O.Box 235
Bethpage, New York 11714

Re: New York Twist Drill
Huntington (T), Suffolk Co.

Dear Mr. Burns:

In your engineering report of February 3, 1972, requesting an operating permit to reinstate the treatment system, a couple of points need clarification.

1. Since steel is being nitrided, how much of the ferrocyanide complex is present in the wastewater? This is not given in your analysis. It will not show up in the normal test for free cyanide.
2. The one sample analysis of June 29, 1972 does not state location, type and kind of sample. With the Barium on the one sample at the upper limit of 2.0 mg/l, more data should be obtained.

Very truly yours,

Nolan A. Curry, P.E.
Senior Sanitary Engineer
Industrial Facility Section

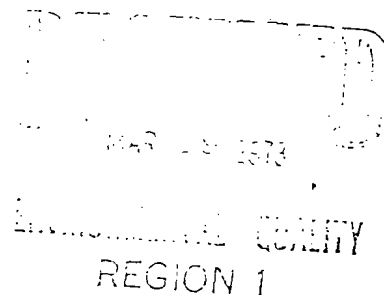
NAC:sp

cc: Ronkonkoma Region #1
cc: Suffolk Co. Dept. Environmental Control
cc: New York Twist Drill

Division of Pure Waters

March 14, 1973

Mr. Paul Tobin
New York Twist Drill Corporation
Bayliss Road
Melville, New York



Re: New York Twist Drill Corp.
Huntington (T), Suffolk Co.

Dear Mr. Tobin:

The engineering report submitted to reactivate your treatment plant has been approved. Since the facilities are already constructed, no permit to construct will be issued.

This approval does not constitute authority to operate the approved facilities. Please note:

Permit to Operate

Pursuant to provisions of Part 652 of Title 6 of the official compilation of Codes, Rules and Regulations of the State of New York, a permit to operate the constructed facilities is required.

Application (enclosed) for the permit to operate should be promptly submitted to the Bureau of Industrial Wastes of the New York State Department of Environmental Conservation, 50 Wolf Road, Albany, New York 12201.

Very truly yours,

Thomas E. Quinn, P.E., Chief
Industrial Facility Section

TEQ/NAC:sp
Enc.

cc: Ronkonkoma Region #1
cc: Suffolk Co. Dept. of Environmental Control
cc: Bensin & Burns
cc: Industrial Works Section



New York State Department of Environmental Conservation

MEMORANDUM

TO: Mr. Machlin - STONY BROOK REGIONAL OFFICE NO. 1
FROM: Mr. Bruce - Chief, Industrial Works Section
SUBJECT: Establishment of a Testing and Measuring Program
Wastewater Treatment Facilities
DATE: New York Twist Drill Corporation
Huntington (T), Suffolk County
March 23, 1973

An approval was recently issued for the subject facility. Prior to the issuance of a Permit to Operate, it is requested that your office or the local office contact the company to establish a testing and measuring program in connection with the influent to, operation of and the effluent from this facility. This program is to commence upon issuance of the Permit to Operate.

Please inform this office and the company in writing of the flow measurement, sampling and analyses requirements of the testing program, including frequencies.

In reviewing our files we recommend you consider at least the following analyses: (*Will have effluent limitations in the Permit to Operate.)

- *Flow
- *pH
- *Barium
- *Cyanide
- Suspended Solids

Flow and pH should be continuously recorded. Barium, cyanide and solids analyses should be made weekly. All tests and measurements are to be made on the final effluent from the treatment system before discharge to the leaching pools.

JMH/dt
cc: Suffolk Co. DEC

Bruce
RECEIVED
MAR 30 1973
QUALITY

4/5- Spoke to [unclear] and [unclear]
[unclear] decided that he will
[unclear] T-M program with
[unclear] [unclear]

Specialists in the finest industrial quality cutting tools

NEW YORK TWIST DRILL



October 15, 1973

SUFFOLK COUNTY DEPARTMENT
OF ENVIRONMENTAL CONTROL
1324 Motor Parkway
Hauppauge, New York 11787

Attn: Mr. C. Saturnino

Dear Mr. Saturnino:

As per our telephone conversation of September 26th, 1973, I am submitting this report on what we have accomplished on our Waste Water Disposal System since your visit to our plant on September 4th.

On September 25th, we had a scavenger, JONAS COMPANY of Sewell, New Jersey, come in to clean our Blending and Settling Tanks. These three tanks were pumped dry and also had all sludge scraped and hosed clean from all walls and bottoms. They are now in a "like new" clean condition. Our Distribution Tank was also pumped dry of all liquid, with a negligible amount of sludge noted on the bottom. All waste removed from the tanks has been transported away by the scavenger, to be disposed of in New Jersey.

I am enclosing a copy of the invoice from the scavenger covering these services.

As a further effort to comply with all laws governing environmental control, we have replaced all P.V.C. piping on our Nitride Waste Water System with new cast iron to avoid the possibility of any untreated waste water leaking into our leaching field.

It is our understanding that this report being submitted is in lieu of a test report of discharged waters from this site during the month of September.

RECEIVED

OCT 17 1973

ENVIRONMENTAL QUALITY
REGION 1

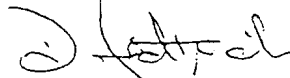
NEW YORK TWIST DRILL

-2-

I hope the foregoing meets with the approval of your office but, should additional information be required, please do not hesitate to contact me.

Very truly yours,

NEW YORK TWIST DRILL CORPORATION



D. Hedtrich

DH:csg

cc: Mr. May
NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
Region #1
Stony Brook, New York 11790

Enclosure

RECEIVED
OCT 17 1973

ENVIRONMENTAL QUALITY
REGION 1

NEW YORK
TWIST DRILL

November 26, 1973

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
Division of Pure Waters
500 Wolf Road
Albany, New York 12201

RECEIVED
NOV 27 1973

Gentlemen:

ENVIRONMENTAL QUALITY
REGION 1

The following is a summary report on the discharge of industrial waste water from these facilities during the month of October, 1973.

These results were obtained using standard testing methods on samples taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the H2M COMPANY of Melville, New York.

Copies of the individual test results are attached.

WEEK ENDING	VOLUME DISCHARGED	P.H.	BARIUM CONCENTRATION	CYANIDE CONCENTRATION	TOTAL SOLIDS
10/26/73	13,000 Gals.	7.0	3.9 PPM	0.09 PPM	-
11/02/73	13,000 Gals.	11.7	1.0 PPM	0.02 PPM	156 PPM

We realize that some of these results are above the acceptable limits, but we have taken corrective measures and feel certain that future tests will prove completely satisfactory.

Very truly yours,

NEW YORK TWIST DRILL CORPORATION

Donald A. Hedtrich

DAH:csg

Attachments

cc: Mr. May

→ DEPARTMENT OF ENVIRONMENTAL CONSERVATION - NEW YORK STATE
Region #1
Building #40
Stony Brook, New York 11790

Mr. C. Saturnino

SUFFOLK COUNTY DEPARTMENT OF ENVIRONMENTAL CONTROL

1324 Motor Parkway

Hauppauge, New York 11787

25 MELVILLE PARK ROAD, MELVILLE, L. I., N. Y. 11746 • 516-293-9200 • TELEX 96-7726

NEW YORK TWIST DRILL



November 26, 1973

RECEIVED
NOV 27 1973

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
Division of Pure Waters
500 Wolf Road
Albany, New York 12201

Gentlemen:

ENVIRONMENTAL QUALITY
REGION 1

The following is a summary report on the discharge of industrial waste water from these facilities during the month of October, 1973.

These results were obtained using standard testing methods on samples taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the H2M COMPANY of Melville, New York.

Copies of the individual test results are attached.

<u>WEEK</u> <u>ENDING</u>	<u>VOLUME</u> <u>DISCHARGED</u>	<u>P.H.</u>	<u>BARIUM</u> <u>CONCENTRATION</u>	<u>CYANIDE</u> <u>CONCENTRATION</u>	<u>TOTAL</u> <u>SOLIDS</u>
10/26/73	13,000 Gals.	7.0	3.9 PPM	0.09 PPM	-
11/02/73	13,000 Gals.	11.7	1.0 PPM	0.02 PPM	156 PPM

We realize that some of these results are above the acceptable limits, but we have taken corrective measures and feel certain that future tests will prove completely satisfactory.

Very truly yours,

NEW YORK TWIST DRILL CORPORATION

Donald A. Hedtrich

DAH:csg

Attachments

cc: Mr. May

→ DEPARTMENT OF ENVIRONMENTAL CONSERVATION - NEW YORK STATE
Region #1
Building #40
Stony Brook, New York 11790

Mr. C. Saturnino

SUFFOLK COUNTY DEPARTMENT OF ENVIRONMENTAL CONTROL

1324 Motor Parkway

Hauppauge, New York 11787

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NEW YORK TWIST DRILL



December 19, 1973

RECEIVED
DEC 20 1973

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Pure Waters
Five Hundred Wolf Road
Albany, N.Y. 12201

ENVIRONMENTAL QUALITY
REGION 1

Gentlemen:

The following is a summary report on the discharge of industrial waste water from these facilities during the month of November, 1973.

These results were obtained using standard testing methods on samples taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the H2M CORPORATION of Melville, New York.

Copies of the individual test results are attached.

WEEK ENDING	VOLUME DISCHARGED	P.H.	BARIUM CONCENTRATION	CYANIDE CONCENTRATION	TOTAL SOLIDS
11-09-73	13,000 Gal.	7.4	1.1 PPM	0.3 PPM	-
11-16-73	13,000 Gal.	7.4	0.5 PPM	0.4 PPM	-
11-23-73	11,000 Gal.	6.8	1.0 PPM	0.3 PPM	-
11-30-73	15,000 Gal.	7.1	0.6 PPM	0.2 PPM	163

We hope the above data is to your satisfaction but, should additional information be required, please do not hesitate to contact me.

Specific
Contact New York

Very truly yours,

DAH

1-1

NEW YORK-TWIST-DRILL-CORPORATION

Donald A. Hedtrich

DAH:csg

cc: Mr. May

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Region #1, Building #40
Stony Brook, N.Y. 11790

Mr. C. Saturnino
SUFFOLK COUNTY DEPARTMENT
OF ENVIRONMENTAL CONTROL
1324 Motor Parkway
Hauppauge, N.Y. 11787

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NEW YORK
TWIST DRILL

January 10, 1974



NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Pure Waters
Five Hundred Wolf Road
Albany, N.Y. 12201

Gentlemen:

The following is a summary report on the discharge of industrial waste water from these facilities during the month of December, 1973.

These results were obtained using standard testing methods on samples taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the H2M CORPORATION of Melville, New York.

Copies of the individual test results are attached.

WEEK ENDING	VOLUME DISCHARGED	P.H.	BARIUM CONCENTRATION	CYANIDE CONCENTRATION	TOTAL SOLIDS
12-06-73	13,000 Gal.	6.9	1.0 PPM	0.3 PPM	-
12-14-73	13,000 Gal.	9.2	1.6 PPM	0.2 PPM	-
12-21-73	13,000 Gal.	6.7	0.1 PPM	0.1 PPM	-
12-28-73	13,000 Gal.	4.6	0.2 PPM	0.3 PPM	179

We hope the above data is to your satisfaction but, should additional information be required, please do not hesitate to contact me.

RECEIVED
JAN 11 1974

Very truly yours,

NEW YORK TWIST DRILL CORPORATION

ENVIRONMENTAL QUALITY
REGION 1

Donald A. Hedtrich

DAH:csg

cc: Mr. May

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Region #1, Building #40
Stony Brook, N.Y. 11790

Mr. C. Saturnino
SUFFOLK COUNTY DEPARTMENT
OF ENVIRONMENTAL CONTROL
1324 Motor Parkway
Hauppauge, N.Y. 11787

Mr. J. J. Ballard

Mr. C. Deland

S. C. McLENDON, Director

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NEW YORK
TWIST DRILL

February 4, 1974

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Pure Waters
Five Hundred Wolf Road
Albany, N.Y. 12201



ENVIRONMENTAL CONSERVATION
REGION 1

Gentlemen:

The following is a summary report on the discharge of industrial waste water from these facilities during the month of January, 1974.

These results were obtained using standard testing methods on sample taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the H2M CORPORATION of Melville, New York.

Copies of the individual test results are attached.

WEEK ENDING	VOLUME DISCHARGED	P.H.	BARIUM CONCENTRATION	CYANIDE CONCENTRATION	TOTAL SOLIDS
1/04/74	11,000 Gal.	6.7	0.1 p.p.m.	0.2 p.p.m.	
1/11/74	12,800 Gal.	6.5	0.3 p.p.m.	0.3 p.p.m.	
1/18/74	13,000 Gal.	6.9	0.1 p.p.m.	0.1 p.p.m.	
1/25/74	13,000 Gal.	6.9	0.4 p.p.m.	0.1 p.p.m.	165

We hope the above data is to your satisfaction but, should additional information be required, please do not hesitate to contact me.

Very truly yours,

NEW YORK TWIST DRILL CORPORATION

Donald Mangogna

DM:cag

cc: Mr. May
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Region #1, Building #40
Stony Brook, N.Y. 11790

Mr. C. Saturnino
SUFFOLK COUNTY DEPARTMENT
OF ENVIRONMENTAL CONTROL
1324 Motor Parkway
Hauppauge, N.Y. 11787

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TWIST DRILL

March 6, 1974

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Pure Waters
Five Hundred Wolf Road
Albany, N.Y. 12201

Gentlemen:

The following is a summary report on the discharge of industrial waste water from these facilities during the month of February, 1974.

These results were obtained using standard testing methods on samples taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the H2M CORPORATION of Melville, New York.

Copies of the individual test results are attached.

WEEK ENDING	VOLUME DISCHARGED	P.H.	BARIUM CONCENTRATION	CYANIDE CONCENTRATION	TOTAL SOLIDS
2-01-74	13,000 Gal.	6.9	0.8 P.P.M.	0.3 P.P.M.	
2-08-74	12,000 Gal.	6.7	0.72 P.P.M.	0.5 P.P.M.	
2-15-74	11,000 Gal.	9.4	0.8 P.P.M.	0.4 P.P.M.	
2-22-74	12,500 Gal.	6.0	0.24 P.P.M.	0.2 P.P.M.	127

We hope the above data is to your satisfaction but, should additional information be required, please do not hesitate to contact me.

Very truly yours,

NEW YORK TWIST DRILL CORPORATION

Joseph Caracci

JC:csg

cc: Mr. May

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Region #1, Building #40
Stony Brook, N.Y. 11790

Mr. C. Saturnino
SUFFOLK COUNTY DEPARTMENT
OF ENVIRONMENTAL CONTROL
1324 Motor Parkway
Hauppauge, N.Y. 11787

RECEIVED
MAR 11 1974

ENVIRONMENTAL QUALITY
REGION I

25 MELVILLE PARK ROAD, MELVILLE, L. I. N. Y. 11746 • 516-293-9200 • TELEX 96-7726

NEW YORK
TWIST DRILL

April 9, 1974

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Pure Waters
Five Hundred Wolf Road
Albany, New York 12201

Gentlemen:

The following is a report on the discharge of industrial waste water from these facilities during the month of March, 1974.

These results were obtained using standard testing methods on samples taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the H2M CORPORATION of Melville, New York.

A copy of the individual test is attached.

DATE OF SAMPLE	VOLUME DISCHARGED	P.H.	BARIUM CONCENTRATION	CYANIDE CONCENTRATION	TOTAL SOLIDS
3/29/74	52,000 Gal.	6.6	2.1 ppm	.15 ppm	116

Parts in Process X Yes; No

We hope the above data is to your satisfaction but, should additional information be required, please do not hesitate to contact me.

Very truly yours,

NEW YORK TWIST DRILL CORPORATION

Joseph Caracci
Product Engineer

JC:nw

cc: Mr. May

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Region #1, Building #40
Stony Brook, N.Y. 11790

Mr. Roy Gilbert
SUFFOLK COUNTY DEPARTMENT
OF ENVIRONMENTAL CONTROL
1324 Motor Parkway
Häuppauge, N.Y. 11787

RECEIVED

APR 11 1974

ENVIRONMENTAL QUALITY
REGION 1

Signature

Laboratory Director

Date

Reported 4/3/74

25 MELVILLE PARK ROAD, MELVILLE, L.I., N.Y. 11746 • 516-293-9200 • TELEX-96-7726



TWIST DRILL

June 3, 1974

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Pure Waters
Five Hundred Wolf Road
Albany, New York 12201

Gentlemen:

The following is a report on the discharge of industrial waste water from these facilities during the month of May, 1974.

These results were obtained using standard testing methods on samples taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the H2M CORPORATION of Melville, New York.

A copy of the individual test is attached.

DATE OF SAMPLE	VOLUME DISCHARGED	P.H.	BARIUM CONCENTRATION	CYANIDE CONCENTRATION	TOTAL SOLIDS
5/17/74	52,500 Gal.	8.4	0.8 ppm	0.1 ppm	64

Parts in Process X Yes; No

We hope the above data is to your satisfaction but, should additional information be required, please do not hesitate to contact me.

Very truly yours,

NEW YORK TWIST DRILL CORPORATION

Joseph Caracci
Product Engineer

JC:mw

cc: Mr. May

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Region #1, Building #40
Stony Brook, N.Y. 11790

Mr. Roy Gilbert
SUFFOLK COUNTY DEPARTMENT
OF ENVIRONMENTAL CONTROL
1324 Motor Parkway
Hauppauge, N.Y. 11787

RECEIVED

JUN 4 1974

ENVIRONMENTAL QUALITY
REGION 1

25 MELVILLE PARK ROAD, MELVILLE, L. I. N.Y. 11746 • 516-293-9200 • TELEX 96-

NEW YORK
TWIST DRILL

October 1, 1974

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Pure Waters
Five Hundred Wolf Road
Albany, New York 12201

Gentlemen:

The following is a report on the discharge of industrial waste water from these facilities during the month of September, 1974.

These results were obtained using standard testing methods on samples taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the H2M CORPORATION of Melville, New York.

A copy of the individual test is attached.

DATE OF SAMPLE	VOLUME DISCHARGED	P.H.	BARIUM CONCENTRATION	CYANIDE CONCENTRATION	TOTAL SOLIDS
9/19/74	52,000 Gal.	7.6	0.76 ppm	0.32 ppm	120

Parts in Process ☒ Yes; ☐ No

We hope the above data is to your satisfaction but, should additional information be required, please do not hesitate to contact me.

Very truly yours,

NEW YORK-TWIST-DRILL-CORPORATION-

Joseph Caracci
Product Engineer

JC:nw

cc: Mr. May

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Region #1, Building #40
Stony Brook, N.Y. 11790

Copies to

Personnel

Mr. Roy Gilbert
SUFFOLK COUNTY DEPARTMENT
OF ENVIRONMENTAL CONTROL
1324 Motor Parkway
Hauppauge, N.Y. 11787

RECEIVED
OCT 3 1974

ENVIRONMENTAL QUALITY
REGION 1

25 MELVILLE PARK ROAD, MELVILLE, L. I. N.Y. 11746 • 516-293-9200 • TELEX 96-772

NEW YORK
TWIST DRILL

November 11, 1974

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Pure Waters
Five Hundred Wolf Road
Albany, New York 12201

Gentlemen:

The following is a report on the discharge of industrial waste water from these facilities during the month of October, 1974.

These results were obtained using standard testing methods on samples taken from our distribution tank which is the final effluent before our leaching pools. Tests were performed by the HEM CORPORATION of Melville, New York.

A copy of the individual test is attached.

DATE OF SAMPLE	VOLUME DISCHARGED	P.H.	BARIUM CONCENTRATION	CYANIDE CONCENTRATION	TOTAL SOLIDS
10/30/74	52,000 Gal.	8.0	0.1 ppm	0.6 ppm	83.1

Parts in Process X Yes; No

We hope the above data is to your satisfaction but, should additional information be required, please do not hesitate to contact me.

Very truly yours,

NEW YORK TWIST DRILL CORPORATION

Joseph Caracci
Product Engineer

JC:nw

cc: Mr. May

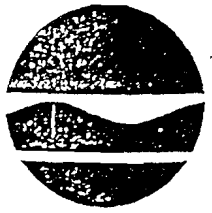
Samples: NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

REMARKS: Region #1, Building #40
Stony Brook, N.Y. 11790

Mr. Roy Gilbert
SUFFOLK COUNTY DEPARTMENT
OF ENVIRONMENTAL CONTROL
1324 Motor Parkway

S.C. Hauppauge, N.Y. 11787

New York State Department of Environmental Conservation



Ogden Reid,
Commissioner

April 2, 1975

New York Twist Drill
25 Melville Park Road
Melville, N.Y. 11746
Attn: Donald Nangogna, V.P.

RE: SPDES Permit No.: NY0075515
Reference No.: 47-0387

Dear Sir:

Enclosed please find the State Pollutant Discharge Elimination System Permit for the discharge from Industrial Bldg. at 25 Melville Park Road, Melville, N.Y. 11746.

Please carefully read the general and other conditions and the schedule contained in the permit to insure compliance during the term of the permit. This permit, or copy thereof, should be kept available on the premises of the discharging facility at all times.

The permit requires that you report monitoring results to the New York State Department of Environmental Conservation in Albany, to the Suffolk County Department of Environmental Control, and to this office. Monitoring information should be summarized and submitted using a discharge Monitoring Report Form at the intervals specified in the SPDES permit under General Conditions (Part II). Attached herewith are forms for this purpose.

Your attention is directed to Item 8 of Schedule A which requires routine sampling and testing of plant flows to assure proper operational control and surveillance. For this purpose, daily monitoring of all parameters will be required, in addition to the sampling required under Permit Effluent Limitations. Please submit your proposed method of operational monitoring and testing to this Office for approval within thirty (30) days.

Sincerely yours,

Andrew R. Yerman
Andrew R. Yerman, P.E.
Regional Water Quality Engineer

ARY:rja
Enclosures
cc: W. Garvey
A. Machlin
SODEC

SPDES File
cc: Region 1 - Reg. Ref. #47-0387
Suffolk Co. Dept of Env. Control
Mr. Crandall - BMS
Mr. Quinn - BIP

Application No. : NY 007 5515
Name of Permittee : New York Twist Drill
Effective Date : March 10, 1975
Expiration Date : March 10, 1980

STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)
DISCHARGE PERMIT

Special Conditions
(Part I)

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the provisions of the Federal Water Pollution Control Act, as amended by the Federal Water Pollution Control Act Amendments of 1972, P.L. 92-500, October 18, 1972 (33 U.S.C. § 1251 et. seq.) (hereinafter referred to as "the Act").

New York Twist Drill - Att: Donald Mangogna, Vice President
(Full Name of Permittee)

is authorized by William L. Garvey, P.E., Director, Bureau of Standards & Compliance
(Designated Representative of Commissioner of the
Department of Environmental Conservation)

to discharge from 25 Melville Park Road
(Street Address of Discharging Facility)
Melville, N.Y. 11746

Huntington (T), Suffolk Co.

to Ground Waters
(Name of Receiving Waters)

in accordance with the following special and general conditions:

The specific effluent limitations and other pollution controls applicable to the discharge permitted herein are set forth in the special conditions. Also set forth are self-monitoring and reporting requirements. Unless otherwise specified, the permittee shall submit original copies of all reports to the Central Office and the appropriate Regional Office of the Department of Environmental Conservation and the EPA Region II Regional Administrator. Except for data determined to be confidential under Section 17-0805 of the Environmental Conservation Law or Section 308 of the Act, all such reports shall be available for public inspection at the offices of the Department of Environmental Conservation and the Regional Administrator of EPA Region II. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 71-1933 of the Environmental Conservation Law or Section 309 of the Act.

Final Effluent Limitations

During the period beginning 6 mos. from EDP and lasting
(Give Date)
until the date of expiration of this permit, discharges from outfalls 001, 002, 003
(Specify Outfall Number)
shall be limited and monitored by the permittee as specified below:

(a) The following shall be limited and monitored by the permittee as specified:

Outfall Number	Effluent Characteristic	Discharge Limitation in kg/day (lbs./day)		Other Limitations (Specify Units)		Monitoring Requirements	
		Daily Average	Daily Maximum	Average	Maximum	Measurement Frequency	Sample Type
001,002		Same As Initial Effluent Limitations					
003*	Flow				NA	Monthly	
	Temperature				NA	Monthly	Grab
004	Sanitary Wastes Only						

*Cooling water only

Outfall 002 also subject to attached Schedule B

For the purposes of this subsection, the daily average discharge is the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating.

For the purposes of this subsection, the daily maximum discharge means the total discharge by weight during any calendar day.

(b) The pH shall not be less than _____ nor greater than _____.
The pH shall be monitored as follows: _____

al Effluent Limitations

During the period beginning 6 months from effective date of permit and lasting (Give Date)
 date of expiration of this permit, discharges from outfalls 001, 002, 003, 004
 (Specify Outfall Numbers)
 limited and monitored by the permittee as specified below:

(a) The following shall be limited and monitored by the permittee as follows:

Monitoring Requirements	Sample Type	Effluent Characteristic	Discharge Limitation in kg/day (lbs./day)		Other Limitations (Specify Units)		Monitoring Requirements	
			Daily Average	Daily Maximum	Average	Maximum	Measurement Frequency	Sample Type
Batch	Grab	Flow			NA		Total each batch	
Batch	Grab	Total Dissolved Solids			1,000 mg/l		each batch	Grab
Batch	"	Total Suspended Solids			30 mg/l	50 mg/l	each batch	Grab
Batch	"	Cyanide			.4 mg/l		each batch	Grab
Composit.		Flow			NA		Monthly	Vol.
Composit.		Temperature			NA		Monthly	Grab

" Sanitary waste only - No monitoring required.

Industrial waste holding tanks - 4,900 gallon total (Buried) No discharge to surface ground waters allowed.

Oil holding tank - 2,000 gallon total (Buried) - No discharge to surface ground waters allowed.

For a & b contents of holding tanks to be removed by an approved industrial waste scavenger only. Accurate records of waste removal must be maintained for inspection by NYSDEC and SCDE. Also subject to attached Schedule "A".

For the purposes of this subsection, the daily average discharge is the discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating.

For the purposes of this subsection, the daily maximum discharge is the total discharge by weight during any calendar day.

(b) The pH shall not be less than 6.5 nor greater than 8.5.
 pH shall be monitored as follows: by a pH meter on a representative sample taken from the settling tank (001), for 002, monthly grab

Initial Effluent Limitations

During the period beginning on the effective date of this permit and lasting until 6 mos. from EDP., discharges from outfalls 001 and 002
(Give Date) (Specify Outfall Numbers)
shall be limited and monitored by the permittee as specified below:

(a) The following shall be limited and monitored by the permittee as specified:

Outfall Number	Effluent Characteristic	Discharge Limitation in kg/day (lbs./day)		Other Limitations (Specify Units)		Monitoring Requirements	
		Daily Average	Daily Maximum	Average	Maximum	Measurement Frequency	Sampling Type
001*	Flow			NA		Total Each Batch	
	Total Dissolved Solids			1000 mg/l		each batch	Grab
	Total Suspended Solids		30 mg/l	50 mg/l		each batch	Grab
	Cyanide			.4 mg/l		"	"
002**	Flow			NA		daily	
	Total Dissolved Solids			1000 mg/l		weekly	Composi
	Total Suspended Solids		30 mg/l	50 mg/l		"	"
	Barium			2.0 mg/l		"	"
	Iron			.6 mg/l		"	"

* Sampling shall be made before mixture in blending tank
** Sampling shall be made in the settling tank

Outfall 002 also subject to attached Schedule B

For the purposes of this subsection, the daily average discharge is the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating.

For the purposes of this subsection, the daily maximum discharge means the total discharge by weight during any calendar day.

(b) The pH shall not be less than 6.5 nor greater than 8.5.
The pH shall be monitored as follows: By a pH meter on a representative grab sample taken from the settling tank

Final Effluent Limitations

During the period beginning 6 mos. from EDP and lasting
(Give Date)
until the date of expiration of this permit, discharges from outfalls 001, 002, 003
(Specify Outfall Number)
shall be limited and monitored by the permittee as specified below:

(a) The following shall be limited and monitored by the permittee as specified:

Outfall Number	Effluent Characteristic	Discharge Limitation in kg/day (lbs./day)		Other Limitations (Specify Units)	Monitoring Requirements	
		Daily Average	Daily Maximum		Measurement Frequency	Sample Type
001,002	Same As Initial Effluent Limitations					
003*	Flow			NA	Monthly	
	Temperature			NA	Monthly	Grab
004	Sanitary Wastes Only					

*Cooling water only

Outfall 002 also subject to attached Schedule B

For the purposes of this subsection, the daily average discharge is the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating.

For the purposes of this subsection, the daily maximum discharge means the total discharge by weight during any calendar day.

(b) The pH shall not be less than _____ nor greater than _____.
The pH shall be monitored as follows: _____

Schedule of Compliance for Effluent Limitations

(a) Permittee shall achieve compliance with the effluent limitations specified above for discharges from outfalls 001, 002, 003, 004

(Specify Outfall Numbers)

in accordance with the following schedule:

1. Submit Approvable Engineering Report by: 2 months from EDP
2. Submit Approvable Final Plans by : 3 months from EDP
3. Award of Contract or other Commitment of Financing by : NA
4. Commencement of Construction by : NA
5. Report of Construction Progress : NA
6. Report of Construction Progress : NA
7. Report of Construction Progress : NA
8. Completion of Construction by : 5 months from EDP
9. Attainment of Operational Level by : 6 months from EDP

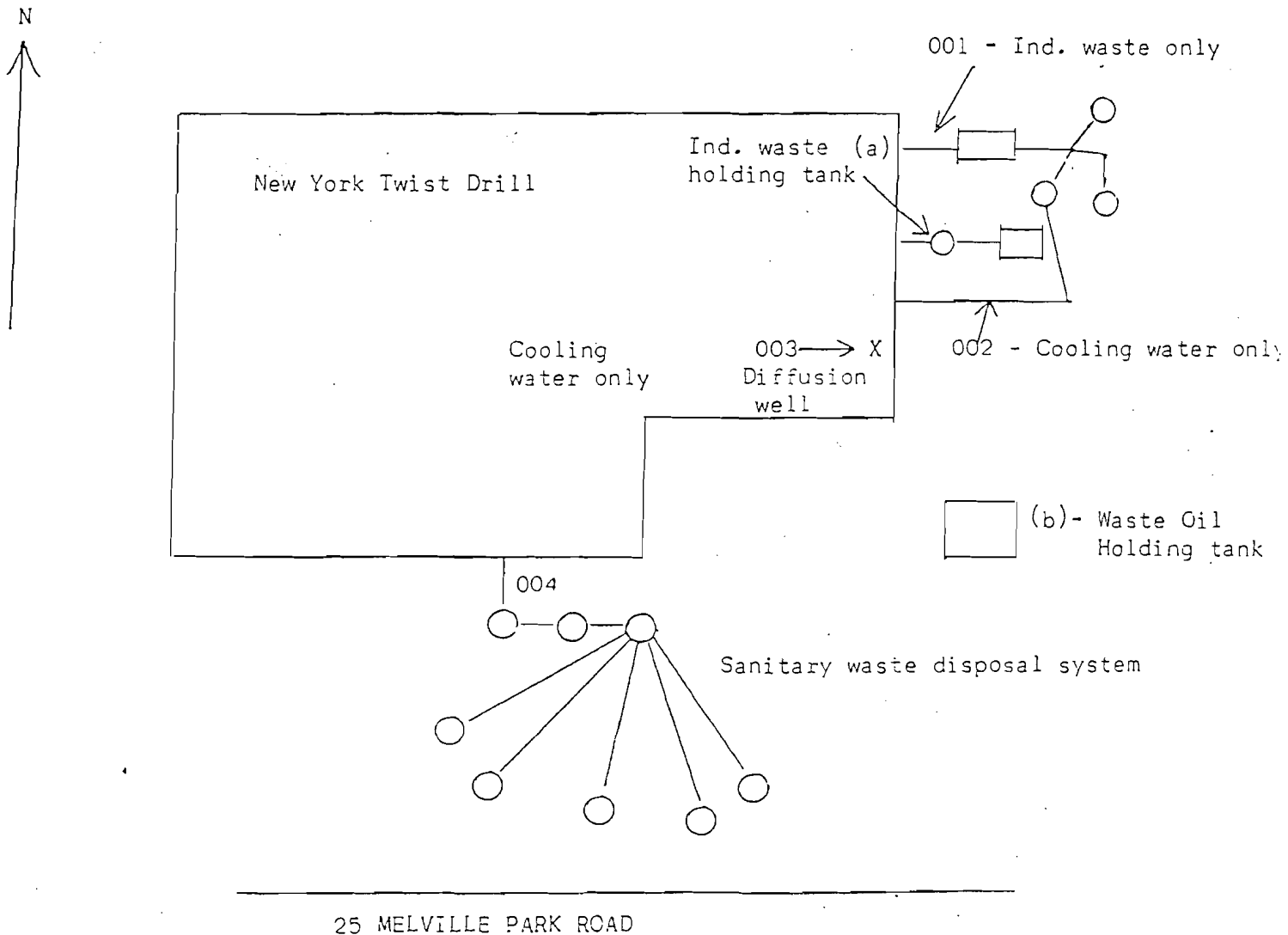
(b) The permittee shall submit to the Department of Environmental Conservation the required document (s) where a specific action is required in (a) above to be taken by a certain date, and a written notice of compliance or noncompliance with each of the above schedule dates, postmarked no later than 14 days following each elapsed date. Each notice of noncompliance shall include the following information:

1. A short description of the noncompliance;
2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement without further delay;
3. A description of any factors which tend to explain or mitigate the noncompliance; and
4. An estimate of the date permittee will comply with the elapsed schedule requirement and an assessment of the probability that permittee will meet the next scheduled requirement on time.

Monitoring Locations

Permittee shall take samples and measurements to meet the monitoring requirements at the location indicated below: (Show locations of outfalls with U.T.M. Coordinates and sketch or flow diagram as appropriate).

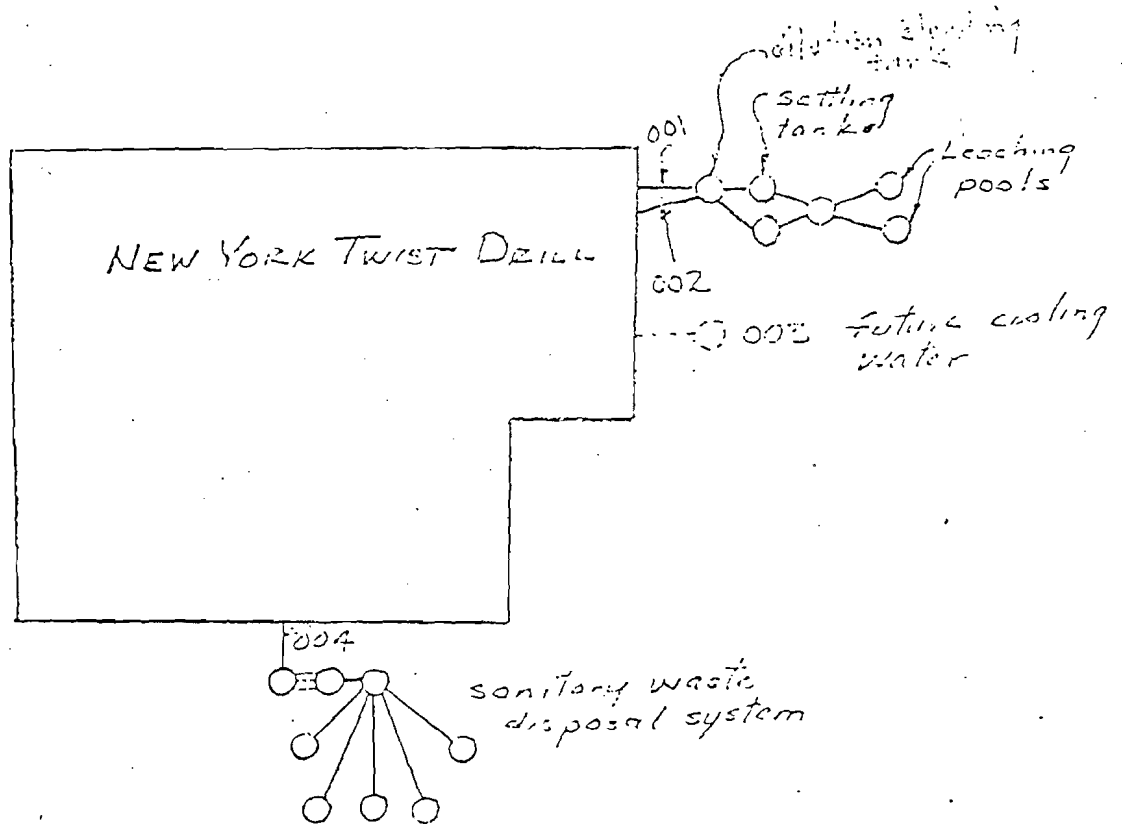
A representative grab sample shall be taken as described in the Initial Effluent Conditions.



Monitoring Locations

Permittee shall take samples and measurements to meet the monitoring requirements at the location indicated below: (Show locations of outfalls with sketch or flow diagram as appropriate).

A REPRESENTATIVE GRAB SAMPLE SHALL BE
TAKEN AS DESCRIBED IN THE INITIAL EFFLUENT
CONDITIONS.



25 Melville Park Rd.

This permit and the authorization to discharge shall expire on midnight
March 10, 1980 . Permittee shall not discharge after the above

(Give Date)

date of expiration. In order to receive authorization to discharge beyond the above
date of expiration, the permittee shall submit such information, forms, and fees
as are required by the Department of Environmental Conservation no later than
180 days prior to the above date of expiration.

By Authority of William L. Garvey, P.E., Director, Bureau of Standards & Compliance
Designated Representative of Commissioner of the
Department of Environmental Conservation

March 10, 1975

Date

Signature

Attachments:

General Conditions
Schedule A
Schedule B

General Conditions

(Part II)

<u>Item</u>	<u>Page</u>
Legislative Requirements	1-2
Reporting of Monitoring Results	2-3
Recording of Monitoring Activities and Results	3-4
Compilation of Monitoring Data	4
Noncompliance with Effluent Limitations	4-5
Prohibition of Bypass of Treatment Facilities	5
Disposal of Collected Solids	5

Legislative Requirements

1. All discharges authorized herein shall be consistent with the terms and conditions of this permit; facility expansions, production increases, or process modifications which result in new or increased discharges of pollutants must be reported by submission of a new SPDES application or, if such new or increased discharge does not violate the effluent limitations specified in this permit, by submission to the permit issuing authority of notice of such new or increased discharges of pollutants (in which case the permit may be modified to specify effluent limitations for any pollutants not identified and limited herein); the discharge of any pollutant not identified and authorized or the discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this permit shall constitute a violation of the terms and conditions of this permit.

2. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;

c. A change in conditions or the existence of a condition which requires either a temporary or permanent reduction or elimination of the authorized discharge.

3. Notwithstanding (2) above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in Section 17-0809 of the Environmental Conservation Law or Section 307(a) of the Act for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee shall be so notified.

4. The permittee shall allow the Commissioner of the Department of Environmental Conservation, the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit;

b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;

c. To inspect at reasonable times any monitoring equipment or monitoring method required in this permit; or

d. To sample at reasonable times any discharge of pollutants.

5. The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

6. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

7. This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

8. For publicly owned treatment works, notice shall be given the Department of Environmental Conservation of any new introduction into such works of pollutants or substantial changes in volume or character of pollutants.

9. For discharges from publicly owned treatment works, appropriate measures will be established by the permittee to insure compliance by industrial users with any system of user charges and recovery of construction costs required under the provisions of the Act.

Reporting of Monitoring Results

(a) Monitoring information required by this permit shall be summarized and reported by submitting a Discharge Monitoring Report form, properly filled in and signed within 28 days after the close of each reporting period, to the Central Office and to the appropriate Regional Office of the Department of Environmental Conservation at the following addresses:

Mr. Russell C. Mt.Pleasant, Chief, Bureau of Monitoring & Surveillance
Room 300
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12201

and

Suffolk County Department of Environmental Control
1324 Motor Parkway
Hauppauge, New York 11787

and

New York State Department of Environmental Conservation
Regional Office # 1
Bldg. 40 - SUNY
Stony Brook, New York 11794

Blank Discharge Monitoring Report Forms are available at the above addresses.

SCHEDULE A

By initiating construction of the approved works, the permittee accepts and agrees to abide by and conform with the following:

1. That upon completion of construction, accurate as-built drawings prepared by a New York State Professional Engineer shall be submitted to the New York State Department of Environmental Conservation and Suffolk County Department of Environmental Control for permanent records showing all pertinent details of the collection, treatment and disposal system including pipe locations and elevations, all plumbing, electrical and mechanical drawings, general layout, equipment design and hydraulic profiles.
2. That acceptance and approval of the waste disposal facility does not constitute approval of the structural stability by the New York State Department of Environmental Conservation or Suffolk County Department of Environmental Control.
3. That if changes are contemplated to the approved plan, such changes shall be submitted in writing to New York State Department of Environmental Conservation and Suffolk County Department of Environmental Control and receive written approval before being initiated.
4. That a comprehensive operating and testing manual shall be provided to the New York State Department of Environmental Conservation and Suffolk County Department of Environmental Control and to the owner to be kept in a satisfactory location at the treatment plant prior to final approval to operate.
5. That a comprehensive equipment maintenance and repair manual shall be provided to the owner prior to final approval to operate.
6. That all equipment warranties shall be properly signed and validated prior to approval to operate.
7. That no industrial wastes, cooling water, or storm drainage shall be allowed to flow to sanitary waste disposal systems.
8. That routine sampling and testing of plant flow shall be performed for the purposes of proper operation control and surveillance in accordance with the permit schedule and that such additional laboratory equipment and testing as may be required by the New York State Department of Environmental Conservation and Suffolk County Department of Environmental Control be supplied and performed.
9. That summary reports of the operation of the treatment works including laboratory tests and measurements of the influent unit effluents and plant effluent and results therefrom shall be submitted to New York State Department of Environmental Conservation and Suffolk County Department of Environmental on forms furnished by or satisfactory to the Departments and that operating records shall be kept at the treatment works.

Reports will be required every 1 months. The first report will be due on May 28, 1975. Thereafter, monitoring report forms shall be submitted no later than the 28th of the following month(s):
Each Month

(b) Each submitted Discharge Monitoring Report shall be signed as follows:

1. If submitted by a corporation, by a principal executive officer of at least the level of vice president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge described in the Discharge Monitoring Report originates;

2. If submitted by a partnership, by a general partner;

3. If submitted by a sole proprietor, by the proprietor;

4. If submitted by a municipality, State or Federal agency; or other public entity, by a principal executive officer, ranking elected official, commanding officer, or other duly authorized employee.

(c) Unless otherwise specified, all information submitted on the Discharge Monitoring Form shall be based upon measurements and sampling carried out during the previous reporting period.

(d) The monitoring reporting requirements stated in this permit shall not supersede or in any way alter existing reporting obligations. Thus, permittees unless specifically directed otherwise shall continue to file their regular monthly Wastewater Treatment Plant operators reports with the appropriate local, state or other agency having jurisdiction.

Recording of Monitoring Activities and Results

(a) The permittee shall make and maintain records of all information resulting from the monitoring activities required by this permit.

(b) The permittee shall record for each measurement or sample taken pursuant to the requirements of this permit the following information: (1) The date, exact place, and time of sampling; (2) The dates analyses were performed; (3) Who performed the analyses; (4) The analytical techniques or methods used; and, (5) The results of all required analyses.

(c) If the permittee monitors any pollutant more frequently than is required by this permit, he shall include the results of such monitoring in the calculation and reporting of the values required in the Discharge Monitoring Report form. Such increased frequency shall be indicated on the Discharge Monitoring Report form.

(d) The permittee shall retain for a minimum of three (3) years all recording activities and results including all records of calibration and maintenance and original strip chart recordings from continuous monitoring instrumentation. This period of retention shall be extended during the course of any litigation regarding the discharge of pollutants by the permittee or when by the Commissioner of the Department of Environmental Conservation or the local Administrator.

Location of Monitoring Data

(a) Samples and measurements taken to meet the monitoring requirements above shall be representative of the volume and nature of the monitored

(b) Following promulgation of guidelines establishing test procedures for analysis of pollutants, published pursuant to Section 304(g) of the Federal Water Control Act, as amended, all sampling and analytical methods used to meet monitoring requirements specified above shall conform to such guidelines. If the 304(g) guidelines do not specify test procedures for any pollutants required to be monitored by this permit and until such guidelines are promulgated, sampling and analytical methods used to meet the monitoring requirements specified in this permit shall, unless otherwise specified by the Commissioner, conform to the latest editions of the following references:

1. Standard Methods for the Examination of Water and Wastewaters, 13th Edition, 1971, American Public Health Association, New York, New York 10019.
2. A.S.T.M. Standards, Part 23, Water; Atmospheric Analysis, 1972, American Society for Testing and Materials, Philadelphia, Pennsylvania 19103.
3. Methods for Chemical Analysis of Water and Wastes, April 1971, Environmental Protection Agency Water Quality Office, Analytical Quality Control Laboratory, NECR, Cincinnati, Ohio 45268.

Compliance with Effluent Limitations

(a) If for any reason the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall immediately notify the Department of Environmental Conservation Regional Office by telephone and provide the following information in writing within 48 hours of such notification:

1. Cause of noncompliance;
2. A description of the noncomplying discharge including its location and flow upon the receiving waters;
3. Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;

4. Steps taken by the permittee to reduce and eliminate the noncomplying discharge; and

5. Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

(b) Permittee shall take all reasonable steps to minimize any advance impact to navigable waters resulting from noncompliance with any effluent limitation specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

(c) Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond his control, such as equipment breakdown, electric power failure, accident, or natural disaster.

Prohibition of Bypass of Treatment Facilities

The diversion or bypass of any discharge from facilities utilized by the permittee to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the terms and conditions of this permit. The permittee shall immediately notify the Department of Environmental Conservation Regional Office in writing of each such diversion or bypass in accordance with the procedure specified for reporting noncompliance.

Disposal of Collected Solids

(a) Intake water treatment. Solids, sludges, dirt, sand, silt, or other pollutants separated from or resulting from treatment of intake or supply water prior to use by the permittee shall be disposed of in such a manner as to prevent any pollutant from such materials from entering classified waters. Any live fish, shellfish, or other animals collected or trapped as a result of intake water screening or treatment may be returned to their water body habitat.

(b) Wastewater treatment. Solids, sludges, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewater shall be disposed of in such manner as to prevent any pollutant from such materials from entering classified waters.

10. That a responsible and reliable operator shall be available on call at all times for immediate response to emergency conditions. The name and emergency phone number of this person shall be permanently posted in clear view of the public at the plant site.
11. That this plant shall be visited each and every day by the certified operator or his properly designated employee and the visit shall include a complete walk-around inspection of all components and every piece of equipment. Required samples shall be taken on schedule and necessary readings recorded. A time log book shall be maintained in good order at the plant giving date, time in, time out, any unusual occurrences and the operator's signature.
12. That should any unusual situation occur caused by a deviation from normal operation and creating a potentially hazardous condition or gross violation, the permittee will immediately notify the New York State Department and Suffolk County Department of Environmental Control when such condition begins and when the condition ceases.
13. That the facilities shall be maintained at all times in a safe, clean, neat, orderly and inoffensive manner, all equipment maintained in optimum operating condition with all necessary tools and spare parts on hand to prevent undue outage.
14. That the waste treatment facility shall at all times be maintained in a safe condition satisfactory to protect the plant employees and the general public from any hazard created by the existence of operation of the treatment facility. Necessary precautions to accomplish this shall include but not be limited to: guardrails, warning signs, color coding and labeling, guards on shafts and other moving parts, safety equipment, proper tools, warning lights and alarms, and backflow prevention devices on potable drinking water supply.
15. That all below or above ground outdoor chemical or waste storage tanks shall be emptied yearly and inspected hydrostatically, visually or both for leaks which might cause undetected groundwater contamination.
16. That leaching beds must be operated on a rotational basis using alternate dosing and drying cycles preventing the long-term ponding of stagnant water and that when the leaching rate declines in a bed it must be immediately removed from service dried, cleaned and regraded.
17. That sludge shall not be allowed to accumulate in any leaching bed or other component of the plant or collection system in sufficient quantity so as to cause decomposition and uncontrolled odor production.

Specialists in the finest industrial quality cutting tools

NEW YORK TWIST DRILL



May 19, 1975

Re. No. 47-0387

RECEIVED
MAY 20 1975
ENVIRONMENTAL QUALITY
REGION 1

SUFFOLK COUNTY DEPARTMENT
of ENVIRONMENTAL CONTROL
1324 Motor Parkway
Hauppauge, New York 11787

Attn: Mr. Strzepek

Dear Mr. Strzepek:

As per our telephone conversation of May 15, 1975 I am outlining methods that we spoke about that might simplify our waste water treatment system.

As you know we have been complying with our water treatment standards quite satisfactory up to now but we do have a difficult time controlling the Barium waste water to acceptable limits. I have therefore reviewed our method of disposal and come up with the following treatment system that will simplify and improve our waste water disposal.

I am enclosing a sketch of our complete facility showing all our waste water piping and tanks etc; as they are now and how they could be used in conjunction with a revised method of disposal.

Proposed Method of Disposal as follows:

1. Store all Barium waste water in tank No. 1 & 2 for removal by an approved scavenger. These two tanks are sealed concrete holding tanks as per drawing enclosed. Capacity of these two tanks combined is 4900 gallons. We dump about 200 gallons/ week.
2. Route all clean cooling water that is not contaminated into leaching pool No. 4 & 5. This water previously mixed with the barium waste water.

Note: We also have a diffusion well that is being used by Heat Treat furnace #2 for cooling water also uncontaminated.

3. Our Cyanide disposal system will remain as is except we

18. That the removal of sludge or other liquid waste from the plant site shall be accomplished by an approved scavenger to an approved site in a manner and at a time so as to minimize any nuisance created by noise or odor. No spillage of waste onto the surface of the ground shall be permitted. Permanent records shall be kept at the plant giving date, time, amount, type and name of scavenger for all waste removed from the plant site.
19. That if a public nuisance situation occurs in the opinion of the permit issuing authority, which is resulting in public complaint due to odor, overflows, spillage of other causes, the owner shall take all feasible action to control the nuisance, and that failure to initiate such action shall be considered as a violation of permit. "Feasible action" includes but is not limited to installation of odor control devices.
20. That if transfer of this permit and its attendant obligations to another permittee is desired, the permittee of record and the assuming permittee shall so petition the New York State Department of Environmental Conservation in writing. Transfer shall become effective on the date prescribed in the written notification of such transfer to be furnished to both the original and the assuming permittees by the New York State Department of Environmental Conservation.
21. That this permit be kept readily available at the treatment facility.

SCHEDULE B

- * Weekly composite shall consist of flow proportional hourly samples taken during actual process operations and combined once a week for analysis, the sample shall be tested in conformance with procedures contained in Section 304 (g) of Federal Water Pollution Control Act.
- ** Parameters which cannot be preserved for several days shall be tested once per week during a period that is representative of actual process conditions.

**Color, Cyanide, Dissolved Oxygen, Phenol, BOD, COD, MBAS (ABS), Coliform

NEW YORK TWIST DRILL

-2-

will pipe to settling tank No. 3 and then to leaching pool No. 6.

We will continue to treat this system as before to the allowable limitations per our permit.

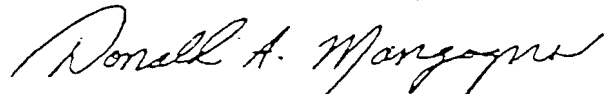
As you can see the main benefit of this system is to eliminate any waste from outfall Number 02 (from discharge permit) and have it taken away and treated by an approved scavenger. I have proposals from a few of these companies and would set up a contract with one if approved.

If this system is approved by Suffolk County it would require some re-piping at our facility as noted on my enclosed drawing.

I feel this system will greatly simplify and improve our wastewater treatment here at New York Twist Drill and I will await your reply and comments.

Very truly yours,

NEW YORK TWIST DRILL CORPORATION



Donald A. Mangogna
Vice President Manufacturing

c: P. Barbato,
NYSDEC

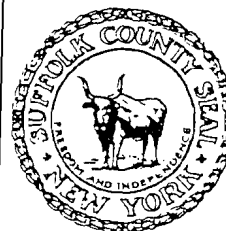
DEFUSION WELL



THE GRASSER

John M. Flynn, P.E.
Commissioner

SUFFOLK COUNTY
DEPARTMENT OF ENVIRONMENTAL CONTROL



1324 Motor Parkway

Hauppauge N. Y. 11787
(516) 234-2622

NOTIFICATION OF UNSATISFACTORY INDUSTRIAL WASTE SAMPLING

Date April 23, 1975

New York Twist Drill
25 Melville Park Rd.
Melville, N.Y. 11746

Gentlemen:

On March 31, 1975 samples of your industrial waste were taken from your final leaching pool. Upon analysis, the following parameters were found to be unsatisfactory:

- | | |
|---------------------|-----|
| 1. Barium - 50 mg/l | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

RECEIVED
APR 29 1975
ENVIRONMENTAL QUALITY
REGION 1

The acceptable limits on each of these parameters according to New York State Groundwater Standards are as follows:

- | | |
|--------------------|-----|
| 1. Barium - 2 mg/l | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

Please see that these conditions are corrected as soon as possible. If you have any questions or need any assistance, please do not hesitate to contact this office.

Very truly yours,

Roy Gilbert

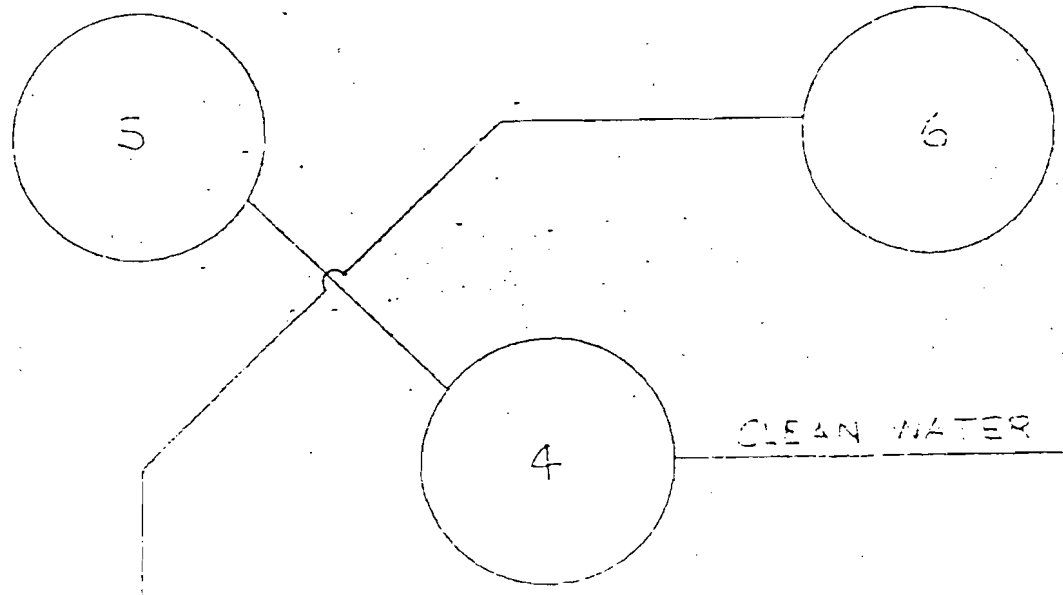
Roy Gilbert
Water Pollution Control Section
RG/rt

CC: P. BARBATO, NYSDEC

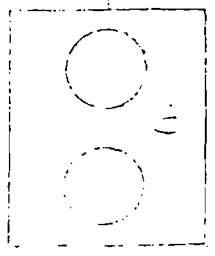
REVISIONS		DATE	APPROVED
DESCRIPTION			
LTR			

LEACHING POOL
(CLEAN WATER ONLY)

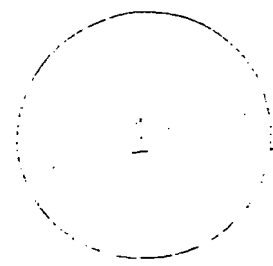
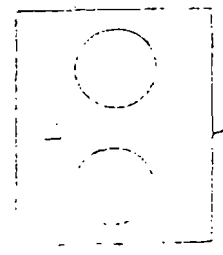
LEACHING POOL
(TREATED CYANIDE)



GRINDING TANK
2500 GAL.
(TREATED CYANIDE)



CLEAN WATER ONLY

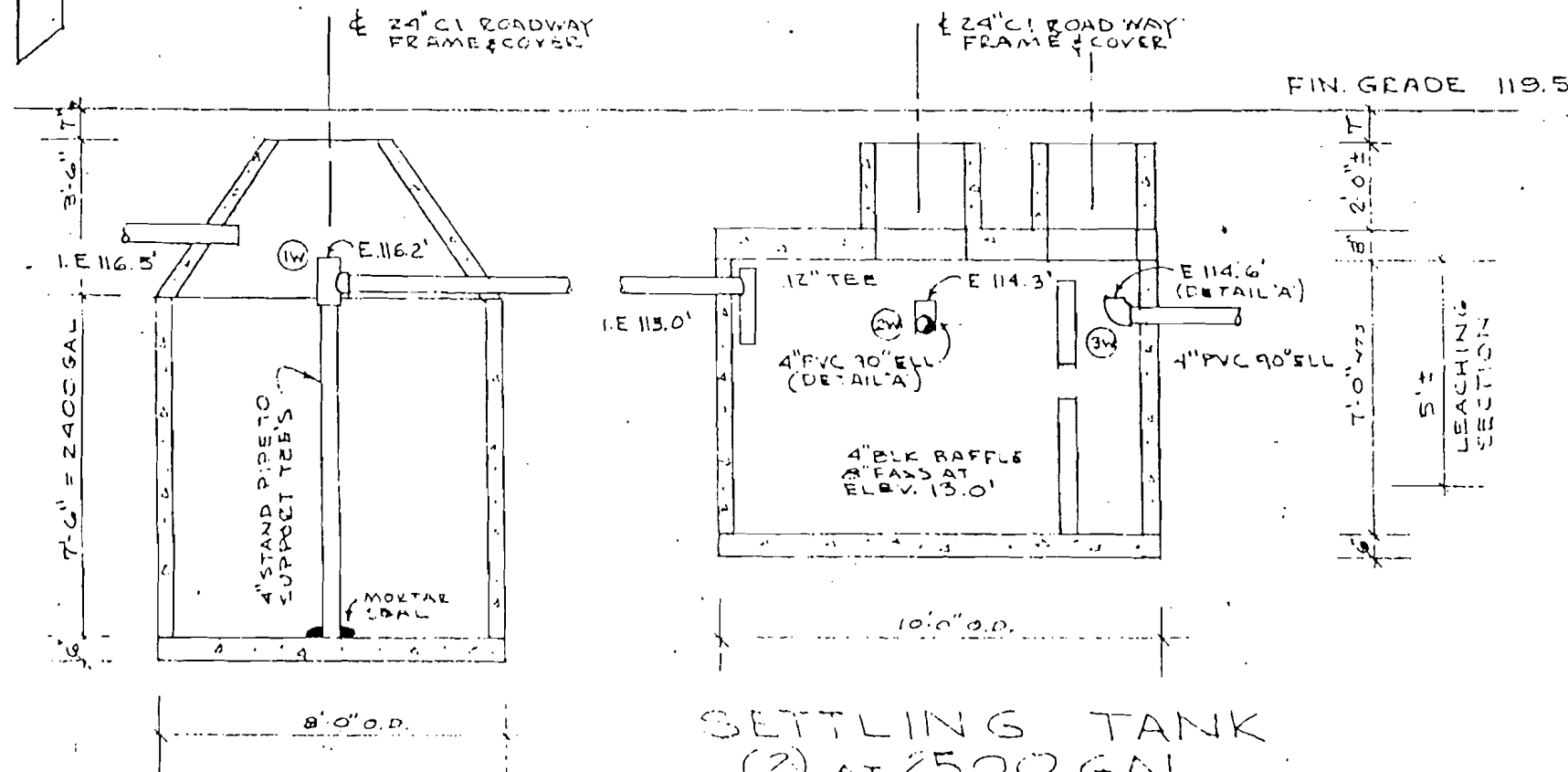
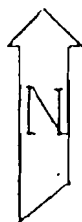


CONCENTRATOR
TANK
2500 GAL.

- FIBERGLASS LINED HOLDING TANK - 2500 GAL.
 (BARIUM STORAGE - 4300 GAL.)

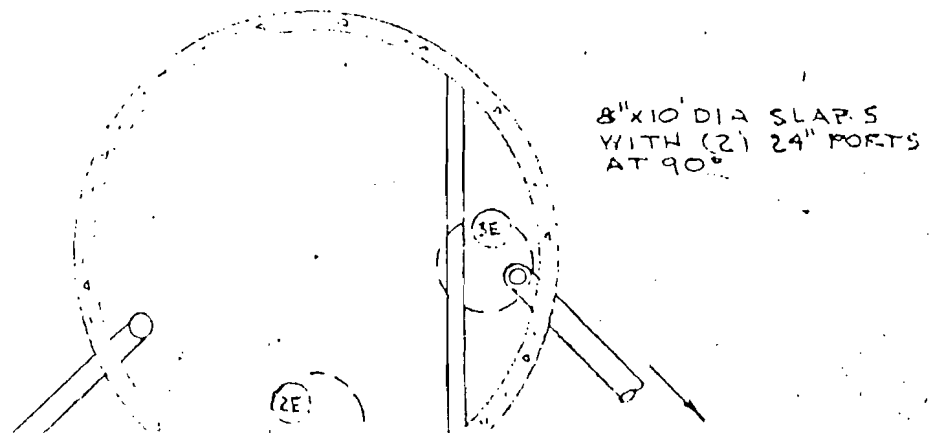
TOLERANCES UNLESS OTHERWISE SPECIFIED		NEW YORK TWIST DRILL	
FRACTIONS	DEC	PROPOSED WASTE WATER DISTRIBUTION SYSTEM	
±	±	SCALE	DRAWING NO.
APPROVALS	DATE	NONE	C
DRAWN	5-9-75		
CHECKED			
		DO NOT SCALE DRAWING	
		SHEET	

1 of 2



SETTLING TANK
(2) AT 2500 GAL.

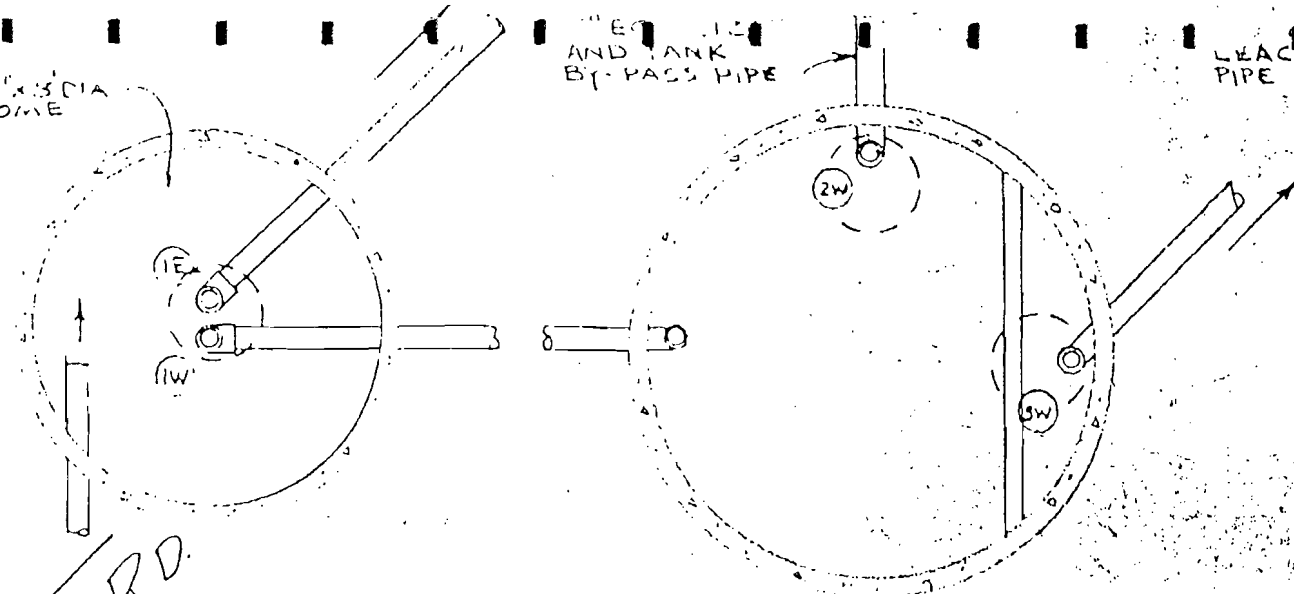
BLENDING TANK
2400 GAL.



1" X 3" DIA
DOME

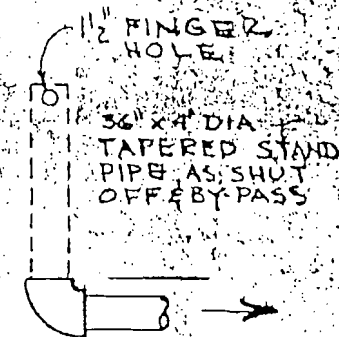
1" DIA
AND TANK
BY-PASS PIPE

LEACHING POOLS
PIPE SLOPE 1/8" / FT



SECTION

FLOW LEVEL



DETAIL 'A'
PROVIDE SIX UNITS

NOTE

ALL PRECAST MATERIAL SHALL BE 4000 PSI
AS MANUF. BY CLIFF CARLSON & SONS

PIPES TO BE PVC OR AC WITH TAPERED
JOINT FITTINGS, 4" DIA.

TANK TO BE SET AS SHOWN FOR INDIVIDUAL
SERIES, & PARALLEL FLOW

LEACHING BASED ON 4,440 GPD @ 6 GPD/S.F. 740 S.F.
(3) POOLS 10'-0" EFF. DEPTH X 8' DIA = 750 S.F.

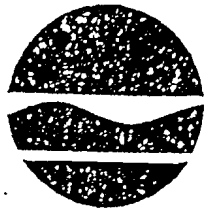
NEW YORK TWIST DRILL
MELVILLE, N.Y.

SCALE: 1/4" = 1 FT	APPROVED BY	DRAWN BY
DATE: 6-66		
BENSIN AND BURNS		
BETHPAGE, N.Y.		DRAWING NUMBER 1 OF 2

1995'
MAXESS RD.

1/72 REVISION

New York State Department of Environmental Conservation
Building 40, SUNY at Stony Brook
Stony Brook, New York 11794



Ogden Reid,
Commissioner

June 13, 1975

Mr. R.E. Strzepek
Water Pollution Control Section
Suffolk County Dept. of Environmental Control
1324 Motor Parkway
Hauppauge, New York 11787

RE: New York Twist Drill Corp.

Dear Rich,

In response to your letter, subject as above, and our subsequent conversation, request you prepare a revised permit to reflect Mr. Mangogna's proposed disposal system. This office has no objection to the proposal.

Please route the revision through this office for forwarding to the Albany permit section and official permit modification through that office.

Thanks for your assistance in this matter.

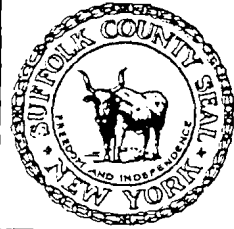
Sincerely,

Phil
Philip Barbato
Asst. Sanitary Engineer

PB:rja
cc: D. Moran

John M. Flynn, P.E.
Commissioner

SUFFOLK COUNTY
DEPARTMENT OF ENVIRONMENTAL CONTROL



1324 Motor Parkway

Hauppauge N. Y. 11787
(516) 234-2622

May 29, 1975

Mr. P. Barbato
Region I - Bldg. 40
N.Y.S. Dept. of Environmental Conservation
State University at Stony Brook
Stony Brook, N.Y. 11794

Re: New York Twist Drill Corp.
SPDES Permit No. NY 007 5515
(Regional File # 47-0387)

Dear Phil:

In the past, New York Twist Drill had been discharging their treated cyanide waste water, barium waste water and cooling water into a combined disposal system. When the SPDES draft was written, the time for an "engineering" report, etc. was put in to allow the company time to come up with a proposal for separation of the cooling water.

This company has been monitoring for a number of years and we have had no major problem with them.

In addition to the above, on March 31, 1975 we sampled the effluent and found 50 mg/l barium. They now have a second problem.

You should have received a copy of the proposed solution to these problems as presented by Mr. Mangogna of New York Twist Drill. I feel his proposal is acceptable and will satisfy the requirements of N.Y.S.D.E.C. If you find his proposal acceptable, then a revised permit could be prepared by me to reflect the changed situation.

If you have any questions please call.

Very truly yours,

Richard E. Strzepek
Ass't. San. Engineer
Water Pollution Control Section
RES/rt
cc: D. Mangogna
New York Twist Drill Corp.

12 May 75

#387

N.Y. Twist Drill

Don Mangona

293-9200

Engineering Report?

1300 gal / 3 wks

CN

Barium salt } got recent unscr report from SDEC

Talked with Rich - said he would contact Mangona by phone &

possibly re-visit

Will send letter to Rich explaining procedures

- Probably hold & haul barium waste (200 gal/wk)

- Continue to treat CN waste & discharge to existing leaching pools

(4/7/1)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

TRANSMITTAL SLIP

7

FROM

DATE

MAN SZE TO - SPDES SECTION

DENNIS MORAN - REG. I

8/5/75

NEW YORK TWIST DRILL #007 5515 47-0387

PLEASE MODIFY THE FINAL EFFLUENT LIMITATION & MONITORING LOCATION

PAGES PER THE ATTACHED SHEETS.

FOR ACTION AS INDICATED:

☐ Please Handle

☐ Prepare Reply

☐ Prepare Reply for _____
Signature

☐ Information

☐ Approval

☐ Prepare final/draft in _____ copies

☐ Comments

☐ Signature

☐ File

☐ Return to me

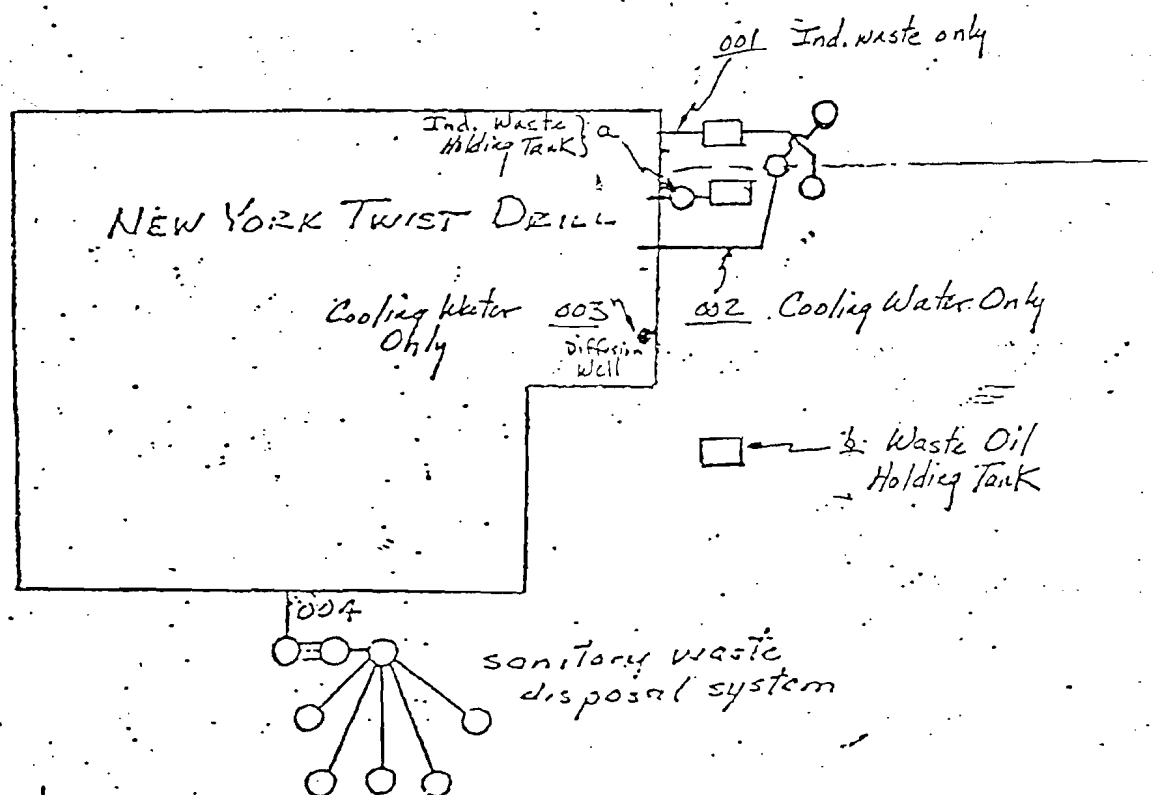
☐ _____

☐ _____

Monitoring Locations

Permittee shall take samples and measurements to meet the monitoring requirements at the location indicated below: (Show locations of outfalls with sketch or flow diagram as appropriate).

A REPRESENTATIVE GRAB SAMPLE SHALL BE TAKEN AS DESCRIBED IN THE INITIAL EFFLUENT CONDITIONS.



25 Melville Park Rd.



DB

New York State Department of Environmental Conservation
Building 40, State University of New York, Stony Brook, N.Y. 11790

James L. Biggane,
Commissioner

Robert A. Cook
Regional Director

July 15, 1975

Mr. Donald Mangogna
New York Twist Drill
25 Melville Road
Melville, N.Y. 11746

RE: SPDES Permit No. NY0075515
Ref. No. 47-0387

Dear Mr. Mangogna:

Enclosed herewith for your use are S.P.D.E.S. industrial discharge monitoring report forms. It is a requirement of the permit to sample all parameters listed under effluent limitations. Please include data on total suspended solids and iron.

If you have any questions on the reporting procedures, feel free to contact me at 516-751-7900.

Sincerely,

Dennis Moran

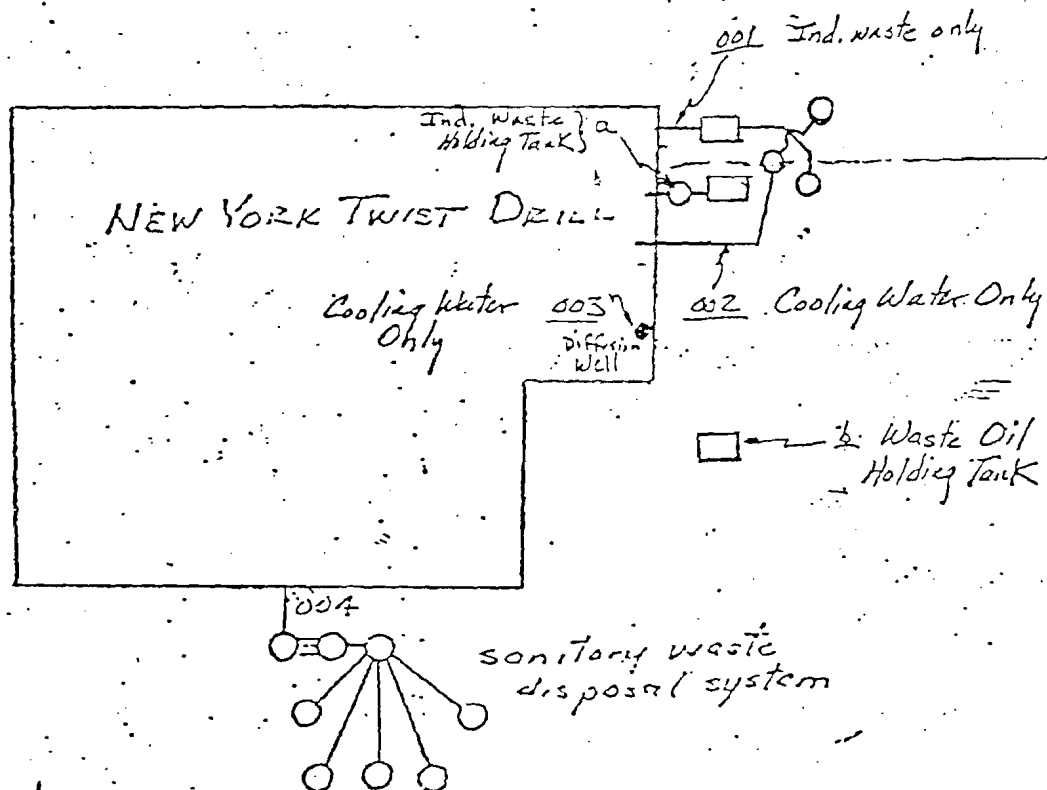
Dennis Moran, P.E.
Senior Sanitary Engineer

DM:rja
cc: A. Yerman
P. Barbato

Monitoring Locations

Permittee shall take samples and measurements to meet the monitoring requirements at the location indicated below: (Show locations of outfalls with sketch or flow diagram as appropriate).

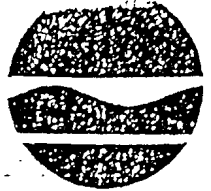
A REPRESENTATIVE GLASS SAMPLE SHALL BE
TAKEN AS DESCRIBED IN THE INITIAL EFFLUENT
CONDITIONS.



25 Melville Park Rd.

New York State Department of Environmental Conservation

Building 40, SUNY at Stony Brook
Stony Brook, New York 11794



Ogden Reid,
Commissioner

DM /
PB /

June 13, 1975

Mr. R.E. Strzepek
Water Pollution Control Section
Suffolk County Dept. of Environmental Control
1324 Motor Parkway
Hauppauge, New York 11787

RE: New York Twist Drill Corp.

Dear Rich,

In response to your letter, subject as above, and our subsequent conversation, request you prepare a revised permit to reflect Mr. Mangogna's proposed disposal system. This office has no objection to the proposal.

Please route the revision through this office for forwarding to the Albany permit section and official permit modification through that office.

Thanks for your assistance in this matter.

Sincerely,

Philip Barbato
Asst. Sanitary Engineer

PB:ria
cc: D. Moran

DM
DB

August 20, 1975

RECEIVED
AUG 23 1975

ENVIRONMENTAL QUALITY
REGION 1

New York Twist Drill
25 Melville Park Road
Melville, New York 11746

Attn: Donald Mangagna, V.P.

Re: Modified SPDES Permit
NY-C075515 (R.O. Ref. #47-0387)
New York Twist Drill
Huntington (T), Suffolk County

Dear Sir:

This is to advise you that the subject SPDES permit has been revised as indicated in the enclosed Final Effluent Limitations page, Schedule of Compliance page and Monitoring Locations page.

Very truly yours,

George K. Hansen, P.E.
Chief, P.D.E.S. Permit Section
Division of Pure Waters

Enclosure
cc: Region #1 ✓
Suffolk Co. Dept. of Env. Control
Bur. of Industrial Programs
Bur. of Monitoring & Surveillance

sample

INDUSTRIAL WASTE INSPECTION SHEET

Company Name: N.Y. Twist Drill

Address: 25 Melville Park Rd. Melville

Permit No.: _____ Date of Inspection: 10-31-79

Name and Title of Contact: D. Mangogna, Tom Holgan

1. Equipment Condition: _____

2. Name of Scavenger Patterson, N.Y. Park

Pick-up Records Consistent with Expected Waste Generation?

Yes/No _____ If no, Explain Park - 6121 gal - 7-76

Patterson - waste oil - cutting - 8000 - 11-22-78

3. Misc.: _____

Backflow Prevention - no running rinses

High Level Alarms - no - VISUAL observation

Storage Conditions - empty drum storage in delivery area

Waste Handling adequate? no

Permit Diagram & Discharge Points Correct? no

4. Processes Discharging Waste not Noted on Permit, Previous Inspections or Engineering Reports none

2 inside lube + cutting oil recirc tanks - indoor waste oil drain to holding tank outside

5. Comments: - receive cutting oil - filtered - added to

as contents evaporate -

8000 gal of water soluble oil contained

inside Bldg - scavenged

nitrate process (cyanide salt) -> nitrate wash

1 A-R Stripper (process) Alkaline H₂O

1 used for poor lot - rust remover

degreasers Barium salt process wash

Chloroethane NG (Pride Solvents)

or Allied Keltex - iso prep - 150 gal/day to

waste holding tank

just acquired - new bldg across st. - no wet

No. of Photos Taken: _____

processes - not moved in yet

Sig. of Company Representative:

Donald Mangogna

Sig. of Inspector:

Eileen Joverale

FRANK PANDALL

RESPONDENT PAID \$1,000 FINE

RECEIVED

DEC 28 1979

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

In the Matter of the Alleged Violation of
Parts 211 and 257 of Title 6 of the New York
Codes, Rules and Regulations, by

NEW YORK TWIST DRILL CORP.

(Suffolk County)

Respondent

ORDER ON CONSENT

FILE NO. 1-0375

WHEREAS, the New York State Department of Environmental Conservation has documented instances of emissions in excess of those permitted in Parts 211.2 and 257-1.4(b) of 6 NYCRR; and

WHEREAS, the Respondent has affirmatively waived its right to a public hearing in this matter in the manner provided by law and having consented to the entering and issuing of this Order, pursuant to the provisions of Article 19 of the New York State Environmental Conservation Law and agrees to be bound by the terms and conditions contained therein;

NOW, having considered this matter and being duly advised, it is

ORDERED, that with respect to the aforesaid violation, there is hereby imposed upon Respondent, a penalty payable to the Department upon execution of this Order, in the sum of One Thousand (\$1,000) Dollars; and it is further

ORDERED, that Respondent shall adhere strictly to the terms and conditions set forth in the annexed Compliance Schedule, known as Schedule A; and it is further

ORDERED, that in those instances in which the Respondent desires that any of the provisions, terms and conditions of this Order be changed, it shall make written application, setting forth the grounds for the relief sought, to the Commissioner, c/o Joan B. Scherb, Regional Attorney, Building 40, S.U.N.Y., Stony Brook, New York 11794; and it is further

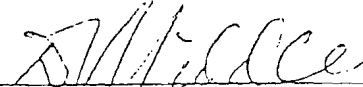
ORDERED, that any change in this Order shall not be made or become effective, except as specifically set forth by written order of the Commissioner, such written order being made either upon written application of Respondent, or upon the Commissioner's own findings; and it is further

ORDERED, that this Order shall be deemed to bind Respondent, its successors and assigns and all persons, firms and corporations acting under or for it, including, but not limited to those who may carry on any or all of the operations now being conducted by Respondent, whether at the present location or any other in New York State, or who shall have any interest, financial or otherwise, in the conduct of such operations.

Dated: Albany, New York
1979

ROBERT F.. FLACKE
Commissioner of
Environmental Conservation

By


DONALD J. MIDDLETON
Regional Director

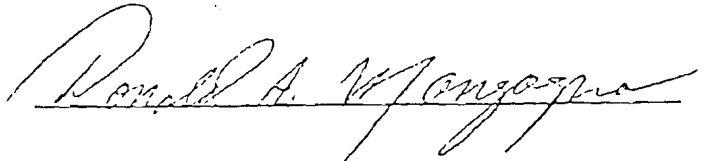
To: New York Twist Drill
25 Melville Park Road
Melville, New York 11746

CONSENT BY RESPONDENT

Respondent acknowledges the authority and jurisdiction of the Commissioner of Environmental Conservation of the State of New York to issue the foregoing Order, waives public hearing or other proceedings in this matter, accepts the terms and conditions set forth in the Order and consents to the issuance thereof.

NEW YORK TWIST DRILL CORP.

By




STATE OF NEW YORK)

SS.:

COUNTY OF SUFFOLK)

On the 6TH day of DECEMBER 1979, before me personally came DONALD A. MANCUCHA to me known, who being duly sworn, deposed and said that he resides at 16 BREEZY HILL DR. FT. SAUNCE NY that he is the VICE PRESIDENT of Respondent Corporation and that he signed his name on behalf of said corporation with full authority so to do.


NOTARY PUBLIC

PETER C. ACEVEDO
Notary Public, State of New York
No. 30-5011814
Qualified in Nassau County
Commission Expires March 30, 1982

COMPLIANCE SCHEDULE FOR
NEW YORK TWIST DRILL CORP.

SCHEDULE A

Immediately,
and at all times hereafter,

Respondent shall inspect the
Wheelabrator emission weekly
and shall keep a log of the
condition of the equipment
on the Wheelabrator emission.

Immediately,
and at all times hereafter,

Respondent shall change any
filter on said emission point
whenever an inspection shall
indicate that the filter is
worn or in need of replacement.

Envel
Epil

Sample

NAME OF FACILITY	NY Twist Drill Inc.		OWNER/OFFICER	
CITY NY			CONTACT	Tom Holgan
PLANT ADDRESS	536 Broad hollow Rd	VILLAGE	Melville	TOWN
MAILING ADDRESS				ZIP

DATE 8/28/80 TIME ORIG. X PERIODIC RE. WASTE NO WASTE H.A.H. X

NAME OF PROCESS: machining

SPDES OR NPDES PERMIT? YES NO PERMIT NO. 160 PERMIT? YES NO PERMIT NO.

SCAVENGER Prick Chemicals TEL.

SCAVENGER APPROVED. YES NO PICK UP RECORDS AVAILABLE. YES NO RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION. YES NO

STORAGE CAPACITY: WASTE MATERIALS.	RAW MATERIALS.
------------------------------------	----------------

YES <u> </u> ON SITE WASTE MATERIALS.	RAW MATERIALS.
--	----------------

STORAGE FACILITIES: ENCLOSED X DRYED CHEMICAL RESISTANT PAD FLOOR DRAINS STRUCTURALLY LEAK TIGHT

PROCESS	DISCHARGE	DISCHARGED TO	DISCHARGE POINT
---------	-----------	---------------	-----------------

machine oils, cutting & regular waste oil drummed & sent to main plant where it is filtered. Filtered oil from main plant used here.

installing furnace for heat treating → no chemicals to be. Isorethane in oil - used to degrease parts prior to heat H+H used in conjunction

wash up sink in production area - clean -

caged storage area out back - several full drums roofing main plant 25-Melville Park Rd. Melville, would have all scavenger receipts

chips stored inside -

VIOLATIONS FOUND

THE FACILITY OPERATOR:

GROUNDWATER IS SUFFOLK COUNTY'S ONLY SOURCE FOR DRINKING WATER. INDUSTRIAL WASTES DISCHARGED ON TO THE GROUND OR INTO
 (S) OR RETURN DRAINING MAY RENDER THIS VALUABLE RESOURCE UNFIT FOR HUMAN CONSUMPTION WITH SOLVENTS, OILS AND OTHER TOXIC AND
 HAZARDOUS MATERIALS. PROTECTION OF SURFACE AND GROUNDWATERS IN SUFFOLK COUNTY FROM INDUSTRIAL POLLUTION IS PROVIDED FOR BY THE NEW
 YORK STATE ENVIRONMENTAL CONSERVATION LAW, THE SUFFOLK COUNTY SANITARY CODE, AND THE NEW YORK STATE NAVIGATION LAW.
 PLEASE NOTE THE PENALTY FOR ANY VIOLATIONS OF ONE OR MORE OF THE ABOVE CODES OR LAWS, WHICH WERE FOUND ON THIS DATE
 IS \$10,000 AT YOUR FACILITY. SINCE THESE VIOLATIONS MAY RESULT IN LEGAL ACTION IT IS IMPERATIVE THAT IMMEDIATE CORRECTIVE ACTION BE
 TAKEN BY YOUR FACILITY.

VIOLATION NO.	DATE CORRECTED
RESULTS	1. DISCHARGING INDUSTRIAL WASTE WITHOUT A VALID STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) PERMIT. (CORRECTIVE ACTION - "A" OR "B") (A) CEASE ALL DISCHARGE. INITIATE A CLOSED LOOP SYSTEM OF OPERATION AT YOUR FACILITY. ANY WASTE GENERATED TO BE HELD AND HAULED BY A LICENSED INDUSTRIAL WASTE SCAVENGER. OBTAIN AN INDUSTRIAL WASTE HOLDING PERMIT. (B) IF YOU WISH TO MAINTAIN AN INDUSTRIAL DISCHARGE: 1. THE DISCHARGE MUST BE TREATED IF NECESSARY TO MEET N.Y. STATE EFFLUENT STANDARDS. 2. APPLY FOR AND OBTAIN A SPDES PERMIT. ALL FOUR COPIES OF PERMIT APPLICATION TO BE FILLED OUT AND SUBMITTED WITHIN 30 DAYS. ALSO INCLUDE A PLANT PLAN SHOWING ALL PLANT DISCHARGES AND POINTS TO WHERE ALL DISCHARGES ARE ROUTED. (CESSPOOLS, STORM DRAINS, ETC.) 2. STORING OR HOLDING INDUSTRIAL WASTE WITHOUT A VALID INDUSTRIAL WASTE STORAGE PERMIT. (CORRECTIVE ACTION - APPLY FOR AND OBTAIN AN INDUSTRIAL WASTE STORAGE PERMIT.)
ASTHMA DISPOSAL	3. RELEASING TOXIC OR HAZARDOUS WASTES TO ANYONE OTHER THAN A LICENSED INDUSTRIAL WASTE SCAVENGER. (CORRECTIVE ACTION - OBTAIN THE SERVICES OF A LICENSED INDUSTRIAL WASTE SCAVENGER AND NOTIFY THIS DEPARTMENT, IN WRITING, WITHIN 14 DAYS OF SCAVENGER SELECTED.) 4. PICKING UP, TRANSPORTING, OR DISPOSING OF TOXIC OR HAZARDOUS WASTE WITHOUT A VALID N.Y. STATE INDUSTRIAL WASTE COLLECTOR REGISTRATION. 5. SCAVENGER PICK UP RECEIPTS NOT AVAILABLE AT TIME OF INSPECTION. (CORRECTIVE ACTION - SCAVENGER PICK UP RECEIPTS LISTING VOLUME, TYPE OF MATERIAL PICKED UP, AND DATE OF PICK UP MUST BE KEPT ON THE PREMISES AND MADE AVAILABLE TO REPRESENTATIVES OF THIS DEPARTMENT UPON REQUEST.)
FILLS	6. FAILURE TO REPORT A TOXIC OR HAZARDOUS MATERIAL SPILL WITHIN 2 HOURS OF SPILL DETECTION. (ANY UNAUTHORIZED DISCHARGE, SPILL OR NEGOTIABLE LOSS OF TOXIC OR HAZARDOUS WASTE SHALL BE REPORTED TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES, AND ANY OTHER REQUIRED AGENCY, WITHIN 2 HOURS OF SPILL DETECTION.)
ASTHMA'S EXHAUSTS PAGE	7. STORAGE: DRUMS, TANKS, CONTAINERS, USED FOR THE STORAGE OR HANDLING OF TOXIC OR HAZARDOUS WASTE MUST: (A) NOT STORED IN A WAY THAT WILL PREVENT THE RELEASE OF THE CONTENTS OF THE CONTAINERS TO THE GROUND OR SURFACE WATERS. (B) NOT STORED INDOORS. (NOTE - IF INDOOR STORAGE IS PROHIBITED BY PERMANENT FIRE REGULATIONS THEN SUCH PROHIBITION SHOULD BE SUBMITTED TO THIS DEPARTMENT, IN WRITING, SIGNED BY THE LOCAL FIRE COMMISSIONER.) (C) NOT STORED ON AN IMPERVIOUS, CHEMICAL RESISTANT SURFACE COMPATIBLE WITH THE MATERIAL BEING STORED. (D) STORAGE AREA NOT COMPLETELY ENCLOSED WITH A PERMANENT DIKE OF IMPERMEABLE CONSTRUCTION, AND CAPABLE OF PROVIDING A SPILL CONTAINMENT CAPACITY OF 110% OF THE VOLUME OF STORED MATERIAL. (E) NOT STORED PROTECTED FROM VANDALISM, UNAUTHORIZED ACCESS AND / OR RUSTING, FREEZING, AND OTHER WEATHER RELATED DAMAGE.

All oils & solvents stored inside, including empties - no problems noted.

Left copy article 12.

Storage room outside - more than 10 full drums - need engineer's blueprint for Bldg (note article 12 reqs.)

no problems noted at this time

if you need further information, call Al Santino 234-2622, or myself

Sample

Richard has receipts

NAME OF FACILITY <u>New York Twist Drill</u>		OWNER/OFFICER	
COMPANY NAME		CONTACT <u>John Patis, fac mgr.</u>	TEL.
PLANT ADDRESS <u>25 Melville Park Rd</u>		VILLAGE <u>Melville</u>	TOWN
MAILING ADDRESS			ZIP
DATE <u>9/2/80</u>	TIME	ORIG. <u>PERIODIC</u> <input checked="" type="checkbox"/> RE. <u>3</u>	WASTE <input checked="" type="checkbox"/> NO WASTE <input type="checkbox"/> H.W.
NOMINAL PROCESS: <u>machining</u>			
STOPS OR WASTES PERMIT? <u>YES</u> <input type="checkbox"/> <u>NO</u> <input type="checkbox"/> PERMIT NO.		160 PERMIT <u>YES</u> <input type="checkbox"/> <u>NO</u> <input type="checkbox"/> PERMIT NO.	
SCRAPER <u>Patterson</u>		TEL.	
SCAVENGER APPROVED. <u>YES</u> <input type="checkbox"/> <u>NO</u> <input type="checkbox"/>	PICK UP RECORDS AVAILABLE. <u>YES</u> <input type="checkbox"/> <u>NO</u> <input type="checkbox"/>	RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION. <u>YES</u> <input type="checkbox"/> <u>NO</u> <input type="checkbox"/>	
STORAGE CAPACITY: WASTE MATERIALS.		RAW MATERIALS. <u>10,000 gal heating oil</u> <u>1-6000 gal machine oil</u> <u>1-3000 gal machine oil</u>	
WASTE ON SITE: WASTE MATERIALS.		RAW MATERIALS.	

STORAGE FACILITIES: ENCLOSED ☒ DIRTED ☐ CHEMICAL RESISTANT PAD ☐ FLOOR DRAINS ☐ STRUCTURALLY LEAK TIGHT ☐

PROCESS	DISCHARGE	DISCHARGED TO	DISCHARGE POINT
<u>machine oil</u>	<u>recirc tanks</u>	<u>(62) steel tanks in concrete pit</u>	
<u>barium waste</u>	<u>1-2400 gal ; 1-2500 gal</u>		
<u>cooling water</u>	<u>still discharging, no additives, plan to recirc. within next 6 mos (?)</u>		
<u>Boilers - Blow down</u>	<u>(Tom Holger)</u>	<u>no floor drains</u>	
<u>Solvent cleaning</u>	<u>no plumbing to waste oil holding tank</u>		
<u>new storm drains</u>	<u>put in on grass area (east side)</u>		
<u>waste oil holding tank</u>	<u>concrete, no liner (capacity?)</u>		

Bay waste oil

Barium
cooling
(90%)

VIOLATIONS (CONT'D)

1. THE FACILITY OPERATOR:

GROUNDWATER IN SUFFOLK COUNTY FROM SUCH SOURCE FOR DRINKING WATER. INDUSTRIAL WASTES DISCHARGED ON TO THE GROUND OR INTO
 LAKES OR STREAMS MAY RENDER THIS VALUABLE RESOURCE UNSAFE FOR HUMAN CONSUMPTION WITH SOLVENTS, OILS, AND OTHER TOXIC AND
 LAMINAR MATERIALS. PROTECTION OF SURFACE AND GROUNDWATER IN SUFFOLK COUNTY FROM INDUSTRIAL POLLUTION IS PROVIDED FOR BY THE NEW
 YORK STATE ENVIRONMENTAL CONSERVATION LAW, THE SUFFOLK COUNTY SANITARY CODE, AND THE NEW YORK STATE NAVIGATION LAW.
 PLEASE NOTE THE TERMS CHARGED BELOW ARE VIOLATIONS OF ONE OR MORE OF THE ABOVE ORDINANCES OR LAWS, WHICH WERE FOUND ON THIS DATE
 AT YOUR FACILITY. SINCE THESE VIOLATIONS MAY RESULT IN LEGAL ACTION IT IS IMPERATIVE THAT IMMEDIATE CORRECTIVE ACTION BE
 TAKEN BY YOUR FACILITY.

SECTION NO.	DATE	CORRECTED
1.	DISCHARGING INDUSTRIAL WASTE WITHOUT A VALID STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) PERMIT. (CORRECTIVE ACTION - "A" OR "B")	
(A)	CEASE ALL DISCHARGE. INITIATE A CLOSED LOOP SYSTEM OF OPERATION AT YOUR FACILITY. ANY WASTE GENERATED TO BE KEPT AND HAULED BY A LICENSED INDUSTRIAL WASTE SCAVENGER. OBTAIN AN INDUSTRIAL WASTE HOLDING PERMIT.	
(B)	IF YOU WISH TO MAINTAIN AN INDUSTRIAL DISCHARGE:	
1.	THE DISCHARGE MUST BE TREATED IF NECESSARY TO MEET N.Y. STATE EFFLUENT STANDARDS.	
2.	APPLY FOR AND OBTAIN A SPDES PERMIT. ALL FOUR COPIES OF PERMIT APPLICATION TO BE FILLED OUT AND SUBMITTED WITHIN 30 DAYS. ALSO INCLUDE A PLOT PLAN SHOWING ALL PLANT DISCHARGES AND POINTS TO WHERE ALL DISCHARGES ARE ROUTED. (CERSTPOOLS, STORM DRAINS, ETC.)	
2.	STORING OR HOLDING INDUSTRIAL WASTE WITHOUT A VALID INDUSTRIAL WASTE STORAGE PERMIT. (CORRECTIVE ACTION - APPLY FOR AND OBTAIN AN INDUSTRIAL WASTE STORAGE PERMIT.)	
3.	RELEASING TOXIC OR HAZARDOUS WASTES TO ANYONE OTHER THAN A LICENSED INDUSTRIAL WASTE SCAVENGER. (CORRECTIVE ACTION - OBTAIN THE SERVICES OF A LICENSED INDUSTRIAL WASTE SCAVENGER AND NOTIFY THIS DEPARTMENT, IN WRITING, WITHIN 14 DAYS OF SCAVENGER SELECTED.)	
4.	PICKING UP, TRANSPORTING, OR DISPOSING OF TOXIC OR HAZARDOUS WASTE WITHOUT A VALID N.Y. STATE INDUSTRIAL WASTE COLLECTOR REGISTRATION.	
5.	SCAVENGER PICK UP RECEIPTS NOT AVAILABLE AT TIME OF INSPECTION. (CORRECTIVE ACTION - SCAVENGER PICK UP RECEIPTS LISTING VOLUME, TYPE OF MATERIAL PICKED UP, AND DATE OF PICK UP MUST BE KEPT ON THE PREMISES AND MADE AVAILABLE TO REPRESENTATIVES OF THIS DEPARTMENT UPON REQUEST.)	
6.	FAILURE TO REPORT A TOXIC OR HAZARDOUS MATERIAL SPILL WITHIN 2 HOURS OF SPILL DETECTION. (ANY UNAUTHORIZED DISCHARGE, SPILL OR RECOGNIZABLE LOSS OF TOXIC OR HAZARDOUS WASTE SHALL BE REPORTED TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES, AND ANY OTHER REQUIRED AGENCY, WITHIN 2 HOURS OF SPILL DETECTION.)	
7.	STORAGE: DRUMS, TANKS, CONTAINERS, USED FOR THE STORAGE OR HANDLING OF TOXIC OR HAZARDOUS WASTE FOUND:	
(A)	NOT STORED IN A WAY THAT WILL PREVENT THE RELEASE OF THE CONTENTS OF THE CONTAINERS TO THE GROUND OR SURFACE WATERS.	
(B)	NOT STORED INDOORS. (NOTE- IF INDOOR STORAGE IS PROHIBITED BY PERTINENT FIRE REGULATIONS THEN SUCH PROHIBITION SHOULD BE SUBMITTED TO THIS DEPARTMENT, IN WRITING, SIGNED BY THE LOCAL FIRE COMMISSIONER.)	
(C)	NOT STORED ON AN IMPERVIOUS, CHEMICAL RESISTANT SURFACE COMPATIBLE WITH THE MATERIAL BEING STORED.	
(D)	STORAGE AREA NOT COMPLETELY ENCLOSED WITH A PERMANENT DIKE OF IMPERMEABLE CONSTRUCTION, AND CAPABLE OF PROVIDING A SPILL CONTAINMENT CAPACITY OF 100% OF THE VOLUME OF STORED MATERIAL.	
(E)	NOT STORED PROTECTED FROM VANDALISM, UNAUTHORIZED ACCESS AND / OR RUSTING, FREEZING, AND OTHER WEATHER RELATED DAMAGE.	

no changes at this facility,
 no problems noted.

Left copy article 12 with explanation:

Requested co keep records of scavenger pickups available for our inspections

Please send copies to our office:

Eileen Governale, Hazardous Materials Control Section
 65 Jetson La. Hauppauge 11797

3. PERMISSION GRANTED BY THIS FACILITY ON THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF CERSTPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY? ☒ YES. ☐ NO.

INSPECTION CONDUCTED ON OR AFTER _____ . FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE _____
 RESULT IN A HEARING AND / OR FINE _____

BY OR BEHALF OF

[Signature]

[Signature: Eileen Governale]

To: Gordon

NY Trust Dril

See ATTACHED Inspection 5-14-81 & Diagram

On 5-14-81 I attempted to verify the data on

the Draft SPSs Application of NY Trust Dril, however, several data differences were noted:

① The attached SPSs outfall diagram does not accurately

represent the existing building & tanks. A diagram

showing the present condition & placement of pools, drains

& tanks should be provided.

② The existing treatment plant should be located in the

schematic.

③ It would also be helpful in the layout diagram

supplied in the SPSs could ^{show} the general

floor layout in the building. At NY Trust there are

separate water recycling systems ^{for} the locations

of these recycling pumps & filters would be helpful.

④ The SPSs diagram should also locate all storm drains

+ Manholes along Sullivan Drive the buildings within 100 ft.

⑤ It was noted in this inspection in a leaching pool

which was designed as an overflow non-contact

cooling water. The source was apparently either a sink in

the boiler room or heat treatment room within in adjacent

had some material poured down it. I feel that these sink

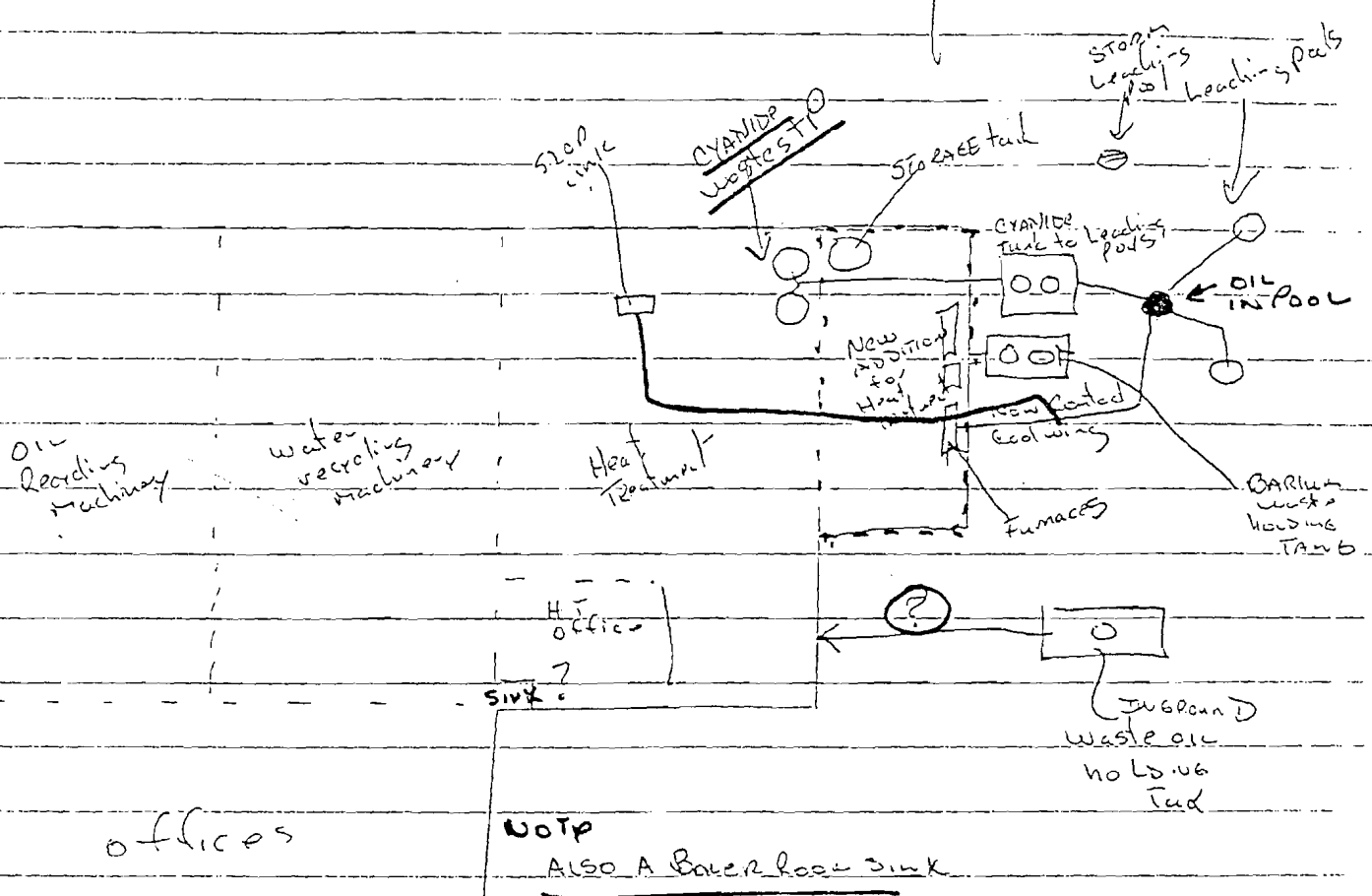
locations should also be noted since they are in a work

area in working storage materials

⑥ Any storage tanks should be noted in order to help determine

NY Twist Drill

N



SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CO. 701
65 JETSON LA., P.O. BOX G, CENTRAL ISLIP, N.Y. 11722
(516) 234-2622

ANY TWIST DRILL		OWNER/ OFFICER D. MANOGNA U.P.	PAGE 1 OF
		CONTACT John PATZ	TEL.
ADDRESS 25 Melville PK RD	VILLAGE Melville	TOWN Huntington	ZIP
DATE 5-14-81	TIME	PERIODIC RE. <input checked="" type="radio"/> WASTE <input checked="" type="radio"/>	NO WASTE <input type="radio"/> HSH <input type="radio"/>
SEWER SYSTEM		PUBLIC PRIVATE	
USE Drill Manufacture			
YES OR PERMIT? <input checked="" type="radio"/> YES <input type="radio"/> NO		PERMIT NO. N/0075515	
360 PERMIT? <input type="radio"/> YES <input type="radio"/> NO		PERMIT NO.	
VENUE SHVEDAN-OIL / PATTERSON-IND.		TEL.	
VENUE YES NO		PICK UP RECORDS AVAILABLE YES NO	RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION YES NO
SYSTEM-MFG. NAME		FUEL TYPE #2	FIRING RATE
NONE		WASTE BURNED	RATE

① Oil Noted in Leaching pool receiving non-contact cooling water -
→ sources of oil ARE SLOP SINKS in Heat treatment, Boil room
Heat Room office also has hand wash sink

② DIAGRAM must be updated to reflect building extension
+ locations of all tankage + manholes.

③ Check to see if emission pts. Are permitted

④ Read mt. Done Plan

I will call D. MAGOGNA + DISCUSS information needed

JOHN GLADYSZ 234-2622

A reinspection will be arranged

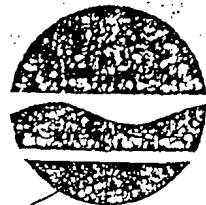
PERMISSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF
SPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.

SECTION SCHEDULED ON OR AFTER . FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY
RESULT IN A HEARING AND/OR FINE.

INSPECTOR	TITLE	INSPECTOR
John Gladysz	Foreman N.T.	John Gladysz

[illegible][illegible]

New York State Department of Environmental Conservation
Building 40, SUNY, Stony Brook, New York 11794
(516) 751-7900



Robert F. Flack
Commissioner

August 4, 1981

Mr. Donald Mangagno, Vice President
• New York Twist Drill Manufacturing
• 25 Melville Park Road
• Melville, New York 11746

Re: SPDES Permit No. NY 007 5515
Reference No. 47-0387

Dear Sir:

Enclosed please find the State Pollution Discharge Elimination System Permit for the discharge from New York Twist Drill Manufacturing Company at Huntington (1), Suffolk, New York

Please carefully read the general and other conditions and the schedule contained in the permit to insure compliance during the term of the permit. This permit should be kept available on the premises of the discharging facility at all times.

Sincerely yours,

Andrew R. Yerman, P.E.
Regional Water Engineer

ARY/jf
Enclosure
cc: A. Machlin
Agency

ATTACHMENTS: GENERAL CONDITIONS (PART II)(12/80),
COMPLIANCE SCHEDULE

Renewal - W

Copies: _____ Facility ID No. : NY-0075515
SPDES File _____
Region #1 _____ Effective Date (EDP) : August 1, 1981
Suffolk Co. Dept. of Health Services ✓ _____
Crandall - BPC _____ Expiration Date (ExDP) : August 1, 1986
Adamczyk - BIP _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)
DISCHARGE PERMIT

Special Conditions
(Part I)

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. §1251 et. seq.) (hereinafter referred to as "the Act").

Permittee Name: NEW YORK TWIST DRILL MANUFACTURING CORPORATION
Attention: Donald Mangagno, Vice President.

Permittee Street: 25 Melville Park Road

Permittee City: Melville State: New York Zip Code: 11746

is authorized to discharge from the facility described below:

Facility Name: New York Twist Drill Manufacturing Corporation

Facility Location (C,T,V): Huntington (T) County: Suffolk

Facility Mailing Address (Street): 25 Melville Park Road

Facility Mailing Address (City): Melville State: New York Zip Code: 11746

into receiving waters known as: Groundwaters (Class GA)

in accordance with the effluent limitations, monitoring requirements and other conditions set forth in this permit.

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal as prescribed by Sections 17-0803 and 17-0804 of the Environmental Conservation Law and Parts 621, 752, and 755 of the Departments' rules and regulations.

By Authority of George K. Hansen, P.E., Chief, P.D.E.S. Permit Section.
Designated Representative of Commissioner of the
Department of Environmental Conservation

JUL 10 1981

Date

George K. Hansen
Signature

FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning EDP (August 1, 1981) and lasting until EDP + 5 years (August 1, 1986) the discharges from the permitted facility shall be limited and monitored by the permittee as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Monitoring Reqmts.	
	Daily Avg.	Daily Max.		Measurement Frequency	Sample Type
<u>001 (Industrial Waste Waters)</u>					
Flow			GPD	Total each Batch	
Total Dissolved Solids		1000	mg/l	Each Batch	Grab
Total Suspended Solids	30	50	mg/l	Each Batch	Grab
Cyanide		.4	mg/l	Each Batch	Grab
pH Range	6.5 min.	8.5 max.	SU		
<u>002 (Cooling Water)</u>					
Flow			GPD	Monthly	Vol.
pH Range	6.5 min.	8.5 max.			
<u>003 (Holding Tank)</u>					
	No Discharge Allowed				
<u>004 (Sanitary Waste)</u>					
	No Monitoring Required				

a. Industrial waste holding tanks - 4900 gallon total (Buried);
No discharge to surface or groundwaters allowed.

b. Waste Oil holding tank - 2000 gallon total (Buried);
No discharge to surface or groundwaters allowed.

NOTE: For a & b, contents of holding tanks to be removed by an approved industrial waste scavenger only. Accurate records of waste removal must be maintained for inspection by NYSDEC and Suffolk Co. DHS.

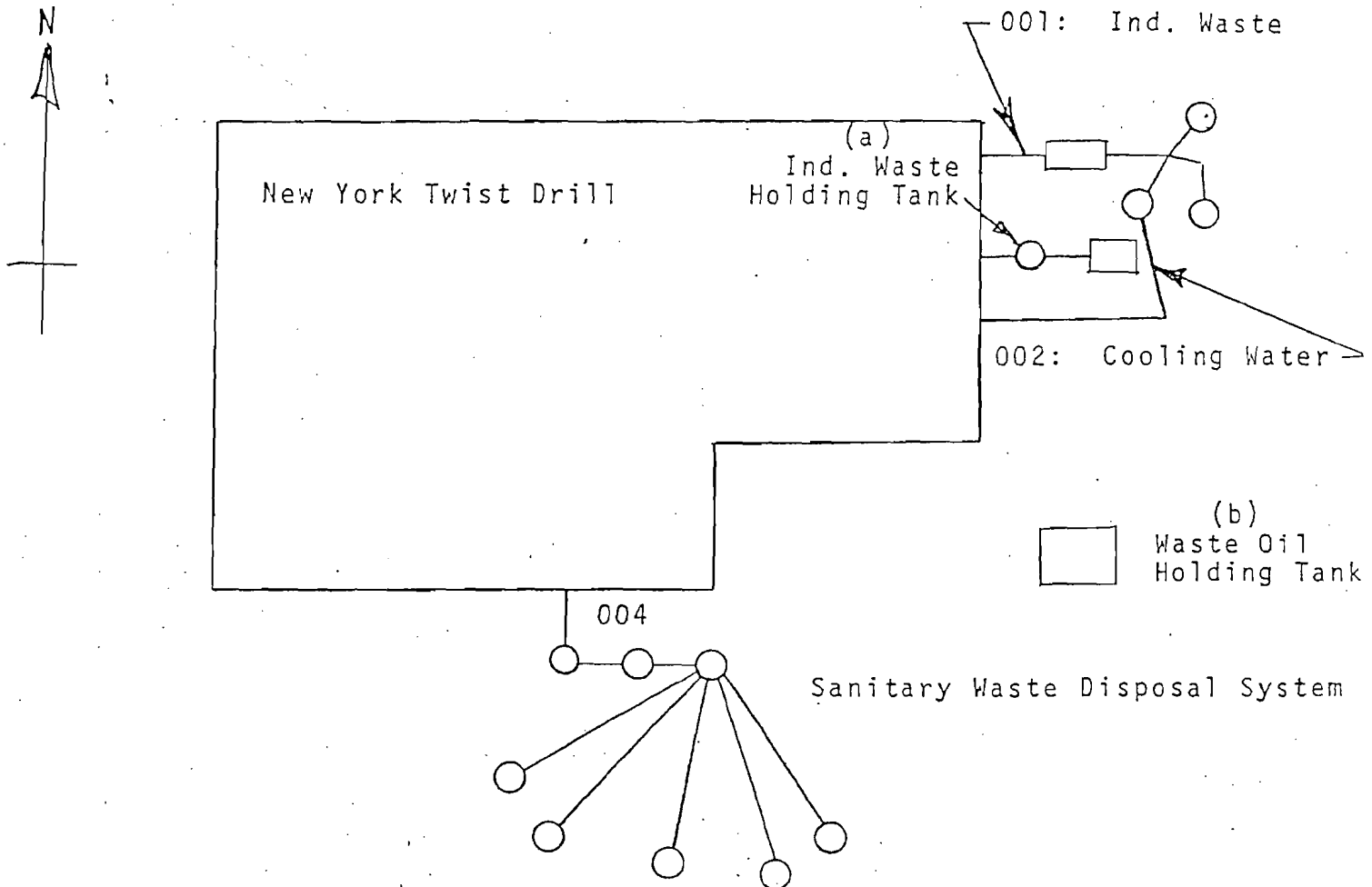
Definition of Daily Average and Daily Maximum

The daily average discharge is the total discharge by weight or in other appropriate units as specified herein, during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges in appropriate units as specified herein divided by the number of days during the calendar month when the measurements were made.

The daily maximum discharge means the total discharge by weight or in other appropriate units as specified herein, during any calendar day.

Monitoring Locations

Permittee shall take samples and measurements to meet the monitoring requirements at the location(s) indicated below: (Show locations of outfalls with sketch or flow diagram as appropriate).



SCHEDULE OF COMPLIANCE FOR EFFLUENT LIMITATIONS

(a) Permittee shall achieve compliance with the effluent limitations specified in this permit for the permitted discharge(s) in accordance with the following schedule:

Action Code	Outfall Number(s)	Compliance Action	Due Date
26	ALL	An up-dated Engineering Report shall be submitted describing any changes in the processes and reflecting all present conditions in the plant.. The report shall include a diagram of the facility with all outfalls properly labeled.	EDP + 3 months (November 1, 1981)

Mtg. Held on Tuesday Morning March 9, 1982 @ 10:30-11:30 AM. Requested by New York Twist Drill
Additional information requested on contents of Engineering Report/ To address both discharges & storage pits
List of Consultant Eng'g for Industrial Wastes handed out together with Article 12 literature.
Representatives from N.Y. Twist Drill Manufacturing included Donald Mangano & Mr. John Pachtz

Eng. rpt. rec'd 2/1/83 G. Watt

(b) The permittee shall submit to the Department of Environmental Conservation the required document(s) where a specific action is required in (a) above to be taken by a certain date, and a written notice of compliance or noncompliance with each of the above schedule dates, postmarked no later than 14 days following each elapsed date. Each notice of noncompliance shall include the following information:

1. A short description of the noncompliance;
2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement without further delay;
3. A description of any factors which tend to explain or mitigate the noncompliance; and
4. An estimate of the date permittee will comply with the elapsed schedule requirement and an assessment of the probability that permittee will meet the next scheduled requirement on time.

SCHEDULE OF COMPLIANCE FOR EFFLUENT LIMITATIONS
(Continued)

c) The permittee shall submit copies of the written notice of compliance or noncompliance required herein to the following offices:

Chief, Compliance Section
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233

Regional Engineer - Region #1
New York State Department of Environmental Conservation
Building 40 - SUNY
Stony Brook, NY 11794

Suffolk County Department of Health Services
65 Jetson Lane P.O. Box G
Central Islip, New York 11722

The permittee shall submit copies of any engineering reports, plans of study, final plans, as-built plans, infiltration-inflow studies, etc. required herein to the New York State Department of Environmental Conservation Regional Office specified above unless otherwise specified in this permit or in writing by the Department or its designated field office.

91-18-2 (9/76)

MONITORING, RECORDING AND REPORTING

a) The permittee shall also refer to the General Conditions (Part II) of this permit for additional information concerning monitoring and reporting requirements and conditions.

b) The monitoring information required by this permit shall be summarized and reported by submitting a completed and signed Discharge Monitoring Report form once every 6 months to the Department of Environmental Conservation and other appropriate regulatory agencies at the offices specified below. The first report will be due no later than September 28, 1981. Thereafter, reports shall be submitted no later than the 28th of the following month(s): March & September

Chief, Waste Source Monitoring Section
New York State Department of Environmental Conservation
Room 300 - 50 Wolf Road - Albany, New York 12233

Regional Engineer - Region #1
New York State Department of Environmental Conservation
Building 40 - SUNY, Stony Brook, NY 11794

Suffolk County Department of Health Services
65 Jetson Lane P.O.Box G
Central Islip, New York 11722

c) If so directed by this permit or by previous request, Monthly Wastewater Treatment Plant Operator's Reports shall be submitted to the DEC Regional Office and county health department or county environmental control agency specified above.

d) Each submitted Discharge Monitoring Report shall be signed as follows:

1. If submitted by a corporation, by a principal executive officer of at least the level of vice president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge described in the Discharge Monitoring Report originates;

2. If submitted by a partnership, by a general partner;

3. If submitted by a sole proprietor, by the proprietor;

4. If submitted by a municipality, State or Federal agency, or other public entity; by a principal executive officer, ranking elected official, commanding officer, or other duly authorized employee.

e) Unless otherwise specified, all information submitted on the Discharge Monitoring Form shall be based upon measurements and sampling carried out during the most recently completed reporting period.

f) Blank Discharge Monitoring Report Forms are available at the above addresses.

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
65 JETSON LA., P.O. BOX G, CENTRAL ISLIP, N.Y. 11722
(516) 234-2622

for
COPY SAVING
SAMPLE FILE

NAME OF FACILITY N.Y. TWIST DRILL CORP.		OWNER/OFFICER		PAGE 1 OF	
COMPANY NAME		CONTACT		TEL.	
PLANT ADDRESS		VILLAGE Melville	TOWN Hunt	ZIP	
MAILING ADDRESS 25 Melville Park Rd					
DATE 5 JAN 82	TIME 12:30	ORIG. PERIODIC (RE)	WASTE	NO WASTE	H&H
			SEWAGE SYSTEM	PUBLIC PRIVATE	

INDUSTRY MANUFACTURING DRILLS					
SPDES OR NPDES PERMIT? (YES) NO		PERMIT NO. NY 0078515		360 PERMIT? YES NO PERMIT NO.	

SCAVENGER				TEL.	
SCAVENGER APPROVED YES NO		PICK UP RECORDS AVAILABLE YES NO		RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION YES NO	

HEATING SYSTEM-MFG NAME			FUEL TYPE	FIRING RA
INCIN. NAME			WASTE BURNED	RATE

DRUM STORAGE YES NO		NUMBER OF DRUMS STORED		TYPE OF MATERIAL STORED WASTE RAW BOTH			
TANK STORAGE (YES) NO		(ABOVE GROUND) UNDER GROUND BOTH		TYPE OF MATERIAL STORED (WASTE) RAW BOTH			
HAVE TANKS BEEN REGISTERED YES ? NO		CONDITION OF ABOVEGROUND TANKS (GOOD) FAIR POOR		ANY ART. XII VIOLATIONS (YES) NO			

- ① Verify data was engineering records.
- ② Cooling tower on site has not been installed.
- ③ Compressor blow downs being recycled.
- ④ Barium holding tanks - (A) Concrete holding tank NOT TO GRADE, **(*)**
UNDER CURBING & LANDSCAPING.
- ⑤ Fiberglass lined holding tanks, two
steel covers to grade, close to bldg approx 10ft.
- ⑥ 4 not 2 Homopart (steam) in line, North to South.
- ⑥ NOTE: Review Art 12 specs. on Cyanide destruction TANKS 2X 100 gal.

PERMISSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING CESSPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.		
REINSPECTION SCHEDULED ON OR AFTER _____ FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY RESULT IN A HEARING AND/OR FINE.		
SIGN. OF PERSON REC. REPORT		INSPECTOR DAVID OBRIG
TITLE		INSPECTOR D. O.

RECEIVED

FEB 26 1982

ENVIRONMENTAL QUALITY
REGION 1

TS

Feb. 22, 1982

Mr. Anthony Adamczyk, P.E.
Bureau of Wastewater Facilities Design
N.Y.S. Department of Environmental
Conservation
50 Wolf Road
Albany, N.Y. 12233

Re: Proposed Engineering Report of
New York Twist Drill Corporation
25 Melville Park Road, Melville, N.Y.
SPDES No. NY 0075515

Dear Mr. Adamczyk:

In accordance with the subject industry's latest SPDES permit, an updated engineering report submittal was due on November 1, 1981. On or about Dec. 15, 1981 and again on Jan. 26, 1982 a single sheet schematic diagram was submitted by the industry with a transmittal letter indicating that the facilities are "as they were originally approved when plant was built in 1969 and has not been changed since".

Upon review of the submitted schematic diagram together with related inspection reports and other correspondence it has been determined that this diagram is only a small part of the overall engineering report expected. It is suggested that the remaining portions of the engineering report be requested for submittal as soon as possible in order for a complete review to be initiated. This suggestion is based on the following findings:

1. The existing building and related leaching and storage tankage facilities have been expanded and/or altered several times since the original issuance of a discharge permit.
 - a. Internal facilities have been expanded and/or relocated with respective discharge piping changes.

NOTICE OF VIOLATION
COUNTY OF SUFFOLK



PETER F. COHALAN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

New York Twist Drill
Melville Park Road
Melville, New York 11746

Date March 11, 1982

SPDES NO. _____

Lab. No. IW 182007

Field No. 1 DO 6-1

Gentlemen:

On Jan. 6, 1982 samples of industrial waste were taken from your SPDES discharge Pt. #002, 1st pool in line.

Upon analysis, the following parameters were found in concentrations above the maximum allowed in your SPDES Permit or in groundwater effluent standards:

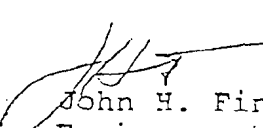
1. 1,1,1 Trichloroethane - 72 ppb. 6.
2. 50 7.
3. 8.
4. 9.
5. 10.

Please be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law and/or the Suffolk County Sanitary Code. Please be further advised that the discharge of any water from an industrial process to the groundwater of Suffolk County without having first obtained a State Pollutant Discharge Elimination System (SPDES) Permit for that discharge is also a violation of the N.Y.S. E.C.L. and/or the Suffolk County Sanitary Code, Article 12.

If you do not already possess a valid SPDES Permit for the above discharge, then you should apply immediately through this office for said permit.

Since the above-noted violations may subject you to legal action, it is expected that these violations cease immediately. Violations of the Suffolk County Sanitary Code are subject to the imposition of a civil penalty of up to Five Hundred (\$500) dollars per violation. E.C.L. violations are also subject to a civil penalty. A reinspection in the near future will determine your compliance in this matter.

Very truly yours,


John H. Finkenberg, Sr. Sanitarian
Environmental Pollution Control

Lab No. IW-182007
 Field No. 1806-1
 Date 6 JAN 82
 Time 1050
 Col. By DAVID ORR
 (Name not Initials)

Received in Lab 1/6/82 3:30 PM
 Public Water _____
 Private Water _____
 Other _____
 Date Completed 1-8-82
 Examined By W. R. F. A.

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
 DIVISION OF MEDICAL LEGAL INVESTIGATIONS & FORENSIC SCIENCES
 PUBLIC HEALTH LABORATORY

TRACE ORGANIC ANALYSIS OF WATER

Name NY TWIST PRILL Owner or District _____

Location MELVILLE PARK RD. MELVILLE NY

Point of Collection SEDES DISCHARGE PT. 002, 15' POOL FURNACE
 Remarks:

VHO ONLY HIGH Ph possible Cu etc

Compound	ppb	Compound	ppb
305 Methylene Chloride.....		250 Benzene.....	<10
290 Bromochloromethane.....		251 Toluene.....	<10
323 1,1 Dichloroethane.....		254 o-Xylene.....	<10
309 Trans Dichloroethylene.....		252 m-Xylene.....	<10
300 Chloroform.....	<5	253 p-Xylene.....	<10
324 1,2 Dichloroethane.....		255 Xylene (s).....	—
321 1,1,1 Trichloroethane.....	72	258 Chlorobenzene.....	<12
304 Carbon Tetrachloride.....	<1	Ethylbenzene.....	<10
294 1 Bromo-2-Chloroethane.....		Bromobenzene.....	<10
405 1,2 Dichloropropane.....		o-Chlorotoluene.....	<10
310 1,1,2 Trichloroethylene.....	<5	m-Chlorotoluene.....	<10
303 Chlorodibromomethane.....	<2	p-Chlorotoluene.....	<10
293 1,2 Dibromoethane.....		265 Chlorotoluene (s).....	—
2-Bromo-1-Chloropropane.....		415 m-Dichlorobenzene.....	<14
301 Bromoform.....	<5	412 o-Dichlorobenzene.....	<14
311 Tetrachloroethylene.....	<2	413 p-Dichlorobenzene.....	—
Cis-Dichloroethylene.....		1,2,4 Trimethylbenzene.....	<10
Freon 113	<4	2,3 Dichloropropane.....	—
Dibromomethane.....		1,1,2 Trichloroethane.....	—
1,1 Dichloroethylene		1,1,1,2 Tetrachlorethane.....	—
302 BromoDichloromethane.....	<3	1,2,2,3 Tetrachloropropane.....	—

Schedule I

Applicability. The following effluent standards and/or limitations shall apply to all Class GA waters in New York State.

Biological organisms. Coliform and/or pathogenic organisms shall not be discharged in amounts sufficient to render fresh ground waters detrimental to public health, safety or welfare.

Chemical Characteristics

<u>Substance</u>	<u>Maximum Allowable Concentration in mg/l (unless otherwise noted)</u>
(1) Aluminum	(1) 2.0
(2) Arsenic	(2) 0.05
(3) Barium	(3) 2.0
(4) Cadmium	(4) 0.02
(5) Chloride	(5) 500
(6) Chromium (Cr) (Hexavalent)	(6) 0.10
(7) Copper	(7) 1.0
(8) Cyanide	(8) 0.40
(9) Fluoride	(9) 3.0
(10) Foaming Agents ¹	(10) 1.0
(11) Iron ²	(11) 0.6
(12) Lead	(12) 0.05
(13) Manganese ²	(13) 0.6
(14) Mercury	(14) 0.004
(15) Nickel	(15) 2.0
(16) Nitrate (as N)	(16) 20
(17) Oil and Grease	(17) 15
(18) Phenols	(18) 0.002
(19) Selenium	(19) 0.04
(20) Silver	(20) 0.1
(21) Sulfate	(21) 500
(22) Sulfide	(22) 1.0
(23) Zinc	(23) 5.0
(24) pH Range ³	(24) 6.5-8.5
(25) Aldrin, or 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo-1,4-exo-5,8-dimethanonaphthalene	(25) not detectable ⁴
(26) Chlordane, or 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene	(26) 0.1 ug/l
(27) DDT, or 2,2-bis-(p-chlorophenyl)-1,1,1-trichloroethane and metabolites	(27) not detectable ⁴
(28) Dieldrin, or 6,7-epoxy aldrin	(28) not detectable ⁴
(29) Endrin, or 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo-1,4-endo-5,8-dimethanonaphthalene	(29) not detectable ⁴
(30) Heptachlor, or 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene and metabolites	(30) not detectable ⁴
(31) Lindane and other Hexachlorocyclohexanes or mixed isomers of 1,2,3,3,5,6-hexachloro-cyclohexane	(31) not detectable ⁴

Mr. Anthony Adamczyk, P.E.
N.Y.S.D.E.C. - Albany

- 2 -

Feb. 22, 1982

2. Leaching facilities and below and above grade storage tankage have been modified and/or altered to such an extent that a separate up-dated site plan and internal piping and plant layout plans are imperative.
 - a. Leaching facilities for stormwater runoff drainage are extensive; there are over twenty-one (21) leaching structures located throughout the site with recent installations being noted on the east side of the building as recently as September, 1980.
3. A recent trace organic analysis performed on a sample taken from Outfall No. 001 revealed an excessive concentration of 1,1,1 trichloroethane (74 ppb).
 - a. Other samples taken from the industrial waste disposal systems (Outfall Nos. 001 & 002) during previous routine inspections have revealed excessive concentrations of iron and elevated pH values; analytical determinations were limited to heavy metals.
 - b. Based on the operations accomplished at this plant, analytical determinations for cyanide, barium, total dissolved and suspended solids plus chlorides and other constituents should be included.
4. An engineering report dated Feb. 3, 1972, which addressed the treatment of cyanide bearing wastes from a nitrating process was an update of an earlier engineering report dated Oct. 7, 1966.
 - a. The Oct. 7, 1966 report was based on the operation of a plant located at 99 Magnolia St., Westbury (Nassau County).
 - b. The Feb. 3, 1972 report was the result of reinstating the operation of the treatment system that had become somewhat lax in the interim 5 year period.

A complete updated engineering report which specifically addresses and evaluates the facilities and operations at 25 Melville Park Road, Melville is requested herewith. The preparation of this report should be based on actual analytical determinations from a representative sampling program; copies of these analytical findings should be included in the report. The report should conclude by making such suggestions and recommendations for implementation to be employed for all discharges to be consistent and compatible with effluent standards

Mr. Anthony Adamczyk, P.E.
N.Y.S.D.E.C. - Albany

- 3 -

Feb. 22, 1982

and/or limitations to Class GA waters. A separate section to be included in the report shall address Suffolk County's Article 12 on the storage and handling of toxic and/or hazardous materials.

Very truly yours,

Otto J. Reneberg, P.E.
Wastewater Management Section

OJR/he

cc: Ted Snyder, P.E.
Donald Mangagno, V.P.
New York Twist Drill Corp.

Lab No. IW-182008
 Field No. 2006-1
 Date 6 JAN 82
 Time 10⁵⁵
 Col. By DAVID GSKAG
 (Name not Initials)

Received in Lab 1/6/82 3:30 PM
 Public Water _____
 Private Water _____
 Other _____
 Date Completed 1-8-82
 Examined By W. G. P. M.

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
 DIVISION OF MEDICAL LEGAL INVESTIGATIONS & FORENSIC SCIENCES
 PUBLIC HEALTH LABORATORY

TRACE ORGANIC ANALYSIS OF WATER

Name NY TWIST PRILL Owner or District _____

Location MELVILLE PARKED, MELVILLE

Point of Collection SEDES DISCHARGE # CO1, 1st POOL

Remarks: VHC CIVIL-1 High Ph, possible CN ETX

Compound	ppb	Compound	ppb
305 Methylene Chloride.....		250 Benzene.....	<10
390 Bromochloromethane.....		251 Toluene.....	<10
223 1,1 Dichloroethane.....		254 o-Xylene.....	<10
309 Trans Dichloroethylene.....		252 m-Xylene.....	<10
300 Chloroform.....	15	253 p-Xylene.....	<10
224 1,2 Dichloroethane.....		255 Xylene (s).....	—
311 1,1,1 Trichloroethane.....	74	258 Chlorobenzene.....	<12
224 Carbon Tetrachloride.....	21	Ethylbenzene.....	<10
294 1-Bromo-2-Chloroethane.....		Bromobenzene.....	<16
45 1,2 Dichloropropane.....		o-Chlorotoluene.....	<12
310 1,1,2 Trichloroethylene.....	5	m-Chlorotoluene.....	<12
31 Chlorodibromomethane.....	12	p-Chlorotoluene.....	<12
293 1,2 Dibromoethane.....		265 Chlorotoluene (s).....	—
2-Bromo-1-Chloropropane.....		415 m-Dichlorobenzene.....	<14
301 Bromoform.....	5	412 o-Dichlorobenzene.....	<14
31 Tetrachloroethylene.....	2	413 p-Dichlorobenzene.....	—
Cis-Dichloroethylene.....		1,2,4 Trimethylbenzene.....	<10
Freon 113.....	4	2,3 Dichloropropene.....	—
Dibromomethane.....		1,1,2 Trichloroethane.....	—
1,1 Dichloroethylene.....		1,1,1,2 Tetrachloroethane.....	—
02 BromoDichloromethane.....	3	1,2,2,3 Tetrachloropropane.....	—
		s-Tetrachloroethane.....	—

Lab No. IW-182008
 Field No. 2006-1
 Date 6 JAN 82
 Time 10⁵⁵
 Col. By DAVID GRAY
 (Name not Initials)

Received in Lab 1/6/82 3:30 PM
 Public Water _____
 Private Water _____
 Other _____
 Date Completed 1-5-82
 Examined By W. G. P. N.

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
 DIVISION OF MEDICAL LEGAL INVESTIGATIONS & FORENSIC SCIENCES
 PUBLIC HEALTH LABORATORY

TRACE ORGANIC ANALYSIS OF WATER

Name NY TWIST PRILL Owner or District _____

Location MELVILLE PARK RD. MELVILLE

Point of Collection SEDES DISCHARGE # CO1; 1st POOL
 Remarks:

VHCl CRU-1 High pH, possible CN ETX

Compound	ppb	Compound	ppb
305 Methylene Chloride.....		250 Benzene.....	<10
290 Bromochloromethane.....		251 Toluene.....	<10
323 1,1 Dichloroethane.....		254 o-Xylene.....	<10
309 Trans Dichloroethylene.....		252 m-Xylene.....	<10
300 Chloroform.....	45	253 p-Xylene.....	<10
324 1,2 Dichloroethane.....		255 Xylene (s).....	—
321 1,1,1 Trichloroethane.....	74	258 Chlorobenzene.....	<10
304 Carbon Tetrachloride.....	41	Ethylbenzene.....	<10
294 1-Bromo-2-Chloroethane.....		Bromobenzene.....	<10
405 1,2 Dichloropropane.....		o-Chlorotoluene.....	<12
310 1,1,2 Trichloroethylene.....	45	m-Chlorotoluene.....	<12
303 Chlorodibromomethane.....	42	p-Chlorotoluene.....	<12
293 1,2 Dibromoethane.....		265 Chlorotoluene (s).....	—
2-Bromo-1-Chloropropane.....		415 m-Dichlorobenzene.....	<14
301 Bromoform.....	45	412 o-Dichlorobenzene.....	<14
311 Tetrachloroethylene.....	42	413 p-Dichlorobenzene.....	—
Cis-Dichloroethylene.....		1,2,4 Trimethylbenzene.....	<10
Freon 113.....	44	2,3 Dichloropropene.....	—
Dibromomethane.....		1,1,2 Trichloroethane.....	—
1,1 Dichloroethylene.....		1,1,1,2 Tetrachloroethane.....	—
302 Bromodichloromethane.....	43	1,2,2,3 Tetrachloropropane.....	—

REV. 1-3/12/84 - ADDED TANK NOS -
SCDHS REGISTRATION

NEW YORK TWIST DRILL
CORPORATION

WASTE WATER
DISTRIBUTION SYSTEM

SCALE: $1/8" = 1'-0"$ DRN BY JWP
6-22-82

SALT POT
ELECTRIC
PANELS

ATORY

5

AL.
EER
TANK

SOR

TRUCK DOCK

COUNTY OF SUFFOLK



PETER F. COHALAN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

Oct. 5, 1982

New York Twist Drill Corp.
25 Melville Park Road
Melville, N.Y. 11747

Att'n: John Paetz

Re: Drum Storage of Toxic or Hazardous Materials

Gentlemen:

A recent inspection of your facility by a representative of this Department revealed that your facility is in violation of Article 12 of the Suffolk County Sanitary Code.

Article 12 regulates the storage and handling of both raw and waste toxic or hazardous materials. Section 1203 defines a toxic or hazardous material as any substance, solution or mixture which may present a potential hazard to human health or drinking water. All existing or new facilities that store drums of toxic or hazardous materials (raw or waste) must obtain a permit to operate issued by the Department.

Prior to issuance of the permit, all storage areas for drums or other portable containers must meet construction standards acceptable to the Department. Containers must be stored on a concrete surface surrounded by a berm or curb to contain any spillage or leakage. Further details can be found in the enclosed Standards for Construction of Storage Areas for Portable Containers. Please complete and return 4 copies of the enclosed application for a permit to construct with plans for upgrading your facility within 60 days from the date of this letter.

Your plans will be reviewed for conformance with the enclosed standards. Facilities with approvable plans will be issued a permit to construct by the Department which will be valid for one year. Please note that a \$100 review fee is required for facilities having storage for a total of 25 or more 55 gallon drums or equivalent.

451-4649.

If you have any questions, you may contact me at 451-2622, ext. 243x

Very truly yours,

Peter R. Akras
Ass't. Public Health Engineer
Hazardous Materials Management

PRA/rt

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERV. S
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
65 JETSON LA., P.O. BOX G, CENTRAL ISLIP, N.Y. 11722
(516) 234-2622

100
New
ART XII
AIR
SPDES
POST

NAME OF CITY NY TWIST DRILL CORP.		OWNER/OFFICER		PAGE 1 OF	
COMPANY NAME		CONTACT John Paetz - FAC. 408		TEL 293-2200	
ADDRESS 25 Melville Rd.		VILLAGE Melville TOWN		ZIP 11747	
(536 Rte 110) - other building -> will be closed					
DATE 7-20-82	TIME	ORIG. PERIODIC	RE. WASTE	NO WASTE	SEWAGE SYSTEM HSB
PUBLIC PRIVATE					
DU RY TWIST DRILL Mfg					
DOES PERMIT? YES NO		PERMIT NO. NY 0075515		360 PERMIT? YES NO	
AVENGER SHERIDAN		WASTE OIL/WASTE CONVERSION		TEL.	
APPROVED YES NO		PICK UP RECORDS AVAILABLE YES NO		RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION YES NO	
FUEL TYPE		FIRING RATE		WASTE BURNED	
FIRING RATE		WASTE BURNED		RATE	
NUMBER OF DRUMS STORED 35		TYPE OF MATERIAL STORED WASTE RAW BOTH		TYPE OF MATERIAL STORED WASTE RAW BOTH	
ABOVE GROUND UNDER GROUND BOTH		TYPE OF MATERIAL STORED WASTE RAW BOTH		TYPE OF MATERIAL STORED WASTE RAW BOTH	
ANY ART. XII VIOLATIONS YES NO		ANY ART. XII VIOLATIONS YES NO		ANY ART. XII VIOLATIONS YES NO	

ART XII VIOLATIONS

(1) CYANIDE TANKS + HYDRAULIC OIL TANK ABOVE GROUND HAVE NO DIKES

(2) DRUM STORAGE AREA - INDOORS -> NO BERTHS

IN PROCESS OF SUBMITTING PLANS TO COUNTY FOR ART XII 2400 gal concrete u.g. tank (berm)

DRUM STORAGE AREA - RACK 3 HIGH

VARIOUS OILS (35 TOTAL)

- NO BERTHS -

SPDES INSPECTION DONE & AIR RECERTIFICATION

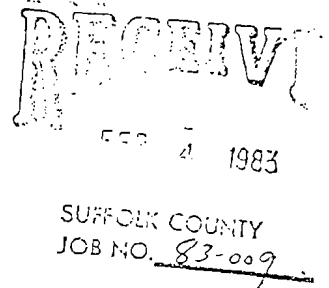
MISSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF SEWPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.

REINSPECTION SCHEDULED ON OR AFTER FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY RESULT IN A HEARING AND/OR FINE.

SIGN. OF PERSON [Signature] TITLE Maint Supervisor 13.00.00.00 INSPECTOR [Signature]

05-52-10

ENGINEERING REPORT
ON
INDUSTRIAL WASTE TREATMENT
AT
NEW YORK TWIST DRILL CORPORATION
MELVILLE, N.Y.



Summary

The engineering reports prepared by Bensin & Burns, Consulting Engineers, in October 1966 and February 1973 (copies attached), under which New York Twist Drill originally located in Melville and subsequently received the SPDES permit under which it presently operates, remain the basis for industrial waste treatment at this facility.

The physical facilities built then to conform to the approved engineering reports have been modified as follows:

- 1975 - Barium wastes - bypass to separate holding tank for removal by scavenger OF 002.
- 1976 - Lean-to added; process and treatment facilities rearranged

On the accompanying plan, all process components and piping are clearly shown.

Chronology

On October 25, 1966, the Suffolk County Dept. of Health approved plans for treatment of cyanide bearing wastes at the company's facility located at 25 Melville Park Road, Melville,

L.I., N.Y. 11747. The original applications and engineering reports and drawings were prepared by Bensin & Burns, Consulting Engineers. The original outfall--now identified as .001--consisted of a Cyanide Treatment facility for waste water from Nitride Tanks, Alkaline Wash Tank and a Heat Treat Wash Tank. Except for relocation of these tanks, these process operations have remained unchanged.

In February, 1972, Bensin & Burns provided an updated Engineering Report which addressed the strengthening of records-keeping and further defined operational procedures.

In May, 1975, New York Twist Drill submitted a proposal--including engineering drawings--to simplify the system by isolating barium wastes into a separate holding tank, which would then be carted away by Scavengers when necessary. This proposal was made in conjunction with the expansion of the Heat Treat facility by the addition of a lean-to. The lean-to was required to satisfy the company's needs for additional storage, and to allow for the acquisition of equipment, which did not involve any tie-in to the Waste Treatment System.

In response to a request from the Suffolk County Dept. of Health, NYTD submitted an engineering update of our facilities in December 1981 and again in January 1982. The company was advised by Mr. O. Renenberg's memo of February 22, 1982 that

the submittal was inadequate and that a new complete engineering report was in order before a SPDES Permit would be renewed. Meetings were held with Messrs. D. Mangogna and J. Paetz of NYTD and Messrs. O. Renenberg and G. Watt of S.C. Dept. of Health in order to define the extent of the new engineering report.

Has been
revised
on 2/1/81
for 5 yrs

On March 30, 1982, the company employed the services of Mr. John P. Mahoney, P.E., Consulting Engineer, to be responsible for the preparation of the engineering report and submittal of a SPDES permit request. A drawing has been prepared which depicts each and every piece of equipment located in the Heat-Treat room and lean-to. We have also dye-traced each underground line within the subject area to be assured of the lines routing. This had to wait until the summer plant shutdown--the last week in July and first week in August--to disconnect some services and run water through these lines to insure the correctness of data and routing shown on the drawings.

Since August, the company has experienced one serious continuing delay in completing the report--the requirement for a laboratory analysis of the .001 waste stream of the Cyanide Treatment facility.

used
this
info

The company's business posture has fallen off so dramatically that it has not yet generated cyanide waste in sufficient quantities to run the 1000 gallon capacity system.

Since the issuance of the original SPDES permit in 1966, the New York Twist Drill Corp. has diligently pursued improvements in the Waste Treatment facilities aimed towards significant reductions in the amount of treated waste waters being returned to the water table. Addition of a new chiller and cooling tower are obvious improvements. Less obvious is the addition of the Hayes Vacuum Furnace into the manufacturing process, which significantly reduces the nitride requirements.

Facility Description

N.Y. Twist Drill Corporation has prepared a new engineering layout drawing of the subject Heat Treat Area entitled "Waste Water Distribution System" dated June 22, 1982. All of the equipment in this area is located and identified as to its relationship with the .001 outfall. Any changes that are associated with this outfall are clearly described. Outside of the area shown on this drawing, which is in the northeast corner of the facility at 25 Melville Park Road, Melville, L.I., N.Y., there are no other equipment, facilities or utilities that relate to Waste Water systems.

The following changes have been implemented--all improvements--since the issuance of the SPDES permit in 1966:

- (1) While the company did not add or in any way change the character of the .001 Outfall, it did relocate the Barium Washer to the newly erected lean-to in 1975, and removed it from the Cyanide Treatment System, diverting the barium waste to its own holding tank

where it awaits removal by scavengers. The company also is diverting the clean cooling water from the lead pots to the leaching pools 1 and 2.

- (2) In August 1982, the company purchased and installed a new Cooling Tower to recirculate the "clean" cooling water from the Hayes Vacuum Furnace and Degreaser, thereby reducing the clean outfall into Leaching Pools 1 and 2.
- (3) Since previous County inspections have shown significant quantities of Trichloroethane - Bac 1.1.1. - in Leaching Pool #1, which can only be attributed to leaks in the Degreaser Tank, the company will be replacing the old Degreaser with a new unit in December 1982.
- (4) In June 1981, the company installed a new 50-ton chiller in the compressor room to recirculate cooling water for the Plant Air Compressor. This action significantly reduced the outflow of clean water to Leaching Pools 1 and 2.

As a result of the improvements, Items (2), (3), and (4) above, the company has significantly reduced the outflow of clean water to Leaching Pools 1 and 2.

Identification of Process and Waste Treatment Components

Each item of equipment on the drawing has been identified with an encircled number and is described as follows:

- (1) 500 gallon Degreaser Storage Tank - self-contained above ground storage tank piped directly to the degreaser tank. No outfall connections. ✓ *AP 12*
- (2) 60 hp Air Compressor and Chiller - provides shop air throughout plant--chiller recirculates cooling water for compressor. No outfall. ✓
- (3) Wash Sink - Heat Treat office - connected to clean Leaching Pools 1 and 2. *used for wash*
- (4) Degreaser - self-contained unit with refrigerated product recovery system. Separate cooling lines connected to new Cooling Tower on roof. No outfall. *Line* *valve*
New degreaser will be installed in December 1982.
- (5) Annealing Furnace - requires cooling water for Main Drive Motor bearing. Connected to Leaching Pools 1 and 2. *used*
- (6) Salt Pot Banks Nos. 1 and 2. Water cooled electrodes are used on the single phase transformers. No direct contact with salt pots. Cooling water dumped into Leaching Pools 1 and 2. ✓ *at tank*
- (7) Hayes Vacuum Furnace - Water cooled jacket is serviced by water circulated through new Cooling Tower mounted on roof - No outfall. *valve* *Line*
- (8) Homo Furnaces (4) - steam condensate is pumped out to Leaching Pools 1 and 2. ✓
- (9) Wheelabrators and Sandblast Machines (3) - These

machines are dry grit cleaning machines with no connections to the Industrial Waste System. Each machine has a dry dust collector.

- (10) Wash Sink - Boiler Room - connected to Leaching Pools 1 and 2.
- (11) Nitride Wash Tanks - cyanide dipping tanks with effluent connected to Cyanide destruct systems - with treated waste dumped to Holding Tank #1 and overflow to Leaching Pool #3 (Outfall #001).
- (12) Nitride Furnace - Water cooled electrodes are isolated from Nitrides. Clean cooling water is sent to Leaching Pools 1 and 2.
- (13) Rust Stripper - rinse water is dumped into Leaching Pools 1 and 2.
- (14) 1000-Gallon (2) Cyanide Destruction - the system operation is in consonance with original SPDES permit and described by Bensin and Burns Engineering Report.
- (15) 2000 gallon Hydraulic Oil Tank - Bulk storage of hydraulic oil for production shop usage. No external connections to waste systems.
- (16) Barium Washer - All barium wash - approximately 200 gallons maximum every 2-3 weeks depending upon production activity - is held in lined 2500 gallon storage/holding tank for disposal by approved scavenger.

- (17) Wheelabrator - dry grit system with dust collection system. No impact on Industrial Waste Systems. ✓
- (18) Manor Washer - Self-contained wash tank with no exterior connections. ✓
- (19) Lead Pot with Oil Quench - isolated cooling water for jacket of oil quench has just been reconnected to Leaching Pools 1 and 2. ✓ Feb 1966
- (20) Circulating Water Tanks - for new Cooling Tower on roof. No connection to Waste Treatment System. ✓
- (21) Drum Storage Racks - No impact. ✓

Outfall Renumbering

The original outfall designations for the SPDES permit are revised as follows:

- 001 - Treated cyanide waste
- 002 - Barium waste holding tank
- 003 - Clear cooling water and wash sink waste
- 004 - Sanitary

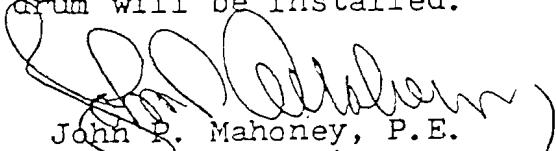
All site drainage pools remain untouched. No alterations to these pools have occurred since the plant was built.

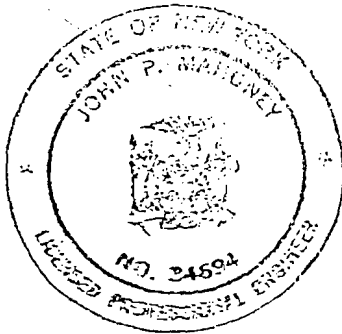
Containment of Liquid Spills

Under Article 12 of the Sanitary Code, the company may be required to contain the liquids stored in the drum racks (Item 21) and in the 500 gallon degreaser storage tank (Item 1).

Under the 500 gallon degreaser, a steel sheet pan will be placed. Its volume will be equal to the storage capacity of the tank. As an alternate, a brick dike along the east wall of the compressor room may be installed - again equal to the storage of the tank.

Under the drum storage racks, a sheet steel pan equal to the volume of one 55 gallon drum will be installed.


John P. Mahoney, P.E.
Consulting Engineer



SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738
(516) 451-4633

Log

New

Art XII

Air

Reinsp

Letter

Sample

File

NAME OF FACILITY		OWNER/OFFICER <u>Mark Hammer Pres.</u>		PAGE 1 OF
COMPANY NAME <u>New York Twist Drill Corp.</u>		CONTACT <u>Donald Mangano</u>		SLG TEL. 293-9200
ADDRESS <u>25 Melville Park Rd.</u>		VILLAGE <u>Melville</u>	TOWN <u>Hart.</u>	ZIP <u>11747</u>
MAILING ADDRESS				
DATE <u>5 APRIL 83</u>	TIME <u>9:50 AM</u>	ORIG. <u>PERIODIC</u>	RE. <u>WASTE</u>	NO WASTE <u>H&H</u>
SEWAGE SYSTEM		PUBLIC <u>PRIVATE</u>		
INDUSTRY <u>Mfg. Drills</u>				
SPDES OR NPDES PERMIT? <u>YES</u> NO		PERMIT NO.		
360 PERMIT? YES NO		PERMIT NO.		

SCAVENGER <u>Baron Blakelee</u>	TEL.
SCAVENGER APPROVED <u>YES</u> NO	PICK UP RECORDS AVAILABLE <u>YES</u> NO
RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION YES NO	

EATING SYSTEM - MFG. NAME	FUEL TYPE	FIRING RATE
<u>3/7/83 - 5 x 55 gal. drums sludge.</u>	<u>York-Shepley</u>	<u>#2</u>
WASTE BURNED	RATE	

DRUM STORAGE <u>YES</u> NO	NUMBER STORED <u>INDOORS</u> OUTDOORS	TYPE OF MATERIAL STORED <u>WASTE</u> <u>RAW</u>
STORAGE TANKS <u>YES</u> NO	NUMBER OF TANKS <u>ABOVEGROUND</u> UNDERGROUND	TYPE OF MATERIAL STORED <u>WASTE</u> <u>RAW</u>
OPEN PROCESS TANKS <u>YES</u> NO	NUMBER OF OPEN PROCESS TANKS <u>several</u>	ANY ART. XII VIOLATIONS <u>YES</u> NO

- 1) 2X 55 gal. water sol. coolant - 13-A
- 2) 1X 55 gal. water lubricator
- 3) 2X 55 gal. Exxon-150 PARM
- 4) 1X 55 gal. Water Displacement Oil
- 5) 2X 55 gal. way lube
- 6) 4X 55 gal. SPINDURA OIL
- 7) 3X 55 gal. syn. oil/water sol.
- 8) 1X 55 gal. HOWSCARB FLUID
- 9) 1X 55 gal. cutting oil
- 10) 1X 55 gal. water sol. cleaner
- 11) 1X 55 gal. quench oil
- 12) Hayz Quench Oil
- 13) 2X 55 gal. 40WT MOTOR OIL
- 14) Hydraulic Storage Tanks
- 15) 2X 55 gal. paint strippers
- 16) 500 gal. steel tank

PERMISSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF CESSPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.

REINSPECTION SCHEDULED ON OR AFTER 7/83. FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY RESULT IN A HEARING AND/OR FINE.

SIGN. OF PERSON REC. REPORT <u>Donald Mangano</u>	TITLE <u>V.P. Engineering</u>	INSPECTOR <u>DAVID OBRIG</u>
---	-------------------------------	------------------------------

ST E ICE				
NO.	PROCESS	CHEMICALS USED AND APPROXIMATE QUANTITY	DISCHARGE	DISCHARGE TO
①	Vacuum Furnace	close looped / cooling system	NO	NO
②	Degreaser Unit	COOKING TOWER TANK MACHINES-TANK		
③	Tool Washing Machine (MANOR)	→ Spent Washer Rinse water	NO	H+H
④	Wash Tank	100 gals. CAUSTIC CLEANING / 2WK	water	H+H
⑤	Cyanide Disturb tank 90x2 gals. tank	1XSSdmu/6mo. ↓ treated water	SHUOGL	LANDFILL
⑥	Strip Line	Strip tank 3X20 gals. rinse tanks	DISH ND DISH-Pipe	POOL sumo CA DIST
⑦	Cu/Nickel Coating Furnace	Barium Salt		
⑧	CN-WASH TANK FOR SALT	Approx 15 gals. → Air dry-water → 2X200 gals. wash (Barium wash tank)		

AIR POLLUTION SOURCES → treated DISH POCB 255:							
NO.	PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYPE OF EMISSION
①	Lead Pot Furnace / Temper.	FAN	1	LEAD	—	BATCH	FINE.
②	O.I. Quench Machine	FAN	1	OIL	—	BATCH	"
③	WHITIER BRADER-THUMB BLAST	BAG HOUSE	1	STEEL SHOT	—	BATCH	DUST
④	Paint Strip Tank	FAN	1	—	—	BATCH	Fume.
⑤	Cu Coating / Air Dry	FAU	1	—	—	BATCH	Fume
⑥	Steel Shot Abrader	Dog house	1	—	—	approx 8	DUST
⑦	Sand	" "	1	—	—	8	DUST

INDUSTRIAL WASTE PROCESS

—

[illegible]

NPDES COMPLIANCE INSPECTION REPORT (Coding Instructions on back of last page)

TRANSACTION CODE	NPDES	YR	MO	DA	TYPE	INSPECTOR	FAC TYPE	TIME
11	5	83	07	05	9	5	2	9:50 a.m.

REMARKS

21	ADDITIONAL	64
----	------------	----

SECTION A - Permit Summary

NAME AND ADDRESS OF FACILITY (Include County, State and ZIP code)

New York Twist Drill Corp.
25 Melville Park Rd.
Melville, Suffolk, New York 11747

EXPIRATION DATE
Aug. 1, 1986ISSUANCE DATE
Aug. 1, 1981

RESPONSIBLE OFFICIAL

Mark Hammer

TITLE

President

PHONE

516-293-9200

FACILITY REPRESENTATIVE

Donald Mangano

TITLE

Plant Mgr.

PHONE

SECTION B - Effluent Characteristics (Additional sheets attached)

PARAMETER/OUTFALL	MINIMUM	AVERAGE	MAXIMUM	ADDITIONAL
# COI-TDS				
SAMPLE MEASUREMENT				
PERMIT REQUIREMENT			1000 mg/l	Organic sample substitute.
# COI-TSS				
SAMPLE MEASUREMENT	30			
PERMIT REQUIREMENT	30 mg/l		50 mg/l	Organic sample substitute.
# COI-Cyanide				
SAMPLE MEASUREMENT			0.14 mg/l	Lab will not sample for CN.
PERMIT REQUIREMENT				
SAMPLE MEASUREMENT				
PERMIT REQUIREMENT				
SAMPLE MEASUREMENT				
PERMIT REQUIREMENT				

SECTION C - Facility Evaluation (S = Satisfactory, U = Unsatisfactory, N/A = Not applicable)

EFFLUENT WITHIN PERMIT REQUIREMENTS	OPERATION AND MAINTENANCE	SAMPLING PROCEDURES
RECORDS AND REPORTS	COMPLIANCE SCHEDULE	LABORATORY PRACTICES
PERMIT VERIFICATION	FLOW MEASUREMENTS	OTHER:

SECTION D - Comments NYS DEC will have to run - SEDEC compliance

SECTION E - Inspection/Review

SIGNATURES	AGENCY	DATE	ENFORCEMENT DIVISION USE ONLY
INSPECTED BY	NY DEC	7/11/83	COMPLIANCE STATUS
INSPECTED BY		April 05 83	<input type="checkbox"/> COMPLIANCE
REVIEWED BY			<input type="checkbox"/> NONCOMPLIANCE

PAGE 1 OF 4

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738
(516) 451-4633

Log

Reinsp

New

Letter

AFT XII

TERAC

Simple

Air

File

NAME OF FACILITY		OWNER/OFFICER	PAGE 1 OF
COMPANY NAME		CONTACT	316 TEL. 293-9200
PLANT ADDRESS	VILLAGE	TOWN	ZIP

DATE	TIME	ORIG.	RE.	WASTE	NO WASTE	H&H	SEWAGE SYSTEM	PUBLIC PRIVATE
------	------	-------	-----	-------	----------	-----	---------------	----------------

INDUSTRY	YES	NO	PERMIT NO.	360 PERMIT?	YES	NO	PERMIT NO.
----------	-----	----	------------	-------------	-----	----	------------

SCAVENGER	YES	NO	PICK UP RECORDS AVAILABLE	YES	NO	RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION	YES	NO
-----------	-----	----	---------------------------	-----	----	---	-----	----

H TING SYSTEM - MFG. NAME	FUEL TYPE	FIRING RATE
3/7/83 - 5 X 55 gal drums sludge	#2	
INCIN. NAME	WASTE BURNED	RATE

DRUM STORAGE	YES	NO	NUMBER STORED	INDOORS	OUTDOORS	TYPE OF MATERIAL STORED	WASTE	RAW
STORAGE TANKS	YES	NO	NUMBER OF TANKS	ABOVEGROUND	UNDERGROUND	TYPE OF MATERIAL STORED	WASTE	RAW
OPEN PROCESS TANKS	YES	NO	NUMBER OF OPEN PROCESS TANKS	SEECRAI	ANY ART. XII VIOLATIONS	YES	NO	

- 1) 2X 55 gal. water sol. coolant - 15 gal
- 2) 1X 55 gal. water inhibitor
- 3) 2X 55 gal. Exxon - ISOPARM
- 4) 1X 55 gal. Water Displacing Oil
- 5) 2X 55 gal. way lube
- 6) 4X 55 gal. SPINDURA OIL
- 7) 3X 55 gal. syn. oil / water sol.
- 8) 1X 55 gal. HOMERARB FLUID
- 9) 1X 55 gal. cutting oil
- 10) 1X 55 gal. water sol. cleaner
- 11) 1X 55 gal. quench oil
- 12) Hayz Ouncel Oil
- 13) 2X 55 gal 40WT MOTOR OIL
- 14) Hydraulic Storage Tank
- 15) 2X 55 gal. paint stripper
- 16) DuPont - A-R Stripper
- 17) 500 gal. steel tank
- 18) 111 trichloroethylene

PERMISSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF ESSPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.

REINSPECTION SCHEDULED ON OR AFTER 7/81. FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY RESULT IN A HEARING AND/OR FINE.

IGN. OF PERSON REC. REPORT	TITLE	INSPECTOR
----------------------------	-------	-----------

on file 1205

N.Y. Twist Drill



HOLZMACHER, McLENDON and MURRELL, P
H2M CORP.

575 BROAD HOLLOW ROAD, MELVILLE, NEW YORK 11747

Tel. (516) 694-3040

LABORATORY
REPORT

LAB ID 03

CLIENT NAME AND ADDRESS

S.C. Dept. of Health Services
15 Horseblock Pl.
Farmingville, NY 11738

LAB. NO. 352438

TYPE WATER Miscellaneous

SAMPLING PT. I.D. #R-6-DO-4-20

DATE SAMPLED 4/20/83

TIME SAMPLED

RUN TIME (WELL)

COLLECTED BY GC 99

N.Y. Twist Drill, SPDES 801

VOLATILE HALOGENATED

ug/l

PESTICIDES

ug/l

methylene chloride
1,1-dichloroethylene
1,1-dichloroethane
trans-1,2-dichloroethylene
cis-1,2-dichloroethylene
chloroform
1,1,2-trichlorotrifluoroethane
1,2-dichloroethane
1,1,1-trichloroethane
carbon tetrachloride
bromodichloromethane
1,2-dichloropropane
2,3-dichloropropene
trans-1,3-dichloropropene
trichloroethylene
1,1,2-trichloroethane
chlorodibromomethane
cis-1,3-dichloropropene
bromoform
1,1,1,2-tetrachloroethane
tetrachloroethylene
1,1,2,2-tetrachloroethane

lindane
heptachlor
aldrin
heptachlor epoxide
dieldrin
endrin
o,p' DDT
p,p' DDT
methoxychlor
toxaphene
chlordane

HERBICIDES

2,4-D
2,4,5-TP (silvex)

OTHERS

VOLATILE NON-HALOGENATED

benzene < 3
toluene < 3
m-xylene < 3
p-xylene < 3
o-xylene < 3
ethylbenzene < 3

*Reported value represents total

RECEIVED

MAY 23 1983

SUFFOLK COUNTY DEPT.
HEALTH SERVICES

5/6/83

DATE REPORTED

LAB DIRECTOR

HOLZMACHER, McLENDON and MURRELL, P.C.
H2M CORP.

INDUSTRIAL WASTE PROCESS

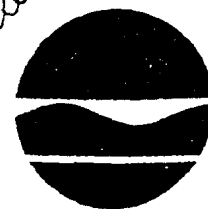
NO.	PROCESS	CHEMICALS USED AND APPROXIMATE QUANTITY	DISCHARGE	DISCHARGE TO
①	Vacuum Furnace	close looped / cooling system	NO	ND
②	Degreaser Unit	COOLING TOWER TANK MACHINES-TANK		
③	Tool Washing Machine (MANOR)	→ Spent Waste Rinse water	H+H ND	H+H
④	Wash Tank	100 gal. CAUSTIC CLEAN, 200 gal / 2WK	water	H+H
⑤	Cyanide Distinct tank 900 gal. ca.	155 dms / 6mo. ↓ treated water	SHUOGL	LANDFILL
⑥	Strip Line	Strip tank 3X20 gal. rinse tanks	ND DISH-Post	POUL sumo can dist
⑦	Cu / Nitric Coating Furnace.	Barium Salt. Approx. 15 gal. → Air dry-water		
⑧	CN-WASH TANK FOR SALT	→ 2X200 gal. wash (Barium wash tank)		

AIR POLLUTION SOURCES

NO.	PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYPE OF EMISSION
①	Lead Pot Furnace / Temper.	FAN	1	LEAD	—	BATCH	FUME
②	Oil Quench Machine	FAN	1	OIL	—	BATCH	"
③	WHEELER BRADUR-THURB BLAST	BAG HOUSE	1	STEEL SHOT	—	BATCH	DUST
④	Paint Strip Tank	FAN	1	—		BATCH	Fume.
⑤	Cu Coating / Air Dry	FAU	1	—	—	BATCH	Fume
⑥	Steel Shot Abrader	Dry house	1	—	—	approx 8	DUST
⑦	Sand	" "	1	—	—	8	DUST

N.Y. TWIST DRILL file

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-0001



Henry G. Williams
Commissioner

Division of Water

April 16, 1984

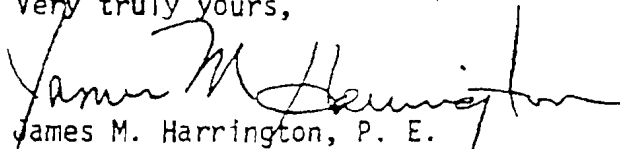
John P. Mahoney, P. E.
P. O. Box 117
East Islip, NY 11730

Re: Engineering Report
New York Twist Drill
Huntington (T) Suffolk Co.
NY 007 5515

Dear Mr. Mahoney:




To date, there has been no reply to our May 11, 1983 letter of comments concerning the referenced project. If no contact is made with this Office by April 30, 1984, the report will be considered withdrawn from active review.

Very truly yours,

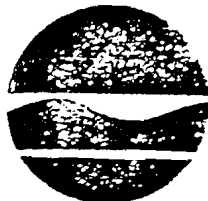

James M. Harrington, P. E.
Senior Sanitary Engineer
Industrial Inorganics Section

JMH/ab

cc: Region 1 ✓
Suffolk Co. DHS
New York Twist Drill



Conservation



Robert F. Flacke
Commissioner

16, 1982

Updated Engineering Report
ES NY 007 5515

Received the updated Engineering Report
August 1, 1981.

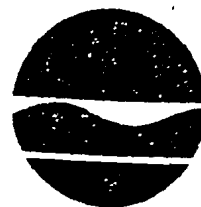
The Suffolk County Department of
Sanitation, wrote a comment letter
Your office was provided a copy of
the basis for this office's review
should submit as soon as possible.
DI Region 1 office. You should
Region 1 office regarding the status
number is (516) 761-7900

Truly yours,

K. Blackwell

K. Blackwell, P. E.
Sanitary Engineer
Industrial Inorganics Section

Conservation



Henry G. Williams
Commissioner

May 11, 1983

Engineering Report
York Twist Drill
Stoughton (T) Suffolk CO.
007 5515

[REDACTED]
report has been received and reviewed.
is being forwarded to you because the
available. Those comments are:

data submitted to support the
on would meet permit limits.

the degreasing operation and the Hayes
to any outfalls. The accompanying
connected to 003.

cess, the wastes from the wash sink and
quench should be described in detail.

ot be given until these items are

truly yours,

M. Harrington
M. Harrington, P. E.
Sanitary Engineer
Industrial Inorganics Section

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

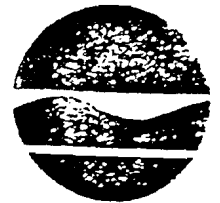
Division of Water

RECEIVED

MAR 18 1982

ENVIRONMENTAL QUALITY
REGION 1

March 16, 1982



Robert F. Flacke
Commissioner

Donald Mangagno, V. P.
New York Twist Drill Corp.
25 Melville Park Rd.
Melville, NY 11746

Re: Updated Engineering Report
SPDES NY 007 5515

Dear Mr. Mangagno:

This office has not as yet received the updated Engineering Report required by your SPDES permit renewed August 1, 1981.

Mr. Otto J. Reneberg, P. E. of the Suffolk County Department of Health Services Wastewater Management Section, wrote a comment letter to this office February 22, 1982. Your office was provided a copy of the letter. This letter will provide the basis for this office's review of the Engineering Report which you should submit as soon as possible. Legal action may be initiated by the DEC Region 1 office. You should contact Mr. Andrew Yerman of the DEC Region 1 office regarding the status of your non-compliance. The phone number is (516) 761-7900

Very truly yours

Eric K. Blackwell, P. E.
Senior Sanitary Engineer
Industrial Inorganics Section

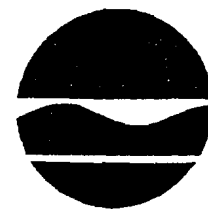
EKB/ag

cc: Otto J. Reneberg, P. E.
Ted Snyder, P. E.
EWQ, Region 1
R. Baker, EPA
R. Cronin, DEC

File

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

Division of Water



Henry G. Williams
Commissioner

March 29, 1983

N. Y. Twist Drill Corp.
25 Melville Park Road
Melville, Long Island, NY

Re: Engineering Report
NY Twist Drill Corp.
Huntington (T), Suffolk Co.
NY 007 5515

Gentlemen:

ENG REPORT

This project has been received and assigned to James M. Harrington, P. E. for review. Mr. Harrington may be reached at (518) 457-1157 if you wish to inquire about project status.

To assure that the recommended course of action detailed in the submission reflects the owner's decision, it is required that a letter be submitted officially accepting the report and adopting the project for construction.

Should he have any questions concerning technical aspects of your project, he will contact your engineer directly.

Very truly yours,

Walter E. Loveridge, P. E.
Chief
Industrial Inorganics Section

JMH/ag

cc: NYSDEC Region #1
Suffolk Co. DHS
Mr. Baker

Principal Property Tax Code

14* District

0400

15 Section

268

16 Block

01

17 Lot

004 .000

2* Facility Name

NEW YORK TWIST DRILL CORPORATION

3 No. *4* Street

25 MELVILLE PARK ROAD

5 Comm.

MELVILLE

6 State

NEW YORK

7 Zip

11747

Phone No.

516-293-9200

32* Facility Owner

NEW YORK TWIST DRILL CORPORATION

33 No. *34* Street

25 MELVILLE PARK ROAD

35 Comm.

MELVILLE

36 State

NEW YORK

37 Zip

11747

Phone No.

516-293-9200

42* Facility Operator

NEW YORK TWIST DRILL CORPORATION

43 No. *44* Street

25 MELVILLE PARK ROAD

45 Comm.

MELVILLE

46 State

NEW YORK

47 Zip

11747

Phone No.

516-293-9200

52* Land Owner

NEW YORK TWIST DRILL CORPORATION

53 No. *54* Street

25 MELVILLE PARK ROAD

55 Comm.

MELVILLE

56 State

NEW YORK

57 Zip

11747

Phone No.

516-293-9200

62* Tank Owner

NEW YORK TWIST DRILL CORPORATION

63 No. *64* Street

25 MELVILLE PARK ROAD

65 Comm.

MELVILLE

66 State

NEW YORK

67 Zip

11747

Phone No.

516-293-9200

70* Are chemical drums or containers stored at this site? Yes ☒ No ☐

71 Empty Drums 10 *72* Full or Part Full 40 *73* Waste Material 10 *74* New Material 30 *75* Average No. Being Stored 50

76 Type of Materials: New Oil Products 20 Waste Oil Organic Solvents 10 Other 20

702		703		706		707							715		718	717		718					719		720			721			70			
TANK NO.	ABOVEGROUND	UNDERGROUND	INDOORS	OUTDOORS	CAPACITY (GALLONS)	GASOLINE	NO. 2 FUEL OIL	NO. 6 FUEL OIL	KEROSENE	WASTE OIL	OTHER OIL	ORGANIC SOLVENTS	INDUSTRIAL WASTES	OTHER MATERIALS (SPECIFY)	YEAR INSTALLED AT THIS LOCATION	YES	NO	PLAIN STEEL	FIBERGLASS	BUFFHIDE	STIP-S	DOUBLE WALLED	OTHER	IN USE	ABANDONED	SUBMERSIBLE	SUCTION	GRAVITY	OTHER	PUMPED	GRAVITY	OTHER	OFFICIAL USE	
1	X			X	10,000		X							HEATING	65	X		X						X			X				X			
2	X		X		500									DEGREASER FLUID	65	X		X						X				X		X				
3	X		X		2,000						X			HYDRAULIC OIL	65	X		X						X				X		X				
4		X		X	2,500								X	BARTUM WSTE	65	X						X		X					X		X			
5	X		X		1,650						X	X	X	DRUM STORAGE FOR OILS, COOLANTS & SOLVENTS	65	X		X						X				X		X				
6	X		X		180									HOT WATER RINSE	65	X		X						X				X					X	

I certify that information on this application and all attachments have been reviewed and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in this application, I believe that the information is true, accurate, and complete. I understand that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date

3/14/84

Print Name

JOHN W. PAETZ

Signature

John W. Paetz

Title

FACILITIES MANAGER

Fac. Ref. No. 1*

04268

Receipt No.

Amt. of Fee

Principal Property Tax Code		14* District	157	15*Section	268	16* Block	01	17* Lot	004	000
12*Facility Name	33* No.	44* Street	5* Comm.	6* State	7* Zip	Phone No.				
NEW YORK TWIST DRILL CORPORATION	25	MELVILLE PARK ROAD	MELVILLE	NEW YORK	11747	516-293-9200				
32*Facility Owner	33*No.	34*Street	35*Comm.	36*State	37*Zip	Phone No.				
NEW YORK TWIST DRILL CORPORATION	25	MELVILLE PARK ROAD	MELVILLE	NEW YORK	11747	516-293-9200				
42*Facility Operator	43*No.	44*Street	45*Comm.	46*State	47*Zip	Phone No.				
NEW YORK TWIST DRILL CORPORATION	25	MELVILLE PARK ROAD	MELVILLE	NEW YORK	11747	516-293-9200				
52*Land Owner	53*No.	54*Street	55*Comm.	56*State	57*Zip	Phone No.				
NEW YORK TWIST DRILL CORPORATION	25	MELVILLE PARK ROAD	MELVILLE	NEW YORK	11747	516-293-9200				
62*Tank Owner	63*No.	64*Street	65*Comm.	66*State	67*Zip	Phone No.				
NEW YORK TWIST DRILL CORPORATION	25	MELVILLE PARK ROAD	MELVILLE	NEW YORK	11747	516-293-9200				

70*Are chemical drums or containers stored at this site? Yes ☐ No ☐

71*Empty Drums 72*Full or Part Full 73*Waste Material 74*New Material 75*Average No. Being Stored

76*Type of Materials: New Oil Products Waste Oil Organic Solvents Other

702		703		706		707						715		716	717		718					719		720			721			701				
TANK NO.	ABOVEGROUND	UNDERGROUND	INDOORS	OUTDOORS	CAPACITY (GALLONS)	GASOLINE	NO. 2 FUEL OIL	NO. 6 FUEL OIL	KEROSENE	WASTE OIL	OTHER OIL	ORGANIC SOLVENTS	INDUSTRIAL WASTES	OTHER MATERIALS (SPECIFY)	YEAR INSTALLED AT THIS LOCATION	YES	NO	PLAIN STEEL	FIBERGLASS	BUFFHIDE	STIP-3	DOUBLE WALLED	OTHER	IN USE	ABANDONED	SUBMERSIBLE	SUCTION	GRAVITY	OTHER	PUMPED	GRAVITY	OTHER	OFFICIAL USE	
7	X		X		180									HOT WATER RINSE	65	X		X						X				X				X	82	
8	X		X		1,000									CYANIDE DESTRUCT	65	X		X						X				X		X			82	
9	X		X		1,000									CYANIDE DESTRUCT	65	X		X						X				X		X			82	
10		X		X	2,500									CYANIDE WASTE	65	X						X		X				X			X		82	
11		X	X		200								X	CYANIDE PUMPING	65	X							X	X					X		X		82	
														PIT																				

I certify that information on this application and all attachments have been reviewed and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in this application, I believe that the information is true, accurate, and complete. I understand that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date 3/15/84 Print Name JOHN W. PAETZ Signature [Signature] Title FACILITIES MANAGER

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738
(516) 451-4633

FILE

NAME OF FACILITY		OWNER / OFFICER <u>Mr. Mark Hammer Pres</u>		PAGE 1 OF	
COMPANY NAME <u>New York Twist Drill Corp.</u>		CONTACT <u>Mr. John W. Paetz</u>		516 TEL. <u>293-9200</u>	
ADDRESS <u>25 Melville Park Rd.</u>		VILLAGE <u>Melville</u>	TOWN <u>Bab.</u>	ZIP <u>11747</u>	
MAILING ADDRESS					
DATE <u>May 31, 84</u>	TIME <u>1:00 PM</u>	ORIG. <u>PERIODIC</u>	RE.	DISPOSABLE WASTE <u>NO</u>	SEWAGE SYSTEM <u>PHONIC PRIVATE</u>
INDUSTRY <u>Mfg. Drills</u>					
DOES OR DOES PERMIT? <u>YES</u> <u>NO</u>		PERMIT NO. <u>NY0075515</u>		360 PERMIT? <u>YES</u> <u>NO</u> PERMIT NO	
SCAVENGER					
SCAVENGER APPROVED <u>YES</u> <u>NO</u>		PICK UP RECORDS AVAILABLE <u>YES</u> <u>NO</u>		RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION <u>YES</u> <u>NO</u>	
EATING SYSTEM - MFG NAME				FUEL TYPE	FIRING RATE
<u>Total Interview/Inspection completed June 4, 84.</u>				<u>Yark-Shopley</u>	<u>*2-oil</u>
INCIN. NAME				WASTE BURNED	RATE
DRUM STORAGE <u>YES</u> <u>NO</u>		NUMBER STORED INDOORS OUTDOORS		TYPE OF MATERIAL STORED WASTE RAW	
STORAGE TANKS <u>YES</u> <u>NO</u>		NUMBER OF TANKS ABOVEGROUND UNDERGROUND		TYPE OF MATERIAL STORED WASTE RAW	
OPEN PROCESS TANKS <u>YES</u> <u>NO</u>		NUMBER OF OPEN PROCESS TANKS		ANY ART. XII VIOLATIONS <u>YES</u> <u>NO</u>	
① Have registered specific areas, as of 3/14/84, with SCDHS, HM-83-25 job no.					
② Pick Ups					
Bayview Environmental Services Inc. IDNO, NY0370012379					
101- E-21st Bayonne, NJ. 201-437-1044					
HAZ. WASTE - SOLIDS NOS 6150 gal. - DATE - 08/07/84					
Bayview Env. Serv. Inc. IDNO - NY0980645881					
- SAA - PADC. - PAA 3045383					
2100 gal. 08/05/83					

PERMISSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF CESSPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.

REINSPECTION SCHEDULED ON OR AFTER AS. FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY RESULT IN A HEARING AND/OR FINE. NEEDED.

SIGN. OF PERSON
REC. REPORT

TITLE

INSPECTOR

Dej

5/81

TJK

Bayonne, NJ (201) 437-1044
Manhattan, NY (212) 720
Queens, NY (212) 937-0411
East Northport, LI (516) 694-3120

William Moros

300view Environmental Services Inc.
101 E. 21st St. Bayonne, NJ 07002

Tank Cleaning, Chemical & Industrial
Waste Disposal

Jack
COUNTY DEPARTMENT
OF
LTH SERVICES

BUREAU OF ENVIRONMENTAL POLLUTION CONTROL

INSPECTION REQUEST FORM

- ☒ HAZARDOUS MATERIALS MANAGEMENT ☐ WASTEWATER MANAGEMENT
☐ AIR POLLUTION / SOLID WASTE ☐ ENFORCEMENT

FACILITY NAME / ADDRESS:

*N.Y. Twist Drill
25 Melville Park Rd
Melville*

John Puetz 293-9200

INFORMATION REQUIRED:

Underground ^{2500 gal} Barium waste

tank to be pumped and filled with H₂O

*Friday 6/15/84. Measure static water level on Friday
and recheck on Monday. All lines must be plugged.*

Call John Puetz for further info. regarding times etc.

REMARKS / REPLY: *See attached blueprint for tank layout.*

*This test went on for quite a while because first fill was too much
and I believe product was lost in seams at top of tank, 2nd test
is over and of heavy rain tank gained (+) product. Last
test resulted in loss of gas (1) inch of product. Because of the
difficulty of this test two items should be addressed in any future work
- this tank, high level alarm (product should not enter chimney); rain
should be prevented from entering tank @ two covers, seal one, berm 2nd.*

RETURN TO

RETURN BY

David Obray

DATE RETURNED

June 21, 84

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICE
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738
(516) 451-4633

COMPANY NAME New York Twist Drill		OWNER/OFFICER	PAGE 1 OF
PLANT ADDRESS Melville Park Rd.	VILLAGE Melville	CONTACT Richie	TEL. 293-9200
MAILING ADDRESS		TOWN Hunt. N.Y.	ZIP
DATE June 15, 84	TIME 2³⁰ pm	ORIG. PERIODIC <input checked="" type="radio"/> RE. <input type="radio"/>	WASTE NO WASTE <input checked="" type="radio"/> H&H <input type="radio"/>
		SEWAGE SYSTEM	PUBLIC PRIVATE

① On site to observe removal of barium rinse/sludge waste from under ground tank prior to static hydro test.

② 4000 gal. tanker → NJ SWAS 8015AE
NY JA188

Bayview Environmental Services.

NJ Lic. No. 161-TFD

CAB - Lilly Truck Leasing, #HF73448 ⑥ Over fill of tank has
NJ Comm. Lic. #XD2BW, compromised test. Discussion

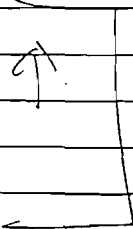
with John Pardy resulted in
restart/rewash, 2nd test will
return 8am - 19 June

③ 400 pm - liquid portion removed

④ Sludge in tank approx 8-12"

⑤

Tank filled above
lower edge of chimney,
may drip bec. of seams.



③
#2 - 13 1/2"

I ① ②

I-② = 413" / 36"

I-③ = 411" / 35"

JUNE 18, 84 - 8:00 am

JUNE 19, 84 (8:00 am)

+ 7 N.G.

+ 5 N.G.

Time 10³⁰ pm approx.

DAVID OBRIG

413

36

②

36

7

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICE
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738
(516) 451-4633

CITY		OWNER / OFFICER		PAGE 1 OF	
COMPANY NAME New York Twist Drill		CONTACT Mr. John Paetz		TEL.	
PLANT ADDRESS Melville Park Rd.		VILLAGE Melville	TOWN Hunt, N.Y.	ZIP	
MAILING ADDRESS					
DATE June 19, 84	TIME 8:00 AM	ORIG. PERIODIC	WASTE (RE.)	NO WASTE H&H	SEWAGE SYSTEM PUBLIC PRIVATE

5) Heavy rain fall over site may have contributed to additional liquid waste tank. Will have to continue test over an additional 24hr period.

6) #1-(2) = 41" - 5 Failed product loss. 08:15 AM

7) June 20-21, 84

June 20	#1-(2) = 41"	8:15 AM	} One inch of product loss.
June 21	#1-(2) = 42"	8:05 AM	
	(-1")		

DAVID OBRIG

42

36

36

7

5

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738
(516) 451-4633

Log ☒ SPDES G. WATT
New ☒ Comp ☒
ART XII SANTANA Center ☒
ART XIII Sample

Mr. Thomas Wright, Pres. ☒

NAME OF FACILITY	OWNER/OFFICER <u>Mr. Thomas Wright</u>	PAGE 1 OF
COMPANY NAME <u>New York Twist Drill Corp.</u>	CONTACT <u>Mr. John Paetz / Richard Winkhart</u>	516-TEL. <u>293-9700</u>
PLANT ADDRESS <u>25 Melville Park Rd</u>	VILLAGE <u>Melville</u> TOWN <u>Huachu</u>	ZIP <u>11747</u>

DATE <u>June 4, 84</u>	TIME <u>10⁰⁰ AM</u>	ORIG <u>PERIODIC</u>	RE.	WASTE	NO WASTE	<u>H&H</u>	SEWAGE SYSTEM	<u>PUBLIC</u>
------------------------	--------------------------------	----------------------	-----	-------	----------	----------------	---------------	---------------

INDUSTRY <u>Wdg. Drill Bbs.</u>	
SPDES OR IPDES PERMIT? <u>YES</u> NO PERMIT NO.	360 PERMIT? YES NO PERMIT NO.

SCAVENGER <u>Bureau Blackley</u>	TEL.
SCAVENGER APPROVED <u>YES</u> NO	PICK UP RECORDS AVAILABLE <u>YES</u> NO
RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION <u>YES</u> NO	

HEATING SYSTEM-MFG. NAME	<u>2x York-Shopley Inc.</u>	FUEL TYPE <u>#20.1</u>	FIRING RATE
INCIN. NAME		WASTE BURNED	RATE

DRUM STORAGE <u>YES</u> NO	NUMBER STORED <u>INDOORS</u> OUTDOORS	TYPE OF MATERIAL STORED <u>WASTE</u> <u>RAW</u>
STORAGE TANKS <u>YES</u> NO	NUMBER OF TANKS <u>ABOVEGROUND</u> <u>UNDERGROUND</u>	TYPE OF MATERIAL STORED <u>WASTE</u> <u>RAW</u>
OPEN PROCESS TANKS <u>YES</u> NO	NUMBER OF OPEN PROCESS TANKS <u>Scoreport</u>	ANY ART. XII VIOLATIONS YES <u>NO</u>

- ① Row Oil Holding Tanks - 3000 gal (cargued)
6000 gal. (cargued)
- ② Small vapor degreaser stations - 10 gal. each.
- ③ To Be Removed
Cyanide Ferrocene - cyanide floor pit - + cyanide destruct tanks.
- ④ * Need New Air Permits -> lead pot, sand blast, 1 wheel abradator
- ⑤ Registration of underground / 2000 gal / Water Sol. Oil Waste (water) tank.

PERMISSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF CESSPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.

REINSPECTION SCHEDULED ON OR AFTER _____. FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY RESULT IN A HEARING AND/OR FINE.

SIGN. OF PERSON <u>P. J. Winkhart</u>	TITLE <u>Plant Supervisor</u>	INSPECTOR <u>DAVID O'CALL</u>
---------------------------------------	-------------------------------	-------------------------------

June 27, 1984

Mr. John Paetz
New York Twist Drill Corp.
25 Melville Park Rd.
Melville, N.Y. 11747

Re: Leak Test of Underground
Barium Waste Tank

Dear Mr. Paetz:

On June 20, 1984 and June 21, 1984 measurements of the static water level in your barium waste tank were taken by Mr. D. Obrig of this office. The test revealed a loss of 1" of liquid over a 24 hour period.

Assuming a 10 ft. outside diameter precast concrete tank, the loss of liquid is calculated to be approximately 42 gallons. This is greatly in excess of the allowable leakage rate of .05 gal/hr or 1.2 gal/day for underground petroleum tanks. Your tank has, therefore, failed the leak test.

You should immediately have the tank pumped of all contaminated water and sludge. The tank cannot be used until such time as it meets all the requirements for double-walled underground tanks. This may be accomplished by inserting a tank inside the existing tank. Appropriate leak detection and high level alarms would have to be added. Applications and plans must be submitted for approval prior to construction.

I am also awaiting revised plans for the interior modifications to your facility as discussed in your letter of March 13, 1984.

You should also make arrangements to have your underground cyanide waste tank hydrostatically leak-tested within the next 30 days.

3	4	5	None.	cooling water	Heptaalsh.	Al.
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18-155:

[illegible]

AIR POLLUTION SOURCES		18-155:
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PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYPE OF EMISSION
Teach. noare		here				
Barium wash		here				
Granule destruct tanks.		here				
Sink		here				
Diptaster		here				
Car put.		here				
Nitrate furnace	low	1				
Rust strip.	low	1				
Nitrate wash tanks.		here				
Dry Grinding.	oxide	1				

Mr. John Paetz
New York Twist Drill Corp.

- 2 -

June 27, 1984

If you have any questions please do not hesitate to contact me.

Very truly yours,

Peter R. Akras, P.E.
Hazardous Materials Management

PRA/rt
cc: D. Obrig
cc: A. Santino



**NEW YORK
TWIST DRILL**
CORPORATION

25 MELVILLE PARK ROAD, MELVILLE, N.Y. 11747 • 516-293-9200 • TELEX 96-7726

RECEIVED
SEP 6 1984

September 4, 1984

WATER
REC. REG.

REGION 1 Headquarters
Building 40, SUNY
Stony Brook, N.Y. 11790

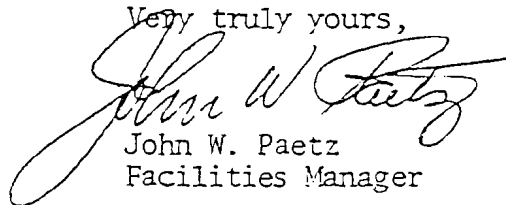
Gentlemen:

Attached please find the completed "SPDES - Discharge Monitoring Report covering the period 03-01-84 through 08-31-84".

The intent of this memo is to advise your office that New York Twist Drill Corporation is closing its manufacturing facilities in Melville, New York - our only location in New York State as of December, 1984.

Please adjust your records accordingly and remove us from your directory of manufacturers in New York State.

Very truly yours,


John W. Paetz
Facilities Manager

JWP:lvt
Att.

Specialists in The Finest Industrial Quality Cutting Tools

ON	COUNTY	DATE PRODUCED	PAGE
			of

ILITY I.D.	REPORT PERIOD	THRU

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES — DISCHARGE MONITORING REPORT



SEE THE REVERSE SIDE OF PART 4 FOR INSTRUCTIONS

PARAMETER/UNITS	OUT FALL	MONITORING LOCATION	REPORT SECTION				SAMPLE CHARACTERISTICS	
			LIMIT	MINIMUM	AVERAGE	MAXIMUM	# EX.	TYPE
			LIMIT					
			REPORTED VALUE					
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			REPORTED VALUE					

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

TYPEWRITTEN NAME AND TITLE

JAMES H. D'AMICO, FACILITIES MGR.

☐ 1 PERMITTEE☐ 2 AGENT

SIGNATURE

DATE

9/1/84

SUFFOLK COUNTY DEPARTMENT
OF
HEALTH SERVICES

BUREAU OF ENVIRONMENTAL POLLUTION CONTROL

INSPECTION REQUEST FORM

☐ HAZARDOUS MATERIALS MANAGEMENT ☒ WASTEWATER MANAGEMENT
☐ AIR POLLUTION / SOLID WASTE ☐ ENFORCEMENT

FACILITY NAME / ADDRESS: New York Twist Drill
25 Melville Park Rd.
Melville, N.Y.
John Pachtz, Fac. Mgr. 293-9200

INFORMATION REQUIRED: Please verify that above
facility has ceased opy.
at this site.

NY TWIST DRILL IS LANDFILL

REINSPECTION FOR SCAVENGER RECEIPTS
EQUIPMENT IS DISCONNECTED

REMARKS / REPLY: WINDIE LGA STATED THAT OPERATIONS WILL
BE TRANSFERRED TO N.J. & MASS. FRESH OIL WILL
BE TRANSFERRED TO THESE SITES & SPENT OIL WILL BE
SENT TO N.J. FOR FILTERING & REUSE. APPROX 50
DRUMS OF OILS WERE OBSERVED. SLUDGE LEFT FROM
BOTTOM OF COOLANT TANKS WILL BE TAKEN BY BAYVIEW
APPROX 111 EMPTY DRUMS WERE STOKED OUTSIDE WASTEWATER
TANKS ABOVE GROUND WILL BE EMPTIED. WATER FILTERING
SYSTEM IS DRY & SLUDGE WILL BE HAULED

RETURN TO Sullivan
DATE OF REQUEST 12/24/84

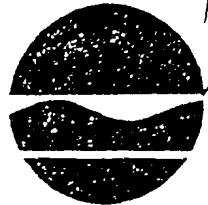
RETURN BY NSAD
DATE RETURNED _____

17 85 pc 1/1

New York State Department of Environmental Conservation

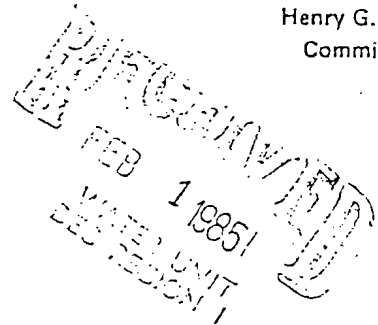
Regulatory Affairs Unit
Bldg. 40, SUNY--Room 219
Stony Brook, NY 11794

(516) 751-7900



TS
Henry G. Williams
Commissioner

January 31, 1985



New York Twist Drill Corp.
25 Melville Park Road
Melville, NY 11747

Attention: John W. Paetz, Facilities Manager

RE: Deletion of State Pollutant Discharge Elimination System (SPDES)
Permit Number NY-0075515, UPA File No. 10-84-1248, Huntington (T)

Dear Mr. Paetz:

This Department has made a determination to delete your referenced SPDES permit because you have ceased operation at this site as of December 31, 1984.

You are also hereby notified that it shall be unlawful for any person to cause a discharge of pollutants from this facility to either surface or ground waters unless a permit to do so has been issued by this Department and if applicable, any subsequent owner(s) of this facility should be advised of the requirement to obtain a permit if they intend to cause such a discharge.

Please direct any inquiries you may have to this office or call (516) 751-7900.

Very truly yours,

David De Ridder

David DeRidder
Alternate Regional
Permit Administrator

cc: A. Yerman, RWQE ✓
R. Hannaford, BWFD
J. Maloney, SCDHS

DDR:co's



**NEW YORK
TWIST DRILL**
CORPORATION

25 MELVILLE PARK ROAD, MELVILLE, N.Y. 11747 • 516-293-9200 • TELEX 96-7726

February 12, 1985

New York State Department
of Environmental Conservation
Waste Source Monitoring Section
REGION 1 Headquarters
Building 40, SUNY
Stony Brook, New York 11790

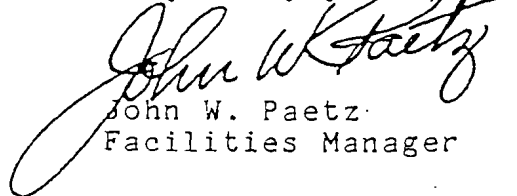
Gentlemen:

Attached please find the SPDES - Discharge Monitoring Report marked "NO TREATED DISCHARGE". Referring to our memo of September 4, 1984, we have closed the Manufacturing operations of New York Twist Drill's Melville facility and moved them to other states.

We started relocation of our equipment in September 1984 and completed the moves on December 15, 1984, at which point we no longer had any manufacturing operations in New York State.

Please adjust your records accordingly and remove us from your directory of manufacturers.

Very truly yours,


John W. Paetz
Facilities Manager

JWP:lfh
Attach.

1985 FEB 14

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738
(516) 451-4633

1518 AF

NAME OF FACILITY		OWNER/OFFICER		PAGE ____ OF ____
COMPANY NAME <i>New York Twist Drill Corp.</i>		CONTACT <i>Mr. John Paetz</i>		SLG-TEL. <i>293-9200</i>
PLANT ADDRESS <i>#25 Melville Park Rd.</i>	VILLAGE <i>Melville</i>	TOWN <i>Bab. NY</i>	ZIP <i>11747</i>	
MAILING ADDRESS				
DATE <i>June 7, 85</i>	TIME <i>10⁰⁰ AM</i>	ORIG. PERIODIC <input checked="" type="radio"/> (RE)	WASTE NO WASTE <input checked="" type="radio"/> (H&H)	SEWAGE SYSTEM <input checked="" type="radio"/> (PUBLIC) <input type="radio"/> (PRIVATE)

- ① *Dec. 20, 1984 - everything moved out.*
- ② *New Owner → Martin Yudell + Allan Yudell
Delco Development of Melville
#61 Jericho Tpk. Jericho, N.Y. 11753*
- ③ *Waste tests #1 NJA 006 2783*

<i>SW Waste Inc.</i>	<i>H&H waste solid MS</i>
<i>105 Jacobus Ave.</i>	<i>Orange</i>
<i>S. Kearney NJ</i>	<i>12/9/87 20 yds.</i>

4/1/85

#2

to waste conversion inc # P 8433
28 69 Seward St.
Hoboken Penna 19440
1/3/85
wastewater with grease 4,200 gal.

by Bayview Environmental

#3 SBA
P 8426
12/28/84
soluble cutting oil 4000 gal.

#4 SBA
P 8879
12/18/84
waste oil/water 2000 gal.

#5 SBA
P 8927
3000 gal.

June 7, 85

#6 - P-8771 - 12/29/84

light soluble cutting oil → 2000 gal.

~~~~~

1) underground waste oil tank

2) Cyanide holding tanks

3) Barium holding tanks.

↑  
① These tanks may have to be filled with clean fill to "properly abandon" them according to Art. 12, S.S.C.

② Also remove all remaining drums containing liquid or solid waste left on site.

③ All machinery has been removed from Hbl.

④ There are no apparent spills Hbl is in good shape.

DAND (3216 P13).

*J. M. [Signature]*  
6/7/85

June 24, 1985

Mr. Yudell  
Delco Development of Melville  
61 Jericho Turnpike  
Jericho, N.Y. 11753

Re: Former Site of New York Twist Drill Corp.  
Melville  
SCDHS Facility I.D. # 04-264

Dear Mr. Yudell:

A recent inspection of the former New York Twist Drill Corp. site at 25 Melville Park Rd. by this Department revealed that the company no longer occupies the facility and your firm now owns the site.

Several tanks, both aboveground and underground, are still on the site. These tanks must either be re-registered under the new ownership or properly abandoned as per Article 12 of the Suffolk County Sanitary Code.

Enclosed please find two registration forms, instructions and a fee schedule which can be completed and returned to my attention.

Abandonment of aboveground tanks and underground tanks must be performed with the procedures set forth in Article 12 (copy enclosed for your reference). Abandonment of underground tanks must be performed in the presence of a representative of this Department. This Department must be notified at least 48 hours prior to a scheduled underground tank abandonment.

Please contact this office within 14 days as to your registration or tank abandonment plans.

Mr. Yudell  
Delco Development of Melville

- 2 -

June 24, 1985

Should you have any questions please do not hesitate to  
contact me.

Very truly yours,

Vincent Frisina, P.E.  
Hazardous Materials Management

Vf/rc  
Encl.

SUFFOLK COUNTY DEPARTMENT  
OF  
HEALTH SERVICES

11/10/85  
I

BUREAU OF ENVIRONMENTAL POLLUTION CONTROL

INSPECTION REQUEST FORM

☐ HAZARDOUS MATERIALS MANAGEMENT ☒ WASTEWATER MANAGEMENT  
☐ AIR POLLUTION / SOLID WASTE ☐ ENFORCEMENT

FACILITY NAME/ADDRESS:

New York Twist Drill  
25 Melville Park Rd.  
Melville, N.Y.

John Pacht, Fac. Mgr. 293-9200

INFORMATION REQUIRED:

Please verify that above  
facility has ceased mfg.  
at this site.

REMARKS / REPLY:

6/13/85 Manufacturing portion of industry has been  
removed. Industrial waste has been removed, letters from Dept. will  
follow requiring proper abandonment of U.G. tanks.  
Site is as clean as can be expected.

David Obry PHS.

RETURN TO

RETURN BY

DATE RETURNED

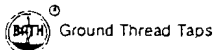
ASAP

7/13/8



*N.Y. Twist Drill*

*(04264)*



April 18, 1986

Suffolk County Department of Health Services  
15 Horse Block Place  
Farmingville, N.Y. 11738

Att: Vincent Frisina, P.E.

Ref: Underground Tank Notice

Dear Mr. Frisina:

I am returning a copy of the tank replacement notice, dated April 7, 1986 relative to our old facility at 25 Melville Park Road, Melville. We sold the building and shut down all of our manufacturing facilities in December, 1984. Only our office and warehousing operations remain in our new building in Ronkonkoma.

A representative of the Suffolk County Department of Health inspected the tanks in early 1985. All of the wastes had been removed by a Hazardous Waste Transporter with proper waste manifests. The tanks were dry, since we also had them cleaned by the Transporter Bayview Environmental. All our records were reviewed by your Inspector.

Please remove our name from your files. Any further data necessary, please do not hesitate to contact me.

Very truly yours,

*John Paetz*

John Paetz  
Facilities Manager

JP:kt  
enc.

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES  
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL  
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738  
(516) 451-4633

I.D. NO. 47060

|                                           |              |                                                |                                                                                                      |                                                                                               |                                       |
|-------------------------------------------|--------------|------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------|
| FACILITY New York Twist Drill Corp.       |              | OWNER/OFFICER Thomas Wright                    |                                                                                                      | VIOLATIONS NOTED<br>YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>       |                                       |
| COMPANY NAME SAME                         |              | CONTACT Vincent M. Dimodugno                   |                                                                                                      | TEL. 588-8800                                                                                 |                                       |
| P. NT ADDRESS 25 Howard Place             |              | VILLAGE                                        | TOWN Ronkonkoma                                                                                      | ZIP 11779                                                                                     |                                       |
| MAILING ADDRESS SAME                      |              | INSP. III                                      | HYCRO.                                                                                               | MAP COORD.                                                                                    |                                       |
| PROPERTY OWNER New York Twist Drill Corp. |              |                                                |                                                                                                      |                                                                                               |                                       |
| D. E. 9/28/89                             | TIME 3:00 PM | ORIG. <input checked="" type="checkbox"/>      | PER. RE. SAMPLE                                                                                      | ART. 7 YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>                    | ART. 10 NO <input type="checkbox"/>   |
| INDUSTRY Manuf. Industrial Cutting tool   |              |                                                | SPOES OR NPOES PERMIT YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> PERMIT NO. |                                                                                               |                                       |
| HEATING SYSTEM - MFG NAME GAS 3545        |              |                                                | FUEL TYPE GAS                                                                                        | FIRING RATE                                                                                   | TANK SIZE                             |
| NUMBER OF DRUMS<br>INDOORS 3-5 OUTDOORS 0 |              | NUMBER OF TANKS<br>ABOVEGROUND 0 UNDERGROUND 0 |                                                                                                      | SEWAGE PUBLIC SYSTEM PRIVATE                                                                  |                                       |
| S VENER Chemical Pollution Control        |              |                                                | TEL. 586-0333                                                                                        | PICK UP RECORDS AVAILABLE YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | VOLUME GENERATED APPROX. 300 GALS/YR. |

Waste manifest presented from Chem. Pollution Control for 24 GALS dated 9/11/89.

Mn. Dimodugno states his facility has been at the present location for approx. 4 yrs. The machine manual area approx. 1 YR.

I advised Mn. Dimodugno that as per ART. 12 of the Suffolk Cty. Sanitary Code no more than 250 GALS of toxic/HAZ. material i.e. cutting oil, oil's, etc. may be stored indoors without secondary containment. No outdoor drum storage of toxic/HAZ. mat.'s is permitted.

INDUSTRIAL WASTES MUST NOT BE DISCHARGED TO THE GROUND OR DISPOSED OF IN A DUMPSTER, BUT MAY ONLY BE TRANSPORTED AND DISPOSED OF BY A LICENSED INDUSTRIAL WASTE SCAVENGER FOR AN APPROVED LIST CONTACT THE N.Y.S. D.E.C. AT 751 - 7900

INSPECTION SCHEDULED ON OR AFTER \_\_\_\_\_. FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY RESULT IN A HEARING AND OR FINE.

PERMISSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF CESSPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.

|                                                     |                     |                           |
|-----------------------------------------------------|---------------------|---------------------------|
| SIGN. OF PERSON<br>REC. REPORT Vincent M. Dimodugno | SUPERVISOR<br>TITLE | INSPECTOR<br>Burt F. Carr |
|-----------------------------------------------------|---------------------|---------------------------|



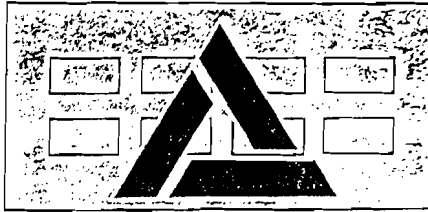
[illegible]

CONTINUED: INSPECTORS OBSERVATIONS OR INTERVIEWS

FACILITY I.D.# 04264  
COMMERCIAL BUILDING  
25 MELVILLE PARK ROAD  
MELVILLE, N.Y. 11747

9-8-92 AN INSPECTION OF THIS FACILITY REVEALED NO EVIDENCE OF A BELOWGROUND 10,000 GALLON #2 FUEL OIL TANK AT THIS LOCATION, I DID NOT OBSERVE ANY FILL OR VENT LINES AT ANY SPOT AT THE SITE. THE BUILDING IS PRESENTLY HEATED WITH LIQUID GAS AS EVIDENCED BY SEVERAL GAS METERS ON THE EAST SIDE OF THE SITE.

Peter Schramel



API MANAGEMENT SERVICES CORP.

August 19, 1992

Mr. Kenneth Clunie  
Assistant Public Health Engineer  
Suffolk County Health Department  
Bureau of Environmental Engineering  
15 Horseblock Place  
Farmingville, New York 11738

Re: Fac. I.D. #04264  
Tanks  
25 Melville Park Road  
Melville, New York

Dear Mr. Clunie:

Further to our conversation of this date regarding the above-captioned facility, please be advised that API Management Services Corp assumed management responsibilities of this facility on October 1, 1989 (API Melville Associates became the sole owner on January 17, 1991. Prior to these dates, this property was developed and managed by Delco Development Corp., with API as the financial backer).

This property was formerly known as the New York Twist Drill building. New York Twist Drill Corp. terminated their operations in this building in 1984. Delco Development Corp. began the renovation of this building from industrial to office in 1985. As we were not directly involved, we can only rely on Delco's construction files and the statements of their prior employees with whom we have been able to make contact with.

There were several tanks within the building structure, which were removed during construction, as well as the exterior heating oil tanks. The two underground tanks which remained on the property were filled with a slurry mix on September 30, 1991 as witnessed by Peter Schramel, Public Health Inspector.

We would appreciate all paperwork being corrected to reflect the above information. Confirmation of same would be appreciated.

Please contact me should you have any further questions regarding the above.

Very truly yours,

API MANAGEMENT SERVICES CORP.  
As Managing Agent for:  
API MELVILLE ASSOCIATES

*Donna L. Galligan*  
Donna L. Galligan

DLG/ahb  
#92-391

Part 12 Reg No. 4-0264 \*NEW YORK TWIST DRILL CORP\* File Ref No 4-2056

Blank listing as of 08-27-92

| N  | Location  | Vol   | Contents          | Constr | Status | Job No | Removed  | Permitted |
|----|-----------|-------|-------------------|--------|--------|--------|----------|-----------|
| 1  | UNDER OUT | 10000 | #2 FUEL OIL       | PLNSTL | 86HO   |        |          |           |
| 2  | ABOVE IN  | 500   | ORGANIC SOLVENT   | PLNSTL | 82     |        |          |           |
| 3  | ABOVE IN  | 2000  | OTHER OIL         | PLNSTL | 82     |        |          |           |
| 4  | UNDER OUT | 2500  | INDUSTRIAL WASTES | OTHRCN | 91ABD  |        | 09/30/91 |           |
| 5  | ABOVE IN  | 1650  | DRUM STORAGE      |        | 82     |        |          |           |
| 6  | ABOVE IN  | 180   | OTHER             | PLNSTL | 82     |        |          |           |
| 7  | ABOVE IN  | 180   | OTHER             | PLNSTL | 82     |        |          |           |
| 8  | ABOVE IN  | 1000  | OTHER             | PLNSTL | 82     |        |          |           |
| 9  | ABOVE IN  | 1000  | OTHER             | PLNSTL | 82     |        |          |           |
| 10 | UNDER OUT | 2500  | OTHER             | OTHRCN | 91ABD  |        | 09/30/91 |           |
| 11 | UNDER IN  | 200   | INDUSTRIAL WASTES | OTHER  | 91REM  |        | 09/30/91 |           |

MEETING:

PARK RD

REGION (STONY BEACH)

LOCATION:

MEETING:

DATE:

2/2/97

## ATTENDANCE RECORD

[illegible]

Art 12 Reg No. 4-0264 \*NEW YORK TWIST DRILL CORP\* File Ref No 4-2056

Tank listing as of 02-21-97

| N  | Location  | Vol   | Contents          | Constr | Status | Job No | Removed Permitted |
|----|-----------|-------|-------------------|--------|--------|--------|-------------------|
| 1  | UNDER OUT | 10000 | #2 FUEL OIL       | PLNSTL | 91REM  |        | 09/30/91          |
| 2  | ABOVE IN  | 500   | ORGANIC SOLVENT   | PLNSTL | 89REM  |        | 12/31/89          |
| 3  | ABOVE IN  | 2000  | OTHER OIL         | PLNSTL | 89REM  |        | 12/31/89          |
| 4  | UNDER OUT | 2500  | INDUSTRIAL WASTES | OTHRCN | 91ABD  |        | 09/30/91          |
| 5  | ABOVE IN  | 1650  | DRUM STORAGE      |        | 89REM  |        | 12/31/89          |
| 5  | ABOVE IN  | 180   | OTHER             | PLNSTL | 89REM  |        | 12/31/89          |
| 7  | ABOVE IN  | 180   | OTHER             | PLNSTL | 89REM  |        | 12/31/89          |
| 8  | ABOVE IN  | 1000  | OTHER             | PLNSTL | 89REM  |        | 12/31/89          |
| 9  | ABOVE IN  | 1000  | OTHER             | PLNSTL | 89REM  |        | 12/31/89          |
| 10 | UNDER OUT | 2500  | OTHER             | OTHRCN | 91ABD  |        | 09/30/91          |
| 11 | UNDER IN  | 200   | INDUSTRIAL WASTES | OTHER  | 91REM  |        | 09/30/91          |

Dave,  
This is a listing  
of the tank registration  
Twist Drill.  
②

Art 12 Reg No. 4-0264 \*NEW YORK TWIST DRILL CORP\* File Ref No 4-2056

Tank listing as of 02-25-97

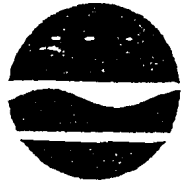
| N  | Location  | Vol   | Contents             | Constr | Status | Job No | Removed  | Permitted |
|----|-----------|-------|----------------------|--------|--------|--------|----------|-----------|
| 1  | UNDER OUT | 10000 | #2 FUEL OIL          | PLNSTL | 91REM  |        | 09/30/91 |           |
| 2  | ABOVE IN  | 500   | ORGANIC<br>SOLVENT   | PLNSTL | 89REM  |        | 12/31/89 |           |
| 3  | ABOVE IN  | 2000  | OTHER OIL            | PLNSTL | 89REM  |        | 12/31/89 |           |
| 4  | UNDER OUT | 2500  | INDUSTRIAL<br>WASTES | OTHRCN | 91ABD  |        | 09/30/91 |           |
| 5  | ABOVE IN  | 1650  | DRUM STORAGE         |        | 89REM  |        | 12/31/89 |           |
| 6  | ABOVE IN  | 180   | OTHER                | PLNSTL | 89REM  |        | 12/31/89 |           |
| 7  | ABOVE IN  | 180   | OTHER                | PLNSTL | 89REM  |        | 12/31/89 |           |
| 8  | ABOVE IN  | 1000  | OTHER                | PLNSTL | 89REM  |        | 12/31/89 |           |
| 9  | ABOVE IN  | 1000  | OTHER                | PLNSTL | 89REM  |        | 12/31/89 |           |
| 10 | UNDER OUT | 2500  | OTHER                | OTHRCN | 91ABD  |        | 09/30/91 |           |
| 11 | UNDER IN  | 200   | INDUSTRIAL<br>WASTES | OTHER  | 91REM  |        | 09/30/91 |           |

APPENDIX C

PERTINENT CORRESPONDENCES



New York State Department of Environmental Conservation  
Building 4C - SUNY, Stony Brook, New York 11790-2356  
Division of Hazardous Waste Remediation  
Telephone: (516) 444-0240  
Facsimile: (516) 444-0373



Michael D. Zagata  
Commissioner

Certified Mail/ Return Receipt Requested

September 25, 1996

George Gurney  
Rizzo Associates  
150 Trumbull St.  
4th Floor  
Hartford, CT 16103-2428

Re: Proposed Voluntary Cleanup  
25 Melville Park Rd., Melville, NY

Dear Mr. Gurney:

As we discussed earlier by telephone, a letter was previously prepared in response to your letter dated 7/29/96. However, I received the latest sampling results reported in your 8/12/96 letter report and the 8/14/96 fax with the metals results for MW-17 before I sent out that letter. These results have caused me to reevaluate the situation due to the extremely high levels detected in some of these samples. This is my revised letter.

Although, we have discussed the Department's concerns previously by telephone, I would like to put them in writing to assist you in revising the voluntary cleanup agreement work plan. The revised work plan will be distributed to the New York State Department of Health, Suffolk County Department of Health, and other involved groups in the Central Office. Consequently, the revised work plan will receive a more complete review.

The goal of the voluntary cleanup will be to remediate the on-site soil and groundwater contamination. Groundwater contamination extends off-site. However, study and remediation of this off-site contamination will not be required under the voluntary cleanup agreement. The Department will attempt to have previous owners/operators fund the off-site investigation and remediation.

The determination of the soil cleanup objectives will be according to Division Technical and Administrative Guidance Memorandum HWR-94-4046 (TAGM-4046). I have enclosed a copy for your records.

For groundwater, cleanup objectives should be selected so that eventually the groundwater leaving the site will meet GA groundwater standards. If after the completion of

the remediation, any of the on-site groundwater still exceeds GA groundwater standards, a deed restriction will be necessary to prevent current and future operators of the site from using the underlying groundwater. A number of facilities downgradient of the site are currently using the groundwater. Based on the current and past usage of the groundwater, it is the Department's goal to at least remediate the source of the contamination so that the groundwater would eventually be usable in the future.

Cleaning up chlorinated solvents in groundwater is difficult especially when Dense Non-Aqueous Phase Liquid (DNAPL) is present, as it is at this site. The Department realizes that cleaning up to GA groundwater standards may not be feasible. Consequently, we would consider proposed cleanup objectives that account for the practical limits of the selected remedial alternative. At a minimum, the portion of the voluntary cleanup that deals with the remediation of the on-site groundwater contamination should remediate the source areas to the extent possible by currently available technologies.

5/1/82  
OT  
P. 11  
S. 11  
P. 11  
P. 11

Before the on-site treatment system is designed, the extent of the on-site contamination needs to be defined better. The design of the remedial alternative should benefit from the additional data, resulting in a more efficient treatment system that will cleanup the site in a shorter time. At this time, the available data has too many gaps to be able to properly design the treatment system. Some of these data gaps follow:

#### 1. Source Areas

The source area for the plume of tetrachloroethene (PCE) has not been defined sufficiently. I agree with you that the source is most likely very near to the HP-8 location due to 3.05% of PCE detected in this hydropunch sample. The discharge point is probably located in the unsaturated zone somewhere nearby. We need to investigate this source area further. Due to the high levels detected, it is very possible that a leaking underground tank may be responsible. If it is a tank, the tank may still contain some liquids that will continue to leak. At the very least, it can be expected that the soil beneath the source area in the unsaturated zone will be contaminated. At a minimum, further soil sampling should be performed under the concrete slab for the dumpster. You may wish to use a soil gas survey to help select the best sampling locations. If the source still has not been located, some limited soil gas points inside the building north of HP-8 should be considered so that we can rule out that a source area under the building doesn't exist.

FURTHER  
INVESTIGATION  
←

Another source area may be present at the site. The inorganic results from the groundwater sample recently collected from MW-17 showed elevated detections of barium, above GA groundwater standards. It is known from the available historic information that two underground holding tanks for barium wastes were used at the site. A leak test performed on one of these tanks suggested that the tank leaked. I believe that this tank has been closed. However, due to the barium detections in MW-17, it is apparent that further investigation is needed. The area with a recent asphalt patch located north of MW-17 certainly should be one area that needs further investigation. If the tank has leaked, a remedial measure may be necessary to address this source area. Some of the wastes beneath the leaking tank are probably

FURTHER  
INVESTIGATION  
←

HP-8  
PCE  
3.05%  
hydropunch  
sample  
←

Barium  
detection  
investigation  
←

hazardous wastes since they most likely will exceed the TCLP limit of 100 mg/l for barium.

## 2. Sampling Inadequacies During Previous Investigations

### A. Cyanide Wastes

It is also known from available historic information that an underground tank was used to hold cyanide wastes. After treatment, the liquids were then discharged to nearby industrial leaching pools. Soil borings have been performed near some of these former structures with no notable detections except for some low levels of contaminants detected in boring B2. A soil sample from B-2 detected 24 ppm of cyanide. The former concrete holding tank for cyanide wastes may have been located near soil boring B-2. Additionally, due to uncertainty regarding the former location of the underground structures, we cannot be sure that all features receiving cyanide wastes have been adequately investigated. Consequently, groundwater sampling from selected monitoring wells is recommended to ensure that there is no residual cyanide contamination. At a minimum, MW-15, MW-17, and MW-13 should be sampled for cyanide. MW-1 through MW-6 and HP-1 through HP-6 were sampled for cyanide during Fugro's Investigation. Due to a considerable vertical gradient at the site, the groundwater sample at HP-2 may have been too shallow to determine whether there is groundwater contamination by cyanides originating at the former underground holding tank for cyanide wastes.

ADDITIONAL  
SAMPLING

### B. Metals

Likewise, soil samples have been collected to identify residual metals contamination. However, groundwater sampling has been incomplete for metals. HP-1, HP-2, HP-5, MW-1, MW-2, and MW-5 were sampled for dissolved metals by Fugro and MW-17 was sampled during the most recent sampling event for unfiltered metals. Fugro's water samples for metal analysis were filtered which goes against Department protocol. Additionally, a major problem with Fugro's water samples for metals is that barium was not one of the 13 metals tested. As mentioned earlier, the results from MW-17 indicate that barium is a concern. I would recommend resampling MW-15, MW-13, MW-10 and MW-14 as a preliminary screening for potential metals contamination in groundwater. Since the sample from MW-17 was turbid, this well should also be resampled to determine whether the turbidity of the sample was a factor in the results. When the location of the leaking barium tank is determined, a new well should be constructed nearby if an existing well is not suitably located. The wells should be developed so that the unfiltered samples eventually collected from the wells will have a turbidity of less than 50 NTUs. I have enclosed a guidance document on Alteration of Groundwater Samples - Collected for Metal Analysis (TAGM-4015).

ADDITIONAL  
SAMPLING

### C. Semi-Volatiles

Similarly, semi-volatiles testing during previous investigations has been limited. The former machining operations at this site can be expected to generate a considerable amount of waste oils. If any aromatic solvents were used at the site in the past, there could be aromatic volatile and semi-volatiles present. There are various references to waste oil tanks in the files.

new  
well

ADDITIONAL  
SAMPLING

There may be more than one. The exact location of the waste oil tank(s) is uncertain. Semi-volatiles are of concern at this site due to the following detections:

- a. Soil sample B2 by the suspected location for the concrete holding tank for cyanide wastes detected 420 ppm of TPH.
- b. Soil sample MW-12 (45'-47') detected 1,400 ppm of TPH which consisted of 1,100 ppm of lubricating oil and 290 ppm of #2 diesel fuel.
- c. Water sample MW-12 detected some petroleum related volatile organics. Semi-volatiles may also be present.
- d. Soils sample MW-13 (54'-54'8") detected a number of petroleum related volatile organics and 1,000 ppm of TPH consisting of 550 ppm of #2 diesel fuel and 450 ppm of lubricating oil.

Some sampling for semi-volatiles in groundwater is necessary. Sampling of wells MW-13, MW-12, MW-11, MW-8, and MW-17 would provide a good initial screening.

Water samples from MW-7, MW-8, MW-9, MW-10, and MW-11 were not tested for semi-volatiles of any kind and were only analyzed for chlorinated volatile organics by Method 601. Since semi-volatiles are of interest in MW-12 and MW-13 due to the detections noted above, it is possible that semi-volatiles will also be of interest in the other water table wells in the plume (MW-8, MW-7, MW-10, and any other new water table well constructed to characterize the plume.) This would be determined after the initial screening mentioned in the previous paragraph.

#### D. Chosen Analytical Methods for Previous Investigations

ALTERNATE  
ANALYTICAL  
METHODS

The soil samples 5'-7' and 10'-12' in the borings for MW-8, MW-9, MW-10, and MW-11 were analyzed by Method 8120 for Fugro's Additional Subsurface Investigation. The initial screening with an HNu meter of samples MW-11 (5'-7') and MW-11 (10'-12') detected 44.7 ppm and 472 ppm, respectively. No volatiles were reported on Table 4 of Fugro's October 1995 Report. The sample result sheets were not included in the report. However, Method 8120 will only detect the following compounds: 2-chloronaphthalene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, hexachlorobenzene, hexachlorobutadiene, hexachlorocyclohexane, hexachlorocyclopentadiene, hexachloroethane, pentachlorobenzenes, tetrachlorobenzenes, and 1,2,4-trichlorobenzene. These compounds are of minimal importance at this site. Further investigation by the MW-11 location to determine why there were elevated PID readings is needed. The analytical methods for the selected soil samples should include testing for the list of volatiles and semi-volatiles on the Target Compound List (TCL).

#### E. Tentatively Identified Compounds

During preparation of the revised work plan, please feel free to contact me regarding quality assurance issues. For volatile and semi-volatile samples, the analysis should also include testing for tentatively identified compounds (TICs). Some samples that have been collected for analysis have not detected any compounds. However, when these samples were first screened with the HNu meter, there were significant readings. Soil samples from HP6, B4, and MW-11 exhibited elevated PID readings. One of the possible explanations for this

apparent discrepancy could be that there may be compounds present in the sample that are not included on the list of compounds being analyzed by sample method. This is a common occurrence when aromatic volatile organics are present in a sample. Including TICs in the analysis will allow us to receive estimated concentrations of the unknowns.

### 3. Determination of the Vertical Extent of the Plume

The vertical extent of the plume of volatile organics has not been determined. As seen in the hydropunch samples collected at the MW-16 location, the highest concentrations were detected in the sample collected at approximately 25' below the water table. This seems to indicate that there is a considerable vertical gradient. Consequently, the groundwater contamination at the locations for MW-11, MW-10, MW-9, and MW-7 may be centered at a slightly deeper depth than water table screen zones for these wells. The only data we have for groundwater quality deeper than 60' are from the samples collected at MW-16D, MW-13D, and HP-6. All of the deeper groundwater samples have detected considerable concentrations of volatiles. Therefore, we have not established the bottom of the plume.

Since the discharges that caused this plume are suspected to have occurred more than 10 years ago, it is possible that a slug of groundwater contamination with higher concentrations may be present at a considerable distance from the source. The increase in concentration from MW-12 to MW-8 seems to suggest that a slug of contamination may be present. It is hard to tell from the available data whether this is the case since the variation in concentrations within the plume with depth has not been established. Better definition of the plume is needed.

Additional wells along the length of the plume should be constructed for the above reasons.

After all the additional wells have been constructed, at least one round of sampling from all the available wells within the plume for TCL volatile organics is recommended.

### 4. DNAPL

The detection of 3.05% of PCE in HP8 at 58' definitely proves that there is a zone of DNAPL at this site. This DNAPL zone needs to be better defined. Depending on the selected treatment alternative, it may be better to use a separate technology for the DNAPL zone until the high concentrations are reduced. An article discussing how soil sampling can be used to define DNAPL zones has been enclosed for your information. To select the optimum locations for the groundwater treatment system, identification of where the mass of contaminants is located is needed.

### 5. Lithology

The data on the lithology deeper than 60' is extremely limited. Unfortunately, heaving sands limited the splitspoon sampling in MW-13D. Based on well logs from nearby private wells, there is a possibility that a confining layer may be present deeper than the 90' already

drilled. The depth, thickness, and continuity of any potential confining layer needs to be established.

Splitspoon sampling extended to 77' deep in only one borehole (MW-13D) in the volatile plume. Since DNAPL is involved in this area, it is especially important that we look for a potential confining layer in the deeper aquifer in this area which is suspected as the source area. The concentrations of volatiles detected in MW-13D are still considerable.

It is recommended that splitspoon sampling every 5', starting at the water table, be included for the new wells suggested under item #3 to characterize the underlying lithology. For the splitspoon samples collected near the source area, some of these splitspoon samples could be analyzed to determine the extent of the DNAPL zone as long as water used to control heaving sands or drilling fluids do not dilute the samples. The splitspoon sampling should be planned so as to minimize the effects of heaving sands. Smaller diameter hollow stem augers for the splitspoon sampling is one possible alternative. Larger diameter augers would then be used to construct the wells. Although the Department does not like to use mud rotary for well construction, this method could be used to collect the needed lithology sampling and for deep well construction beyond the capabilities of hollow stem augers. If, out of necessity, you need to use mud rotary to install wells, please call me in advance so we can discuss the Department's concerns when this drilling method is used. Direct push technology such as geoprobes is an alternative sampling method that could be used to collect some of the data for this site. However, there is a depth limitation to this technology.

#### 6. Aquifer Parameters

Some degree of hydrogeologic analysis may be necessary to retrieve necessary data to design the treatment system and to estimate the cleanup levels for the source areas so that the groundwater eventually leaving the site will meet GA groundwater standards. Pumping and injection tests of monitoring wells may be necessary to retrieve the needed data. The groundwater flow velocity needs to be calculated. Please check with your design engineer to see what other hydrogeologic data is needed to design the system. Groundwater modeling should be used to justify the selected cleanup goals.

#### 7. Sampling of the Former Supply Well

There may still be a supply well located at the site that apparently is not in use at this time. Former uses of this well may have drawn contaminants towards the deeper aquifer where this well is screened. Sampling of this well is recommended.

---

We have already discussed most of my comments on the Preliminary Remedial Action Plan, May 1996 by telephone. I will repeat them here so that they are in writing.

1. You refer to the work plan as the "PRAP" for short. The Department also uses the acronym "PRAP", standing for Proposed Remedial Action Plan. The PRAP is prepared by the Department after the completion of the RI/FS process. To avoid confusion, please change the

name of work plan.

2. Section 3.1, Page 9 and Figure 9, Extent of Soil Contamination

The soil sample MW-13 (54-54.7) is below the water table. Consequently, we would consider this groundwater contamination. The areas of the site with soil contamination by volatile organics have not been identified yet.

3. Baseline Risk Assessment, Page 11 and Target Cleanup Goals, Page 12

The health department will review the Baseline Risk Assessment at a later date. However, I noted that the groundwater assessment only considered the public supply wells. There are many private wells that tap the aquifer. Two of them are/were located on the south side of Melville Park Rd. The proposed cleanup goals on page 13 will not be acceptable.

The Department has not yet adopted risk based assessments in its hazardous waste remediation program for establishing cleanup levels. Please see the discussion on cleanup goals presented earlier in this letter.

4. Design of remediation systems falls under NYS Education Law. There are specific professional engineering licensing requirements involved. Please contact me for further details.

5. Cost Estimates/Estimates of the Extent of Groundwater Contamination

Due to the recent sampling results, it is now obvious that these estimates are too low. There is extensive contamination at this site which will result in considerable remediation costs.

6. Section 3.2 Groundwater, page 10

The vertical extent of the contamination has not been determined and DNAPL zones have not been defined.

7. Based on the well log for the discharge well, this well is not the source of the high concentration of chlorinated solvents detected in the water table monitoring wells.

8. Some of the wells used to define the plume may be too shallow due to the vertical gradient at the site.

9. Section 3.3, Offsite, page 10

I have reviewed the files and believe that the wastes discharged at I.W. Industries have no effect on the on-site contamination at 25 Melville Park Rd.

10. Since a Supplemental Investigation will be needed, it probably will not be possible to present specific design details in the work plan. Please specify in the work plan future

submissions that will be prepared under this agreement.

11. The location of HP-6 was not shown on the site diagrams.
12. Some more details on the former investigations would be useful. Much of this information could be presented in the Appendix.
13. The pertinent historical information from your file searches should be included in the Appendix and discussed under a section entitled Site History.
14. A time schedule for the work being performed under the voluntary agreement should be included.
15. A Citizen Participation Plan needs to be developed. Please contact Dr. Joshua Epstein of this office at telephone number (516) 444-0249 for details.

Please excuse the length of my comments. These detailed comments are presented only as an aid for the preparation of the revised work plan. It is hoped that they will help you prepare a work plan mutually agreeable to both sides. The portion of my comments identified as recommendations are for your consideration only. Please feel free to proposed other ways to characterize this site in your work plan. These comments are being supplied to you prior to our planned meeting so that we can discuss them together at that time.

The voluntary cleanup agreement work plan should include a detailed plan for the collection of the additional data needed to design the treatment system. USEPA guidance documents for Remedial Investigations will be useful for the preparation of the investigation work plan. A Quality Assurance Project Plan (QAPP) needs to be included in this plan.

---

Our Technology Section has been provide with a copy of the Draft Work Plan and the separate letter dealing with In-Situ Chemical Oxidation. They have concluded that both proposed remedial alternatives are promising. As stated earlier, further data is needed to design any treatment system and establish whether the proposed alternatives will work under the geological conditions at the site.

Regarding the In-Situ Chemical Oxidation alternative, the use of hydrogen peroxide and Fenton's Reagent to oxidize chlorinated organic contaminants is well established in the literature at bench-scale. However, as with any other technology, the translation of bench-scale results to full-scale field operation may not follow easily. Nevertheless, there is sufficient information to support the application of this technology to the Melville site. The proposal to conduct a pilot study is encouraged. The results of a properly designed pilot study would be used to determine whether this technology is feasible at this site. The details for this Pilot Study should be expanded in the appropriate work plan(s) that will be prepared by the chosen firm to design this treatment system. I have enclosed some articles on this technology for your information. Since a number of companies are mentioned in this information, please note that the Department has not reviewed nor do we endorse any of these companies. Furthermore, the



Department does not know whether the enclosed information is accurate.

The extent of the metals contamination has not been established. Consequently, we do not know whether treatment of the groundwater for metals will be necessary. However, please note that neither air sparging nor In-Situ Chemical Oxidation will remediate metals contamination in groundwater. Should the metals contamination be greater than initial indications, a separate treatment technology for metals removal from groundwater may be necessary. Hopefully, most of the metals contamination will be confined to the soils immediately beneath the tank and a source removal or solidification in the unsaturated zone will be all that is necessary.

The Department is impressed with your efforts to develop an acceptable work plan for a voluntary cleanup at the 25 Melville Park Road site. I am sure that an agreement acceptable to all parties can be worked out shortly.

If there is anything I can do to help move things along or if you have any questions, please do not hesitate to call me at (516) 444-0244. Please call if you have any specific questions when you are preparing the revised work plan. I have enclosed some other guidance documents that may be useful to you.

Please provide 6 copies of the revised work plan. I'll distribute them to the reviewers.

Sincerely,

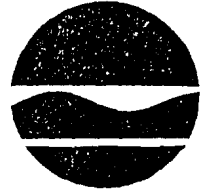


Robert R. Stewart  
Environmental Engineer I

Enclosures

cc w/out encl.: R. Becherer  
J. Harrington  
S. Swanston  
J. Epstein  
S. O'Hara, J. E. Robert Companies

New York State Department of Environmental Conservation  
Building 40 - SUNY, Stony Brook, New York 11790-2356  
Division of Environmental Remediation  
Telephone: (516) 444-0240  
Facsimile: (516) 444-0373



John P. Cahill  
Acting Commissioner

February 13, 1997

David Keil, Project Manager  
Camp Dresser & McKee  
100 Crossways Park West  
Woodbury NY 11797

Re: Draft Investigative Work Plan, January 1997  
25 Melville Park Road, Melville

Dear Mr. Keil:

Thank you for the submission of the Draft Investigative Work Plan for the 25 Melville Park Road site in Melville. The New York State Department of Environmental Conservation (NYSDEC) with assistance from the New York State Department of Health (NYSDOH) and the Suffolk County Department of Health Services (SCDHS) has completed its review of the subject work plan. We offer the following comments:

**1. Acceptance of Data from Previous Investigations**

Previous investigations have been completed at this site. None of the data from these investigations was subject to strict quality assurance review. At this time, we believe that the bulk of this data is valid. I did note that soil sample MW-11 (10'-12') was not delivered to the laboratory within 48 hours. Consequently, this data has been determined to be unusable.

The Department will be comparing the validated results from this investigation to the previous sampling results. In the event that any of the old data and the new data exhibit marked differences, the Department may find that portion of the old sample results to be unusable. In particular, the acceptability of the results for the groundwater sample at HP-2 will be determined after the source area has been identified. The low concentrations in HP-2 and the high concentrations detected in the nearby groundwater sample collected at HP-8 have drawn my attention.

**2. Resume of the Quality Assurance Officer**

The name and resume of the Quality Assurance Officer are needed.

### 3. Selection of the Analytical Laboratory

The proposed analytical methods in Table 1 are CLP methods but the selected analytical laboratory Ecotest is not certified by NYSDOH ELAP for CLP category. A different laboratory with CLP certification should be contracted to perform the analytical work.

### 4. Health and Safety Plan

Please include a Health and Safety Plan. I have also included comments submitted by the NYSDOH regarding health and safety issues for the community and for those people working in the building. Please address their comments.

### 5. Vertical Extent of the Plume of Chlorinated Solvents, Section 1.2

The network of monitoring wells at the site are mostly water table wells. Most of the water table wells only screen the top 6 feet of the water table (50'-56'). The two deep wells are screened at 80'-90'. Consequently, there are two gaps in the data regarding the vertical extent of the plume. The concentrations in the interval between 56' and 80' and the concentrations beyond 90' are unknown. The work plan has satisfactorily addressed sampling of the groundwater deeper than 90' with the construction of the two new wells. However, further data is needed in the interval between 56' and 80'.

The three hydropunch groundwater samples collected at 61', 76', and 86' at the MW-16 location near the southern property border provided useful data on interval between 56' and 80'. Since the sample collected at 76' contained the highest concentrations of the three samples, a significant vertical gradient is indicated. This means that vertical center of the dissolved plume appears to be located beneath the screen zone of many of the water table wells.

To close this data gap, I recommend that two additional groundwater samples be collected at or near the two new wells from the interval between 56'-80'. Specifically, samples collected at 64' and 72' from each of the two proposed monitoring well borings are recommended. Hydropunch samples or temporary well screens in these two borings would be acceptable methods to collect these samples. These samples only need to be analyzed for chlorinated solvents.

### 6. Split Spoon Sampling, New Monitoring Wells, Section 1.2, page 4-4

For the new monitoring well borings, the work plan proposes that split spoon samples will be collected every 5 feet. By telephone, you indicated that split spoons will be collected starting at the water table. These borings will be constructed with hollow stem augers. This is acceptable. However, please note that there was considerable heaving (running) sands during the construction of MW-13D even with the use of a head of water to prevent this condition. Methods should be implemented to minimize heaving sands. Small diameter

hollow stem augers could be used for collecting the split spoon samples. Larger diameter augers with a plug at the end that would be knocked out at the appropriate depth could then be used for well installation. Other alternatives are available for controlling the heaving sands.

## **7. Turbidity of Groundwater Samples**

Since the existing monitoring wells were installed by a number of different contractors, it is possible that a proper gravel pack may not have been placed around the screen zone of some of the wells. In the event that the turbidity of the groundwater cannot be reduced to the Department's 50 NTU guidance value, you may wish to consider the following two options:

- a. Submission of a filtered sample along with the unfiltered sample for metals, or
- b. Decanting of the samples for metals and semi-volatile analysis.

If decanting of the sample is chosen, please contact me for guidance. Regarding filtration of the samples, I have enclosed the Department's guidance document entitled "Alteration of Groundwater Samples Collected for Metals Analysis".

## **8. Groundwater Samples Collected at the Water Table, Section 1.1, Page 4.4**

For any groundwater sample collected at the water table, please collect the sample at least 4' below the water table.

## **9. Former Barium Tank**

According to SCDHS records, the concrete barium tank was abandoned in place, not removed as suggested on page 4-4.

On page 4-4, it is stated that the barium tank is located by an asphalt patch in the eastern parking lot. The asphalt patch I referred to on page 2 of my 9/25/96 letter was not the asphalt patch by borings B-2 and B-7 as shown on figure 4. I was referring to the smaller asphalt patch between MW-15 and boring B-2 as shown on ERI's Site Plan, figure 2. I have enclosed ERI's figure 2 with this letter. Former plans show that the barium tank is located to the south of the large asphalt patch in figure 4. Consequently, the location of the proposed soil boring to investigate this tank, as shown on figure 4, is improperly located.

The reason that the closure of this tank has become an issue is due to the detection of 1.65 ppm of barium in MW-17. The groundwater standard for barium in class GA groundwater is 1 ppm. I agree that the turbidity of this sample may have affected the results. However, I would like to note that MW-17 is approximately 60' downgradient of the smaller asphalt patch that I suspect as the former tank location. The concentrations in the groundwater near to the tank are probably considerably higher. There isn't a downgradient well near to the small asphalt patch. Consequently, I am requesting that the proposed soil boring for this tank be constructed in the event that any groundwater sample downgradient of the small asphalt patch exceeds 0.7 ppm of barium. This concentration is above the typical

background concentration for barium in Long Island groundwater. If 0.7 ppm of barium is detected in any of the existing or proposed wells, it is likely that the groundwater near the source of the barium contamination will exceed the groundwater standard.

Soil boring(s), if necessary, in the presumed barium source area should be constructed as close to the former tank as possible or angle boring(s) can be used to sample beneath the tank.

**10. Contingencies, page 4-6**

So far, it has been difficult to locate the source area at this site. If for some reason, the proposed soil borings and proposed ground penetrating radar/magnetometer survey fail to identify the source area, the Department expects that further investigation will be implemented to locate the source area. This might include soil borings and/or groundwater sampling inside the building. A limited soil gas survey inside the building might also be useful.

Other investigation needs may become apparent after the results of this investigation are available. If this occurs, a meeting will be set up to discuss this with you and your client so that a mutually agreeable Supplemental Investigation can be agreed upon.

**11. Task 2: Report/Recommendation, page 4-6**

Under this section, only one revision is permitted by NYSDEC. Occasionally, it is necessary for more than one revision especially if there are a large number of comments on the first draft. Consequently, the Department cannot agree to this provision.

**12. Sample Parameters, Table 1**

Matrix Spike/Matrix Spike Duplicate samples are required for CLP methods. Please contact Mr. Amitava Chakraborti with our Quality Assurance Unit for details on quality assurance issues at telephone number (518) 457-3252.

**13. Soil Sample MW-11 (10'-12')**

A reading of 472 ppm was detected on an HNu meter during field screening of soil sample MW-11 (10'-12'). The analytical results from this 5/18/95 soil sample has been found to be unusable as explained under comment #1. Recollection of this sample with analysis for total volatiles by NYSDEC ASP Method 91-1 is recommended.

**14. Citizen Participation**

Since it is expected that this investigation will be completed in a relatively short period, citizen participation activities will not be required prior to the commencement of work. Extensive citizen participation activities are not called for at this juncture. None the

less, after the investigative report has been approved by the NYSDEC, two copies of the final report should be submitted to Dr. Joshua Epstein, our Citizen Participation Specialist, for the establishment of a regional and local information repository. To notify the public of these repositories and of the availability of the final report, the NYSDEC will prepare a press notice to be distributed to the local weeklies and Newsday's "Government Watch" section, when appropriate.

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Please excuse the length of these comments. In general, the Department is pleased with your submission. Only minor revisions are needed. Please submit a revised work plan within 30 days from your receipt of this letter.

If you have any questions or if you disagree with any of these comments, please do not hesitate to call me at (516) 444-0244.

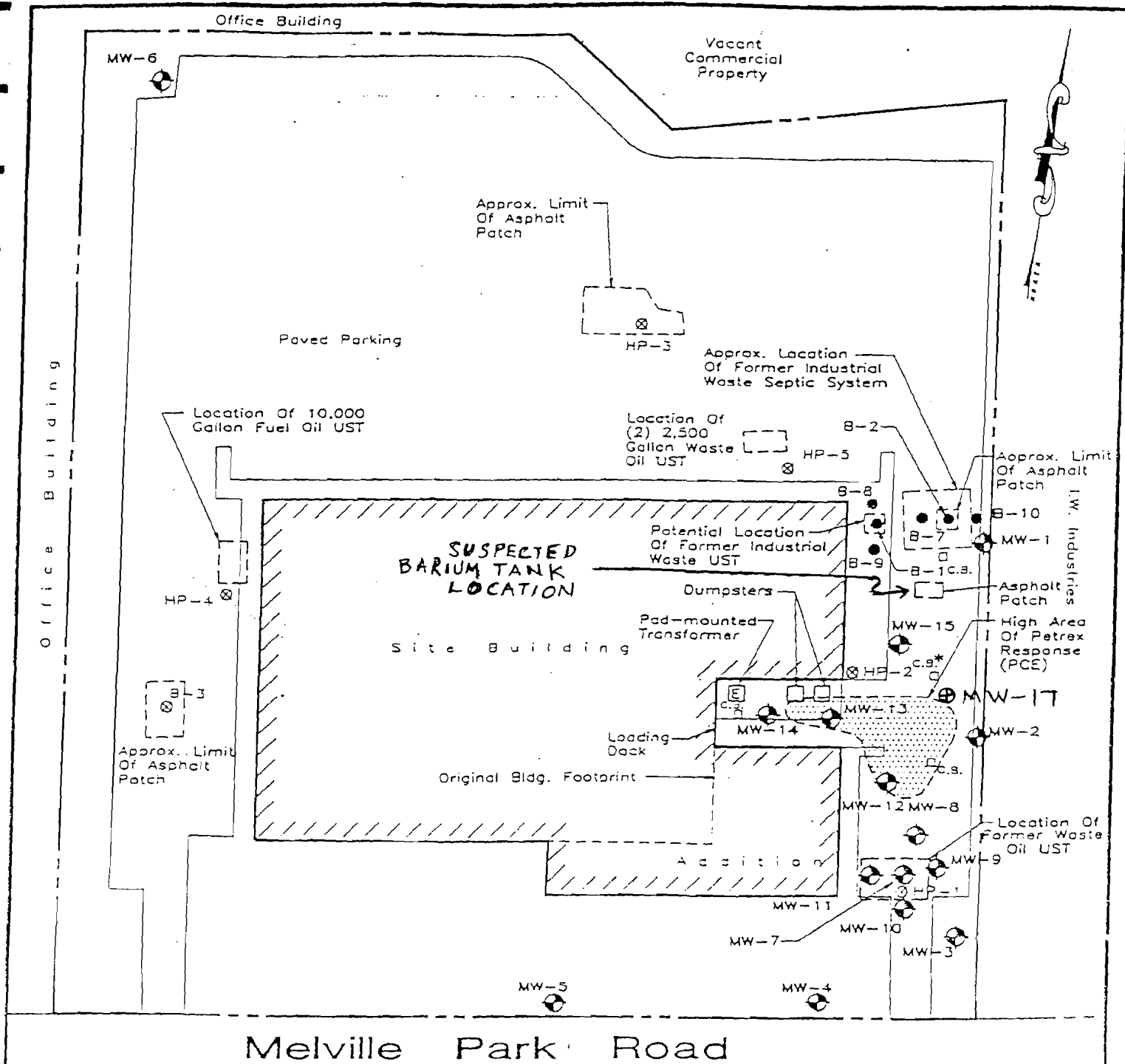
Sincerely,



Robert Stewart  
Environmental Engineer I

Enclosures

cc: R. Becherer  
J. Swartwout  
R. Cozzy  
J. Byrne  
A. Chakraborti  
G. Laccetti, NYSDOH  
G. Fitzpatrick, SCDHS  
S. O'Hara, Archon Group L.P./WHCS RELP  
S. Backer, Archon Group L.P./WHCS RELP  
C. McKenzie, Beveridge & Diamond. P.C.  
C. Velsor, Jr., Camp Dresser & McKee



# LEGEND

- MW-12 Monitoring Well Location
- B-4 Boring Location
- HP-5 Existing Monitoring Well/Boring Locations
- C.B.\* Catch Basin Inlets From North And Northwest (10" PVC, 10" Aluminum, 4" Unknown)

General Instrument

**ERI**  
87 Church Street - East Hartford, Connecticut 06108

25 Melville Park Road  
Melville, New York  
Project No.: 7150-96

Date: February, 1996  
Scale: 1"=20'  
Reference Maps: Information taken from site reconnaissance & Fugro Site Plan.

**SITE PLAN**

Figure

2



STATE OF NEW YORK  
DEPARTMENT OF HEALTH

Office of Public Health

11 University Place

Albany, New York 12203-3399

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

Dennis P. Whalen  
Executive Deputy Commissioner

February 13, 1997

Mr. Robert Stewart  
NYS Department of Environmental Conservation  
Building 40 - SUNY  
Stony Brook, NY 11790-2356

RE: New York Twist Drill  
Melville, Suffolk County  
Site # 152516

Dear Mr. Stewart:

I have reviewed the work plan for the Voluntary Investigation at the referenced site. As we have discussed, the volunteer will not be investigating off-site impacts of this site. Because of the high levels of chlorinated solvents found in groundwater at this site (10 ppm) the state should move to define off site impacts, particularly the movement of the plume in the sole source aquifer.

At present, the work plan does not provide for the vertical definition of groundwater contamination on-site. Also, the work plan contains no health and safety plan. The attached Community Air Monitoring Plan should be incorporated into a health and safety plan for the investigation. The plan that calls for sampling on a 2-hour interval is sufficient for work outside the building. If work is performed inside the building in the future, the plan that calls for continuous monitoring should be used.

If you have any questions regarding this matter, please call me at 518-458-6305.

Sincerely,

A handwritten signature in black ink, appearing to read "Geoffrey J. Laccetti".

Geoffrey J. Laccetti  
Environmental Health Specialist III  
Bureau of Environmental Exposure  
Investigation

cc: Dr. A. Carlson  
Mr. S. Bates  
Mr. S. Robbins - SCHDS  
Mr. R. Becherer - DEC Region 1

lmw/t:\bee\southern\geoff\stewart.ltr



Community Air Monitoring Plan  
(Ground Intrusive Activities)

Real-time air monitoring, for volatile compounds and particulate levels at the perimeter of the work area is necessary. The plan must include the following:

- Volatile organic compounds must be monitored at the downwind perimeter of the work area on a continuous basis. If total organic vapor levels exceed 5 ppm above background, work activities must be halted and monitoring continued under the provisions of a Vapor Emission Response Plan. All readings must be recorded and be available for State (DEC & DOH) personnel to review.
- Particulates should be continuously monitored upwind, downwind and within the work area at temporary particulate monitoring stations. If the downwind particulate level is 150  $\mu\text{g}/\text{m}^3$  or greater than the upwind particulate level, then dust suppression techniques must be employed. All readings must be recorded and be available for State (DEC & DOH) personnel to review.

Vapor Emission Response Plan

If the ambient air concentration of organic vapors exceeds 5 ppm above background at the perimeter of the work area, activities will be halted and monitoring continued. If the organic vapor level decreases below 5 ppm above background, work activities can resume. If the organic vapor levels are greater than 5 ppm over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided:

- the organic vapor level 200 ft. downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over background.

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety Officer will be implemented to ensure that vapor emission does not impact the nearest residential or commercial structure at levels exceeding those specified in the Major Vapor Emission section.

Community Air Monitoring Plan  
(Ground Intrusive Activities)

Major Vapor Emission

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work area or half the distance to the nearest residential or commercial property, whichever is less, all work activities must be halted.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the work area, then the air quality must be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If efforts to abate the emission source are unsuccessful and if the following levels persist for more than 30 minutes in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be placed into effect;

- if organic vapor levels are approaching 5 ppm above background.

However, the Major Vapor Emission Response Plan shall be immediately placed into effect if organic vapor levels are greater than 10 ppm above background.

Major Vapor Emission Response Plan

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts as listed in the Health and Safety Plan of the Work Plan will go into effect.
2. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation.
3. Frequent air monitoring will be conducted at 30 minutes intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

92275PR00524

Community Air Monitoring Plan  
(Non-Intrusive Activities)

Real-time air monitoring, for volatile compounds and particulate levels at the perimeter of the work area is necessary. The plan must include the following:

- Volatile organic compounds must be monitored at the downwind perimeter of the work area daily at 2 hour intervals. If total organic vapor levels exceed 5 ppm above background, work activities must be halted and monitoring continued under the provisions of a Vapor Emission Response Plan. All readings must be recorded and be available for State (DEC & DOH) personnel to review.
- Particulates should be continuously monitored upwind, downwind and within the work area at temporary particulate monitoring stations. If the downwind particulate level is 150  $\mu\text{g}/\text{m}^3$  or greater than the upwind particulate level, then dust suppression techniques must be employed. All readings must be recorded and be available for State (DEC & DOH) personnel to review.

Vapor Emission Response Plan

If the ambient air concentration of organic vapors exceeds 5 ppm above background at the perimeter of the work area, activities will be halted and monitoring continued. If the organic vapor level decreases below 5 ppm above background, work activities can resume but more frequent intervals of monitoring, as directed by the Safety Officer, must be conducted. If the organic vapor levels are greater than 5 ppm over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided:

- the organic vapor level 200 ft. downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over background, and
- more frequent intervals of monitoring, as directed by the Safety Officer, are conducted.

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety Officer will be implemented to ensure that vapor emission does not impact the nearest residential or commercial structure at levels exceeding those specified in the Major Vapor Emission section.

Community Air Monitoring Plan  
(Non-Intrusive Activities)

Major Vapor Emission

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work area or half the distance to the nearest residential or commercial property, whichever is less, all work activities must be halted.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the work area, then the air quality must be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If efforts to abate the emission source are unsuccessful and if the following levels persist for more than 30 minutes in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be placed into effect;

- if organic vapor levels are approaching 5 ppm above background.

However, the Major Vapor Emission Response Plan shall be immediately placed into effect if organic vapor levels are greater than 10 ppm above background.

Major Vapor Emission Response Plan

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts as listed in the Health and Safety Plan of the Work Plan will go into effect.
2. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation.
3. Frequent air monitoring will be conducted at 30 minutes intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

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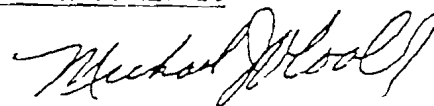
RECEIVED 1988

## New York State Department of Environmental Conservation

## MEMORANDUM

TO: Regional Solid & Hazardous Waste Engineers, Bureau Directors & Section Chiefs  
FROM: Michael J. O'Toole, Jr., Director, Division of Hazardous Waste Remediation  
SUBJECT: DIVISION TECHNICAL AND ADMINISTRATIVE GUIDANCE MEMORANDUM POLICY REGARDING  
ALTERATION OF GROUNDWATER SAMPLES COLLECTED FOR METALS ANALYSIS  
DATE:

SEP 30 1988

A) Objective

The purpose of this Technical and Administrative Guidance Memorandum (TAGM) is to clarify the New York State Department of Environmental Conservation's (NYSDEC) Division of Hazardous Waste Remediation's policy of non-alteration of groundwater samples collected for metals analysis, as well as provide guidance for situations where the policy may be amended. This TAGM has been developed for the most commonly encountered form of alteration (as defined in Section B), which is filtration (as defined in Section B), but the policy applies to all forms of groundwater sample alteration which may be encountered.

(\*Note: This guidance is for situations involving groundwater samples collected for metals analysis only. It does not apply to surface water, waste or samples at active sites or State Pollution Discharge Elimination System discharges where the proper handling of samples may be dictated by other guidance or protocols.

Department policy regarding water samples collected for the analysis of organic compounds is expressly stated, in an Executive Memorandum dated May 3, 1985, from Commissioner Williams to Executive Staff, Division Directors, and Regional Directors, as follows: "Water samples utilized in the assessment, investigation, remedy, study, construction, monitoring or any other activity shall not be altered prior to analysis.")

B) Definitions

"Alteration" - changing the sample in any way other than adding a preservative, such as nitric acid, to lower pH. Examples of alteration include, but are not limited to: filtering, settling and decanting, centrifuging and decanting, and acid extracting.

"Filtration" - the filtering of a groundwater sample collected for metals analysis, through any membrane, fabric, paper or other filter medium irrespective of pore size, in order to remove particulates from suspension; it is to be done in the field, at time of collection, prior to preservation.

"Preservation" - the preserving or "fixing" of metal ion constituents in a groundwater sample, so as to avoid precipitation, biodegradation, or loss of the ions from the sample. Methods utilized are as listed in the New York State Contract Laboratory Protocol (NYSCLP). Generally they involve the reduction of sample pH to <2 with HNO<sub>3</sub> (nitric acid).

"Well Development" - the application of energy to a newly installed groundwater monitoring well in order to allow the natural hydraulic properties of the screened formation to return, thus allowing water to flow more freely to the well. It may also allow the removal of any formation material that may have infiltrated the sandpack and/or well during installation.

"NTU" - nephelometric turbidity unit; this is the unit by which turbidity is measured and discussed.

"50 NTU maximum" - target turbidity level for development and sampling of groundwater monitoring wells; any higher and the sample may be considered unacceptable. This is the level above which laboratory analysis problems may occur.

"Split Sample" - a single sample divided into aliquots.

"ARAR's" - Applicable or Relevant and Appropriate Requirements, as defined by the Superfund Amendments and Reauthorization Act of 1986 (Section 121).

"RCRA" - Resource Conservation and Recovery Act.

c) Existing Guidance

In accordance with 40 CFR 136, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act; Final Rule and Interim Final Rule and Proposed Rule, Section 40 CFR Part 136.3, Table IB, Note 3, states a sample collected "for the determination of total metals... is not filtered before processing," whereas Section 40 CFR Part 136.3, Table II, Note 7, states for samples collected for dissolved metals analysis "should be filtered immediately on-site before adding preservative..."

Information provided in the RCRA Groundwater Monitoring Technical Enforcement Guidance Document, 1986, USEPA-OWPE, OSWER-9950.1, P. 114, is as follows:

"Metallic ions that migrate through the unsaturated (vadose) and saturated zones and arrive at a groundwater monitoring well may be in the well. Particles (e.g., silt, clay), which may be present in the well even after well evacuation procedures, may absorb or adsorb various ionic species to effectively lower the dissolved metal content in the well water. Groundwater samples on which metals analysis will be conducted should be split into two portions. One portion should be filtered through a 0.45-micron membrane filter, transferred to a bottle, preserved with nitric acid to a pH less than two, and analyzed for dissolved metals. The remaining portion should be transferred to a bottle, preserved with nitric acid, and analyzed for total metals. Any difference in concentrations between the total and dissolved fraction may be attributed to the original metallic ion content of the particles and any sorption of ions to the particles."

Information provided in the RCRA Comprehensive Groundwater Monitoring Evaluation Document, March 1988, USEPA-OWPE, Directive 9950.2, p.22, is as follows:

## "Metals"

1. Samples collected for metals analysis should be split into two samples. One portion filtered through a 0.45 micron filter for dissolved metals and the second portion remaining unfiltered for total metals analysis. Samples should be filtered as soon as possible to minimize the impacts of pH and Eh changes."

Present Division guidance on filtering of groundwater samples collected for metals analysis consists of a memorandum from N. Nosenchuck, Director, Division of Solid and Hazardous Waste, to P. Buechi, Region 9 Solid Waste Engineer, dated January 21, 1987, in response to a memorandum from P. Buechi to N. Nosenchuck, dated December 4, 1986, in which Mr. Buechi inquired about the policy of the Division regarding the filtration of samples collected for metals analysis. The response memorandum stated the Division policy as follows:

"The Division of Solid and Hazardous Waste guidance is that samples submitted for metals analysis not be filtered prior to analysis. This general guidance, however, can be amended on a case-by-case basis, when it can be shown that a compelling reason exists for sample filtration. Such reasons could include the modeling of water treatment processes or the determination and/or elucidation of adsorptive distribution phenomena. Ground and surface water samples collected for the purpose of generating monitoring data or for site investigation must be analyzed whole."

## D) Discussion

### 1) Goals of Site Investigations (Remedial Investigation/Phase II)

Generally, for the State Superfund program, the reasons for taking a groundwater sample at an inactive hazardous waste disposal site are:

- a) to determine whether or not a significant threat to health or the environment exists;
- b) to characterize the site from the point of view of past history, present situation and any future actions that may be necessary;
- c) to determine the nature and extent of contamination; and
- d) to obtain sufficient data to support the choice of a remedy in the feasibility study.

### 2) Obtaining These Goals

First, to accomplish the above goals, the results of the sample analysis are compared with standards, guidelines and other ARAR's, as one element of determining whether or not a significant threat to human health or the environment exists. Because Part 703 groundwater standards and the State Health Department's drinking water standards are all based on samples that are not altered, samples from sites must be analyzed in their unaltered state so that a valid comparison can be made.

Second, characterization of the site, determination of the extent of contamination, and preparation of feasibility studies involve broadening the scope of work to include past and future conditions. Groundwater may be used in the future for drinking or irrigation purposes, or it may travel through the ground and intercept a well being used for potable water. Consequently, samples

must be analyzed with these possibilities in mind. In order to investigate the significance of future use of groundwater at a site, groundwater monitoring wells must mimic such future use. Since groundwater is almost never filtered before being consumed or otherwise utilized, samples for site characterization must not be filtered as a standard procedure. In other words, analytical results obtained from filtered samples may not be representative of future use of the groundwater resource, and thus would not be particularly useful for evaluating the potential future toxicological impact of site contamination.

A counter-argument that has been raised is that the particulate matter in groundwater travels little distance, if at all, and therefore should not be evaluated as part of the groundwater resource that could be pumped out of the ground. The following is a rebuttal to such a counter-argument:

- a) desorption caused by a change in water chemistry, and sometimes caused merely by changes in the concentrations of constituents, can allow metals on particles to move through groundwater even though particles themselves are remaining stationary; and
- b) there is recent circumstantial evidence that fine (colloid-size) particles are moving through the pores of coarse-grained (sand and gravel) deposits allowing the movement of sorbed contaminants (EPA document number CERI-87-45, "Seminar on Transport and Fate of Contaminants in the Subsurface").

In addition, wells which produce water via secondary permeability (i.e. fractures in bedrock) might produce water which may have substantial suspended sediment within it. This material is not to be filtered out.

#### E) General Guidance for Alteration of Samples

- 1) Non-alteration of groundwater samples collected for metals analysis shall be the standard operating procedure for the Division. It is never to be assumed or written into Phase II or Remedial Investigation workplans that alteration of samples is or will be allowed or expected.
- 2) In cases where turbidity of water samples collected for metals analysis exceeds the maximum allowable level for analysis, as allowed by the Division (50 NTU), NYSDEC will review the circumstances to determine the course of action. Samples having a turbidity greater than 50 NTU's are not to be filtered as a standard procedure. Samples below 50 NTU's are never to be filtered. The rationale for any proposed filtration must be reviewed and approved by a NYSDEC QA/QC officer prior to it being effected.
- 3) When unacceptably turbid groundwater samples are produced from a well, filtration is not to be considered unless Division technical staff are certain the well was properly designed, installed, constructed, developed, maintained, and sampled. Filtration is never to be the "cure" for improperly built/developed wells which produce turbid samples. Attempts should be made to repurge and/or redevelop, or replace, the well as necessary (see: Decision Flow Chart, Figure 1), and to confirm, with documentation, proper well construction and installation. The Division's technical staff who are involved must utilize best professional judgement in such cases to determine if the monitoring well has proper integrity.



(See RCRA TEGD, pp. 93-4, for discussion.) If, after a best effort at continuous development, (as agreed to by NYSDEC), it is apparent the 50 NTU's is unattainable in particular well, a decision shall be made on a case-by-case basis to:

- a) install a new well at the same location (this would be based on the conclusion that the well assembly, filter pack, seals, and/or grout could be reinstalled so as to significantly reduce turbidity);
- b) install a new well in a different (either vertically or horizontally) location; or
- c) accept the present well as the best well attainable by reasonable means.

#### F) Requirements For Allowing Filtration

Filtration of properly produced groundwater samples on which analysis for metals is to be performed will be allowed only if samples of unacceptably high turbidity are unavoidable. In this case, the following protocol must be followed:

- 1) Filtration as discussed in this context involves filtering as defined in Section B of this TAGM. It should be performed consistent with the methods in the November, 1986, Environmental Protection Agency document entitled "Test Methods for Evaluating Solid Waste" (EPA-SW846).
- 2) At no time are filtered samples to be collected without an accompanying unfiltered sample. Groundwater samples are to be collected using a minimally disturbing method (i.e. low rate bladder or peristaltic pumping, bailing, etc.). Two samples will be collected, the first of which will be preserved immediately in an unaltered state, the second being filtered and preserved immediately. The turbidity of the samples should be recorded at the time of collection. If split samples are required, then both the filtered and unfiltered samples should be split.
- 3) Due to the relatively long holding time allowed for most metals, the following is recommended:
  - a) Analyze the unfiltered sample first.
  - b) If the unfiltered sample exceeds ARAR's, analyze the filtered sample.
  - c) If the unfiltered sample meets ARAR's, there is no need to analyze the filtered sample.
- 4) Filtration methodology must be such that changes in water chemistry of the sample are minimized. Any precipitates which may form upon removal of the sample from the well (e.g. iron floc) must not be filtered out, but redissolved by acidification/preservation. The

methodology to be used must be reviewed and approved by a NYSDEC QA/QC officer prior to implementation.

- 5) Thorough documentation of the procedure(s) used is required, so that analytical results may be properly interpreted.
- 6) It may be necessary to design the analytical program to be able to answer the question whether metal contaminants are naturally occurring, or whether they were introduced through man-made activities, by analyzing upgradient and background wells by this same method. A best possible effort should be made for obtaining a "clean" or uncontaminated sample of the horizon which is being screened, so as to allow a comparison of contaminant data to naturally occurring metal ion concentrations in the aquifer matrix. This may be of critical importance, considering the potentially wide concentration ranges of various elements in native soils (Dragun, 1988).

#### G) Related Issues

##### 1) Goals Determination

The goals for, and the type of information desired from, the groundwater sampling program must be determined prior to the commencement of any field work. If well integrity is found to exist, and turbidity is less than 50 NTU, then filtration is not considered. When considering filtration, adsorptive phenomena must also be taken into account for a proper perspective when making this decision. It must not be assumed that the groundwater and aquifer material are in equilibrium. The reactions between solid, liquid, and solution phases are complex, being defined by reduction-oxidation reactions and pH as they affect solubility and exchange reactions (Trela, 1985, Lindsay, 1979). These relationships may be altered by removal of the sample from the well, and subsequent exposure to the atmosphere (Stolzenburg and Nichols, 1985).

##### 2) Well Development

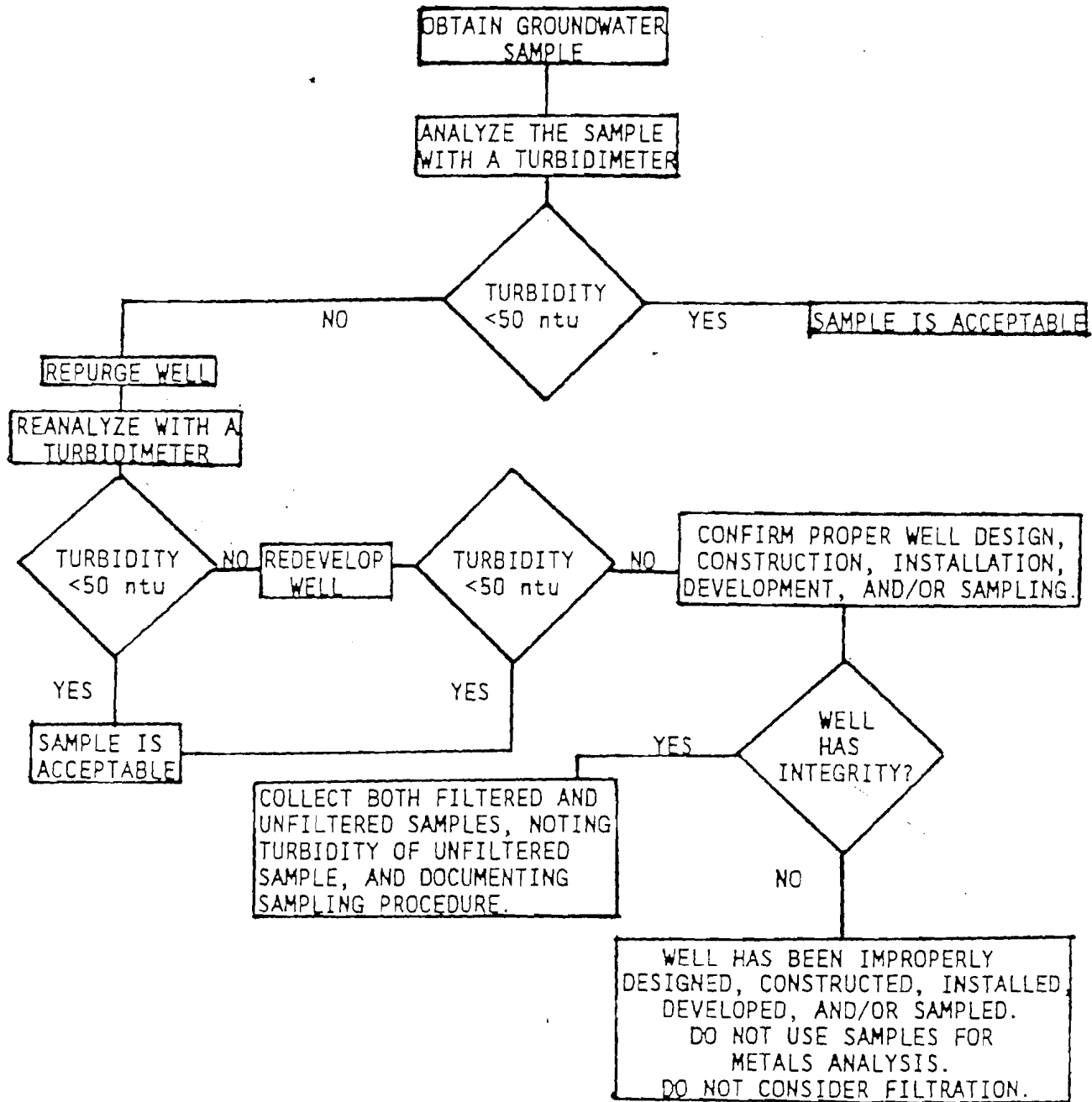
After allowing sufficient time for well seals and grouts to set (usually 24 hours), wells should be developed as soon as possible because:

- a) if there is a problem with the well warranting replacement, every effort should be made to identify this need before the drill rig leaves the site; and
- b) it is faster and easier to develop a well before silts and clays have begun to harden at the bottom of the screen.

##### 3) Laboratory Handling

If turbid samples are to be analyzed, the issue of how the laboratory is to prepare the samples must be resolved beforehand. Laboratory procedures should be outlined, with review and approval by a NYSDEC QA/QC officer.

DECISION FLOW CHART: FILTRATION OF GROUNDWATER SAMPLES  
COLLECTED FOR METALS ANALYSIS



Modified From: RCRA Ground-Water Monitoring  
Technical Enforcement Guidance Document

Figure 1.

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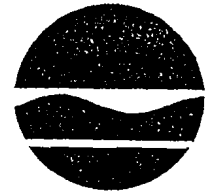
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Division of Environmental Remediation  
Telephone: (516) 444-0240  
Facsimile: (516) 444-0248



John P. Cahill  
Acting Commissioner

May 5, 1997

David Keil, Project Manager  
Camp Dresser & McKee  
100 Crossways Park West  
Woodbury, NY 11797

Re: Results of NYSDEC's Split Samples  
Voluntary Investigative Agreement  
25 Melville Park Road, Melville

Dear Mr. Keil:

I have enclosed one copy of the results of the Department's split samples collected 4/3/97 at the 25 Melville Park Road site. It is my pleasure to inform you that the Department's results are in close agreement with your draft sample results for the three samples I split with you. Usually, I would have my Quality Assurance Unit review my data package. However, due to the closeness of our results, I feel that this is unnecessary in this case. Please note that my sample results are unvalidated.

If you wish to have me send you a copy of the full data package, please call me at (516) 444-0244 and I will gladly give you a copy.

Sincerely,

Robert R. Stewart  
Environmental Engineer I

Enclosure

cc: R. Becherer  
S. O'Hara, Archon Group  
S. Baker, Archon Group  
C. McKenzie, Beveridge & Diamond

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

## CONTRACT LAB SAMPLE INFORMATION SHEET

Part 2

Print legibly

**CAUTION** (check if applicable)

- ☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

## CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

## PRIORITY POLLUTANTS (Water Part 136)—SPDES

- |                                                                   |                                                               |                                                             |
|-------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> 2. 13 PP Metals                          | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS)       | <input type="checkbox"/> 6. Pesticides/PCB's (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 625-GC/MS) | <input type="checkbox"/> 5. Cyanide                           | <input type="checkbox"/> 9. BOD                             |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601-GC)  | <input type="checkbox"/> 8. Aromatic Volatiles (USEPA 602-GC) | <input type="checkbox"/> 12. TSS                            |
| <input type="checkbox"/> 10. pH                                   | <input type="checkbox"/> 11. COD                              | <input type="checkbox"/> 15. Ammonia                        |
| <input type="checkbox"/> 13. Settleable Solids                    | <input type="checkbox"/> 14. TKN                              | <input type="checkbox"/> 18. Reactive Phosphorus            |
| <input type="checkbox"/> 16. Nitrate/Nitrite                      | <input type="checkbox"/> 17. Total Phosphorus                 | <input type="checkbox"/> 21. Total Phenols                  |
| <input type="checkbox"/> 19. Oil/Grease                           | <input type="checkbox"/> 20. TOC                              | <input type="checkbox"/> 60. PCB's congener method          |
| <input type="checkbox"/> 22. Other _____                          | <input type="checkbox"/> 59. PCB's at 0.065 ug/L              | <input type="checkbox"/> 64. Total Solids                   |
|                                                                   | <input type="checkbox"/> 62. CBOD                             | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS)  |

## CONTRACT LABORATORY PROTOCOLS

- |                                                                                   |                                                                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <input type="checkbox"/> 23. (ALL)—Water—Includes 24-28                           | <input type="checkbox"/> 29. (ALL)— Soil/Sediments—Includes 30-34           |
| <input type="checkbox"/> 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)    | <input type="checkbox"/> 30. B/N/A—Soils/Sediment—GC/MS (ASP #89-2)         |
| <input type="checkbox"/> 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1) | <input type="checkbox"/> 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)          |
| <input type="checkbox"/> 26. Pesticides/PCB's—Water—GC(ASP #89-3)                 | <input type="checkbox"/> 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3) |
| <input type="checkbox"/> 27. Metals—23 in Water                                   | <input type="checkbox"/> 33. Metals—23 in Soil/Sediment                     |
| <input type="checkbox"/> 28. Cyanide—Water                                        | <input type="checkbox"/> 34. Cyanide—Soils/Sediment                         |
| <input type="checkbox"/> 66. Dioxin-Water (ASP #89-4)                             | <input type="checkbox"/> 67. Dioxin-Soil/Sediment (ASP #89-4)               |
| <input type="checkbox"/> 35. Other _____                                          |                                                                             |

## HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- |                                                            |                                                                |                                                     |
|------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> 36. EP Toxicity                   | <input type="checkbox"/> 37. EP Toxicity (Metals Only)         | <input type="checkbox"/> 38. Ignitability           |
| <input type="checkbox"/> 39. Corrosivity                   | <input checked="" type="checkbox"/> 40. VOA—(USEPA 8240-GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270-GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCB's (USEPA 8080) | <input type="checkbox"/> 43. TCLP                              | <input type="checkbox"/> 44. TCLP (Metals Only)     |
| <input type="checkbox"/> 45. Reactivity                    | <input type="checkbox"/> 46. Dioxin (USEPA 8280)               | <input type="checkbox"/> 47. Appendix IX            |
| <input type="checkbox"/> 48. Other _____                   | <input type="checkbox"/> 63. Percent Solids                    | <input type="checkbox"/> 68. Metals—17 Hazardous    |

## MUNICIPAL SLUDGE

- |                                      |                                      |                                      |                                      |                                                                          |
|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------------------------------------|
| <input type="checkbox"/> 49. RSG-01  | <input type="checkbox"/> 50. RSSR-01 | <input type="checkbox"/> 51. RSGR-01 | <input type="checkbox"/> 52. RSRB-01 | <input type="checkbox"/> 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01) |
| <input type="checkbox"/> 54. RSRO-01 | <input type="checkbox"/> 55. RSSB-01 | <input type="checkbox"/> 56. RSRR-01 | <input type="checkbox"/> 57. RSRR-02 | <input type="checkbox"/> 58. Other _____                                 |

COLLECTED BY:

Robert Stewart

TELEPHONE NUMBER:

516-444-0244

REGION NO:

1

CONTRACT LAB:

Weston Labs

COUNTY:

Suffolk

SAMPLING DATE:

4/3/97

MILITARY TIME:

1545

SAMPLE MATRIX:

- ☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) \_\_\_\_\_

CASE NUMBER

SH197

SDG NUMBER

0403

SAMPLE NUMBER

B778W1

CHECK FOR MS/MD

☒ This Sample

TYPE OF SAMPLE:

☒ Grab ☐ Composite ☐ Term \_\_\_\_\_ hrs☐ Check if there will be more samples with this SDG sent in this calendar weekReport via Category B, unless checked ☐

SAMPLING POINT:

NP Twist Drill, SB-1, Groundwater at 72' b/s, just east of dumpster slab

Check if field duplicate ☐

Outfall Number

Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER

FLOW

GPO  
MGO

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
**CONTRACT LAB SAMPLE INFORMATION SHEET**

Part 2

Print legibly

**CAUTION** (check if applicable)

- ☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

## CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

## PRIORITY POLLUTANTS (Water Part 136)—SPDES

- |                                                                   |                                                               |                                                             |
|-------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> 2. 13 PP Metals                          | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) -     | <input type="checkbox"/> 6. Pesticides/PCB's (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 625-GC/MS) | <input type="checkbox"/> 5. Cyanide                           | <input type="checkbox"/> 9. BOD                             |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601-GC)  | <input type="checkbox"/> 8. Aromatic Volatiles (USEPA 602-GC) | <input type="checkbox"/> 12. TSS                            |
| <input type="checkbox"/> 10. pH                                   | <input type="checkbox"/> 11. COD                              | <input type="checkbox"/> 15. Ammonia                        |
| <input type="checkbox"/> 13. Settleable Solids                    | <input type="checkbox"/> 14. TKN                              | <input type="checkbox"/> 18. Reactive Phosphorus            |
| <input type="checkbox"/> 16. Nitrate/Nitrite                      | <input type="checkbox"/> 17. Total Phosphorus                 | <input type="checkbox"/> 21. Total Phenols                  |
| <input type="checkbox"/> 19. Oil/Grease                           | <input type="checkbox"/> 20. TOC                              | <input type="checkbox"/> 60. PCB's congener method          |
| <input type="checkbox"/> 22. Other _____                          | <input type="checkbox"/> 59. PCB's at 0.065 ug/L              | <input type="checkbox"/> 64. Total Solids                   |
|                                                                   | <input type="checkbox"/> 62. CBOD                             | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS)  |

## CONTRACT LABORATORY PROTOCOLS

- |                                                                                   |                                                                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <input type="checkbox"/> 23. (ALL)—Water—Includes 24-28                           | <input type="checkbox"/> 29. (ALL)— Soil/Sediments—Includes 30-34           |
| <input type="checkbox"/> 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)    | <input type="checkbox"/> 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)        |
| <input type="checkbox"/> 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1) | <input type="checkbox"/> 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)          |
| <input type="checkbox"/> 26. Pesticides/PCB's—Water—GC(ASP #89-3)                 | <input type="checkbox"/> 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3) |
| <input type="checkbox"/> 27. Metals—23 in Water                                   | <input type="checkbox"/> 33. Metals—23 in Soil/Sediment                     |
| <input type="checkbox"/> 28. Cyanide—Water                                        | <input type="checkbox"/> 34. Cyanide—Soils/Sediment                         |
| <input type="checkbox"/> 66. Dioxin—Water (ASP #89-4)                             | <input type="checkbox"/> 67. Dioxin—Soil/Sediment (ASP #89-4)               |
| <input type="checkbox"/> 35. Other _____                                          |                                                                             |

## HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- |                                                            |                                                                |                                                     |
|------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> 36. EP Toxicity                   | <input type="checkbox"/> 37. EP Toxicity (Metals Only)         | <input type="checkbox"/> 38. Ignitability           |
| <input type="checkbox"/> 39. Corrosivity                   | <input checked="" type="checkbox"/> 40. VOA—(USEPA 8240-GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270-GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCB's (USEPA 8080) | <input type="checkbox"/> 43. TCLP                              | <input type="checkbox"/> 44. TCLP (Metals Only)     |
| <input type="checkbox"/> 45. Reactivity                    | <input type="checkbox"/> 46. Dioxin (USEPA 8280)               | <input type="checkbox"/> 47. Appendix IX            |
| <input type="checkbox"/> 48. Other _____                   | <input type="checkbox"/> 63. Percent Solids                    | <input type="checkbox"/> 68. Metals—17 Hazardous    |

## MUNICIPAL SLUDGE

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|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------------------------------------|
| <input type="checkbox"/> 49. RSGB-01 | <input type="checkbox"/> 50. RSSR-01 | <input type="checkbox"/> 51. RSGR-01 | <input type="checkbox"/> 52. RSRB-01 | <input type="checkbox"/> 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01) |
| <input type="checkbox"/> 54. RSRO-01 | <input type="checkbox"/> 55. RSSB-01 | <input type="checkbox"/> 56. RSRR-01 | <input type="checkbox"/> 57. RSRR-02 | <input type="checkbox"/> 58. Other _____                                 |

COLLECTED BY:

Robert Stewart

TELEPHONE NUMBER:

516-444-0244

REGION NO:

1

CONTRACT LAB:

Weston Labs

COUNTY:

Suffolk

SAMPLING DATE:

4/3/97

MILITARY TIME:

1630

SAMPLE MATRIX:

- ☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) \_\_\_\_\_

CASE NUMBER

SH11917

SDG NUMBER

0403

SAMPLE NUMBER

B778W2

CHECK FOR MSD

NEWSP

TYPE OF SAMPLE:

- ☒ Grab ☐ Composite ☐ Term \_\_\_\_\_ hrs

☐ Check if there will be more samples with this SDG sent in this calendar weekReport via Category B, unless checked ☐

SAMPLING POINT:

NYTwist Drill, SB-1, Groundwater at  
 84' b/s, just east of dumpster slab

Check if field duplicate ☐

Outfall Number

Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER

FLOW

GPD  
MGD



## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

## CONTRACT LAB SAMPLE INFORMATION SHEET

Part 2

Print legibly

## CAUTION (check if applicable)

- ☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

## CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

## PRIORITY POLLUTANTS (Water Part 136)—SPDES

- |                                                                   |                                                               |                                                             |
|-------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> 2. 13 PP Metals                          | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS)       | <input type="checkbox"/> 6. Pesticides/PCB's (USEPA 508-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 625-GC/MS) | <input type="checkbox"/> 5. Cyanide                           | <input type="checkbox"/> 9. BOD                             |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601-GC)  | <input type="checkbox"/> 8. Aromatic Volatiles (USEPA 602-GC) | <input type="checkbox"/> 12. TSS                            |
| <input type="checkbox"/> 10. pH                                   | <input type="checkbox"/> 11. COD                              | <input type="checkbox"/> 15. Ammonia                        |
| <input type="checkbox"/> 13. Settleable Solids                    | <input type="checkbox"/> 14. TKN                              | <input type="checkbox"/> 18. Reactive Phosphorus            |
| <input type="checkbox"/> 16. Nitrate/Nitrite                      | <input type="checkbox"/> 17. Total Phosphorus                 | <input type="checkbox"/> 21. Total Phenols                  |
| <input type="checkbox"/> 19. Oil/Grease                           | <input type="checkbox"/> 20. TOC                              | <input type="checkbox"/> 60. PCB's congener method          |
| <input type="checkbox"/> 22. Other _____                          | <input type="checkbox"/> 59. PCB's at 0.065 ug/L              | <input type="checkbox"/> 64. Total Solids                   |
|                                                                   | <input type="checkbox"/> 62. CBOD                             | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS)  |

## CONTRACT LABORATORY PROTOCOLS

- |                                                                                    |                                                                             |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <input type="checkbox"/> 23. (ALL)—Water—Includes 24-28                            | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34            |
| <input type="checkbox"/> 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)     | <input type="checkbox"/> 30. B/N/A—Soils/Sediment—GC/MS (ASP #89-2)         |
| <input type="checkbox"/> 25. Volatile Organic Analysis VOA—Water—GC/MS (ASP #89-1) | <input type="checkbox"/> 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)          |
| <input type="checkbox"/> 26. Pesticides/PCB's—Water—GC (ASP #89-3)                 | <input type="checkbox"/> 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3) |
| <input type="checkbox"/> 27. Metals—23 in Water                                    | <input type="checkbox"/> 33. Metals—23 in Soil/Sediment                     |
| <input type="checkbox"/> 28. Cyanide—Water                                         | <input type="checkbox"/> 34. Cyanide—Soils/Sediment                         |
| <input type="checkbox"/> 66. Dioxin—Water (ASP #89-4)                              | <input type="checkbox"/> 67. Dioxin—Soil/Sediment (ASP #89-4)               |
| <input type="checkbox"/> 35. Other _____                                           |                                                                             |

## HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- |                                                            |                                                                |                                                     |
|------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> 36. EP Toxicity                   | <input type="checkbox"/> 37. EP Toxicity (Metals Only)         | <input type="checkbox"/> 38. Ignitability           |
| <input type="checkbox"/> 39. Corrosivity                   | <input checked="" type="checkbox"/> 40. VOA—(USEPA 8240-GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270-GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCB's (USEPA 8080) | <input type="checkbox"/> 43. TCLP                              | <input type="checkbox"/> 44. TCLP (Metals Only)     |
| <input type="checkbox"/> 45. Reactivity                    | <input type="checkbox"/> 46. Dioxin (USEPA 8280)               | <input type="checkbox"/> 47. Appendix IX            |
| <input type="checkbox"/> 48. Other _____                   | <input type="checkbox"/> 63. Percent Solids                    | <input type="checkbox"/> 68. Metals—17 Hazardous    |

## MUNICIPAL SLUDGE

- |                                      |                                      |                                      |                                      |                                                                          |
|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------------------------------------|
| <input type="checkbox"/> 49. RSGB-01 | <input type="checkbox"/> 50. RSSR-01 | <input type="checkbox"/> 51. RSGR-01 | <input type="checkbox"/> 52. RSRB-01 | <input type="checkbox"/> 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01) |
| <input type="checkbox"/> 54. RSRO-01 | <input type="checkbox"/> 55. RSSB-01 | <input type="checkbox"/> 56. RSRR-01 | <input type="checkbox"/> 57. ASRR-02 | <input type="checkbox"/> 58. Other _____                                 |

COLLECTED BY:

Robert Stewart

TELEPHONE NUMBER:

516-444-0244

REGION NO:

1

CONTRACT LAB:

Weston Labs

COUNTY:

Suffolk

SAMPLING DATE:

4/3/97

MILITARY TIME:

1655

SAMPLE MATRIX:

- ☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) \_\_\_\_\_

CASE NUMBER

SH197

SDG NUMBER

0403

SAMPLE NUMBER

B778W3

CHECK FOR MS/MD

MS/MD

TYPE OF SAMPLE:

☒ Grab ☐ Composite ☐ Term \_\_\_\_\_ hrs☐ Check if there will be more samples with this SDG sent in this calendar weekReport via Category B, unless checked ☐

SAMPLING POINT:

NYTurst Drill, SB-1, Groundwater at 55' b/s, just east of dumpster pad

Check if field duplicate ☐

Outfall Number

Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER

FLOW

GPD

MGD

**WESTON**  
 SERVICE OF THE SEINE-ET-MARNE COUNTY  
 Page 1 of 1

Added 004 (T13) to COC

Samples May Contain High Concentrations!

Cust ID: SH197-0403-B SH197-0403-B SH197-0403-B SH197-0403-B TRIP BLANK VBLKUM

| Sample      | RFW#:   | 778W1 | 778W2 | 778W3 | 778W3  | 004  | 97LVW092-MB1 |
|-------------|---------|-------|-------|-------|--------|------|--------------|
| Information | Matrix: | 001   | 002   | 003   | 003 DL | 004  | 97LVW092-MB1 |
|             | D.F.:   | 25.0  | 50.0  | 200   | 250    | 1.00 | 1.00         |
|             | Units:  | UG/L  | UG/L  | UG/L  | UG/L   | UG/L | UG/L         |

| Surrogate                                              | Toluene-d8            | 98  | %    | 100 | %     | 100 | %     | 104 | %  | 101 | %  | 101 | % |
|--------------------------------------------------------|-----------------------|-----|------|-----|-------|-----|-------|-----|----|-----|----|-----|---|
| Bromofluorobenzene                                     | 97                    | %   | 99   | %   | 96    | %   | 101   | %   | 97 | %   | 97 | %   |   |
| Recovery                                               | 1,2-Dichloroethane-d4 | 107 | %    | 109 | %     | 109 | %     | 98  | %  | 107 | %  | 104 | % |
| =====fl=====fl=====fl=====fl=====fl=====fl=====fl===== |                       |     |      |     |       |     |       |     |    |     |    |     |   |
| Chloromethane                                          | 250                   | U   | 500  | U   | 2000  | U   | 2500  | U   | 10 | U   | 10 | U   |   |
| Bromomethane                                           | 250                   | U   | 500  | U   | 2000  | U   | 2500  | U   | 10 | U   | 10 | U   |   |
| Vinyl Chloride                                         | 250                   | U   | 500  | U   | 2000  | U   | 2500  | U   | 10 | U   | 10 | U   |   |
| Chloroethane                                           | 250                   | U   | 500  | U   | 2000  | U   | 2500  | U   | 10 | U   | 10 | U   |   |
| Methylene Chloride                                     | 98                    | BJ  | 200  | BJ  | 700   | BJ  | 1700  | BD  | 4  | BJ  | 3  | J   |   |
| Acetone                                                | 250                   | U   | 500  | U   | 2000  | U   | 6800  | BD  | 10 | U   | 7  | J   |   |
| Carbon Disulfide                                       | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| 1,1-Dichloroethene                                     | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| 1,1-Dichloroethane                                     | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| 1,2-Dichloroethene (total)                             | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| Chloroform                                             | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| 1,2-Dichloroethane                                     | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| 2-Butanone                                             | 250                   | U   | 500  | U   | 2000  | U   | 2500  | U   | 10 | U   | 10 | U   |   |
| 1,1,1-Trichloroethane                                  | 120                   | U   | 250  | U   | 370   | J   | 390   | JD  | 5  | U   | 5  | U   |   |
| Carbon Tetrachloride                                   | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| Vinyl Acetate                                          | 250                   | U   | 500  | U   | 2000  | U   | 2500  | U   | 10 | U   | 10 | U   |   |
| Bromodichloromethane                                   | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| 1,2-Dichloropropane                                    | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| cis-1,3-Dichloropropene                                | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| Trichloroethene                                        | 45                    | J   | 230  | J   | 1400  |     | 1300  | D   | 5  | U   | 5  | U   |   |
| Dibromochloromethane                                   | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| 1,1,2-Trichloroethane                                  | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| Benzene                                                | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| Trans-1,3-Dichloropropene                              | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| Bromoform                                              | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |
| 4-Methyl-2-pentanone                                   | 250                   | U   | 500  | U   | 2000  | U   | 2500  | U   | 10 | U   | 10 | U   |   |
| 2-Hexanone                                             | 250                   | U   | 500  | U   | 2000  | U   | 2500  | U   | 10 | U   | 10 | U   |   |
| Tetrachloroethene                                      | 3600                  |     | 4800 |     | 47000 | E   | 44000 | D   | 5  | U   | 5  | U   |   |
| 1,1,2,2-Tetrachloroethane                              | 120                   | U   | 250  | U   | 1000  | U   | 1200  | U   | 5  | U   | 5  | U   |   |

\* = Outside of EPA CLP QC limits.

SB-1/72

SB-1/64

SB-1/55

010

Nit Validated

RFW Batch Number: 9704L890

Client: NYSDEC

Work Order: 01667010001 Page: 1b

Cust ID: SH197-0403-B

SH197-0403-B

SH197-0403-B

SH197-0403-B

TRIP BLANK

VBLKUM

778W1

778W2

778W3

778W3

RFW#: 001

002

003

003 DL

004

97LVW092-MB1

|                |     |   |     |   |      |   |      |   |   |   |   |   |
|----------------|-----|---|-----|---|------|---|------|---|---|---|---|---|
| Toluene        | 120 | U | 250 | U | 1000 | U | 1200 | U | 5 | U | 5 | U |
| Chlorobenzene  | 120 | U | 250 | U | 1000 | U | 1200 | U | 5 | U | 5 | U |
| Ethylbenzene   | 120 | U | 250 | U | 1000 | U | 1200 | U | 5 | U | 5 | U |
| Styrene        | 120 | U | 250 | U | 1000 | U | 1200 | U | 5 | U | 5 | U |
| Xylene (total) | 120 | U | 250 | U | 1000 | U | 1200 | U | 5 | U | 5 | U |

\*= Outside of EPA CLP QC limits.

013

No +  
Validated

RFW Batch Number: 9704L890

Client: NYSDEC

Work Order: 01667010001 Page: 2a

Cust ID: VBLKUN

Sample RFW#: 97LVW093-MB1  
Information Matrix: WATER  
D.F.: 1.00  
Units: UG/L

014

|                                                   |                       |     |   |
|---------------------------------------------------|-----------------------|-----|---|
|                                                   | Toluene-d8            | 103 | % |
| Surrogate                                         | Bromofluorobenzene    | 98  | % |
| Recovery                                          | 1,2-Dichloroethane-d4 | 102 | % |
| =====fl=====fl=====fl=====fl=====fl=====fl=====fl |                       |     |   |
| Chloromethane                                     |                       | 10  | U |
| Bromomethane                                      |                       | 10  | U |
| Vinyl Chloride                                    |                       | 10  | U |
| Chloroethane                                      |                       | 10  | U |
| Methylene Chloride                                |                       | 4   | J |
| Acetone                                           |                       | 2   | J |
| Carbon Disulfide                                  |                       | 5   | U |
| 1,1-Dichloroethene                                |                       | 5   | U |
| 1,1-Dichloroethane                                |                       | 5   | U |
| 1,2-Dichloroethene (total)                        |                       | 5   | U |
| Chloroform                                        |                       | 5   | U |
| 1,2-Dichloroethane                                |                       | 5   | U |
| 2-Butanone                                        |                       | 10  | U |
| 1,1,1-Trichloroethane                             |                       | 5   | U |
| Carbon Tetrachloride                              |                       | 5   | U |
| Vinyl Acetate                                     |                       | 10  | U |
| Bromodichloromethane                              |                       | 5   | U |
| 1,2-Dichloropropane                               |                       | 5   | U |
| cis-1,3-Dichloropropene                           |                       | 5   | U |
| Trichloroethene                                   |                       | 5   | U |
| Dibromochloromethane                              |                       | 5   | U |
| 1,1,2-Trichloroethane                             |                       | 5   | U |
| Benzene                                           |                       | 5   | U |
| Trans-1,3-Dichloropropene                         |                       | 5   | U |
| Bromoform                                         |                       | 5   | U |
| 4-Methyl-2-pentanone                              |                       | 10  | U |
| 2-Hexanone                                        |                       | 10  | U |
| Tetrachloroethene                                 |                       | 5   | U |
| 1,1,2,2-Tetrachloroethane                         |                       | 5   | U |

\* = Outside of EPA CLP QC limits.

Not Validated

RFW Batch Number: 9704L890

Client: NYSDEC

Work Order: 01667010001 Page: 2b

Cust ID: VBLKUN

RFW#: 97LVW093-MB1

|                |   |   |
|----------------|---|---|
| Toluene        | 5 | U |
| Chlorobenzene  | 5 | U |
| Ethylbenzene   | 5 | U |
| Styrene        | 5 | U |
| Xylene (total) | 5 | U |

\*= Outside of EPA CLP QC limits.

015

Not Validated

1A  
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

SH197-0403-B778W1

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041011

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 25.0

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

|                 |                            |      |    |
|-----------------|----------------------------|------|----|
| 74-87-3-----    | Chloromethane              | 250  | U  |
| 74-83-9-----    | Bromomethane               | 250  | U  |
| 75-01-4-----    | Vinyl Chloride             | 250  | U  |
| 75-00-3-----    | Chloroethane               | 250  | U  |
| 75-09-2-----    | Methylene Chloride         | 98   | BJ |
| 67-64-1-----    | Acetone                    | 250  | U  |
| 75-15-0-----    | Carbon Disulfide           | 120  | U  |
| 75-35-4-----    | 1,1-Dichloroethene         | 120  | U  |
| 75-34-3-----    | 1,1-Dichloroethane         | 120  | U  |
| 540-59-0-----   | 1,2-Dichloroethene (total) | 120  | U  |
| 67-66-3-----    | Chloroform                 | 120  | U  |
| 107-06-2-----   | 1,2-Dichloroethane         | 120  | U  |
| 78-93-3-----    | 2-Butanone                 | 250  | U  |
| 71-55-6-----    | 1,1,1-Trichloroethane      | 120  | U  |
| 56-23-5-----    | Carbon Tetrachloride       | 120  | U  |
| 108-05-4-----   | Vinyl Acetate              | 250  | U  |
| 75-27-4-----    | Bromodichloromethane       | 120  | U  |
| 78-87-5-----    | 1,2-Dichloropropane        | 120  | U  |
| 10061-01-5----- | cis-1,3-Dichloropropene    | 120  | U  |
| 79-01-6-----    | Trichloroethene            | 45   | J  |
| 124-48-1-----   | Dibromochloromethane       | 120  | U  |
| 79-00-5-----    | 1,1,2-Trichloroethane      | 120  | U  |
| 71-43-2-----    | Benzene                    | 120  | U  |
| 10061-02-6----- | Trans-1,3-Dichloropropene  | 120  | U  |
| 75-25-2-----    | Bromoform                  | 120  | U  |
| 108-10-1-----   | 4-Methyl-2-pentanone       | 250  | U  |
| 591-78-6-----   | 2-Hexanone                 | 250  | U  |
| 127-18-4-----   | Tetrachloroethene          | 3600 |    |
| 79-34-5-----    | 1,1,2,2-Tetrachloroethane  | 120  | U  |
| 108-88-3-----   | Toluene                    | 120  | U  |
| 108-90-7-----   | Chlorobenzene              | 120  | U  |
| 100-41-4-----   | Ethylbenzene               | 120  | U  |
| 100-42-5-----   | Styrene                    | 120  | U  |
| 1330-20-7-----  | Xylene (total)             | 120  | U  |

Not Validated

1E  
VOLATILE ORGANICS ANALYSIS SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH197-0403-B778W1

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041011

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 25.0

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT    | EST. CONC. | Q     |
|------------|---------------|-------|------------|-------|
| =====      | =====         | ===== | =====      | ===== |
| 1.         |               |       |            |       |



1A  
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH197-0403-B778W2

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041012

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 50.0

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

|                 |                             |      |    |
|-----------------|-----------------------------|------|----|
| 74-87-3-----    | Chloromethane               | 500  | U  |
| 74-83-9-----    | Bromomethane                | 500  | U  |
| 75-01-4-----    | Vinyl Chloride              | 500  | U  |
| 75-00-3-----    | Chloroethane                | 500  | U  |
| 75-09-2-----    | Methylene Chloride          | 200  | BJ |
| 67-64-1-----    | Acetone                     | 500  | U  |
| 75-15-0-----    | Carbon Disulfide            | 250  | U  |
| 75-35-4-----    | 1,1-Dichloroethene          | 250  | U  |
| 75-34-3-----    | 1,1-Dichloroethane          | 250  | U  |
| 540-59-0-----   | 1,2-Dichloroethene' (total) | 250  | U  |
| 67-66-3-----    | Chloroform                  | 250  | U  |
| 107-06-2-----   | 1,2-Dichloroethane          | 250  | U  |
| 78-93-3-----    | 2-Butanone                  | 500  | U  |
| 71-55-6-----    | 1,1,1-Trichloroethane       | 250  | U  |
| 56-23-5-----    | Carbon Tetrachloride        | 250  | U  |
| 108-05-4-----   | Vinyl Acetate               | 500  | U  |
| 75-27-4-----    | Bromodichloromethane        | 250  | U  |
| 78-87-5-----    | 1,2-Dichloropropane         | 250  | U  |
| 10061-01-5----- | cis-1,3-Dichloropropene     | 250  | U  |
| 79-01-6-----    | Trichloroethene             | 230  | J  |
| 124-48-1-----   | Dibromochloromethane        | 250  | U  |
| 79-00-5-----    | 1,1,2-Trichloroethane       | 250  | U  |
| 71-43-2-----    | Benzene                     | 250  | U  |
| 10061-02-6----- | Trans-1,3-Dichloropropene   | 250  | U  |
| 75-25-2-----    | Bromoform                   | 250  | U  |
| 108-10-1-----   | 4-Methyl-2-pentanone        | 500  | U  |
| 591-78-6-----   | 2-Hexanone                  | 500  | U  |
| 127-18-4-----   | Tetrachloroethene           | 4800 |    |
| 79-34-5-----    | 1,1,2,2-Tetrachloroethane   | 250  | U  |
| 108-88-3-----   | Toluene                     | 250  | U  |
| 108-90-7-----   | Chlorobenzene               | 250  | U  |
| 100-41-4-----   | Ethylbenzene                | 250  | U  |
| 100-42-5-----   | Styrene                     | 250  | U  |
| 1330-20-7-----  | Xylene (total)              | 250  | U  |

1E  
VOLATILE ORGANICS ANALYSIS SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH197-0403-B778W2

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041012

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 50.0

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT    | EST. CONC. | Q     |
|------------|---------------|-------|------------|-------|
| =====      | =====         | ===== | =====      | ===== |
| 1.         |               |       |            |       |

1A  
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH197-0403-B778W3

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041013

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 200

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

|                 |                            |       |    |
|-----------------|----------------------------|-------|----|
| 74-87-3-----    | Chloromethane              | 2000  | U  |
| 74-83-9-----    | Bromomethane               | 2000  | U  |
| 75-01-4-----    | Vinyl Chloride             | 2000  | U  |
| 75-00-3-----    | Chloroethane               | 2000  | U  |
| 75-09-2-----    | Methylene Chloride         | 700   | BJ |
| 67-64-1-----    | Acetone                    | 2000  | U  |
| 75-15-0-----    | Carbon Disulfide           | 1000  | U  |
| 75-35-4-----    | 1,1-Dichloroethene         | 1000  | U  |
| 75-34-3-----    | 1,1-Dichloroethane         | 1000  | U  |
| 540-59-0-----   | 1,2-Dichloroethene (total) | 1000  | U  |
| 67-66-3-----    | Chloroform                 | 1000  | U  |
| 107-06-2-----   | 1,2-Dichloroethane         | 1000  | U  |
| 78-93-3-----    | 2-Butanone                 | 2000  | U  |
| 71-55-6-----    | 1,1,1-Trichloroethane      | 370   | J  |
| 56-23-5-----    | Carbon Tetrachloride       | 1000  | U  |
| 108-05-4-----   | Vinyl Acetate              | 2000  | U  |
| 75-27-4-----    | Bromodichloromethane       | 1000  | U  |
| 78-87-5-----    | 1,2-Dichloropropane        | 1000  | U  |
| 10061-01-5----- | cis-1,3-Dichloropropene    | 1000  | U  |
| 79-01-6-----    | Trichloroethene            | 1400  |    |
| 124-48-1-----   | Dibromochloromethane       | 1000  | U  |
| 79-00-5-----    | 1,1,2-Trichloroethane      | 1000  | U  |
| 71-43-2-----    | Benzene                    | 1000  | U  |
| 10061-02-6----- | Trans-1,3-Dichloropropene  | 1000  | U  |
| 75-25-2-----    | Bromoform                  | 1000  | U  |
| 108-10-1-----   | 4-Methyl-2-pentanone       | 2000  | U  |
| 591-78-6-----   | 2-Hexanone                 | 2000  | U  |
| 127-18-4-----   | Tetrachloroethene          | 47000 | E  |
| 79-34-5-----    | 1,1,2,2-Tetrachloroethane  | 1000  | U  |
| 108-88-3-----   | Toluene                    | 1000  | U  |
| 108-90-7-----   | Chlorobenzene              | 1000  | U  |
| 100-41-4-----   | Ethylbenzene               | 1000  | U  |
| 100-42-5-----   | Styrene                    | 1000  | U  |
| 1330-20-7-----  | Xylene (total)             | 1000  | U  |

Not Validated

1E  
VOLATILE ORGANICS ANALYSIS SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH197-0403-B778W3

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041013

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 200

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT    | EST. CONC. | Q     |
|------------|---------------|-------|------------|-------|
| =====      | =====         | ===== | =====      | ===== |
| 1.         |               |       |            |       |

1A  
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH197-0403-B778W3DL

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-003 DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041106

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/11/97

Column: (pack/cap) CAP

Dilution Factor: 250

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

|                 |                            |       |    |
|-----------------|----------------------------|-------|----|
| 74-87-3-----    | Chloromethane              | 2500  | U  |
| 74-83-9-----    | Bromomethane               | 2500  | U  |
| 75-01-4-----    | Vinyl Chloride             | 2500  | U  |
| 75-00-3-----    | Chloroethane               | 2500  | U  |
| 75-09-2-----    | Methylene Chloride         | 1700  | BD |
| 67-64-1-----    | Acetone                    | 6800  | BD |
| 75-15-0-----    | Carbon Disulfide           | 1200  | U  |
| 75-35-4-----    | 1,1-Dichloroethene         | 1200  | U  |
| 75-34-3-----    | 1,1-Dichloroethane         | 1200  | U  |
| 540-59-0-----   | 1,2-Dichloroethene (total) | 1200  | U  |
| 67-66-3-----    | Chloroform                 | 1200  | U  |
| 107-06-2-----   | 1,2-Dichloroethane         | 1200  | U  |
| 78-93-3-----    | 2-Butanone                 | 2500  | U  |
| 71-55-6-----    | 1,1,1-Trichloroethane      | 390   | JD |
| 56-23-5-----    | Carbon Tetrachloride       | 1200  | U  |
| 108-05-4-----   | Vinyl Acetate              | 2500  | U  |
| 75-27-4-----    | Bromodichloromethane       | 1200  | U  |
| 78-87-5-----    | 1,2-Dichloropropane        | 1200  | U  |
| 10061-01-5----- | cis-1,3-Dichloropropene    | 1200  | U  |
| 79-01-6-----    | Trichloroethene            | 1300  | D  |
| 124-48-1-----   | Dibromochloromethane       | 1200  | U  |
| 79-00-5-----    | 1,1,2-Trichloroethane      | 1200  | U  |
| 71-43-2-----    | Benzene                    | 1200  | U  |
| 10061-02-6----- | Trans-1,3-Dichloropropene  | 1200  | U  |
| 75-25-2-----    | Bromoform                  | 1200  | U  |
| 108-10-1-----   | 4-Methyl-2-pentanone       | 2500  | U  |
| 591-78-6-----   | 2-Hexanone                 | 2500  | U  |
| 127-18-4-----   | Tetrachloroethene          | 44000 | D  |
| 79-34-5-----    | 1,1,2,2-Tetrachloroethane  | 1200  | U  |
| 108-88-3-----   | Toluene                    | 1200  | U  |
| 108-90-7-----   | Chlorobenzene              | 1200  | U  |
| 100-41-4-----   | Ethylbenzene               | 1200  | U  |
| 100-42-5-----   | Styrene                    | 1200  | U  |
| 1330-20-7-----  | Xylene (total)             | 1200  | U  |

1E  
VOLATILE ORGANICS ANALYSIS SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH197-0403-B778W3DL

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-003 DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041106

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/11/97

Column: (pack/cap) CAP

Dilution Factor: 250

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1.         |               |    |            |   |

1A  
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041010

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L

|                 |                            |    |    |
|-----------------|----------------------------|----|----|
| 74-87-3-----    | Chloromethane              | 10 | U  |
| 74-83-9-----    | Bromomethane               | 10 | U  |
| 75-01-4-----    | Vinyl Chloride             | 10 | U  |
| 75-00-3-----    | Chloroethane               | 10 | U  |
| 75-09-2-----    | Methylene Chloride         | 4  | BJ |
| 67-64-1-----    | Acetone                    | 10 | U  |
| 75-15-0-----    | Carbon Disulfide           | 5  | U  |
| 75-35-4-----    | 1,1-Dichloroethene         | 5  | U  |
| 75-34-3-----    | 1,1-Dichloroethane         | 5  | U  |
| 540-59-0-----   | 1,2-Dichloroethene (total) | 5  | U  |
| 67-66-3-----    | Chloroform                 | 5  | U  |
| 107-06-2-----   | 1,2-Dichloroethane         | 5  | U  |
| 78-93-3-----    | 2-Butanone                 | 10 | U  |
| 71-55-6-----    | 1,1,1-Trichloroethane      | 5  | U  |
| 56-23-5-----    | Carbon Tetrachloride       | 5  | U  |
| 108-05-4-----   | Vinyl Acetate              | 10 | U  |
| 75-27-4-----    | Bromodichloromethane       | 5  | U  |
| 78-87-5-----    | 1,2-Dichloropropane        | 5  | U  |
| 10061-01-5----- | cis-1,3-Dichloropropene    | 5  | U  |
| 79-01-6-----    | Trichloroethene            | 5  | U  |
| 124-48-1-----   | Dibromochloromethane       | 5  | U  |
| 79-00-5-----    | 1,1,2-Trichloroethane      | 5  | U  |
| 71-43-2-----    | Benzene                    | 5  | U  |
| 10061-02-6----- | Trans-1,3-Dichloropropene  | 5  | U  |
| 75-25-2-----    | Bromoform                  | 5  | U  |
| 108-10-1-----   | 4-Methyl-2-pentanone       | 10 | U  |
| 591-78-6-----   | 2-Hexanone                 | 10 | U  |
| 127-18-4-----   | Tetrachloroethene          | 5  | U  |
| 79-34-5-----    | 1,1,2,2-Tetrachloroethane  | 5  | U  |
| 108-88-3-----   | Toluene                    | 5  | U  |
| 108-90-7-----   | Chlorobenzene              | 5  | U  |
| 100-41-4-----   | Ethylbenzene               | 5  | U  |
| 100-42-5-----   | Styrene                    | 5  | U  |
| 1330-20-7-----  | Xylene (total)             | 5  | U  |

Not Validated

1E  
VOLATILE ORGANICS ANALYSIS SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 9704L890-004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041010

Level: (low/med) LOW

Date Received: 04/04/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT    | EST. CONC. | Q     |
|------------|---------------|-------|------------|-------|
| =====      | =====         | ===== | =====      | ===== |
| 1.         |               |       |            |       |



LA  
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

VBLKUM

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 97LVW092-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041009

Level: (low/med) LOW

Date Received: 04/10/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

|                 |                            |    |   |
|-----------------|----------------------------|----|---|
| 74-87-3-----    | Chloromethane              | 10 | U |
| 74-83-9-----    | Bromomethane               | 10 | U |
| 75-01-4-----    | Vinyl Chloride             | 10 | U |
| 75-00-3-----    | Chloroethane               | 10 | U |
| 75-09-2-----    | Methylene Chloride         | 3  | J |
| 67-64-1-----    | Acetone                    | 7  | J |
| 75-15-0-----    | Carbon Disulfide           | 5  | U |
| 75-35-4-----    | 1,1-Dichloroethene         | 5  | U |
| 75-34-3-----    | 1,1-Dichloroethane         | 5  | U |
| 540-59-0-----   | 1,2-Dichloroethene (total) | 5  | U |
| 67-66-3-----    | Chloroform                 | 5  | U |
| 107-06-2-----   | 1,2-Dichloroethane         | 5  | U |
| 78-93-3-----    | 2-Butanone                 | 10 | U |
| 71-55-6-----    | 1,1,1-Trichloroethane      | 5  | U |
| 56-23-5-----    | Carbon Tetrachloride       | 5  | U |
| 108-05-4-----   | Vinyl Acetate              | 10 | U |
| 75-27-4-----    | Bromodichloromethane       | 5  | U |
| 78-87-5-----    | 1,2-Dichloropropane        | 5  | U |
| 10061-01-5----- | cis-1,3-Dichloropropene    | 5  | U |
| 79-01-6-----    | Trichloroethene            | 5  | U |
| 124-48-1-----   | Dibromochloromethane       | 5  | U |
| 79-00-5-----    | 1,1,2-Trichloroethane      | 5  | U |
| 71-43-2-----    | Benzene                    | 5  | U |
| 10061-02-6----- | Trans-1,3-Dichloropropene  | 5  | U |
| 75-25-2-----    | Bromoform                  | 5  | U |
| 108-10-1-----   | 4-Methyl-2-pentanone       | 10 | U |
| 591-78-6-----   | 2-Hexanone                 | 10 | U |
| 127-18-4-----   | Tetrachloroethene          | 5  | U |
| 79-34-5-----    | 1,1,2,2-Tetrachloroethane  | 5  | U |
| 108-88-3-----   | Toluene                    | 5  | U |
| 108-90-7-----   | Chlorobenzene              | 5  | U |
| 100-41-4-----   | Ethylbenzene               | 5  | U |
| 100-42-5-----   | Styrene                    | 5  | U |
| 1330-20-7-----  | Xylene (total)             | 5  | U |

1E  
VOLATILE ORGANICS ANALYSIS SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKUM

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 97LVW092-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041009

Level: (low/med) LOW

Date Received: 04/10/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/10/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1.         |               |    |            |   |

1A  
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

VBLKUN

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 97LVW093-MB1

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: W041105

Level: (low/med) LOW Date Received: 04/11/97

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 04/11/97

Column: (pack/cap) CAP Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L

|            |                            |    |   |
|------------|----------------------------|----|---|
| 74-87-3    | Chloromethane              | 10 | U |
| 74-83-9    | Bromomethane               | 10 | U |
| 75-01-4    | Vinyl Chloride             | 10 | U |
| 75-00-3    | Chloroethane               | 10 | U |
| 75-09-2    | Methylene Chloride         | 4  | J |
| 67-64-1    | Acetone                    | 2  | J |
| 75-15-0    | Carbon Disulfide           | 5  | U |
| 75-35-4    | 1,1-Dichloroethene         | 5  | U |
| 75-34-3    | 1,1-Dichloroethane         | 5  | U |
| 540-59-0   | 1,2-Dichloroethene (total) | 5  | U |
| 67-66-3    | Chloroform                 | 5  | U |
| 107-06-2   | 1,2-Dichloroethane         | 5  | U |
| 78-93-3    | 2-Butanone                 | 10 | U |
| 71-55-6    | 1,1,1-Trichloroethane      | 5  | U |
| 56-23-5    | Carbon Tetrachloride       | 5  | U |
| 108-05-4   | Vinyl Acetate              | 10 | U |
| 75-27-4    | Bromodichloromethane       | 5  | U |
| 78-87-5    | 1,2-Dichloropropane        | 5  | U |
| 10061-01-5 | cis-1,3-Dichloropropene    | 5  | U |
| 79-01-6    | Trichloroethene            | 5  | U |
| 124-48-1   | Dibromochloromethane       | 5  | U |
| 79-00-5    | 1,1,2-Trichloroethane      | 5  | U |
| 71-43-2    | Benzene                    | 5  | U |
| 10061-02-6 | Trans-1,3-Dichloropropene  | 5  | U |
| 75-25-2    | Bromoform                  | 5  | U |
| 108-10-1   | 4-Methyl-2-pentanone       | 10 | U |
| 591-78-6   | 2-Hexanone                 | 10 | U |
| 127-18-4   | Tetrachloroethene          | 5  | U |
| 79-34-5    | 1,1,2,2-Tetrachloroethane  | 5  | U |
| 108-88-3   | Toluene                    | 5  | U |
| 108-90-7   | Chlorobenzene              | 5  | U |
| 100-41-4   | Ethylbenzene               | 5  | U |
| 100-42-5   | Styrene                    | 5  | U |
| 1330-20-7  | Xylene (total)             | 5  | U |

1E  
VOLATILE ORGANICS ANALYSIS SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKUN

Lab Name: Roy F. Weston, Inc. Contract: 01667010001

Lab Code: WESTON Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER

Lab Sample ID: 97LVW093-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W041105

Level: (low/med) LOW

Date Received: 04/11/97

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/11/97

Column: (pack/cap) CAP

Dilution Factor: 1.00

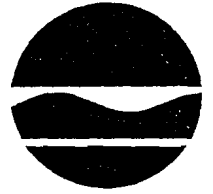
Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT    | EST. CONC. | Q     |
|------------|---------------|-------|------------|-------|
| =====      | =====         | ===== | =====      | ===== |
| 1.         |               |       |            |       |

New York State Department of Environmental Conservation  
Building 40 - SUNY, Stony Brook, New York 11790-2356  
Division of Environmental Remediation  
Telephone: (516) 444-0240  
Facsimile: (516) 444-0373



John P. Cahill  
Acting Commissioner

*Faxed 3/28/97*

March 28, 1997

David Keil, Project Manager  
Camp Dresser & McKee  
100 Crossways Park West  
4th Floor - Suite #415  
Woodbury NY 11797-2012

Re: Proposed Work Plan Changes  
Final Investigative Work Plan  
25 Melville Park Road, Melville

Dear Mr. Keil:

Your proposed work plan changes as stated in your 3/19/97 letter and in your faxes dated 3/26/97 and 3/27/97 are not completely acceptable. However, we do wish to work with you on this matter and the essence of your proposal is acceptable to the Department. However, I will state in this letter what specifically will be acceptable.

**1. 3 Soil Borings by the Loading Dock as Shown on Figure 4**

Two soil samples will be collected from each boring. Analyzing each of these samples for volatile organics (VOAs) only using USEPA Method 8240 with no data package (Level A Reportables, report only) will be acceptable. The 10 highest tentatively identified compounds (TICs) should also be reported. No trip blanks, field blanks, or duplicates will be required for these screening samples. You may perform additional soil borings, as needed, in this area to identify the source area, analyzing the samples for only VOAs + TICs. However, once the source area is identified, soil samples must be collected and analyzed to adequately characterize the area. These samples will be analyzed according to the agreed upon sampling parameters in Table 1 of the work plan (VOAs, BNAs, metals/cyanide). Insufficient sample material in a sampling core will not be an acceptable excuse for limiting the sampling parameters unless this is approved in the field by NYSDEC representative overseeing the work. The reduced QA/QC (report only) format will also be acceptable for the source area soil samples. A field blank will be necessary for these source area samples only if there is a chance that field sampling equipment may have residual contamination. No duplicate sample will be needed since NYSDEC will be splitting one of the source area soil samples with you. Method 8240 + 10 TICs for VOAs will be used. We recommend Method 8270 + 20 TICs for BNAs and SW-846

methods for metals and cyanide. Barium must be one of the metals being analyzed. Please provide a list of the metals to be analyzed for Department review prior to sampling.

## 2. One Soil Sample by MW-11

This single soil sample can be analyzed by Method 8240 with no data package. No trip or field blanks will be required.

## 3. Four Direct Push Groundwater Samples (64' and 72' bls)

The reduced QA/QC (report only) for these samples will be acceptable. Methods 601/602 or alternative Method 8240 are acceptable. However, again we must have the top ten TICs reported. A trip blank will be required with these samples. If new direct push probes are used, no field blank will be required. Otherwise, a field blank collected by pouring laboratory prepared DI water through one of the cleaned rods will be necessary.

## 4. Groundwater Samples from Monitoring Wells

Laboratory analysis of the groundwater samples collected from monitoring wells will proceed according to the approved work plan (CLP VOAs, CLP BNAs, CLP metals/cyanide).


---

If a major source area in the unsaturated zone is identified, you may wish to expand the number of borings and number of soil samples collected so that horizontal and vertical extent of the soil contamination will be determined. Otherwise, we can address this later. Please feel free to discuss this in the field with the NYSDEC representative.

If the above changes are satisfactory to you, please attach a copy of this letter to the approved work plan so that there will be no mistakes in the field.

If you have any questions or if you disagree with any of the above proposed changes, please do not hesitate to call me at (516) 444-0244.

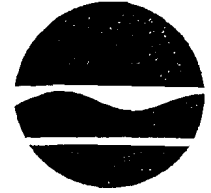
Sincerely,



Robert R. Stewart  
Environmental Engineer I

cc: R. Becherer  
J. Byrne  
A. Chakraborti  
S. O'Hara, Archon Group  
S. Backer, Archon Group  
C. McKenzie, Beveridge and Diamond

New York State Department of Environmental Conservation  
Building 40 - SUNY, Stony Brook, New York 11790-2356  
Division of Environmental Remediation  
Telephone: (516) 444-0240  
Facsimile: (516) 444-0373



John P. Cahill  
Acting Commissioner

Certified Mail/R.R.R.

March 10, 1997

David J. Keil, Project Manager  
Camp Dresser & McKee  
100 Crossways Park West  
Woodbury, New York 11797

Re: Revised Investigative Work Plan for 25 Melville Park Road, Melville, NY  
February 1997

Dear Mr. Keil:

Thank you for the submission of the revised Investigative Work Plan for the 25 Melville Park Road site. This work plan has satisfactorily addressed the Department's comments. This work plan will be officially approved after the following:

1. You identify the analytical laboratory that you intend to use for this project. This laboratory must be certified by NYSDOH ELAP for CLP category.
2. The Voluntary Investigation Agreement is signed by the volunteer and executed by the Department.

Please contact me prior to scheduling the field work. Please allow me sufficient notice so that I can order and receive the bottles for the Department's split samples.

Sincerely,

Robert R. Stewart  
Environmental Engineer I

cc: R. Becherer  
J. Swartwout  
R. Cozzy  
J. Byrne  
A. Chakraborti  
G. Fitzpatrick, SCDHS  
G. Laccetti, NYSDOH  
S. O'Hara, Archon Group  
S. Backer, Archon Group  
C. McKenzie, Beveridge & Diamond



OCT-15-1996 13:01

FROM RIZZO ASSOCIATES, INC.

TO

912148307648

P. 02

Cone

TO: DAVE KEIL

FR: SHAWN O'HARA

4 PAGES

(516) 496-8864

7/14/97

## Memorandum

To: Shawn O'Hara  
Fr: George G. Gurney  
Re: Melville Area Wells  
Dt: October 10, 1996

Below is a tabulation of the wells identified in the Melville area.

| Well Number | Depth    | Lithology                                                               | Use                                                | Sampling Data |
|-------------|----------|-------------------------------------------------------------------------|----------------------------------------------------|---------------|
| 1           | 274 feet | Coarse to fine Sand to 230 fbg. Clay beyond.                            | Air Conditioning-Drilled 1969                      | None          |
| 2           | 112 feet | Brown Sand and Gravel, Brown Sandy Clay                                 | Diffusion Well-Drilled 1966                        | None          |
| 3           | 114 feet | Brown Sand an Gravel. Some brown and grey sandy clay reported at 77 fbg | Air Conditioning- previously. Currently not in Use | None          |
| 4           | 83 feet  | Medium to Fine Sand                                                     | Irrigation- Installed in 1969- Abandoned           | None          |
| 5           | 274 feet | Brown Sand and some Brown Sandy Clay                                    | Air Conditioning- Drilled 1977                     | None          |

RIZZO ASSOCIATES, INC.

**Memorandum**  
**Melville Area Wells**  
**October 10, 1996**

2

|               |                          |                                                            |                                               |                                                                       |
|---------------|--------------------------|------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------|
| 6-Three Wells | 93 to 210 feet           | Sand and Gravel to 90 fbg. Solid Grey Clay from 90-149 fbg | Air Conditioning-diffusion Drilled 1982-1983  | None                                                                  |
| 7             | 79 feet                  | Sand and Gravel                                            | Farm Irrigation-Abandoned, drilled 1953       | None                                                                  |
| 8-Three Wells | 56-Greater than 267 feet | Sand with Some Clay to 177 fbg. Grey Clay Below.           | Air Conditioning-Diffusion, Drilled           | None                                                                  |
| 9             | 142 feet                 | Sand and Gravel, Some Clay                                 | Diffusion Well-Drilled 1987                   | None                                                                  |
| 10            | 100 feet                 | Fine to Medium Sand                                        | Air Conditioning-Drilled 1982                 | None                                                                  |
| 11            | NA                       | NA                                                         | Monitoring Well-Newsday                       | NA                                                                    |
| 12            | 44 feet                  | NA                                                         | Monitoring Well-Newsday, Drilled 1978         | .7 ppb-TCA (1994)<br>4 ppb- toluene (1994)<br>13 ppb-1,1,2 TCE (1994) |
| 13            | 45 feet                  | Upper glacial                                              | Suffolk County                                | None                                                                  |
| 14            | 500 feet                 | Screened in Magothy (405-500)                              | Huntington Community Water Supply Well (#7-2) | No VOCs detected 1995                                                 |
| 15            | 540 feet                 | Screened in Magothy (475-540)                              | Huntington Community Water Supply Well (#7-1) | No VOCs detected in 1995                                              |

**RIZZO ASSOCIATES, INC.**

7-14-1997 3:12PM

FROM ARCHON-ESS DEPT. 9728682505

P.3

OCT-15-1996 13:03

FROM RIZZO ASSOCIATES, INC.

TO

912148307648

P.05

**Memorandum**  
**Melville Area Wells**  
**October 10, 1996**

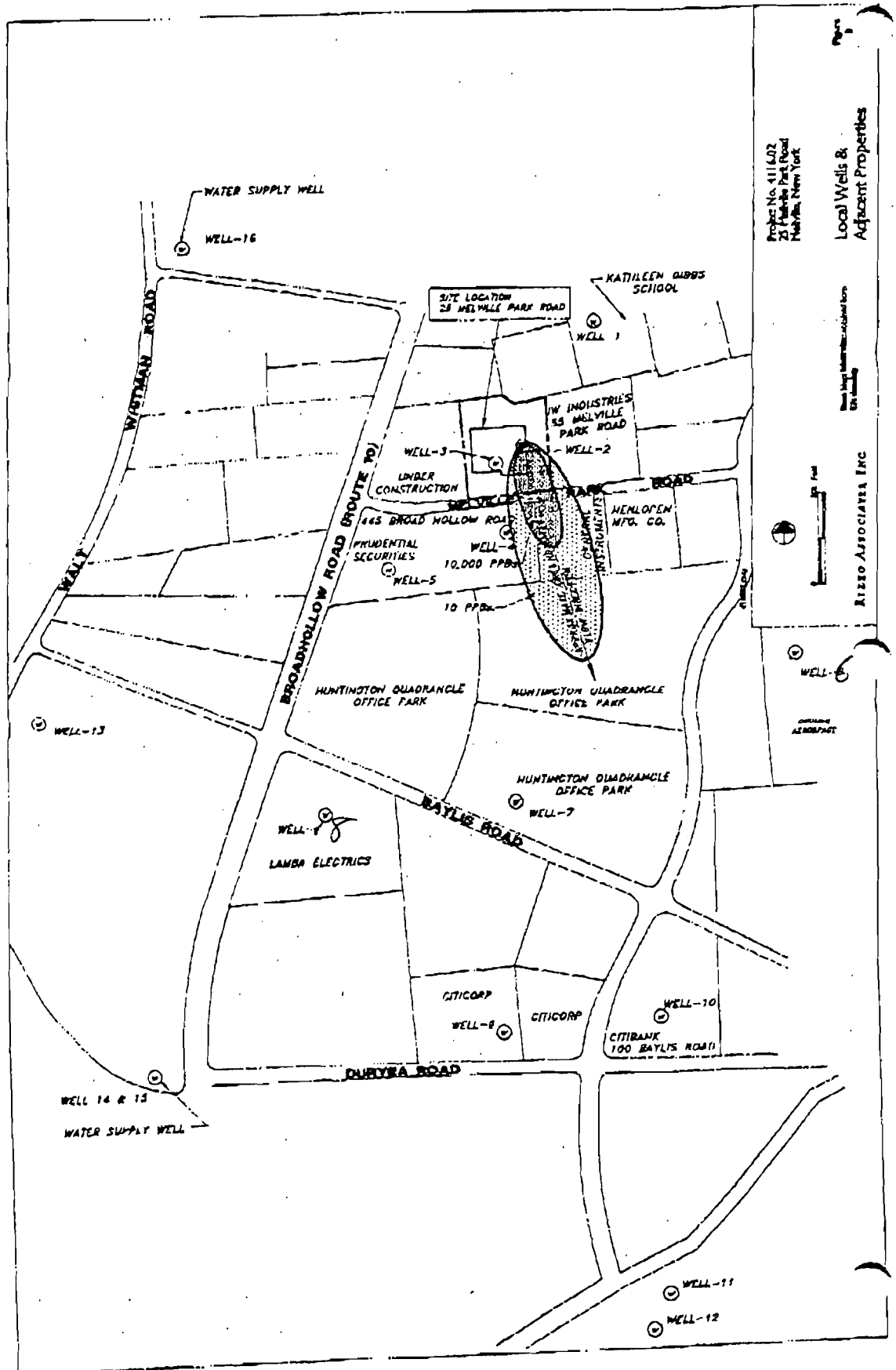
**3**

|    |          |                                      |                                                    |                                |
|----|----------|--------------------------------------|----------------------------------------------------|--------------------------------|
| 16 | 630 feet | Screened in<br>Magothy (565-<br>625) | Huntington<br>Community<br>Water Supply<br>(#18-1) | No VOCs<br>detected in<br>1995 |
|----|----------|--------------------------------------|----------------------------------------------------|--------------------------------|

**RIZZO ASSOCIATES, INC.**

TOTAL P.05

TOTAL P. 01



APPENDIX D

INVESTIGATION-DERIVED WASTE DISPOSAL

# Allstate GeoTek, Inc.

We're Helping Corporate America Manage The Environment

May 19, 1997

PHONE:516-496-8400

FAX:516-496-8864

Mr. David Keil  
CAMP DRESSER McKEE  
100 Crossways Park West  
Woodbury, N. Y. 11797

Dear Mr. Keil,

Allstate GeoTek, Inc., a division of Allstate Power-Vac, Inc., is pleased to submit the following quotation for the disposal of waste at your Melleville, Long Island location.

## EXECUTIVE SUMMARY

Allstate GeoTek, Inc. is a provider of comprehensive environmental services throughout the East Coast. AGT is a licensed hazardous waste hauler in 41 states, with standard disposal agreements for non-hazardous and hazardous contaminated materials, both liquid and solid. Our environmental remediation services include surface remediation, groundwater restoration, underground storage tank management, and site decontamination. We also provide industrial maintenance and cleaning, utilizing a wide range of water blasting applications pumping services, and sewer cleaning plus video inspection. These services are available on a 24-hour emergency basis.

## SCOPE OF WORK

- Upon arrival on site, Allstate GeoTek, Inc. will be ready to pick up, transport and dispose designated waste, using trained personnel. Allstate GeoTek employees will be attired in the required protective clothing and adhere to all OSHA standards.
- Allstate GeoTek, Inc. will handle disposal of approved waste stream pending approval at an approved waste facility.
- AGT will provide all waste management services such as paperwork, the labeling of drums and manifests.



Mr. Keil  
page 2  
May 19, 1997

**DISPOSAL:**

1) NON-HAZARDOUS MATERIAL(Solid/Sludge-Drill Cuttings)  
Disposal \$110.00 per drum

2.) NON-HAZARDOUS(Liquid-Purge Water)  
Disposal \$135.00 per drum

TRANSPORTATION (From Melleville, Long Island to Clayton, N.J.)  
(Requires both a box truck and trailer based on estimated quantity of 100 drums total.)

a.)Box Truck \$350.00 per load  
b.)Trailer \$650.00 per load

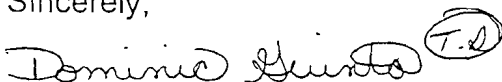
This pricing is based upon the following contingencies:

- Unimpeded access to work site will be given to Allstate personnel
- All waste is subject to approvals into the respective disposal facilities. A completed waste material profile sheet must be submitted for approval into the disposal.
- Disposal rates and outlets are based on information provided by the generator. Any variances in waste composition may result in off-spec charges and demurrage fees.

Allstate GeoTek, Inc. will initiate this project upon agreement to our General Terms and Conditions and receipt of a Purchase Order

I hope this quotation meets with your approval. If you have any questions or require additional information, please contact the undersigned at 908-862-3800.

Sincerely,



Dominic Guinto  
Account Manager

☐ 928 E. Hazelwood Ave.  
Rahway, N.J. 07065  
908-815-0220

**Allstate**  
**power-vac**  
INDUSTRIAL ENVIRONMENTAL SERVICES

☐ 10 Industrial Highway  
Building J. Mailstop 9  
Lester, PA 19113  
PA. 610-521-8923

BILL OF LADING

ACCOUNT COPY **W.H. C-S REALTY**

No. **22301**

|                                                                                                                                                                                                                                                 |  |                                                    |                  |                                |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|------------------|--------------------------------|--|
| PREPAID<br><input type="checkbox"/> <b>CAMP, DRESSER + YICKEE</b>                                                                                                                                                                               |  | ORIGIN CITY & STATE<br><b>LONG ISLAND NEW YORK</b> |                  | SHIPPER'S NO (S I D #)         |  |
| SHIPPER<br><b>25 MELLVILLE PARK RD.</b>                                                                                                                                                                                                         |  | TRAILER<br><b>#331</b>                             | QUANTITY ORDERED | DATE SHIPPED<br><b>5/11/97</b> |  |
| COLLECT<br><input type="checkbox"/> <b>JANACH RECYCLING CO.</b>                                                                                                                                                                                 |  | DESTINATION CITY & STATE<br><b>QUEEN NEW YORK</b>  |                  | CUSTOMER'S NO                  |  |
| CONSIGNEE<br><b>QUEEN, N.Y.</b>                                                                                                                                                                                                                 |  | ACCT OF                                            |                  |                                |  |
| COMP                                                                                                                                                                                                                                            |  | LOADING TEMP. F.                                   |                  | HM                             |  |
| TARIFF COMMODITY DESCRIPTION<br><b>SLUDGE + SOIL + SOLID MATERIAL<br/>FROM DRUMS<br/>NO RESOLUTION D.O.T 16 YARDS</b>                                                                                                                           |  |                                                    |                  |                                |  |
| QUANTITY                                                                                                                                                                                                                                        |  |                                                    |                  |                                |  |
| PER CUSTOMER REQUIREMENTS                                                                                                                                                                                                                       |  |                                                    |                  |                                |  |
| PUBLIC SCALES<br><input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD                                                                                                                                                                  |  |                                                    |                  |                                |  |
| CARRIERS<br>LOAD UNLOAD S/S                                                                                                                                                                                                                     |  |                                                    |                  |                                |  |
| PUMP <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                                                                                                                                                                 |  |                                                    |                  |                                |  |
| COMPRESSOR <input type="checkbox"/>                                                                                                                                                                                                             |  |                                                    |                  |                                |  |
| VACUUM <input type="checkbox"/>                                                                                                                                                                                                                 |  |                                                    |                  |                                |  |
| BLOWER <input type="checkbox"/>                                                                                                                                                                                                                 |  |                                                    |                  |                                |  |
| CARRIER'S HOSE FEET                                                                                                                                                                                                                             |  |                                                    |                  |                                |  |
| <input type="checkbox"/> S/S CHEM SOLV<br>TEFLON VITON                                                                                                                                                                                          |  |                                                    |                  |                                |  |
| <input type="checkbox"/> TANK CLEANED                                                                                                                                                                                                           |  |                                                    |                  |                                |  |
| <input type="checkbox"/> DEADHEAD MILES                                                                                                                                                                                                         |  |                                                    |                  |                                |  |
| <input type="checkbox"/> SPOTTING DAYS                                                                                                                                                                                                          |  |                                                    |                  |                                |  |
| This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. |  |                                                    |                  |                                |  |
| LOADING TRACTOR                                                                                                                                                                                                                                 |  | L O A D I N G                                      |                  |                                |  |
| DATE                                                                                                                                                                                                                                            |  | MILITARY TIME                                      |                  |                                |  |
| O U T                                                                                                                                                                                                                                           |  |                                                    |                  |                                |  |
| I N                                                                                                                                                                                                                                             |  |                                                    |                  |                                |  |
| UNLOADING TRACTOR                                                                                                                                                                                                                               |  | U N L O A D I N G                                  |                  |                                |  |
| DATE                                                                                                                                                                                                                                            |  | MILITARY TIME                                      |                  |                                |  |
| O U T                                                                                                                                                                                                                                           |  |                                                    |                  |                                |  |
| I N                                                                                                                                                                                                                                             |  |                                                    |                  |                                |  |
| FIRM <b>E.P.M.</b>                                                                                                                                                                                                                              |  | BY <b>Frank Mc</b>                                 |                  | DELIVERY DATE <b>5/12/97</b>   |  |
| SHOW COMPLETE CONSIGNEE NAME AND SIGNATURE                                                                                                                                                                                                      |  |                                                    |                  |                                |  |
| "I HAVE CHECKED THE DOCUMENTS PERTAINING TO THIS SHIPMENT, AND HAVE FURNISHED INSTRUCTIONS TO THE DRIVER FOR UNLOADING."                                                                                                                        |  |                                                    |                  |                                |  |
| TIME                                                                                                                                                                                                                                            |  | DATE                                               |                  | SIGNED                         |  |
| CARRIER PER <b>ALL STATE POWER</b>                                                                                                                                                                                                              |  |                                                    |                  |                                |  |
| SHIPPER PER <b>W.H. C-S REALTY</b>                                                                                                                                                                                                              |  |                                                    |                  |                                |  |
| GOVERNED BY APPLICABLE TARIFFS                                                                                                                                                                                                                  |  |                                                    |                  |                                |  |



☒ 928 E. Hazelwood Ave.  
Rahway, N.J. 07065  
908-815-0220

**Allstate  
power-vac**  
INDUSTRIAL ENVIRONMENTAL SERVICES

☐ 10 Industrial Highway  
Building J. Mailstop 9  
Lester, PA 19113  
PA. 610-521-8923

BILL OF LADING

ACCOUNT COPY

No. 25185

|                                                                 |  |                                                                  |  |                                                                                                                                                                                                                                                 |  |
|-----------------------------------------------------------------|--|------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input type="checkbox"/> PREPAID<br><b>WHCS REALTY</b>          |  | ORIGIN CITY & STATE<br><b>Melville, New York</b>                 |  | SHIPPER'S NO (S I D #)                                                                                                                                                                                                                          |  |
| SHIPPER <b>25 Melville Road</b>                                 |  | TRAILER                                                          |  | QUANTITY ORDERED                                                                                                                                                                                                                                |  |
| <input type="checkbox"/> COLLECT<br><b>Paradise Heating Oil</b> |  | <b>326</b>                                                       |  | DATE SHIPPED                                                                                                                                                                                                                                    |  |
| CONSIGNEE <b>Quimby Street</b>                                  |  | DESTINATION CITY & STATE<br><b>Ossining, New York</b>            |  | CUSTOMER'S NO                                                                                                                                                                                                                                   |  |
| ACCT OF<br><b>Allstate Power Vac, Inc.</b>                      |  | P.O. WORK ORDER #                                                |  | FLASH POINT                                                                                                                                                                                                                                     |  |
| COMP                                                            |  | LOADING TEMP. F.                                                 |  | HM                                                                                                                                                                                                                                              |  |
|                                                                 |  | TARIFF COMMODITY DESCRIPTION                                     |  | QUANTITY                                                                                                                                                                                                                                        |  |
|                                                                 |  | <b>Petroleum Contaminated Soil.<br/>(Non RCRA/DOT regulated)</b> |  | <b>3,500 SLS</b>                                                                                                                                                                                                                                |  |
|                                                                 |  |                                                                  |  | <b>11.5 GALS</b>                                                                                                                                                                                                                                |  |
| LOADING TRACTOR                                                 |  | L O A D I N G                                                    |  | PER CUSTOMER REQUIREMENTS                                                                                                                                                                                                                       |  |
| DATE                                                            |  | MILITARY TIME                                                    |  | PUBLIC SCALES<br><input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD                                                                                                                                                                  |  |
|                                                                 |  |                                                                  |  | CARRIERS LOAD UNLOAD S/S                                                                                                                                                                                                                        |  |
|                                                                 |  |                                                                  |  | PUMP <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                                                                                                                                                                 |  |
|                                                                 |  |                                                                  |  | COMPRESSOR <input type="checkbox"/>                                                                                                                                                                                                             |  |
|                                                                 |  |                                                                  |  | VACUUM <input type="checkbox"/>                                                                                                                                                                                                                 |  |
|                                                                 |  |                                                                  |  | BLOWER <input type="checkbox"/>                                                                                                                                                                                                                 |  |
| UNLOADING TRACTOR                                               |  | U N L O A D I N G                                                |  | CARRIER'S HOSE FEET                                                                                                                                                                                                                             |  |
| DATE                                                            |  | MILITARY TIME                                                    |  | <input type="checkbox"/> S/S CHEM SOLV<br>TEFLON VITON                                                                                                                                                                                          |  |
|                                                                 |  |                                                                  |  | <input type="checkbox"/> TANK CLEANED                                                                                                                                                                                                           |  |
|                                                                 |  |                                                                  |  | <input type="checkbox"/> DEADHEAD MILES                                                                                                                                                                                                         |  |
|                                                                 |  |                                                                  |  | <input type="checkbox"/> SPOTTING DAYS                                                                                                                                                                                                          |  |
|                                                                 |  |                                                                  |  | This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. |  |
| FIRM <b>FCQm</b>                                                |  | BY <b>Frank M.</b>                                               |  | CARRIER PER <b>ALL STATE POWER VAC</b>                                                                                                                                                                                                          |  |
| SHOW COMPLETE CONSIGNEE NAME AND SIGNATURE                      |  | DELIVERY DATE <b>5/17/87</b>                                     |  | SHIPPER PER <b>W. C. M.</b>                                                                                                                                                                                                                     |  |
| CO \$                                                           |  | TIME                                                             |  | DATE                                                                                                                                                                                                                                            |  |
|                                                                 |  | SIGNED                                                           |  | GOVERNED BY APPLICABLE TARIFFS                                                                                                                                                                                                                  |  |

4 SHIPPER'S  
COPY

☒ 928 E. Hazelwood Ave.  
Rahway, N.J. 07065  
908-815-0220

**Allstate  
power-vac**  
INDUSTRIAL ENVIRONMENTAL SERVICES

☐ 10 Industrial Highway  
Building J. Mailstop 9  
Lester, PA 19113  
PA. 610-521-8923

BILL OF LADING

No. 25165

|                                                                                                                             |                       |                                                                                                                                                                                                                                                             |                                                                                                                               |  |             |                         |                                                                                                                                                                                                           |  |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--|-------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| PREPAID<br><input checked="" type="checkbox"/> 25 MELVILLE PARK ROAD SITE                                                   |                       |                                                                                                                                                                                                                                                             | ORIGIN CITY & STATE<br>MELVILLE, NEW YORK                                                                                     |  |             | SHIPPER'S NO (S.I.D. #) |                                                                                                                                                                                                           |  |
| SHIPPER<br>COLLECT                                                                                                          |                       |                                                                                                                                                                                                                                                             | TRACTOR<br>16                                                                                                                 |  | TRAILER     |                         | QUANTITY ORDERED                                                                                                                                                                                          |  |
| CONSIGNEE<br>REPUBLIC ENV. RECYCLING<br>CENCO BOULEVARD                                                                     |                       |                                                                                                                                                                                                                                                             | DESTINATION CITY & STATE<br>CLAYTON, NJ 08312                                                                                 |  |             |                         | DATE SHIPPED<br>05/27/97                                                                                                                                                                                  |  |
| ACCT OF<br>ALLSTATE POWER VAC, INC.                                                                                         |                       |                                                                                                                                                                                                                                                             | PO/WORK ORDER #<br>3NY0323                                                                                                    |  | FLASH POINT |                         | PER CUSTOMER REQUIREMENTS                                                                                                                                                                                 |  |
| COMP                                                                                                                        | LOADING<br>TEMP. F.   | HM                                                                                                                                                                                                                                                          | TARIFF COMMODITY DESCRIPTION                                                                                                  |  |             |                         | PUBLIC SCALES<br><input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD                                                                                                                            |  |
|                                                                                                                             |                       |                                                                                                                                                                                                                                                             | NON-HAZARDOUS LIQUIDS.<br>(Liquids from groundwater monitoring<br>well installation/pump-out)<br>Non RCRA, Non DOT Regulated. |  |             |                         | CARRIERS<br>PUMP <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>COMPRESSION <input type="checkbox"/><br>VACUUM <input type="checkbox"/><br>BLOWER <input type="checkbox"/> |  |
| LOADING TRACTOR<br>16                                                                                                       |                       |                                                                                                                                                                                                                                                             | EXPLAIN EACH FUNCTION TO THE NEAREST 1/4 HOUR                                                                                 |  |             |                         | CARRIER'S HOSE _____ FEET                                                                                                                                                                                 |  |
| DATE<br>5/27                                                                                                                | MILITARY TIME<br>1000 | <input type="checkbox"/> S/S CHEM SOLV<br>TEFLON VITON                                                                                                                                                                                                      |                                                                                                                               |  |             |                         |                                                                                                                                                                                                           |  |
| DATE<br>5/27                                                                                                                | MILITARY TIME<br>0700 | <input type="checkbox"/> TANK CLEANED                                                                                                                                                                                                                       |                                                                                                                               |  |             |                         |                                                                                                                                                                                                           |  |
| UNLOADING TRACTOR<br>16                                                                                                     |                       |                                                                                                                                                                                                                                                             | RESERVED FOR THE SHIPPER'S USE FOR RECORDING AND DOCUMENTATION                                                                |  |             |                         | <input type="checkbox"/> DEADHEAD MILES _____                                                                                                                                                             |  |
| DATE<br>5/27                                                                                                                | MILITARY TIME         | <input type="checkbox"/> SPOTTING DAYS _____                                                                                                                                                                                                                |                                                                                                                               |  |             |                         |                                                                                                                                                                                                           |  |
| DATE<br>5/27                                                                                                                | MILITARY TIME         | This is to certify that the above-named materials<br>are properly classified, described, packaged,<br>marked and labeled, and are in proper condition<br>for transportation according to the applicable<br>regulations of the Department of Transportation. |                                                                                                                               |  |             |                         |                                                                                                                                                                                                           |  |
| FIRM _____ BY _____                                                                                                         |                       |                                                                                                                                                                                                                                                             | DELIVERY DATE<br>5/27/97                                                                                                      |  |             |                         | CARRIER<br>PER <i>Carl Olt</i>                                                                                                                                                                            |  |
| SHOW COMPLETE CONSIGNEE NAME AND SIGNATURE                                                                                  |                       |                                                                                                                                                                                                                                                             |                                                                                                                               |  |             |                         | SHIPPER<br>PER <i>[Signature]</i>                                                                                                                                                                         |  |
| "I HAVE CHECKED THE DOCUMENTS PERTAINING TO THIS SHIPMENT, AND HAVE<br>FURNISHED INSTRUCTIONS TO THE DRIVER FOR UNLOADING." |                       |                                                                                                                                                                                                                                                             |                                                                                                                               |  |             |                         | REVIEWED BY APPLICABLE TAXES                                                                                                                                                                              |  |
| TIME _____ DATE _____ SIGNED _____                                                                                          |                       |                                                                                                                                                                                                                                                             |                                                                                                                               |  |             |                         |                                                                                                                                                                                                           |  |

## ALLSTATE POWER VAC, INC.

CORPORATE OFFICE  
GOETHALS INDUSTRIAL PARK  
2515 BRUNSWICK AVENUE  
LINDEN, NEW JERSEY 07036

FOR CUSTOMER SERVICE/BILLING INQUIRIES  
CALL (908) 862-3800 EXT. 118  
FAX (908) 862-4010

RECEIVED

INVOICE

NO. 15122

PAGE 1

EDISON, NEW JERSEY

B  
I CAMP DRESSER & MCKEE INC  
L RARITAN PLZA 1 RARITAN CENTER  
L EDISON NJ 08818  
ATTN: ACCOUNTS PAYABLE  
T  
O

J 3NY0323  
O 25 MELLVILLE PARK RD  
B MELVILLE LI  
DAVID KEIL 516-496-8400  
N  
O

| INVOICE DATE | INVOICE NO. | CUSTOMER NO. | PAYMENT TERMS | CONTRACT NO. |
|--------------|-------------|--------------|---------------|--------------|
| 6/30/97      | 15122       | CAM001       | ON RECEIPT    |              |

| QUANTITY | DESCRIPTION | UNIT PRICE | EXTENDED PRICE |
|----------|-------------|------------|----------------|
|----------|-------------|------------|----------------|

ROLL-OFF SUMMARY  
=====

|      |                                                                               |            |           |
|------|-------------------------------------------------------------------------------|------------|-----------|
| 1.00 | TOTAL FOR TRANSPORTATION,<br>DISPOSAL, & DEMURRAGE.<br>(SEE ATTACHED SUMMARY) | 13820.0000 | 13,820.00 |
|------|-------------------------------------------------------------------------------|------------|-----------|

*Approved for payment*  
*D. Keil*

6-23-97

10278-20942-PK4

*for removal of balance of  
drummed investigation-derived wastes*

VOUCHER NUMBER: ED \_\_\_\_\_  
CHARGE TO: \_\_\_\_\_  
Project \_\_\_\_\_  
EMPLOYEE ID: \_\_\_\_\_  
APPROVAL \_\_\_\_\_  
DATE: 6/20/97

|           |           |     |            |
|-----------|-----------|-----|------------|
| GROSS     | RETAINAGE | TAX | NET AMOUNT |
| 13,820.00 | .00       | .00 | 13,820.00  |

CUSTOMER COPY

321 East Hazelwood Avenue  
Rahway, NJ 07065  
NJ (800) 876-9699



10 Industrial Highway  
Building J, Mailstop 9  
Lester, PA 19113  
PA (800) 876-9690

INDUSTRIAL ENVIRONMENTAL SERVICES

|                |                                |              |                               |                    |
|----------------|--------------------------------|--------------|-------------------------------|--------------------|
| DATE<br>5/7/97 | CONTACT NAME<br>FRANK ROBINSON | CONTRACT NO. | PURCHASE ORDER NO.<br>#10278- | JOB NO.<br>IN45839 |
|----------------|--------------------------------|--------------|-------------------------------|--------------------|

Client CAMP, Dresser + McKee Co's

Job Location SAME

Address 25 Melville Park R-D.

Job Description VAC- SLUDGE + SOIL

City Melville State NEW YORK  
L. ISLAND.

+ WATER FROM DRUMS

Phone 516-496-8400

Start Time: 0500 On Site 0800 Off Site 1500 Finish Time 1930

| Personnel                                     | Job Class | Total Hrs. | Reg Hrs. | Reg. Rate | Reg. Total | O.T. Hrs. | O.T. Rate | O.T. Total | Amount |
|-----------------------------------------------|-----------|------------|----------|-----------|------------|-----------|-----------|------------|--------|
| 1. TAV. PERTON. O.P./SUPV                     |           |            |          |           |            |           |           |            |        |
| 2. N. WASHINGTON. - O.P.                      |           |            |          |           |            |           |           |            |        |
| 3. JOSE DIAZ - F.T.                           |           |            |          |           |            |           |           |            |        |
| 4.                                            |           |            |          |           |            |           |           |            |        |
| 5.                                            |           |            |          |           |            |           |           |            |        |
| 6.                                            |           |            |          |           |            |           |           |            |        |
| 7.                                            |           |            |          |           |            | 8         |           |            |        |
| 8. Disposal of Sludge + Solids 10.67 @ 100.00 |           |            |          |           |            | 10.67     |           |            |        |
| TOTAL LABOR \$                                |           |            |          |           |            |           |           |            |        |

| Description            | Hrs. | Rate | Amount  | Description            | Hrs. | Rate | Amount |
|------------------------|------|------|---------|------------------------|------|------|--------|
| 1. TURBO-VAC #331      |      |      |         | BREATHING EQUIP.       |      |      |        |
| 1. LIQUID VAC          |      |      |         | BREATHING AIR BOTTLES  |      |      |        |
| SUPPOR TRUCK #04       |      |      |         | CONSUMABLE SAFETY GEAR |      |      |        |
| 100 FT FLEX HOSE 6 IN. |      |      |         | MATERIALS              |      |      |        |
| R. DUCT TAPE           |      |      |         | INSURANCE SURCHARGE    |      |      |        |
| W/ GUT                 |      |      |         | BOX RENTAL             |      |      |        |
| 8 R. GLOVES            |      |      |         | DROPS/SPOTS            |      |      |        |
| 2.00 REMD SUM          |      |      | 2944.00 | TRANSPORTATION CHRG    |      |      |        |
| 2.00 DISPOSAL OF L.P.  | 28   |      | 980.00  | DISPOSAL CHARGE        |      |      |        |

Comments: TRANSPORT SLUDGE + SOLID.  
To JAMAICA. RECYCLING.  
LIQUID To. PARADISE. COI  
JOSE DIAZ.  
DRIVE TRUCK #04  
To Job + SHOP

|                 |           |
|-----------------|-----------|
| TOTAL EQUIPMENT |           |
| TOTAL LABOR     |           |
| GRAND TOTAL     | \$4991.00 |

x Frank Robinson (Cdn)  
Customer's Authorized Signature  
Print Name

SUPERVISOR

☒ Job Complete  
☐ Job Incomplete

CUSTOMER

☒ Satisfactory  
☐ Unsatisfactory

No. 25185

[illegible]

Lester, PA 19113  
PA. 610-521-8923

|                                                                                                                          |  |                                                                                                                |  |                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| REPAID<br>SHIPPER<br>COLLECT<br>CONSIGNEE<br>COT OF                                                                      |  | CAMP DRESSER + MCKEE<br>25 MELLVILLE PARK RD.<br>JAMAICA RECYCLING CO.<br>QUEEN, N.Y.                          |  | ORIGIN CITY & STATE<br>LONG ISLAND, NEW YORK<br>#331<br>DESTINATION CITY & STATE<br>QUEEN, NEW YORK |  | SHIPPER'S NO. IS D #1<br>DATE SHIPPED<br>5/7/97<br>CUSTOMER'S NO.                                                                                                                                                                                                                                                                                                        |  |
|                                                                                                                          |  | PO/WORK ORDER #                                                                                                |  | FLASH POINT                                                                                         |  | <b>PER CUSTOMER REQUIREMENTS</b><br>PUBLIC SAFETY<br><input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD<br>CARRIER'S LOAD UNLOAD S/S<br>PUMP <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>COMPRESSOR <input type="checkbox"/> <input type="checkbox"/><br>VACUUM <input type="checkbox"/><br>BLOWER <input type="checkbox"/> |  |
| COMP<br>LOADING TEMP. F.<br>HM                                                                                           |  | TARIFF COMMODITY DESCRIPTION<br>SLUDGE + SOIL + SOLID MATERIAL<br>FROM DRUMS<br>NO REGULATION. D.O.T. 16 YARDS |  |                                                                                                     |  | QUANTITY                                                                                                                                                                                                                                                                                                                                                                 |  |
| LOADING TRACTOR<br>DATE<br>MILITARY TIME                                                                                 |  | 65,800 - Full<br>44,540 - Empty<br>21,340 - NET                                                                |  |                                                                                                     |  | CARRIER'S HOSE<br><input type="checkbox"/> S/S CHEM SOLV<br>TEFLON VITON                                                                                                                                                                                                                                                                                                 |  |
| UNLOADING TRACTOR<br>DATE<br>MILITARY TIME                                                                               |  | EXPLAIN EACH FUNCTION TO THE NEAREST 1/4 HOUR                                                                  |  |                                                                                                     |  | <input type="checkbox"/> TANK CLEANED<br><input type="checkbox"/> DEADHEAD MILES<br><input type="checkbox"/> SPOTTING DAYS                                                                                                                                                                                                                                               |  |
| FIRM<br>C.D.M.                                                                                                           |  | BY<br>Frank M.                                                                                                 |  |                                                                                                     |  | 517 97<br>DELIVERY DATE                                                                                                                                                                                                                                                                                                                                                  |  |
| I HAVE CHECKED THE DOCUMENTS PERTAINING TO THIS SHIPMENT, AND HAVE<br>FURNISHED INSTRUCTIONS TO THE DRIVER FOR UNLOADING |  | DATE<br>5/7/97                                                                                                 |  |                                                                                                     |  | SIGNED<br>[Signature]                                                                                                                                                                                                                                                                                                                                                    |  |
| TIME                                                                                                                     |  | DATE<br>5/7/97                                                                                                 |  |                                                                                                     |  | SIGNED<br>[Signature]                                                                                                                                                                                                                                                                                                                                                    |  |

[illegible]

CORPORATE OFFICE  
GOETHALS INDUSTRIAL PARK  
2515 BRUNSWICK AVENUE  
LINDEN, NEW JERSEY 07036

RECEIVED

INVOICE

NO. 14918

PAGE 1

FOR CUSTOMER SERVICE/BILLING INQUIRIES  
CALL (908) 862-3800 EXT. 118  
FAX (908) 862-4010

JUN 02 1997  
CAMP DRESSER & MCKEE  
EDISON, NEW JERSEY

B  
I CAMP DRESSER & MCKEE INC  
L RARITAN PLZA 1 RARITAN CENTER  
L EDISON NJ 08818  
ATTN: ACCOUNTS PAYABLE  
T  
O

J 1NY5839  
O 25 MELLVILLE PARK RD  
S MELVILLE LONG ISLAND  
FRANK ROBINSON  
N 516-496-8400  
O

| INVOICE DATE | INVOICE NO. | CUSTOMER NO. | PAYMENT TERMS | CONTRACT NO. |
|--------------|-------------|--------------|---------------|--------------|
| 05/19/97     | 14918       | CAM001       | ON RECEIPT    | 10278        |

| QUANTITY |     | DESCRIPTION                               | UNIT PRICE | EXTENDED PRICE |
|----------|-----|-------------------------------------------|------------|----------------|
| 10.67    | TON | DISPOSAL OF SLUDGE AND SOLIDS             | 100.0000   | 1,067.00       |
| 3,500.00 | GAL | DISPOSAL OF LIQUID                        | .2800      | 980.00         |
| 1.00     | LS  | LUMP SUM FOR LABOR MATERIAL AND EQUIPMENT | 2944.0000  | 2,944.00       |

NEW YORK STATE SALES TAX

361.80

P.O. # 10278  
DATE : 05/07/97  
CONTACT: FRANK ROBINSON  
SITE: 25 MELLVILLE, L.I.

REMOVE SLUDGE & SOIL FROM 50 DRUMS. REMOVE  
WATER FROM 40 DRUMS.

*Approved for payment*  
*6-16-97*

1078-20742-TJK

APPROVED

6/6/97

|          |           |        |            |
|----------|-----------|--------|------------|
| GROSS    | RETAINAGE | TAX    | NET AMOUNT |
| 4,991.00 | .00       | 361.85 | 5,352.85   |

CUSTOMER COPY

ALLSTATE POWER VAC, INC.

INVOICE DATE:

30-May-97

CAMP DRESSER McKEE

## ROLL-OFF BILLING SUMMARY

RE: VARIOUS ROLL-OFF BOX CHARGES FOR MAY

| DATE   | CONTROL # | ROLL-OFF<br>BOX # | DISPOSAL<br>OF<br>SOLIDS | DISPOSAL<br>OF<br>LIQUIDS | TRANSPORT<br>SOLIDS | TRANSPORT<br>LIQUIDS | DEMURRAGE | TOTAL<br>AMOUNT |
|--------|-----------|-------------------|--------------------------|---------------------------|---------------------|----------------------|-----------|-----------------|
| 6/2/97 | 13032     | 16, T-60          | \$8,580.00               | \$3,915.00                | \$650.00            | \$350.00             | \$325.00  | \$13,820.00     |
|        |           |                   |                          |                           |                     |                      |           |                 |
|        |           |                   |                          |                           |                     |                      |           |                 |
|        |           |                   |                          |                           |                     |                      |           |                 |
|        |           |                   |                          |                           |                     |                      |           |                 |
|        |           |                   |                          |                           |                     |                      |           |                 |
|        |           |                   | \$8,580.00               | \$3,915.00                | \$650.00            | \$350.00             |           |                 |

TOTAL AMOUNT DUE THIS INVOICE:

\$13,820.00



## ALLSTATE POWERVAC, INC.

013032

16-4-97

## ROLL-OFF CONTAINER BILLING SUMMARY

TO: CAMP DRESSER McKEE  
 100 CROSSWAYS PARK WEST  
 WOODSBURY, NY 11797

DATE INV./SERVICE: 6-2-97  
 CONTAINER NO: 16, T-60

S.P.O.#

APV JOB NO.

3N40323

APV BILL OF LADING #

DROP DATE:

STOP RENT DATE:

|                                |                      | UNITS | RATE      | CHARGE     |
|--------------------------------|----------------------|-------|-----------|------------|
| CONTAINER RENTAL               |                      |       |           |            |
| DAILY                          | (PER CONTAINER)      |       |           |            |
| WEEKLY                         | (PER CONTAINER)      |       |           |            |
| MONTHLY                        | (PER CONTAINER)      |       |           |            |
| DROP CHARGE                    |                      |       |           |            |
| ON SITE MOVES                  |                      |       |           |            |
| DISPOSAL                       | (A) SOLIDS           | 78    | \$ 110.00 | \$ 8580.00 |
|                                | (B) LIQUIDS          | 29    | \$ 135.00 | \$ 3915.00 |
| CONTAINER LINER                |                      |       |           |            |
| TRANSPORTATION                 | (A) SOLIDS           |       | \$ 650.00 | \$ 1000.00 |
|                                | (B) LIQUIDS          |       | \$ 350.00 |            |
| DEMURRAGE                      | (A) (SOS /HR AFTER)  | 1     | \$ 65.00  | \$ 65.00   |
|                                | (B) at each facility | 4     | \$ 65.00  | \$ 260.00  |
| FRANKLIN / LABOR               |                      |       |           | N/C        |
| TOTAL AMOUNT DUE THIS INVOICE: |                      |       |           |            |

TOTAL : \$ 13,820.00

WRITE ON A HARD SURFACE - BEAR DOWN.

☒ 928 E. Hazelwood Ave.  
Rahway, N.J. 07065  
908-815-0220

**Allstate**  
**power-vac**  
INDUSTRIAL ENVIRONMENTAL SERVICES

☐ 10 Industrial Highway  
Building J, Mailstop 9  
Lester, PA 19113  
PA. 610-521-8923

BILL OF LADING

No. 25166

2 CARRIER'S  
COPY

|                                                                                                                      |  |  |                                                                |  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |  |
|----------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------|--|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|
| P. PAID                                                                                                              |  |  | ORIGIN CITY & STATE                                            |  |         | SHIPPER'S NO. (SIO #)                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |  |
| 25 MELVILLE PARK ROAD SITE                                                                                           |  |  | MELVILLE, NEW YORK                                             |  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |  |
| SHIPPER                                                                                                              |  |  | TRACTOR                                                        |  | TRAILER |                                                                                                                                                                                                                                                                                                                                                                                                                                                          | QUANTITY ORDERED |  |
| C. SELECT                                                                                                            |  |  | 55                                                             |  | T60     |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |  |
| REPUBLIC ENV. RECYCLING                                                                                              |  |  | DESTINATION CITY & STATE                                       |  |         | DATE SHIPPED                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |  |
| CONSIGNEE CENCO BOULEVARD                                                                                            |  |  | CLAYTON, NJ 08312                                              |  |         | 05/27/97                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |  |
| A. OF                                                                                                                |  |  | PO WORK ORDER #                                                |  |         | FLASH POINT                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |  |
| ALLSTATE POWER VAC, INC.                                                                                             |  |  | 3NY0323                                                        |  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |  |
| COMP.                                                                                                                |  |  | TARIFF COMMODITY DESCRIPTION                                   |  |         | PER CUSTOMER REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |  |
| LOADING TEMP. F.                                                                                                     |  |  | NON-HAZARDOUS SOLIDS/SLUDGES.                                  |  |         | PUBLIC SCALES                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |  |
| HM                                                                                                                   |  |  | (Drill cuttings from groundwater monitoring well installation) |  |         | <input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD                                                                                                                                                                                                                                                                                                                                                                                            |                  |  |
|                                                                                                                      |  |  | Non RCRA, Non DOT Regulated.                                   |  |         | CARRIERS <input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD <input type="checkbox"/> SS<br>PUMP <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>COMPRESSOR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>VACUUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>BLOWER <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |                  |  |
| LOADING TRACTOR                                                                                                      |  |  | EXPLAIN EACH FUNCTION TO THE NEAREST 1/4 HOUR                  |  |         | CARRIERS HOSE FEET                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |  |
| DATE 5/27                                                                                                            |  |  | MILITARY TIME 1300                                             |  |         | <input type="checkbox"/> S/S CHEM SOLV<br><input type="checkbox"/> TEFLOON VITON                                                                                                                                                                                                                                                                                                                                                                         |                  |  |
| UNLOADING TRACTOR                                                                                                    |  |  | ON SITE TO LOAD BOX TRUCK #16 AND T60 VAN                      |  |         | <input type="checkbox"/> TANK CLEANED                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |  |
| DATE 5/28                                                                                                            |  |  | MILITARY TIME 9:00                                             |  |         | <input type="checkbox"/> DEADHEAD MILES                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |  |
| UNLOADING TRACTOR                                                                                                    |  |  | AT REPUBLIC TO UNLOAD                                          |  |         | <input type="checkbox"/> SPOTTING DAYS                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |  |
| DATE 5/28                                                                                                            |  |  | MILITARY TIME 7:00                                             |  |         | This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.                                                                                                                                                                                                          |                  |  |
| FIRM                                                                                                                 |  |  | BY PERI                                                        |  |         | CARRIER PER                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |  |
| I HAVE CHECKED THE DOCUMENTS PERTAINING TO THIS SHIPMENT AND HAVE FURNISHED INSTRUCTIONS TO THE DRIVER FOR UNLOADING |  |  | DELIVERY DATE 05/28/97                                         |  |         | SHIPPER PER                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |  |
| TIME                                                                                                                 |  |  | DATE                                                           |  |         | SIGNED                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |  |

WRITE ON A HARD SURFACE - BEAR DOWN.

2 CARRIER'S  
COPY
☐ 928 E. Hazelwood Ave.  
Rahway, N.J. 07065  
908-815-0220

**Allstate**  
**power-vac**  
INDUSTRIAL ENVIRONMENTAL SERVICES

☐ 10 Industrial Highway  
Building J. Mailstop 9  
Lester, PA 19113  
PA. 610-521-8923

BILL OF LADING

No. 22837

| REF                                                                                                                                                                                                                                                                                                                     |                     | ALLSTATE Power Vac |                                                                  | ORIGIN CITY & STATE<br>Rahway, N.J.                     |                                                                                                                                                                                                                                                           | SHIPPER'S NO (SIO #)    |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--|------|---------------------|----|------------------------------|----------|--|--|--|------------------------------------------------------------------|--|
| HI<br>OL                                                                                                                                                                                                                                                                                                                |                     | ER<br>ET           |                                                                  | TRACTOR<br>R-41                                         |                                                                                                                                                                                                                                                           | QUANTITY ORDERED        |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| CO-SIGNEE                                                                                                                                                                                                                                                                                                               |                     | C.D.M.             |                                                                  | TRAILER                                                 |                                                                                                                                                                                                                                                           | DATE SHIPPED<br>5-27-97 |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| CC                                                                                                                                                                                                                                                                                                                      |                     | F                  |                                                                  | DESTINATION CITY & STATE<br>Melville, Long Island, N.Y. |                                                                                                                                                                                                                                                           | CUSTOMER'S NO           |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
|                                                                                                                                                                                                                                                                                                                         |                     |                    |                                                                  | PO/WORK ORDER #                                         |                                                                                                                                                                                                                                                           | FLASH POINT             |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| <table border="1"> <thead> <tr> <th>COMP</th> <th>LOADING<br/>TEMP. F.</th> <th>HM</th> <th>TARIFF COMMODITY DESCRIPTION</th> <th>QUANTITY</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>Fork Lift<br/>Load B-16 + T60 with Liquid + Solid<br/>WASTE DRUMS.</td> <td></td> </tr> </tbody> </table> |                     |                    |                                                                  |                                                         |                                                                                                                                                                                                                                                           |                         |  | COMP | LOADING<br>TEMP. F. | HM | TARIFF COMMODITY DESCRIPTION | QUANTITY |  |  |  | Fork Lift<br>Load B-16 + T60 with Liquid + Solid<br>WASTE DRUMS. |  |
| COMP                                                                                                                                                                                                                                                                                                                    | LOADING<br>TEMP. F. | HM                 | TARIFF COMMODITY DESCRIPTION                                     | QUANTITY                                                |                                                                                                                                                                                                                                                           |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
|                                                                                                                                                                                                                                                                                                                         |                     |                    | Fork Lift<br>Load B-16 + T60 with Liquid + Solid<br>WASTE DRUMS. |                                                         |                                                                                                                                                                                                                                                           |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| LOADING TRACTOR<br>R-41                                                                                                                                                                                                                                                                                                 |                     |                    |                                                                  |                                                         | PER CUSTOMER REQUIREMENTS                                                                                                                                                                                                                                 |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| DATE<br>5-27                                                                                                                                                                                                                                                                                                            |                     |                    |                                                                  |                                                         | PUBLIC SCALES<br><input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD                                                                                                                                                                            |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| MILITARY TIME<br>0600                                                                                                                                                                                                                                                                                                   |                     |                    |                                                                  |                                                         | CARRIERS LOAD UNLOAD S/S                                                                                                                                                                                                                                  |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| 0530                                                                                                                                                                                                                                                                                                                    |                     |                    |                                                                  |                                                         | PUMP <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                                                                                                                                                                           |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
|                                                                                                                                                                                                                                                                                                                         |                     |                    |                                                                  |                                                         | COMPRESSOR <input type="checkbox"/> <input type="checkbox"/>                                                                                                                                                                                              |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
|                                                                                                                                                                                                                                                                                                                         |                     |                    |                                                                  |                                                         | VACUUM <input type="checkbox"/> <input type="checkbox"/>                                                                                                                                                                                                  |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
|                                                                                                                                                                                                                                                                                                                         |                     |                    |                                                                  |                                                         | BLOWER <input type="checkbox"/> <input type="checkbox"/>                                                                                                                                                                                                  |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| UNLOADING TRACTOR<br>R-41                                                                                                                                                                                                                                                                                               |                     |                    |                                                                  |                                                         | CARRIER'S HOSE FEET                                                                                                                                                                                                                                       |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| DATE<br>5-27                                                                                                                                                                                                                                                                                                            |                     |                    |                                                                  |                                                         | <input type="checkbox"/> S/S CHEM SOLV<br>TEFLON VITON                                                                                                                                                                                                    |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| MILITARY TIME<br>0730                                                                                                                                                                                                                                                                                                   |                     |                    |                                                                  |                                                         | <input type="checkbox"/> TANK CLEANED                                                                                                                                                                                                                     |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
|                                                                                                                                                                                                                                                                                                                         |                     |                    |                                                                  |                                                         | <input type="checkbox"/> DEADHEAD MILES                                                                                                                                                                                                                   |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
|                                                                                                                                                                                                                                                                                                                         |                     |                    |                                                                  |                                                         | <input type="checkbox"/> SPOTTING DAYS                                                                                                                                                                                                                    |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| EXPLAIN EACH FUNCTION TO THE NEAREST 1/4 HOUR<br>Load B-16 + T60                                                                                                                                                                                                                                                        |                     |                    |                                                                  |                                                         | This is to certify that the above-named materials<br>are properly classified, described, packaged<br>marked and labeled, and are in proper condition<br>for transportation according to the applicable<br>regulations of the Department of Transportation |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| FIRM                                                                                                                                                                                                                                                                                                                    |                     |                    |                                                                  |                                                         | CARRIER PER <i>D.L.L.</i>                                                                                                                                                                                                                                 |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| BY                                                                                                                                                                                                                                                                                                                      |                     |                    |                                                                  |                                                         | SHIPPER PER                                                                                                                                                                                                                                               |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| I HAVE CHECKED THE DOCUMENTS PERTAINING TO THIS SHIPMENT, AND HAVE<br>FURNISHED INSTRUCTIONS TO THE DRIVER FOR UNLOADING                                                                                                                                                                                                |                     |                    |                                                                  |                                                         | COVERED BY APPLICABLE TARIFFS                                                                                                                                                                                                                             |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |
| TIME                                                                                                                                                                                                                                                                                                                    |                     |                    |                                                                  |                                                         | DATE 5/27/97 SIGNED <i>[Signature]</i>                                                                                                                                                                                                                    |                         |  |      |                     |    |                              |          |  |  |  |                                                                  |  |

WRITE ON A HARD SURFACE - BEAR DOWN.

☒ 928 E. Hazelwood Ave.  
Rahway, N.J. 07065  
908-815-0220

**Allstate**  
**power-vac**  
INDUSTRIAL ENVIRONMENTAL SERVICES

☐ 10 Industrial Highway  
Building J. Mailstop 9  
Lester, PA 19113  
PA. 610-521-8923

BILL OF LADING

No. 25165

2 CARRIER'S  
COPY

|                                                                                                                         |                     |    |                                                                                                                                                                                                                                                            |         |                         |                          |
|-------------------------------------------------------------------------------------------------------------------------|---------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------|--------------------------|
| REPAID <input type="checkbox"/> 25 MELVILLE PARK ROAD SITE                                                              |                     |    | ORIGIN CITY & STATE<br>MELVILLE, NEW YORK                                                                                                                                                                                                                  |         | SHIPPER'S NO. IS ID #1. |                          |
| SHIPPER <u>CAMP DRESSER + MCKEE</u>                                                                                     |                     |    | TRACTOR <u>16</u>                                                                                                                                                                                                                                          | TRAILER | QUANTITY ORDERED        | DATE SHIPPED<br>05/27/97 |
| COLLECT <input type="checkbox"/> REPUBLIC ENV. RECYCLING                                                                |                     |    | DESTINATION CITY & STATE<br>CLAYTON, NJ 08312                                                                                                                                                                                                              |         | CUSTOMER'S NO.          |                          |
| CONSIGNEE CENCO BOULEVARD                                                                                               |                     |    | PO. WORK ORDER #<br>3NY0323                                                                                                                                                                                                                                |         | FLASH POINT             |                          |
| ALLSTATE POWER VAC, INC.                                                                                                |                     |    | PER CUSTOMER REQUIREMENTS                                                                                                                                                                                                                                  |         |                         |                          |
| COMP                                                                                                                    | LOADING<br>TEMP. F. | HM | TARIFF COMMODITY DESCRIPTION                                                                                                                                                                                                                               |         | QUANTITY                |                          |
|                                                                                                                         |                     |    | NON-HAZARDOUS LIQUIDS.<br>(Liquids from groundwater monitoring-<br>well installation/pump-out)<br>Non RCRA, Non DOT Regulated.                                                                                                                             |         | 29 Drums                |                          |
| LOADING TRACTOR <u>16</u>                                                                                               |                     |    | PUBLIC SCALES<br><input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD                                                                                                                                                                             |         |                         |                          |
| DATE <u>5/27</u> MILITARY TIME <u>1000</u>                                                                              |                     |    | CARRIERS<br>PUMP <input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD <input type="checkbox"/> S/S                                                                                                                                                |         |                         |                          |
| DATE <u>5/27</u> MILITARY TIME <u>0900</u>                                                                              |                     |    | COMPRESSOR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                                                                                                                                                                      |         |                         |                          |
| UNLOADING TRACTOR <u>16</u>                                                                                             |                     |    | VACUUM <input type="checkbox"/>                                                                                                                                                                                                                            |         |                         |                          |
| DATE <u>5/27</u> MILITARY TIME <u>1530</u>                                                                              |                     |    | BLOWER <input type="checkbox"/>                                                                                                                                                                                                                            |         |                         |                          |
| DATE <u>5/27</u> MILITARY TIME <u>1430</u>                                                                              |                     |    | CARRIER'S HOSE FEET                                                                                                                                                                                                                                        |         |                         |                          |
| FIRM <u>RCRT</u> BY <u>THS</u>                                                                                          |                     |    | <input type="checkbox"/> S/S CHEM SOLV<br>TEFLON VITON                                                                                                                                                                                                     |         |                         |                          |
| SHOW COMPLETE CONSIGNEE NAME AND SIGNATURE                                                                              |                     |    | <input type="checkbox"/> TANK CLEANED                                                                                                                                                                                                                      |         |                         |                          |
| I HAVE CHECKED THE DOCUMENTS PERTAINING TO THIS SHIPMENT AND HAVE<br>FURNISHED INSTRUCTIONS TO THE DRIVER FOR UNLOADING |                     |    | <input type="checkbox"/> DEADHEAD MILES                                                                                                                                                                                                                    |         |                         |                          |
| TIME DATE SIGNED                                                                                                        |                     |    | <input type="checkbox"/> SPOTTING DAYS                                                                                                                                                                                                                     |         |                         |                          |
| SHIPPER PER <u>Camp Dresser</u>                                                                                         |                     |    | This is to certify that the above-named materials<br>are properly classified, described, packaged,<br>marked and labeled, and are in proper condition<br>for transportation according to the applicable<br>regulations of the Department of Transportation |         |                         |                          |
| SHIPPER PER <u>[Signature]</u>                                                                                          |                     |    | CARRIER PER <u>[Signature]</u>                                                                                                                                                                                                                             |         |                         |                          |

## ALLSTATE POWERVAC, INC.

013032

6-4-97

## ROLL-OFF CONTAINER BILLING SUMMARY

TO: CAMP DRESSER McKEE  
100 CROSSWAYS PARK WEST  
WOODSBURY, NY 11797

DATE INV/SERVICE: 6-2-97  
CONTAINER NO: 16, T-60

S.P.O.#

APV JOB NO. 3N40323  
APV BILL OF LADING #

DROP DATE:

STOP RENT DATE:

|                                |                      | UNITS | RATE      | CHARGE     |
|--------------------------------|----------------------|-------|-----------|------------|
| CONTAINER RENTAL               |                      |       |           |            |
| DAILY                          | (PER CONTAINER)      |       |           |            |
| WEEKLY                         | (PER CONTAINER)      |       |           |            |
| MONTHLY                        | (PER CONTAINER)      |       |           |            |
| DROP CHARGE                    | (PER CONTAINER)      |       |           |            |
| ON SITE MOVES                  | (PER CONTAINER)      |       |           |            |
| DISPOSAL                       | (A) SOLIDS           | 73    | \$ 110.00 | \$ 8580.00 |
|                                | (B) LIQUIDS          | 29    | \$ 135.00 | \$ 3915.00 |
| CONTAINER LINER                | (PER CONTAINER)      |       |           |            |
| TRANSPORTATION                 | (A) SOLIDS           |       | \$ 650.00 | \$ 1000.00 |
|                                | (B) LIQUIDS          |       | \$ 350.00 |            |
| DEMURRAGE                      | (A) (\$65 /HR AFTER) | 1     | \$ 65.00  | \$ 65.00   |
|                                | (B) at each facility | 4     | \$ 65.00  | \$ 260.00  |
| FOMUW / LABOR                  |                      |       |           | N/C        |
| TOTAL AMOUNT DUE THIS INVOICE: |                      |       |           |            |

TOTAL : \$ 13,820.00

WRITE ON A HARD SURFACE - BEAR DOWN.

2 CARRIER'S  
COPY
☒ 928 E. Hazelwood Ave.  
Rahway, N.J. 07065  
908-815-0220

**Allstate**  
**power-vac**  
INDUSTRIAL ENVIRONMENTAL SERVICES

☐ 10 Industrial Highway  
Building J. Mailstop 9  
Lester, PA 19113  
PA. 610-521-8923

BILL OF LADING

No. 25166

|                                                                                                                      |                     |    |                                                                                                                                    |  |                |                                                                                                                                                                                                                                                                                                                                                                     |                           |  |
|----------------------------------------------------------------------------------------------------------------------|---------------------|----|------------------------------------------------------------------------------------------------------------------------------------|--|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--|
| PREPAID<br><input type="checkbox"/> 25 MELVILLE PARK ROAD SITE                                                       |                     |    | ORIGIN CITY & STATE<br>MELVILLE, NEW YORK                                                                                          |  |                | SHIPPER'S NO. (SIO #)                                                                                                                                                                                                                                                                                                                                               |                           |  |
| SHIPPER<br>COLLECT<br><input type="checkbox"/> REPUBLIC ENV. RECYCLING                                               |                     |    | TRACTOR<br>55                                                                                                                      |  | TRAILER<br>T60 |                                                                                                                                                                                                                                                                                                                                                                     | QUANTITY ORDERED          |  |
| CONSIGNEE<br>CENCO BOULEVARD                                                                                         |                     |    | DESTINATION CITY & STATE<br>CLAYTON, NJ 08312                                                                                      |  |                | DATE SHIPPED<br>05/27/97                                                                                                                                                                                                                                                                                                                                            |                           |  |
| ACCT OF<br>ALLSTATE POWER VAC, INC.                                                                                  |                     |    | PO/WORK ORDER #<br>3NY0323                                                                                                         |  | FLASH POINT    |                                                                                                                                                                                                                                                                                                                                                                     | PER CUSTOMER REQUIREMENTS |  |
| COMP                                                                                                                 | LOADING<br>TEMP. F. | HM | TARIFF COMMODITY DESCRIPTION                                                                                                       |  |                | PUBLIC SCALES                                                                                                                                                                                                                                                                                                                                                       |                           |  |
|                                                                                                                      |                     |    | NON-HAZARDOUS SOLIDS/SLUDGES.<br>(Drill cuttings from groundwater<br>monitoring well installation)<br>Non RCRA, Non DOT Regulated. |  |                | <input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD<br>CARRIERS LOAD UNLOAD SS<br>PUMP <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>COMPRESSOR <input type="checkbox"/> <input type="checkbox"/><br>VACUUM <input type="checkbox"/> <input type="checkbox"/><br>BLOWER <input type="checkbox"/> <input type="checkbox"/> |                           |  |
| LOADING TRACTOR                                                                                                      |                     |    | EXPLAIN EACH FUNCTION TO THE NEAREST 1/4 HOUR                                                                                      |  |                | CARRIERS HOSE FEET                                                                                                                                                                                                                                                                                                                                                  |                           |  |
| DATE                                                                                                                 | MILITARY TIME       |    | ON SITE TO Load Box TRUCK #16<br>AND T60 VAN                                                                                       |  |                | <input type="checkbox"/> S/S CHEM SOLV<br>TEFLON VITON                                                                                                                                                                                                                                                                                                              |                           |  |
| 5/27                                                                                                                 | 1300                |    |                                                                                                                                    |  |                | <input type="checkbox"/> TANK CLEANED                                                                                                                                                                                                                                                                                                                               |                           |  |
| 5/27                                                                                                                 | 0700                |    |                                                                                                                                    |  |                | <input type="checkbox"/> DEADHEAD MILES                                                                                                                                                                                                                                                                                                                             |                           |  |
| UNLOADING TRACTOR                                                                                                    |                     |    | AT Republic TO UNLOAD                                                                                                              |  |                | <input type="checkbox"/> SPOTTING DAYS                                                                                                                                                                                                                                                                                                                              |                           |  |
| DATE                                                                                                                 | MILITARY TIME       |    | FIRM <i>Civilis</i> BY <i>PERI</i>                                                                                                 |  |                | This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation                                                                                                                      |                           |  |
| 5/28                                                                                                                 | 9:00                |    | DELIVERY DATE 05/28/97                                                                                                             |  |                | CARRIER PER <i>Ray</i>                                                                                                                                                                                                                                                                                                                                              |                           |  |
| 5/28                                                                                                                 | 7:00                |    | SHIPPER PER <i>[Signature]</i>                                                                                                     |  |                |                                                                                                                                                                                                                                                                                                                                                                     |                           |  |
| I HAVE CHECKED THE DOCUMENTS PERTAINING TO THIS SHIPMENT AND HAVE FURNISHED INSTRUCTIONS TO THE DRIVER FOR UNLOADING |                     |    | TIME                                                                                                                               |  |                | DATE                                                                                                                                                                                                                                                                                                                                                                |                           |  |
| S                                                                                                                    |                     |    | DATE                                                                                                                               |  |                | SIGNED                                                                                                                                                                                                                                                                                                                                                              |                           |  |

WRITE ON A HARD SURFACE - BEAR DOWN.

2 CARRIER'S  
COPY
☐ 928 E. Hazelwood Ave.  
Rahway, N.J. 07065  
908-815-0220

**Allstate**  
**power-vac**  
INDUSTRIAL ENVIRONMENTAL SERVICES

☐ 10 Industrial Highway  
Building J. Mailstop 9  
Lester, PA 19113  
PA. 610-521-8923

BILL OF LADING

No. 22837

|                                                                                                                          |  |  |                                     |  |                                                                                                                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| ALLSTATE Power Vac<br>C.D.M.                                                                                             |  |  | ORIGIN CITY & STATE<br>Rahway, N.J. |  | SHIPPER'S NO. IS ID #1                                                                                                                                                                                                                                     |  |
| TRACTOR<br>R-41                                                                                                          |  |  | TRAILER                             |  | QUANTITY ORDERED                                                                                                                                                                                                                                           |  |
| DESTINATION CITY & STATE<br>Melville Long Island, N.Y.                                                                   |  |  | DATE SHIPPED<br>5-27-97             |  | CUSTOMER'S NO.                                                                                                                                                                                                                                             |  |
| PO/WORK ORDER #                                                                                                          |  |  | FLASH POINT                         |  | <b>PER CUSTOMER REQUIREMENTS</b>                                                                                                                                                                                                                           |  |
| TARIFF COMMODITY DESCRIPTION<br>Fork Lift<br>Load B-16 + T60 with Liquid + Solid<br>WASTE DRUMS.                         |  |  | QUANTITY                            |  | PUBLIC SCALES<br><input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD                                                                                                                                                                             |  |
| LOADING TRACTOR<br>R-41                                                                                                  |  |  | UNLOADING TRACTOR<br>R-41           |  | CARRIER'S HOSE FEET<br><input type="checkbox"/> S/S CHEM SOLV<br>TEFLON VITON                                                                                                                                                                              |  |
| DATE<br>5-27                                                                                                             |  |  | MILITARY TIME<br>0600               |  | <input type="checkbox"/> TANK CLEANED                                                                                                                                                                                                                      |  |
| UNLOADING TRACTOR<br>R-41                                                                                                |  |  | DATE<br>5-27                        |  | <input type="checkbox"/> DEADHEAD MILES                                                                                                                                                                                                                    |  |
| MILITARY TIME<br>0530                                                                                                    |  |  | DATE<br>5-27                        |  | <input type="checkbox"/> SPOTTING DAYS                                                                                                                                                                                                                     |  |
| MILITARY TIME<br>0730                                                                                                    |  |  | DATE<br>5-27                        |  | This is to certify that the above-named materials<br>are properly classified, described, packaged,<br>marked and labeled, and are in proper condition<br>for transportation according to the applicable<br>regulations of the Department of Transportation |  |
| FIRM                                                                                                                     |  |  | BY<br>11                            |  | CARRIER PER<br>[Signature]                                                                                                                                                                                                                                 |  |
| I HAVE CHECKED THE DOCUMENTS PERTAINING TO THIS SHIPMENT, AND HAVE<br>FURNISHED INSTRUCTIONS TO THE DRIVER FOR UNLOADING |  |  | DELIVERY DATE                       |  | SHIPPER PER                                                                                                                                                                                                                                                |  |
| TIME                                                                                                                     |  |  | DATE 5/27/97 SIGNED [Signature]     |  | GOVERNED BY APPLICABLE TARIFFS                                                                                                                                                                                                                             |  |

WRITE ON A HARD SURFACE - BEAR DOWN.

2 CARRIER'S  
COPY
☒ 928 E. Hazelwood Ave.  
Rahway, N.J. 07065  
908-815-0220

**Allstate**  
**power-vac**  
INDUSTRIAL ENVIRONMENTAL SERVICES

☐ 10 Industrial Highway  
Building J, Mailstop 9  
Lester, PA 19113  
PA. 610-521-8923

BILL OF LADING

No. 25165

|                                                                                                                                 |  |  |                                               |  |         |                                                                                                                                                                                                                                                                                                                                  |                  |  |
|---------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------|--|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|
| PREPAID<br><input type="checkbox"/> 25 MELVILLE PARK ROAD SITE                                                                  |  |  | ORIGIN CITY & STATE<br>MELVILLE, NEW YORK     |  |         | SHIPPER'S NO (S.D. #)                                                                                                                                                                                                                                                                                                            |                  |  |
| SHIPPER <i>CRMP DRESSER + MCKEE</i>                                                                                             |  |  | TRACTOR<br>16                                 |  | TRAILER |                                                                                                                                                                                                                                                                                                                                  | QUANTITY ORDERED |  |
| COLLECT<br><input type="checkbox"/> REPUBLIC ENV. RECYCLING                                                                     |  |  | DESTINATION CITY & STATE<br>CLAYTON, NJ 08312 |  |         | DATE SHIPPED<br>05/27/97                                                                                                                                                                                                                                                                                                         |                  |  |
| CONSIGNEE CENCO BOULEVARD                                                                                                       |  |  | CUSTOMER'S NO                                 |  |         |                                                                                                                                                                                                                                                                                                                                  |                  |  |
| ACCT OF<br>ALLSTATE POWER VAC, INC.                                                                                             |  |  | PO/WORK ORDER #<br>3NY0323                    |  |         | FLASH POINT                                                                                                                                                                                                                                                                                                                      |                  |  |
| COMP                                                                                                                            |  |  | LOADING TEMP. F°                              |  |         | HM                                                                                                                                                                                                                                                                                                                               |                  |  |
| TARIFF COMMODITY DESCRIPTION                                                                                                    |  |  | QUANTITY                                      |  |         | PER CUSTOMER REQUIREMENTS                                                                                                                                                                                                                                                                                                        |                  |  |
| NON-HAZARDOUS LIQUIDS.<br>(Liquids from groundwater monitoring -<br>well installation/pump-out)<br>Non RCRA, Non DOT Regulated. |  |  | 29 DROPS                                      |  |         | PUBLIC SCALES<br><input type="checkbox"/> LOAD <input type="checkbox"/> UNLOAD<br>CARRIERS LOAD UNLOAD S/S<br>PUMP <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>COMPRESSOR <input type="checkbox"/> <input type="checkbox"/><br>VACUUM BLOWER <input type="checkbox"/> <input type="checkbox"/> |                  |  |
| LOADING TRACTOR<br>16                                                                                                           |  |  | DATE<br>5/27                                  |  |         | MILITARY TIME<br>1000                                                                                                                                                                                                                                                                                                            |                  |  |
| UNLOADING TRACTOR<br>16                                                                                                         |  |  | DATE<br>5/27                                  |  |         | MILITARY TIME<br>0700                                                                                                                                                                                                                                                                                                            |                  |  |
| FIRM <i>ROEF</i>                                                                                                                |  |  | BY <i>THS</i>                                 |  |         | DELIVERY DATE<br>5/27/97                                                                                                                                                                                                                                                                                                         |                  |  |
| I HAVE CHECKED THE DOCUMENTS PERTAINING TO THIS SHIPMENT AND HAVE<br>FURNISHED INSTRUCTIONS TO THE DRIVER FOR UNLOADING         |  |  | TIME                                          |  |         | DATE                                                                                                                                                                                                                                                                                                                             |                  |  |
| SIGNED                                                                                                                          |  |  | CARRIER PER <i>Carel Olt</i>                  |  |         | SHIPPER PER <i>[Signature]</i>                                                                                                                                                                                                                                                                                                   |                  |  |