

APPENDIX E3

NASSAU COUNTY DEPARTMENT OF HEALTH FACILITY WASTE DISPOSAL REVIEW

Although all plant processing areas are hooked up to sanitary sewer system, the chemical storage area has floor drains which go to an oil separator and then to a dry well (septic) at the S.E. corner. The chemical waste storage ^{area} on the east would drain into the outside underground pipe system (storm drains) into the ^{two} lagoons on the S.W. side of the building. The loading dock is also connected to these lagoons through the same system. According it is planned to sample the dry well and the two lagoons - the lagoon also take roof run-off where all degreaser exhaust system may deposit. There is a third lagoon on the west side ~~with~~ which is most westerly. This takes only parking lot run off.

June 9, 1978

Sperry Division
Division of Sperry Rand
Marcus Avenue'
Great Neck, N. Y. 11020

Att: Mr. Stan Aranson

Dear Mr. Aranson:

Please be advised that the results of samples taken from the drainage cesspool at the ~~southwest~~ ^{southeast} corner of the plant show a very high potential of groundwater pollution from such organic chemicals as trichloroethane, trichloroethylene and tetrachloroethylene. These chemicals have already been detected in several drinking water wells in Nassau.

As we discussed at our meeting on June 8, 1978, the Department is currently undertaking a comprehensive program to abate these potential sources of groundwater pollution. Therefore, it is mandatory that you investigate this matter and advise us in writing within 14 days as to what steps you and your employees are taking to eliminate this type of discharge.

Thank you for your interest in a better environment.

Very truly yours,

MM:ceg:r

Michael Mangino
Chief, Abatement Section
Bureau of Wastewater Management

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

574 2314
C. (un) Garza

RESULTS OF EXAMINATION
(PAGE 1 OF 1)

ACCESSION NO: 00006 YR/MO/DAY/HR SAMPLE REC'D: 78/01/13/14

REPORTING LAB: 17 EHC ALBANY
PROGRAM: 710 TOXIC SUBST. UNIT
STATION (SOURCE) NO:
DRAINAGE BASIN: 17 NY GAZETTEER NO: 2951 COUNTY: NASSAU
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBWISHED: SPERRY GYROSCOPE CORP DIV SPERRY RAND

EXACT SAMPLING POINT: ^{DRY WELL} CESSPOOL, SOUTHEAST COR OF PLNT
TYPE OF SAMPLE: 34 IND, WASTE, UNCHLOR.
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 01/12/09
REPORT SENT TO: CO (1) RO (2) LPHE (1) LHO (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
023609 1,1,1-TRICHLOROETHANE	MCG/L	2000.	
036609 CARBON TETRACHLORIDE	MCG/L		NA
038909 BROMODICHLOROMETHANE	MCG/L		NA
039009 CHLOROFORM	MCG/L		NA
041109 TRICHLOROETHYLENE	MCG/L	40000.	
041209 TETRACHLOROETHYLENE	MCG/L	30000.	
023810 METHYLENE CHLORIDE	MCL/L		NA

DATE COMPLETED: 5/04/78

ASST. COMMR. FOR ENVIRONMENTAL HEALTH
NASSAU COUNTY HEALTH DEPT.
240 OLD COUNTRY ROAD
MINEOLA NEW YORK 11501

SUBMITTED BY: ROBINDEC

5000
110
-5500
330

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION

(PAGE 1 OF 1)

ACCESSION NO: 00005 YR/MO/DAY/HR SAMPLE REC'D: 78/01/13/14

REPORTING LAB: 17 EHC ALBANY

PROGRAM: 710 TOXIC SUBST. UNIT

STATION (SOURCE) NO:

DRAINAGE BASIN: 17 NY GAZETTEER NO: 2951 COUNTY: NASSAU

COORDINATES: DEG ' "N, DEG ' "W

COMMON NAME INCL SUBM'ISHED: SPERRY GYROSCOPE CORP DIV SPERRY RAND

EXACT SAMPLING POINT: RECHARGE BASIN SOUTHWEST COR EAST BASIN

TYPE OF SAMPLE: 34 IND. WASTE, UNCHLOR.

MO/DAY/HR OF SAMPLING: FROM 00/00 TO 01/12/09

REPORT SENT TO: CO (1) RO (2) LPHE (1) LHO (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
023609 1,1,1-TRICHLOROETHANE	MCG/L	5.	LT
036609 CARBON TETRACHLORIDE	MCG/L	5.	LT
038909 BROMODICHLOROMETHANE	MCG/L	5.	LT
039009 CHLOROFORM	MCG/L	5.	LT
041109 TRICHLOROETHYLENE	MCG/L	10.	
041209 TETRACHLOROETHYLENE	MCG/L	4.	
023810 METHYLENE CHLORIDE	MCL/L		NA

DATE COMPLETED: 5/04/78

ASST. COMMR. FOR ENVIRONMENTAL HEALTH
NASSAU COUNTY HEALTH DEPT.
240 OLD COUNTRY ROAD
MINEOLA NEW YORK 11501

SUBMITTED BY: ROBINDEC

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION

(PAGE 1 OF 2)

AB ACCESSION NO: 00007 YR/MO/DAY/HR SAMPLE REC'D: 78/01/13/14

REPORTING LAB: 17 EHC ALBANY

PROGRAM: 710 TOXIC SUBST, UNIT

STATION (SOURCE) NO:

DRAINAGE BASIN: 17 NY GAZETTEER NO: 2951 COUNTY: NASSAU

COORDINATES: DEG 1 "N, DEG 1 "W

COMMON NAME INCL SUBMITTED: SPERRY GYROSCOPE CORP DIV SPERRY RAND

EXACT SAMPLING POINT: DRAINAGE BASIN SOUTHWEST COR MIDDLE BASIN

TYPE OF SAMPLE: 34 IND, WASTE, UNCHLOR.

MO/DAY/HR OF SAMPLING: FROM 00/00 TO 01/00/09

REPORT SENT TO: CO (1) RD (2) LPHE (1) LHD (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
023609 1,1,1-TRICHLOROETHANE	MCG/L	5.	LT
036609 CARBON TETRACHLORIDE	MCG/L	5.	LT
038909 BROMODICHLOROMETHANE	MCG/L	5.	LT
039009 CHLOROFORM	MCG/L	5.	LT
041109 TRICHLOROETHYLENE	MCG/L	18.	
041209 TETRACHLOROETHYLENE	MCG/L	7.	
023810 METHYLENE CHLORIDE	MCL/L		NA

DATE COMPLETED: 5/04/78

ASST. COMM. FOR ENVIRONMENTAL HEALTH
NASSAU COUNTY HEALTH DEPT.
240 OLD COUNTRY ROAD
MINEOLA NEW YORK 11501

SUBMITTED BY: ROBINDEC



DIVISION HEADQUARTERS
GREAT NECK, NEW YORK 11020

SUBJECT: Organic Chemicals Disposal

June 19, 1978

Nassau County Dept. of Health
Bureau of Wastewater Management
240 Old Country Road
Mineola, N. Y. 11501

ATTENTION: Mr. Micheel Mangino
Chief, Abatement Section

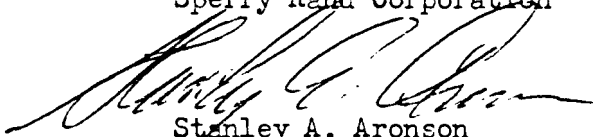
Gentlemen:

As discussed in our meeting of June 8, 1978,
attached find letter that I have forwarded to our supervisor
responsible for the storage and dispersal of organic chemicals.
I believe that this will comply with your request of June 9, 1978.

In addition, we will periodically monitor as
necessary to insure that no further organic chemicals are
disposed of thru the drainage cesspool.

Very truly yours,

SPERRY DIVISION
Sperry Rand Corporation



Stanley A. Aronson
Facilities Manager

SAA:gd
Attachment

Mr. E. Jerabek

c.c. Mr. A. Ficocella

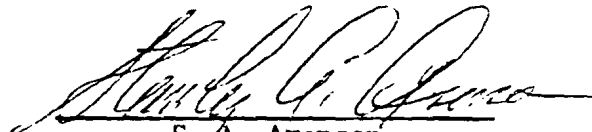
S. A. Aronson, 1P10, Ext. 2314

June 19, 1978

Disposal of Organic Chemicals

As previously discussed, attached find copy of letter from Nassau County Dept. of Health regarding disposal of organic chemicals within the Oil Storage Room. It is again requested that no liquids be poured into the floor drains that exist within the "oil storage room" as such floor drains lead to the drainage cesspool mentioned in the attached letter.

It is further requested that a properly marked 55 gal. drum be provided for disposal of such liquids. When this drum is filled, Mr. Al Ficocella will remove it for proper disposal thru an approved waste chemical company.


S. A. Aronson
Facilities Manager

SAA:gd
Attachment



NASSAU COUNTY DEPARTMENT OF HEALTH

240 OLD COUNTRY ROAD
MINEOLA, N.Y. 11501

FRANCIS T. PURCELL
County Executive

JOHN J. DOWLING, M.D., M.P.H.
Commissioner

FRANCIS V. PADAR, P.E.
Asst. Deputy Commissioner
Div. of Environmental Quality

November 30, 1978

Sperry Rand Corporation
Sperry Division
Marcus Avenue
Great Neck, N. Y. 11202

Dear Mr. Aronson:

Attn: Mr. Stanley A. Aronson,
Facilities Mgr.
Ref: Drainage Cesspool
SPDES Permit Application
#0140449

Sperry's intent to maintain control and proper disposal of its chemical wastes as indicated in your letter of June 19, 1978 are well appreciated and should continue to be implemented. However, the restriction in use of a second drinking water well in the Lake Success area near Sperry further emphasizes the need for precautionary measures to prevent contamination of the groundwater, even by accidental spills. Since your drainage cesspool is recognized to exist primarily as a catch basin for accidental spills, a further precaution is considered necessary to completely minimize the consequences of such spills. The only way to do this is to prevent a spill from reaching the ground. For example, it can be accomplished by lining the pool with an impermeable liner or by replacing it with an impervious underground tank.

Please discuss this requirement with your management and indicate to us as soon as possible what your plans are to make the cesspool in question a containment vessel which will not result in contamination to the ground.

Very truly yours,

A handwritten signature in dark ink, appearing to read "L. Sama".

L. Sama
Public Health Engineer I
Bureau of Wastewater Management

LS/lhg r



DIVISION HEADQUARTERS
GREAT NECK, NEW YORK 11020

December 8, 1978

Mr. L. Sama, Public Health Engineer
Bureau of Wastewater Management
Nassau County Dept. of Health
240 Old Country Road
Mineola, New York 11501

SUBJECT: Drainage Cesspool
SPDES Permit Application
#0140449

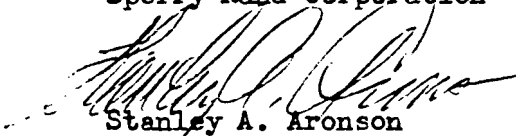
Dear Mr. Sama:

In reply to your letter of November 30, 1978 regarding the above subject, please be advised that we had already plugged the line leading to the cesspool, thereby preventing any discharge. We had also pumped out the residual effluent in the cesspool.

It is our intent, as per your suggestion, to investigate lining the pool to prevent runoff. In the meantime, however, we will leave the line plugged.

Very truly yours,

SPERRY DIVISION
Sperry Rand Corporation



Stanley A. Aronson
Facilities Manager

SAA:gd

ENVIRONMENTAL
HEALTH

Continuation Sheet

ssau County Health Department

Owner or
Agent :

Address:

MARCUS AVE GREAT NECK

Inspector

TONY NEGLIA 574 2314
← KIERAN HOAN

SPERRY GYROSCOPE

DATE

COMMENTS

Meeting was requested by Mr. S. Aronson of Sperry.
Purpose was to discuss reporting requirements under
S&R permit and to inform us of developments
related to permit. Has many more chemicals than
reported on original survey; is putting in S&R
semi annual report. Also had questions regarding
ultimate disposal site. Indicated G&K waste
oil was somewhat guarded in answering site
question. Took 24 hrs for G&K to indicate dispose
of wastes through fuel oil companies, concrete firms
for parking compound use, and for dust control.
Told Mr. Aronson would be advisable to watch
scavengers - he had alternate, All County and City

516-931-4455 Sewer & Sepsol Services who claim to have disposal
site in East Rockaway (NYC). Promised list of scavengers.
Sperry also has certain amount of disposal of
chemicals or losses to the sinks and then to sewer.
Told them DPA would be concerned. They have special
permit and claim not exceeding limits of permit.
We discussed these points at length.

Also discussed emergency cesspool situation.
They have closed off the line to this cesspool until
they can figure out how to line cesspool
to prevent groundwater discharges. Meanwhile
cesspool has been pumped but there is some sludge at
bottom

LS 1/18/79

ENVIRONMENTAL
HEALTH

Continuation Sheet

ssau County Health Department

Owner or

Agent : Sperry

Address:

Marion Ave, Great Neck

Inspector

DATE

COMMENTS

3/8/79 As part of compliance inspection met with Mr S. Aronson and Bob Maglia. Inspected four of the areas where solvents were used and waste solvents generated. (1) This included the surface finishing area where water based cleaning solutions were used and a solvent vapor degreaser was used. When fully depleted the water bath chemicals are pumped out directly to a Haverger tank truck. (2)(3) Small parts processing and assembly and (4) a machine shop had small spray booths where parts were spray painted and the waste solvents drained into a drum below the booth floor. All operations appear to be very clean with good house keeping and storage.

Also inspected the fresh and used solvent storage areas. The emergency drain from the storage area had been plugged so that no accidental spills would end up in the cess pool.

JS 3/12/79

THOMAS S. GULOTTA
COUNTY EXECUTIVE



LUDWIG C. HASL, P.E.
COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
MINEOLA, NEW YORK 11501

November 6, 1989

Mr. Kevin D. Krueger
Manager Environmental Planning
Corporate Environmental Affairs
Unisys Corporation
3199 Pilot Knob Road
MS F3B05
Eagan, MN 55121

Re: Unisys/Lake Success Groundwater
Contingency Investigation

Dear Mr. Krueger:

Please refer to your October 6, 1989 letter wherein you transmitted summary data of water level elevations and chemical analytical results generated from the above referenced project. In addition, you requested any information generated by the County with respect to our groundwater investigation in the Lake Success area.

First, I would like to thank you for the data summaries which we have used to generate groundwater flow and contamination contour maps, copies will be provided to you once our maps are complete. Since our last meeting in January 1989 where we discussed Geraghty & Miller's scope of work for Unisys' groundwater investigation, the County has only reviewed data generated by your recent investigation in relation to our previous information and developed the above referenced groundwater flow and contamination contour maps.

From our analysis of past and current data generated by County and Unisys investigations, it would appear that the Lake Success groundwater contamination identified in monitoring wells off the Unisys site are the result of activities that historically occurred on the Unisys property. It is the County's position that Unisys expand their groundwater investigations in order to delineate the impacted area outside the Unisys property and to begin planning for the selection of appropriate remedial measures. In addition, I strongly recommend that Unisys begin discussions with the

Mr. Kevin D. Krueger

Unisys Corporation

November 6, 1989

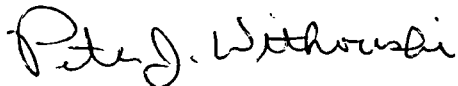
Page 2

Re: Unisys/Lake Success Groundwater
Contingency Investigation

New York State Department of Environmental Conservation, the State agency responsible for groundwater investigations and remediations, on any future investigations such that you are in compliance with all required State procedures and regulations.

I look forward to hearing from you in regard to your plans for future investigations and any planned remedial activities. If you have any questions, please contact me at (516)997-8282.

Very truly yours,



Peter J. Witkowski

Director of Hazardous Waste Services

PJW/mg

cc: Steven A. Fangmann, Deputy Commissioner
Stanley Juczak, NCHD

APPENDIX F

PERMITS

**N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH**

C NO: 1-X-0664
RUN DATE: 08/21/89

C 282219 2998 00048 W I
LOCATION FAC EP

**CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION**

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS PC/CO EXPIRED DATE OF LAST CHANGE 07/20/88 PRIOR CO ISSUE DATE 08/16/88 PRIOR CO EXPIRATION DATE 08/15/89
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FACILITY EMIS-CLASS / PGH-CODE: A2

POINT EMIS-CLASS / PGH-CODE:

EMISSION POINT 00048	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 34 FT.	(43)EXIT VELOCITY: 22.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 2080.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 17 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	

UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1306	PAINT SPRAYING (OTHE
	(59)BLDG: EAST MANUFACTURE	(60)FLOOR NAME: GROUND FLOOR	(61)RULE 1: 205.00	(62)RULE 2: 212.00	

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. PAINT BOOTH IN MODEL SHOP USED FOR
2. SPRAYING SMALL MODEL PARTS

CONTROL EQUIPMENT	(73)TYPE: 004 BAFFLE CHAMBER	(74)MFG: DEVILBISS 4X4 BENCH TYPE WITH BAFFLES	(75)ID: 48	(76)DATE INSTALLED: 06/77
	(77)DISPOSAL METHOD: 02 LANDFILL - OFFSITE	(78)USEFUL LIFE: 20 YEARS		

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOM DET	PERMISSIBLE			ACTUAL	10X	PERMISSIBLE
TOLUENE	(085) 00108-88-3	(086) C	(087) .010	(088) 01	(089) 06	(090) .010	(091)	(092) .010	(093) 20.000	(094) 0	(095) 20.000
PARTICULATES	(096) NY075-00-0	(097) D	(098) .002	(099) 01	(100) 06	(101) .002	(102) 20.0	(103) .002	(104) 4.000	(105) 0	(106) 4.000

SPECIAL CONDITIONS (151)CONDITION 1. AAL COMPLIANCE

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTH TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY (20)DATE / / 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE / / (21)INSPECTION STATUS 5 (22)DATE OF NEXT ACTION / / (23)ISSUE DATE / / (24)EXPIRATION DATE / / (25)CO FEE
---	--	---

IRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

[Signature]

12/7/90

Bruce B. Smith, P.E.

11/29/90

82219 2998 00048 W I

LOCATION FAC EP

**CERTIFICATE TO OPERATE AN CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION**

OWNER		FACILITY		(11) CONFIDENTIAL STATUS NON FIDNTL	
1) UNISYS CORPORATION		(6) UNISYS CORPORATION		(12) APPLICATION STATUS IN COMPLIANCE	
(2) MARCUS AVE, M/S I.P.10		(7) MARCUS AVE, M/S I.P.10		DATE OF LAST CHANGE 07/12/90	
(3) GREAT NECK (4) NY		(8) GREAT NECK (9) 11020		PRIOR CO ISSUE DATE 08/16/89	
(5) 11020		(10) REP: JP SLATTERY JR 574-4949		PRIOR CO EXPIRATION DATE 08/15/90	

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00048	(41) MTH-E: 609.3 KM.	(42) STACK HEIGHT: 34 FT.	(43) EXIT VELOCITY: 22.00 FT/SEC	(44) SIC: 3811	(45) AGENCY-CODE-1: C (COUNTY)
	(46) MTH-N: 512.4 KM.	(47) HT ABV STRUC: 6 FT.	(48) EXIT FLOW: 2080.00 ACFM	(49) CO FEE: \$50.00	(50) AGENCY-CODE-2: C (COUNTY)
	(51) GRND ELEV: 127 FT.	(52) STK DIAM: 17 IN.	(53) EXIT TEMP: 70 DEGR F	(54) CO CONDITIONS: 1 3	

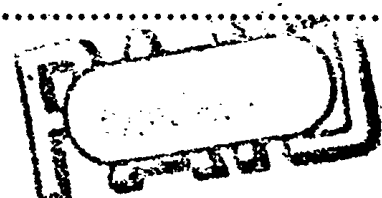
UNIT I	(55) HOURS/DAY: 8.0	(56) DAYS/YEAR: 250	(57) % OP BY SEASON: 25 25 25 25	(58) SOURCE CODE: 1306	PAINT SPRAYING (OTHE
	(59) BLDG: EAST MANUFACTURE	(60) FLOOR NAME: GROUND FLOOR	(61) RULE 1: 205.00	(62) RULE 2: 212.00	

PROCESS/UNIT (72) DESCRIPTION 1. PAINT BOOTH IN MODEL SHOP USED FOR
DESCRIPTION 2. SPRAYING SMALL MODEL PARTS

CONTROL EQUIPMENT	(73) TYPE: 004 BAFFLE CHAMBER	(74) MFG: DEVILBISS 4X4 BENCH TYPE WITH BAFFLES	(75) ID: 48	(76) DATE INSTALLED: 06/77
	(77) DISPOSAL METHOD: 02 LANDFILL - OFFSITE	(78) USEFUL LIFE: 20 YEARS		

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10*	PERMISSIBLE
TOLUENE	(085) 00108-88-3	(086) C	(087) .010	(088) 01	(089) 06	(090) .010	(091)	(092) .010	(093) 20.000	(094) 0	(095) 20.000
PARTICULATES	(096) NY075-00-0	(097) D	(098) .002	(099) 01	(100) 06	(101) .002	(102) 20.0	(103) .002	(104) 4.000	(105) 0	(106) 4.000

SPECIAL (151) CONDITION 1. AAL COMPLIANCE
CONDITIONS



(15) PRIOR COMMENTS (16) BY 850ST	(17) DATE 06/13/88	(18) CURRENT COMMENTS (19) BY	(20) DATE / /	(27) LAST INSPECTION DATE / /
1. 10:30AM WELDING BOOTH TO BE FILED FOR		1. _____		(21) INSPECTION STATUS
2. _____		2. _____		(22) DATE OF NEXT ACTION / /
3. _____		3. _____		(23) ISSUE DATE 08/16/91
4. _____		4. _____		(24) EXPIRATION DATE 08/15/91
5. _____		5. _____		(25) CO FEE \$50

FORM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

D I 2.2

12/7/90

D. B. Smith, P.E.

11/29/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

: NO: 1-C-0021
RUN DATE: 08/20/90

C 282219 2998 00048 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 08/15/90 PRIOR CO ISSUE DATE PRIOR CO EXPIRATION DATE
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PAGE 2
CONTINUED FROM PREVIOUS PAGE

AIR CONTAMINANTS		CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
				ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
CONTINUATION FORM K												
TURPENTINE	(085)	08006-64-2	(086) C	(087) .001	(088) 01	(089) 06	(090) .001	(091)	(092) .001	(093) .900	(094) 0	(095) .90
PROPANOL	(096)	00071-23-8	(097) C	(098) .001	(099) 01	(100) 06	(101) .001	(102)	(103) .001	(104) .840	(105) 0	(106) .84
MISCELLANEOUS ORG	(107)	NY990-00-0	(108) C	(109) .001	(110) 01	(111) 06	(112) .001	(113)	(114) .001	(115) .820	(116) 0	(117) .82
PARTICULATES	(118)	NY075-00-0	(119) D	(120) .002	(121) 01	(122) 06	(123) .002	(124) 90.0	(125) .002	(126) 4.000	(127) 0	(128) 4.00

.....
 SPECIAL (15) CONDITION 1. AGI COMPLIANCE REQUIRED
 CONDITIONS 2. SHOULD THIS EMISSION POINT BE RE-CLASSIFIED AS
 3. NON-EXEMPT FROM PART 228, PART 228
 4. VOC-COMPLIANCE SHALL BE REQUIRED

(15) PRIOR COMMENTS (16) BY 850ST (17) DATE 06/13/88 1. 10:30AM WELDING BOOTH TO BE FILED FOR 2. 3. 4. 5.	(18) CURRENT COMMENTS (19) BY _____ (20) DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27) LAST INSPECTION DATE ____/____/____ (21) INSPECTION STATUS 5 (22) DATE OF NEXT ACTION ____/____/____ (23) ISSUE DATE 08/16/90 (24) EXPIRATION DATE 08/15/91 (25) CO FEE \$50.00
--	--	---

FIRM REP'S SIGNATURE:

[Signature]

DATE:

12/1/90

ISSUING OFFICER'S SIGNATURE:

[Signature] P.E.

DATE:

11/20/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEC NO: 1-R-0102

RUN DATE: 05/07/90

C 282219 2998 00009 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER		FACILITY		(11) CONFIDENTIAL STATUS	NON-CONFIDNTL
(1) UNISYS CORPORATION		(6) UNISYS CORPORATION		(12) APPLICATION STATUS	IN COMPLIANCE
(2) MARCUS AVE, M/S I.P.10		(7) MARCUS AVE, M/S I.P.10		DATE OF LAST CHANGE	12/06/89
(3) GREAT NECK (4) NY		(8) GREAT NECK (9) 11020		PRIOR CO ISSUE DATE	08/16/89
(5) 11020		(10) REP: JP SLATTERY JR 574-4949		PRIOR CO EXPIRATION DATE	08/15/90

FACILITY EMIS-CLASS / PGH-CODE: A2

POINT EMIS-CLASS / PGH-CODE:

EMISSION POINT	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 34 FT.	(43)EXIT VELOCITY: 27.50 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 900.00 ACFM	(49)CO FEE: \$100.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 10 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1	

UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1203	DEGREASING AND CLEAN
	(59)BLDG: WEST MFG	(60)FLOOR NAME: GROUND LEVEL I-7	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. SPRAY BOOTH
2. CLEANING SMALL PARTS WITH TRICHLOROTRIFLUOROETHANE

CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: ILG CENTRIFUGAL B-15	(75)ID: 09	(76)DATE INSTALLED: 05/72
		(77)DISPOSAL METHOD:	(78)USEFUL LIFE: 15 YEARS	

CONTROL EQUIPMENT	(79)TYPE: 098 OTHER	(80)MFG: UNKNOWN	(81)ID: 10	(82)DATE INSTALLED: 05/72
		(83)DISPOSAL METHOD:	(84)USEFUL LIFE: 15 YEARS	

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
METHYL CHLOROFORM	(085) 00071-55-6	(086) C	(087) .360	(088) 01	(089) 06	(090) .360	(091)	(092) .360	(093) 720.000	(094) 0	(095) 720.000

SPECIAL CONDITIONS (151)CONDITION 1. AG1 COMPLIANCE

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88	(18)CURRENT COMMENTS (19)BY (20)DATE / /	(27)LAST INSPECTION DATE / /
1. 10:30AM WELDING BOOTH TO BE FILED FOR	1. _____	(21)INSPECTION STATUS 5
2. _____	2. _____	(22)DATE OF NEXT ACTION / /
3. _____	3. _____	(23)ISSUE DATE 08/16/90
4. _____	4. _____	(24)EXPIRATION DATE 08/15/91
5. _____	5. _____	(25)CO FEE \$ 100

FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

[Signature]

12/7/90

Bruce B. Smith, P.E.

11/29/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0104

RUN DATE: 05/07/90

C 282219 2998 00011 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020			FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949			(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90																																	
FACILITY EMIS-CLASS / PGH-CODE: A2 POINT EMIS-CLASS / PGH-CODE:																																							
EMISSION POINT 00011 (41)UTH-E: 609.3 KM. (46)UTH-N: 512.4 KM. (51)GRND ELEV: 127 FT.			(42)STACK HEIGHT: 34 FT. (47)HT ABV STRUC: 6 FT. (52)STK DIAM: 9 IN.			(43)EXIT VELOCITY: 16.60 FT/SEC (48)EXIT FLOW: 440.00 ACFM (53)EXIT TEMP: 70 DEGR F																																	
UNIT I (55)HOURS/DAY: 8.0 (59)BLOG: WEST MFG			(56)DAYS/YEAR: 250 (60)FLOOR NAME: GROUND LEVEL I-7			(44)SIC: 3811 (49)CO FEE: \$50.00 (58)SOURCE CODE: A1306 (61)RULE 1: 212.00																																	
PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. SPRAY BOOTH 2. TOUCH-UP SPRAY PAINTING			(54)CO CONDITIONS: 1 (62)RULE 2:			PAINT SPRAYING (OTHE (62)RULE 2:																																	
CONTROL EQUIPMENT (73)TYPE: 001 FAN			(74)MFG: MING PROPELLER (77)DISPOSAL METHOD:			(75)ID: 11 (76)DATE INSTALLED: 02/72 (78)USEFUL LIFE: 15 YEARS																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">AIR CONTAMINANTS</th> <th rowspan="2">CAS NUMBER</th> <th rowspan="2">ENV RATING</th> <th colspan="4">E M I S S I O N S</th> <th rowspan="2">% CONTROL EFFICIENCY</th> <th rowspan="2">HRLY ACTUAL LBS/HOUR</th> <th colspan="3">ANNUAL EMISSIONS (LBS/YEAR)</th> </tr> <tr> <th>ACTUAL</th> <th>UNIT</th> <th>HOM DET</th> <th>PERMISSIBLE</th> <th>ACTUAL</th> <th>10x</th> <th>PERMISSIBLE</th> </tr> </thead> <tbody> <tr> <td>METHYL CHLOROFORM</td> <td>(1085) 00071-55-6</td> <td>(1086) C</td> <td>(1087) .360</td> <td>(1088) 01</td> <td>(1089) 06</td> <td>(1090) .360</td> <td>(1091)</td> <td>(1092) .360</td> <td>(1093) 720.000</td> <td>(1094) 0</td> <td>(1095) 720.000</td> </tr> </tbody> </table>									AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)			ACTUAL	UNIT	HOM DET	PERMISSIBLE	ACTUAL	10x	PERMISSIBLE	METHYL CHLOROFORM	(1085) 00071-55-6	(1086) C	(1087) .360	(1088) 01	(1089) 06	(1090) .360	(1091)	(1092) .360	(1093) 720.000	(1094) 0	(1095) 720.000
AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR				ANNUAL EMISSIONS (LBS/YEAR)																											
			ACTUAL	UNIT	HOM DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE																												
METHYL CHLOROFORM	(1085) 00071-55-6	(1086) C	(1087) .360	(1088) 01	(1089) 06	(1090) .360	(1091)	(1092) .360	(1093) 720.000	(1094) 0	(1095) 720.000																												
SPECIAL CONDITIONS (151)CONDITION 1. AG1 COMPLIANCE																																							
(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.			(18)CURRENT COMMENTS (19)BY (20)DATE / / 1. 2. 3. 4. 5.			(27)LAST INSPECTION DATE / / (21)INSPECTION STATUS 5 (22)DATE OF NEXT ACTION / / (23)ISSUE DATE 08/16/90 (24)EXPIRATION DATE 08/15/91 (25)CO FEE \$50																																	

FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

[Signature]

12/7/90

[Signature] P.E.

11/21/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SERIAL NO: 1-R-0106

RUN DATE: 05/07/90

C 282219 2998 00017 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90
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EMISSION POINT 00017 (41)UTH-E: 609.3 KM. (46)UTH-N: 512.4 KM. (51)GRND ELEV: 127 FT.	FACILITY EMIS-CLASS / PGM-CODE: A2 (42)STACK HEIGHT: 34 FT. (47)HT ABV STRUC: 6 FT. (52)STK DIAM: 14 IN.	POINT EMIS-CLASS / PGM-CODE: (43)EXIT VELOCITY: 28.30 FT/SEC (48)EXIT FLOW: 1830.00 ACFM (53)EXIT TEMP: 70 DEGR F	(44)SIC: 3811 (49)CO FEE: \$50.00 (54)CO CONDITIONS:	(45)AGENCY-CODE-1: C (COUNTY) (50)AGENCY-CODE-2: C (COUNTY)
UNIT I (55)HOURS/DAY: 15.0 (59)BLDG: EAST MFG	(56)DAYS/YEAR: 50 (60)FLOOR NAME: GROUND LEVEL D-12	(57)% OP BY SEASON: 25 25 25 25 (61)RULE 1: 212.00	(58)SOURCE CODE: A1103 (62)RULE 2:	SANDING OR GRINDING

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. BUFFER & BELT GRINDER ALUMINUM	CONTROL EQUIPMENT (73)TYPE: 005 CYCLONE (74)MFG: AMERICAN AIR FILTER ROTOCONE D10 (77)DISPOSAL METHOD: 09 OTHER	(75)ID: 17 (76)DATE INSTALLED: 07/72 (78)USEFUL LIFE: 15 YEARS	CONTROL EQUIPMENT (79)TYPE: 002 SETTLING CHAMBER (80)MFG: UNKNOWN (83)DISPOSAL METHOD:	(81)ID: 18 (82)DATE INSTALLED: 07/72 (84)USEFUL LIFE: 15 YEARS
--	---	--	--	--

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
ALUMINUM	(085) 07429-90-5	(086) C	(087) .300	(088) 15	(089) 06	(090) .300	(091) 90.0	(092) .300	(093) 225.000	(094) 0	(095) 225.000

SPECIAL CONDITIONS (15)CONDITION 1. AGI COMPLIANCE

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE ____/____/____ (21)INSPECTION STATUS <u>5</u> (22)DATE OF NEXT ACTION ____/____/____ (23)ISSUE DATE <u>08/16/90</u> (24)EXPIRATION DATE <u>08/15/91</u> (25)CO FEE <u>\$50</u>
--	---	--

ARM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0107
RUN DATE: 05/07/90

AUG 00 1990

C 282219 2998 00018 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90
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FACILITY EMIS-CLASS / PGH-CODE: A2 (41)UTH-E: 609.3 KM. (42)STACK HEIGHT: 34 FT. (46)UTH-N: 512.4 KM. (47)HT ABV STRUC: 6 FT. (51)GRND ELEV: 127 FT. (52)STK DIAM: 6 IN.	POINT EMIS-CLASS / PGH-CODE: (43)EXIT VELOCITY: 66.60 FT/SEC (44)SIC: 3811 (48)EXIT FLOW: 825.00 ACFM (49)CO FEE: \$50.00 (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS:	(45)AGENCY-CODE-1: C (COUNTY) (50)AGENCY-CODE-2: C (COUNTY) (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (59)BLDG: EAST MFG (60)FLOOR NAME: GROUND LEVEL D-12
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PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. PIN ROUTER FOR ALUMINUM PLATES	(73)TYPE: 005 CYCLONE (74)MFG: TORRIT #18 (77)DISPOSAL METHOD: 09 OTHER	(75)ID: 19 (76)DATE INSTALLED: 05/70 (78)USEFUL LIFE: 15 YEARS
CONTROL EQUIPMENT (79)TYPE: 002 SETTLING CHAMBER	(80)MFG: UNKNOWN (81)ID: 20 (83)DISPOSAL METHOD:	(82)DATE INSTALLED: 05/70 (84)USEFUL LIFE: 15 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10*	PERMISSIBLE
ALUMINUM	(085) 07429-90-5	(086) C	(087) .300	(088) 01	(089) 06	(090) .300	(091) 90.0	(092) .300	(093) 600.000	(094) 0	(095) 600.000

SPECIAL CONDITIONS (15)CONDITION 1. AG1 COMPLIANCE

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY (20)DATE / / 1. 2. 3. 4. 5.	(27)LAST INSPECTION DATE / / (21)INSPECTION STATUS 5 (22)DATE OF NEXT ACTION / / (23)ISSUE DATE 08/16/90 (24)EXPIRATION DATE 08/15/91 (25)CO FEE \$50
--	--	--

UNIT REP'S SIGNATURE:

[Signature]

DATE:

07/1/90

ISSUING OFFICER'S SIGNATURE:

[Signature] P.E. VDA

DATE:

11/29/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0108

RUN DATE: 05/07/90

C 282219 2998 00020 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020		FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949		(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90	
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FACILITY EMIS-CLASS / PGM-CODE: A2		POINT EMIS-CLASS / PGM-CODE:	
EMISSION POINT (41)UTH-E: 609.3 KM. (46)UTH-N: 512.4 KM. (51)GRND ELEV: 127 FT.	(42)STACK HEIGHT: 34 FT. (47)HT ABV STRUC: 6 FT. (52)STK DIAM: 12 IN.	(43)EXIT VELOCITY: 15.70 FT/SEC (48)EXIT FLOW: 825.00 ACFM (53)EXIT TEMP: 70 DEGR F	(44)SIC: 3811 (49)CO FEE: \$50.00 (54)CO CONDITIONS:

UNIT I (55)HOURS/DAY: 8.0 (59)BLDG: EAST MFG	(56)DAYS/YEAR: 250 (60)FLOOR NAME: GROUND LEVEL F-11	(57)% OP BY SEASON: 25 25 25 25 (61)RULE 1: 212.00	(58)SOURCE CODE: A1101 MACHINING (TURNING,C (62)RULE 2:
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PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. CATSKILL CUT OFF SAW 2. CUTTING METAL STOCK	CONTROL EQUIPMENT (73)TYPE: 006 CENTRIFUGAL (DRY) (74)MFG: TORRIT #20 (77)DISPOSAL METHOD:	(75)ID: 21 (76)DATE INSTALLED: 08/70 (78)USEFUL LIFE: 15 YEARS
CONTROL EQUIPMENT (79)TYPE: 002 SETTLING CHAMBER (80)MFG: UNKNOWN (83)DISPOSAL METHOD:	(81)ID: 22 (82)DATE INSTALLED: 08/70 (84)USEFUL LIFE: 15 YEARS	

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
ALUMINUM	(085) 07429-90-5	(086) C	(087) .300	(088) 01	(089) 06	(090) .300	(091) 90.0	(092) .300	(093) 600.000	(094) 0	(095) 600.000

SPECIAL (15)CONDITION 1. AGI COMPLIANCE CONDITIONS

FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88
 1. 10:30AM WELDING BOOTHS TO BE FILED FOR
 2.
 3.
 4.
 5.

(18)CURRENT COMMENTS (19)BY (20)DATE / /
 1.
 2.
 3.
 4.
 5.

(27)LAST INSPECTION DATE / /
 (21)INSPECTION STATUS 5
 (22)DATE OF NEXT ACTION / /
 (23)ISSUE DATE 08/16/90
 (24)EXPIRATION DATE 08/15/91
 (25)CO FEE \$50

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0109
RUN DATE: 05/07/90

C 282219 2998 00021 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER		FACILITY		(11) CONFIDENTIAL STATUS	NON-CONFIDENTIAL
(1) UNISYS CORPORATION		(6) UNISYS CORPORATION		(12) APPLICATION STATUS	IN COMPLIANCE
(2) MARCUS AVE, M/S I.P.10		(7) MARCUS AVE, M/S I.P.10		DATE OF LAST CHANGE	12/06/89
(3) GREAT NECK (4) NY		(8) GREAT NECK (9) 11020		PRIOR CO ISSUE DATE	08/16/89
(5) 11020		(10) REP: JP SLATTERY JR 574-4949		PRIOR CO EXPIRATION DATE	08/15/90

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00021	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 34 FT.	(43)EXIT VELOCITY: 20.30 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 540.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 9 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1	

UNIT 1	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1203	DEGREASING AND CLEAN
	(59)BLDG: EAST MFG	(60)FLOOR NAME: GROUND LEVEL D-10		(61)RULE 1: 205.00	(62)RULE 2:

PROCESS/UNIT (72)DESCRIPTION 1. VARSOL SPRAY CLEANING
DESCRIPTION

CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: MING PROPELLER	(75)ID: 23	(76)DATE INSTALLED: 02/72
		(77)DISPOSAL METHOD:	(78)USEFUL LIFE: 15 YEARS	

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10*	PERMISSIBLE
ORGANIC SOLVENTS	(1085) NY930-00-0	(1086) D	(1087) 2.880	(1088) 01	(1089) 06	(1090) 2.880	(1091)	(1092) 2.880	(1093) 5760	(1094) 0	(1095) 5760

SPECIAL (151)CONDITION 1. AAL COMPLIANCE
CONDITIONS

(5)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE 1/1	(27)LAST INSPECTION DATE 1/1
	1. _____	(21)INSPECTION STATUS 5
	2. _____	(22)DATE OF NEXT ACTION 1/1
	3. _____	(23)ISSUE DATE 08/16/90
	4. _____	(24)EXPIRATION DATE 08/15/91
	5. _____	(25)CO FEE 850

FORM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

[Signature]

12/7/90

[Signature: Bruce B. Smith, P.E.]

11/29/90

**N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH**

SEQNC NO: 1-R-0110
RUN DATE: 05/07/90

C 282219 2998 00028 W I

LOCATION FAC EP

**CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION**

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 34 FT.	(43)EXIT VELOCITY: 15.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 700.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 12 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1	EDIT: REV. REQ.

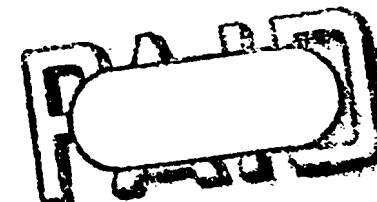
UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 200	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1203	DEGREASING AND CLEAN
	(59)BLDG: EAST MFG	(60)FLOOR NAME: GROUND LEVEL A-11	(61)RULE 1: 226.00	(62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. VAPOR DEGREASER CONTAINING COOLING COILS

CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: AMERICAN BLOWER #122	(75)ID: 30	(76)DATE INSTALLED: 05/70
		(77)DISPOSAL METHOD:		(78)USEFUL LIFE: 15 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
TRICHLOROETHYLENE	(085) 00079-01-6	(086) 0	(087) .330	(088) 01	(089) 06	(090) .330	(091)	(092) .330	(093) 528.000	(094) 0	(095) 528.000

SPECIAL CONDITIONS (15)CONDITION 1. 226 COMPLIANCE



(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE ____/____/____ (21)INSPECTION STATUS <u>5</u> (22)DATE OF NEXT ACTION ____/____/____ (23)ISSUE DATE <u>08 16 1990</u> (24)EXPIRATION DATE <u>08 15 1991</u> (25)CO FEE <u>\$50</u>
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FIRM REP'S SIGNATURE:

[Signature]

DATE:

12/7/90

ISSUING OFFICER'S SIGNATURE:

[Signature] P.E.

DATE:

11/24/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0121

RUN DATE: 05/07/90

C 282219 2998 00029 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020		FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949		(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90	
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PAGE 9
CONTINUED FROM PREVIOUS PAGE

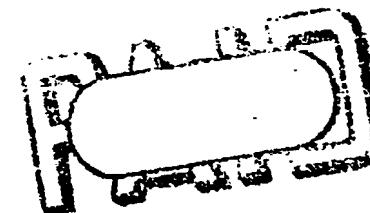
FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00029	(141)UTM-E: 609.3 KM.	(142)STACK HEIGHT: 34 FT.	(143)EXIT VELOCITY: 26.70 FT/SEC	(144)SIC: 3811	(145)AGENCY-CODE-1: C (COUNTY)
	(146)UTM-N: 512.5 KM.	(147)HT ABV STRUC: 6 FT.	(148)EXIT FLOW: 9360.00 ACFM	(149)CO FEE: \$400.00	(150)AGENCY-CODE-2: C (COUNTY)
	(151)GRND ELEV: 127 FT.	(152)STK DIAM: 30 IN.	(153)EXIT TEMP: 70 DEGR F	(154)CO CONDITIONS:	
UNIT I	(155)HOURS/DAY: 8.0	(156)DAYS/YEAR: 250	(157)% OP BY SEASON: 25 25 25 25	(158)SOURCE CODE: A0000	(161)RULE 1: 212.00 (162)RULE 2:
	(159)BLDG: EAST MFG	(160)FLOOR NAME: GROUND LEVEL A-11			

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
SODIUM HYDROXIDE	(1085) 01310-73-2	(1086) D	(1087)	(1088) 9%	(1089)	(1090)	(1091)	(1092) .001	(1093) 2.000	(1094) 0	(1095) 2.000
NITROGEN OXIDE NO	(1096) 10102-43-9	(1097) D	(1098) .040	(1099) 01	(1100) 06	(1101) .040	(1102)	(1103) .040	(1104) 80.000	(1105) 0	(1106) 80.000
NITRIC ACID MIST	(1107) 07697-37-2	(1108) D	(1109)	(1110) 9%	(1111)	(1112)	(1113)	(1114) .001	(1115) 2.000	(1116) 0	(1117) 2.000
SULFURIC ACID	(1118) 07664-93-9	(1119) D	(1120)	(1121) 9%	(1122)	(1123)	(1124)	(1125) .001	(1126) 2.000	(1127) 0	(1128) 2.000
TOTAL ORGANICS NEC	(1129) NY999-00-0	(1130) D	(1131) .060	(1132) 01	(1133) 06	(1134) .060	(1135)	(1136) .060	(1137)120.000	(1138) 0	(1139)120.000

SPECIAL CONDITIONS (151)CONDITION 1. AAL COMPLIANCE



(15)PRIOR COMMENTS (116)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.		(18)CURRENT COMMENTS (19)BY _____ (20)DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____		(27)LAST INSPECTION DATE ____/____/____ (21)INSPECTION STATUS 5 (22)DATE OF NEXT ACTION ____/____/____ (23)ISSUE DATE 08/16/90 (24)EXPIRATION DATE 08/15/91 (25)CO FEE \$400	
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FIRM REP'S SIGNATURE:

[Signature]

DATE:

12/1/90

ISSUING OFFICER'S SIGNATURE:

[Signature]

DATE:

11/29/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SLC NO: 1-R-0123

RUN DATE: 05/07/90

C 282219 2998 00031 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER		FACILITY		(11) CONFIDENTIAL STATUS	NON-CONFIDENTIAL
(1) UNISYS CORPORATION		(6) UNISYS CORPORATION		(12) APPLICATION STATUS	IN COMPLIANCE
(2) MARCUS AVE, M/S I.P.10		(7) MARCUS AVE, M/S I.P.10		DATE OF LAST CHANGE	12/06/89
(3) GREAT NECK	(4) NY	(8) GREAT NECK	(9) 11020	PRIOR CO ISSUE DATE	08/16/89
(5) 11020		(10) REP: JP SLATTERY JR 574-4949		PRIOR CO EXPIRATION DATE	08/15/90

FACILITY EMIS-CLASS / PGM-CODE: A2				POINT EMIS-CLASS / PGM-CODE:			
EMISSION	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 33 FT.	(43)EXIT VELOCITY: 3.60 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)		
POINT	(46)UTH-N: 512.5 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 720.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)		
00031	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 24 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS:			
UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A2410	WOODWORKING OPER		
	(59)BLDG: EAST MFG	(60)FLOOR NAME: GROUND LEVEL P-10	(61)RULE 1: 212.00	(62)RULE 2:			
PROCESS/UNIT (72)DESCRIPTION 1. DEMALT SAM FOR CUTTING OF WOOD ONLY							
DESCRIPTION 2. TO MAKE WOOD BOXES SHIPPING DEPT							
CONTROL (73)TYPE: 005 CYCLONE		(74)MFG: GARDEN CITY BLOWER #1		(75)ID: 38		(76)DATE INSTALLED: 09/68	
EQUIPMENT		(77)DISPOSAL METHOD:		(78)USEFUL LIFE: 15 YEARS			

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10*	PERMISSIBLE
PARTICULATES	(085) NY075-00-0	(086) C	(087) .440	(088) 01	(089) 06	(090) .440	(091) 90.0	(092) .440	(093) 880.000	(094) 0	(095) 880.000

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88	(18)CURRENT COMMENTS (19)BY	(20)DATE	(21)LAST INSPECTION DATE
1. 10:30AM WELDING BOOTHS TO BE FILED FOR	1.		5
2.	2.		
3.	3.		
4.	4.		08/16/90
5.	5.		08/15/91
			(25)CO FEE 850

FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQ. NO: 1-R-0124

RUN DATE: 05/07/90

C 282219 2998 00036 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020		FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949		(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90	
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00036	(141)UTH-E: 609.3 KM.	(142)STACK HEIGHT: 34 FT.	(143)EXIT VELOCITY: 30.20 FT/SEC	(144)SIC: 3811	(145)AGENCY-CODE-1: C (COUNTY)
	(146)UTH-N: 512.5 KM.	(147)HT ABV STRUC: 6 FT.	(148)EXIT FLOW: 3336.00 ACFM	(149)CO FEE: \$50.00	(150)AGENCY-CODE-2: C (COUNTY)
	(151)GRND ELEV: 127 FT.	(152)STK DIAM: 18 IN.	(153)EXIT TEMP: 70 DEGR F	(154)CO CONDITIONS: 1	EDIT: REV. REQ.

UNIT I	(155)HOURS/DAY: 8.0	(156)DAYS/YEAR: 250	(157)% OP BY SEASON: 25 25 25 25	(158)SOURCE CODE: A1203	DEGREASING AND CLEAN
	(159)BLOG: EAST MFG	(160)FLOOR NAME: GROUND LEVEL M-13	(161)RULE 1: 212.00	(162)RULE 2:	

PROCESS/UNIT DESCRIPTION (172)DESCRIPTION

1. FUME HOODS FAN VENTILATED CLEANING OPERATION
2. PLACING PARTS TO BE CLEANED IN SMALL METAL CONTAINERS
3. CONTAINING SOLUTIONS AS LISTED & SMALL ULTRASONIC
4. CLEANER ALL WITHIN FUME HOOD

CONTROL EQUIPMENT	(173)TYPE: 001 FAN	(174)MFG: AMERICAN BLOWER S-165 FQ	(175)ID: 39	(176)DATE INSTALLED: 02/72
		(177)DISPOSAL METHOD:	(178)USEFUL LIFE: 15 YEARS	

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10*	PERMISSIBLE
TETRACHLOROETHYLENE	(085) 00127-18-4	(086) D	(087) 10.130	(088) 01	(089) 06	(090) 10.130	(091)	(092) 10.130	(093) 20260	(094) 0	(095) 20260
CHLOROMETHANE	(096) 00074-87-3	(097) D	(098) 4.140	(099) 01	(100) 06	(101) 4.140	(102)	(103) 4.140	(104) 8280	(105) 0	(106) 8280

SPECIAL CONDITIONS (151)CONDITION 1. AGI COMPLIANCE

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE 1/1 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE 1/1 (21)INSPECTION STATUS 5 (22)DATE OF NEXT ACTION 1/1 (23)ISSUE DATE 08/16/90 (24)EXPIRATION DATE 08/15/91 (25)CO FEE \$50
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IRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

[Signature]

11/7/90

[Signature]

11/29/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0127

RUN DATE: 05/07/90

C 282219 2998 00037 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00037	(141)UTH-E: 609.3 KM.	(142)STACK HEIGHT: 34 FT.	(143)EXIT VELOCITY: 34.00 FT/SEC	(144)SIC: 3811	(145)AGENCY-CODE-1: C (COUNTY)
	(146)UTH-N: 512.5 KM.	(147)HT ABV STRUC: 6 FT.	(148)EXIT FLOW: 2304.00 ACFM	(149)CO FEE: \$50.00	(150)AGENCY-CODE-2: C (COUNTY)
	(151)GRND ELEV: 127 FT.	(152)STK DIAM: 14 IN.	(153)EXIT TEMP: 70 DEGR F	(154)CO CONDITIONS: 1	EDIT: REV. REQ.

UNIT I	(155)HOURS/DAY: 4.0	(156)DAYS/YEAR: 250	(157)% OP BY SEASON: 25 25 25 25	(158)SOURCE CODE: A1203	DEGREASING AND CLEAN
	(159)BLDG: EAST MFG	(160)FLOOR NAME: GROUND LEVEL Q-12	(161)RULE 1: 205.00	(162)RULE 2: 212.00	

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. EXHAUST HOOD DIPPING OF SMALL PARTS FOR CLEANING

CONTROL EQUIPMENT	(173)TYPE: 001 FAN	(174)MFG: BARRY BLOWER \$150 BUF	(175)ID: 40	(176)DATE INSTALLED: 01/70
	(177)DISPOSAL METHOD:		(178)USEFUL LIFE: 15 YEARS	

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)			
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE	
TETRACHLOROETHYLENE	(085) 00127-18-4	(086) D	(087) 6.100	(088) 01	(089) 06	(090) 6.100	(091)	(092) 6.100	(093) 6100	(094) 0	(095) 6100	
OTHER ALIPHATIC HALO	(096) NY780-00-0	(097) D	(098) 5.800	(099) 01	(100) 06	(101) 5.800	(102)	(103) 5.800	(104) 5800	(105) 0	(106) 5800	

SPECIAL CONDITIONS (151)CONDITION 1. AAL COMPLIANCE

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE ____/____/____ (21)INSPECTION STATUS <u>5</u> (22)DATE OF NEXT ACTION ____/____/____ (23)ISSUE DATE <u>08/16/90</u> (24)EXPIRATION DATE <u>08/15/91</u> (25)CO FEE <u>850</u>
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FIRM REP'S SIGNATURE:

[Signature]

DATE:

12/7/90

ISSUING OFFICER'S SIGNATURE:

Bruce B. Smith P.E.

DATE:

11/7/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQ NO: 1-R-0130

RUN DATE: 05/07/90

C 282219 2998 00040 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00040	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 10 FT.	(43)EXIT VELOCITY: 40.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: -20 FT.	(48)EXIT FLOW: 1100.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 9 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	

UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 200	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 2410	WOODWORKING OPER
	(59)BLDG:	(60)FLOOR NAME: GROUND LEVEL MODEL SHOP P-15	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. EXHAUST SYSTEM FOR WOODWORKING MACHINES
2. IN MODEL SHOP CONNECTED TO DUST ARRESTOR

CONTROL EQUIPMENT	(73)TYPE: 008 FABRIC COLLECTOR	(74)MFG: STERNVENT #DGH305 DUST ARRESTOR	(75)ID: 01	(76)DATE INSTALLED: 06/83
		(77)DISPOSAL METHOD: 09 OTHER		(78)USEFUL LIFE: 20 YEARS

CONTROL EQUIPMENT (79)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOM DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
PARTICULATES	(085) NY075-00-0	(086) 0	(087) .001	(088) 01	(089) 06	(090) .001	(091) 99.9	(092) .001	(093) 1.600	(094) 0	(095) 1.600

SPECIAL CONDITIONS (15)CONDITION 1. AGI COMPLIANCE

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE <u>1 1</u> 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE <u>1 1</u> (21)INSPECTION STATUS <u>5</u> (22)DATE OF NEXT ACTION <u>1 1</u> (23)ISSUE DATE <u>08/16/90</u> (24)EXPIRATION DATE <u>08/15/91</u> (25)CO FEE <u>\$50</u>
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FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

[Signature]

12/7/90

[Signature] P.E.

11/29/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0131
RUN DATE: 05/07/90

C 282219 2998 00042 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020		FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949		(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90	
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00042	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 31 FT.	(43)EXIT VELOCITY: 74.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 3485.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 12 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	

UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1103	SANDING OR GRINDING
	(59)BLOG: EAST MANUFACTURING	(60)FLOOR NAME: GROUND FLOOR	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. SHEET ALUMINUM SANDER
DESCRIPTION

CONTROL EQUIPMENT	(73)TYPE: 006 CENTRIFUGAL (DRY)	(74)MFG: TORIT CYCLONE MODEL 30-10 FM	(75)ID: 42	(76)DATE INSTALLED: 08/76
		(77)DISPOSAL METHOD: 01 LANDFILL - ONSITE	(78)USEFUL LIFE: 15 YEARS	

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10*	PERMISSIBLE
ALUMINUM	(085) 07429-90-5	(086) D	(087) .009	(088) 01	(089) 06	(090) .009	(091) 95.0	(092) .009	(093) 18.000	(094) 0	(095) 18.000

SPECIAL (151)CONDITION 1. AGI COMPLIANCE
CONDITIONS

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE <u>1 / 1</u> 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE <u>1 / 1</u> (21)INSPECTION STATUS <u>5</u> (22)DATE OF NEXT ACTION <u>1 / 1</u> (23)ISSUE DATE <u>08/16/90</u> (24)EXPIRATION DATE <u>08/15/91</u> (25)CO FEE <u>50</u>
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FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

D I 2 L

12/7/90

Russ B. 1.4 p.c. VDA

11/29/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SLC NO: 1-R-0132

RUN DATE: 05/07/90

AUG 00 1990

C 282219 2998 00043 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020		FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949		(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90
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FACILITY EMIS-CLASS / PGM-CODE: A2		POINT EMIS-CLASS / PGM-CODE:	
EMISSION POINT 00043	(41)UTH-E: 609.3 KM. (46)UTH-N: 512.4 KM. (51)GRND ELEV: 127 FT.	(42)STACK HEIGHT: 33 FT. (47)HT ABV STRUC: 6 FT. (52)STK DIAM: 10 IN.	(43)EXIT VELOCITY: 67.00 FT/SEC (48)EXIT FLOW: 2191.00 ACFM (53)EXIT TEMP: 70 DEGR F
UNIT I	(55)HOURS/DAY: 8.0 (59)BLDG: EAST MANUFACTURING	(56)DAYS/YEAR: 250 (60)FLOOR NAME: GROUND FLOOR	(57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1103 (61)RULE 1: 212.00
		(44)SIC: 3811 (49)CO FEE: \$50.00 (54)CO CONDITIONS: 1 3	(45)AGENCY-CODE-1: C (COUNTY) (50)AGENCY-CODE-2: C (COUNTY) (62)RULE 2:

PROCESS/UNIT DESCRIPTION	(72)DESCRIPTION 1. SANDING SHEET ALUMINUM
CONTROL EQUIPMENT	(73)TYPE: 006 CENTRIFUGAL (DRY) (74)MFG: ROTOCLONE SIZE 7 TYPE F (77)DISPOSAL METHOD: 01 LANDFILL - ONSITE
	(75)ID: 43 (76)DATE INSTALLED: 08/76 (78)USEFUL LIFE: 15 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
ALUMINUM	(085) 07429-90-5	(086) 0	(087) .009	(088) 01	(089) 06	(090) .009	(091) 95.0	(092) .009	(093) 18.000	(094) 0	(095) 18.000

SPECIAL CONDITIONS	(151)CONDITION 1. AGI COMPLIANCE
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(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE 1/1 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE 1/1 (21)INSPECTION STATUS 5 (22)DATE OF NEXT ACTION 1/1 (23)ISSUE DATE 08/16/90 (24)EXPIRATION DATE 08/15/91 (25)CO FEE \$50
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FIRM REP'S SIGNATURE: <i>[Signature]</i>	DATE: 12/7/90	ISSUING OFFICER'S SIGNATURE: <i>[Signature]</i>	DATE: 11/29/90
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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0133
RUN DATE: 05/07/90

C 282219 2998 00044 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90
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FACILITY EMIS-CLASS / PGM-CODE: A2	POINT EMIS-CLASS / PGM-CODE:
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EMISSION POINT 00044	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 36 FT.	(43)EXIT VELOCITY: 21.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 1545.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 15 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	

UNIT I	(55)HOURS/DAY: 16.0	(56)DAYS/YEAR: 200	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 2102	MIXING OR BLENDING -
	(59)BLDG: EAST MANUFACTURE	(60)FLOOR NAME: GROUND LEVEL	(61)RULE 1: 205.00	(62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. HAND MIXING & THINNING PAINT
DESCRIPTION

CONTROL (73)TYPE: 099 NONE
EQUIPMENT

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S						% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE	ACTUAL	10*			PERMISSIBLE		

TOLUENE	(085) 00108-88-3	(086)	(087) .008	(088) 01	(089) 06	(090) .008	(091)	(092) .008	(093) 25.600	(094) 0	(095) 25.600
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SPECIAL (151)CONDITION 1. AAL COMPLIANCE
CONDITIONS

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTHS TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY (20)DATE / / 1. 2. 3. 4. 5.	(27)LAST INSPECTION DATE / / (21)INSPECTION STATUS 5 (22)DATE OF NEXT ACTION / / (23)ISSUE DATE 08/16/90 (24)EXPIRATION DATE 08/15/91 (25)CO FEE \$50
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FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0137
RUN DATE: 05/07/90

C 282219 2998 00050 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90
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FACILITY EMIS-CLASS / PGM-CODE: A2	POINT EMIS-CLASS / PGM-CODE:
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EMISSION POINT 00050	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 31 FT.	(43)EXIT VELOCITY: 27.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 1493.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 13 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3						

UNIT I	(55)HOURS/DAY: 1.0	(56)DAYS/YEAR: 250	(57)OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1203	(59)BLDG: EAST MANUFACTURING	(60)FLOOR NAME: GROUND LEVEL	(61)RULE 1: 205.00	(62)RULE 2: 212.00
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PROCESS/UNIT (72)DESCRIPTION 1. CLEANING SMALL PARTS
DESCRIPTION

CONTROL (73)TYPE: 099 NONE
EQUIPMENT

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
METHYL CHLOROFORM	(085) 00071-55-6	(086) D	(087) 1.360	(088) 01	(089) 06	(090) .670	(091)	(092) 1.360	(093) 1340.000	(094) 0	(095) 1340.000
METHANOL	(096) 00067-56-1	(097) D	(098) .670	(099) 01	(100) 06	(101) .670	(102)	(103) .670	(104) 168.000	(105) 0	(106) 168.000

SPECIAL (151)CONDITION 1. AAL COMPLIANCE
CONDITIONS

(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM WELDING BOOTH TO BE FILED FOR 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE ____/____/____ (21)INSPECTION STATUS <u>5</u> (22)DATE OF NEXT ACTION ____/____/____ (23)ISSUE DATE <u>08/16/90</u> (24)EXPIRATION DATE <u>08/15/91</u> (25)CO FEE <u>850</u>
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FIRM REP'S SIGNATURE:

[Signature]

DATE:

12/7/90

ISSUING OFFICER'S SIGNATURE:

[Signature] R. B. Smith, P.E.

DATE:

11/29/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SLC NO: 1-R-0139

RUN DATE: 05/07/90

C 282219 2998 00051 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

AUG 00 1990

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDNTL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/89 PRIOR CO ISSUE DATE 08/16/89 PRIOR CO EXPIRATION DATE 08/15/90
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

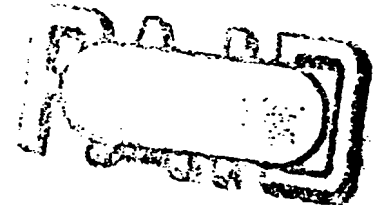
<u>EMISSION</u>	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 31 FT.	(43)EXIT VELOCITY: 34.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
<u>POINT</u>	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 1112.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
<u>00051</u>	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 10 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	
<u>UNIT I</u>	(55)HOURS/DAY: 1.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 2101	MIXING OR BLENDING -
	(59)BLDG: EAST MANUFACTURING	(60)FLOOR NAME: GROUND FLOOR	(61)RULE 1: 205.00	(62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. MIXING ADHESIVES
DESCRIPTION

CONTROL (73)TYPE: 099 NONE
EQUIPMENT

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10*	PERMISSIBLE
MISCELLANEOUS ORG	(1085) NY990-00-0	(1086) C	(1087) .107	(1088) 01	(1089) 06	(1090) .107	(1091)	(1092) .107	(1093) 26.750	(1094) 0	(1095) 26.750

SPECIAL (151)CONDITION 1. AAL COMPLIANCE
CONDITIONS



(15)PRIOR COMMENTS (16)BY 850ST (17)DATE 06/13/88 1. 10:30AM UNABLE TO GAIN ACCESS 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE ____/____/____ (21)INSPECTION STATUS <u>5</u> (22)DATE OF NEXT ACTION ____/____/____ (23)ISSUE DATE <u>08/16/90</u> (24)EXPIRATION DATE <u>08/15/91</u> (25)CO FEE <u>\$50</u>
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FIRM REP'S SIGNATURE:

[Signature]

DATE:

12/7/90

ISSUING OFFICER'S SIGNATURE:

[Signature] P.E.

DATE:

11/29/90

**N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH**

SEQNC NO: 1-C-0024
RUN DATE: 09/10/90

C 282219 2998 00052 W I

LOCATION FAC EP

**CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT**

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 08/28/90 PRIOR CO ISSUE DATE PRIOR CO EXPIRATION DATE
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 35 FT.	(43)EXIT VELOCITY: 25.62 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 7 FT.	(48)EXIT FLOW: 10450.00 ACFM	(49)CO FEE:	(50)AGENCY-CODE-2: C (COUNTY)
00052	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 34 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	

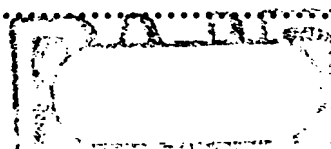
UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1410	WELDING
	(59)BLDG:	(60)FLOOR NAME:	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. UNIT PROVIDES VENTILATION FOR A WELDING BOOTH
2. WHERE MIG AND TIG WELDING IS PERFORMED.

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
SILICON	(085) 07440-21-3	(086) D	(087) .004	(088) 01	(089) 06	(090) .004	(091)	(092) .004	(093) 7.600	(094) 0	(095) 7.600
HELIUM HE	(096) 07440-59-7	(097) D	(098) .002	(099) 01	(100) 06	(101) .002	(102)	(103) .002	(104) 4.000	(105) 0	(106) 4.000
ARGON AR	(107) 07440-37-1	(108) D	(109) .021	(110) 01	(111) 06	(112) .021	(113)	(114) .021	(115) 4.200	(116) 1	(117) 4.200
MAGNESIUM OXIDE	(118) 01309-48-4	(119) C	(120) .001	(121) 94	(122) 06	(123) .001	(124)	(125) .001	(126) 2.000	(127) 0	(128) 2.000
ZINC OXIDE (FUME)	(129) 01314-13-2	(130) C	(131) .001	(132) 94	(133) 06	(134) .001	(135)	(136) .001	(137) 2.000	(138) 0	(139) 2.000

SPECIAL CONDITIONS (151)CONDITION 1. AG1 COMPLIANCE REQUIRED


 P/C - 8/15/90 - 100 } TOTAL
 P/O 8/15/91 - 50 } DUE
 \$ 150

(15)PRIOR COMMENTS (16)BY 1. 2. 3. 4. 5.	(17)DATE	(18)CURRENT COMMENTS (19)BY 1. 2. 3. 4. 5.	(20)DATE / /	(27)LAST INSPECTION DATE / / (21)INSPECTION STATUS (22)DATE OF NEXT ACTION / / (23)ISSUE DATE 08/16/90 (24)EXPIRATION DATE 08/15/91 (25)CO FEE \$50.00
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REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

[Signature]

12/7/90

[Signature] R. J. H. P.E.

11/29/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-C-0026
RUN DATE: 09/10/90

C 282219 2998 00053 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 08/29/90 PRIOR CO ISSUE DATE PRIOR CO EXPIRATION DATE
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 35 FT.	(43)EXIT VELOCITY: 25.62 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
POINT	(46)UTH-N: 512.4 KM.	(47)HT ABV STRUC: 7 FT.	(48)EXIT FLOW: 10450.00 ACFM	(49)CO FEE:	(50)AGENCY-CODE-2: C (COUNTY)
00053	(51)GRND ELEV: 127 FT.	(52)STK DIAM: 34 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	

UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1410	WELDING
	(59)BLDG:	(60)FLOOR NAME:	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. UNIT PROVIDES VENTILATION FOR A WELDING BOOTH
DESCRIPTION 2. WHERE MIG AND TIG WELDING IS PERFORMED.

CONTROL (73)TYPE: 099 NONE
EQUIPMENT

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
SILICON	(085) 07440-21-3	(086) D	(087) .004	(088) 01	(089) 06	(090) .004	(091)	(092) .004	(093) 7.600	(094) 0	(095) 7.600
HELIUM HE	(096) 07440-59-7	(097) D	(098) .002	(099) 01	(100) 06	(101) .002	(102)	(103) .002	(104) 4.000	(105) 0	(106) 4.000
ARGON AR	(107) 07440-37-1	(108) D	(109) .021	(110) 01	(111) 06	(112) .021	(113)	(114) .021	(115) 4.200	(116) 1	(117) 4.200
MAGNESIUM OXIDE	(118) 01309-48-4	(119) C	(120) .001	(121) 94	(122) 06	(123) .001	(124)	(125) .001	(126) 2.000	(127) 0	(128) 2.000
ZINC OXIDE (FUME)	(129) 01314-13-2	(130) C	(131) .001	(132) 94	(133) 06	(134) .001	(135)	(136) .001	(137) 2.000	(138) 0	(139) 2.000

SPECIAL (151)CONDITION 1. AG1 COMPLIANCE REQUIRED
CONDITIONS

P/C - 08/15/90 - 50
C/O - 08/15/91 - 50
TOTAL DUE - 100

(15)PRIOR COMMENTS (16)BY 1. 2. 3. 4. 5.	(17)DATE	(18)CURRENT COMMENTS (19)BY 1. 2. 3. 4. 5.	(20)DATE / /	(27)LAST INSPECTION DATE / / (21)INSPECTION STATUS (22)DATE OF NEXT ACTION / / (23)ISSUE DATE 08/16/90 (24)EXPIRATION DATE 08/15/91 (25)CO FEE \$50.00
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FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0344
RUN DATE: 09/18/89

C 282219 2998 00058 W C

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
STATIONARY COMBUSTION INSTALLATION UNIT
RENEWAL APPLICATION

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020	FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/88 PRIOR CO ISSUE DATE 01/01/89 PRIOR CO EXPIRATION DATE 12/31/89
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EMISSION POINT 00058	FACILITY EMIS-CLASS / PGM-CODE: A2 (41)UTH-E: 609.3 KM. (42)STACK HEIGHT: 65 FT. (43)EXIT VELOCITY: 7.80 FT/SEC (44)SIC: 3811 (45)AGENCY-CODE-1: C (COUNTY) (46)UTH-N: 512.5 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 14000.00 ACFM (49)CO FEE: \$100.00 (50)AGENCY-CODE-2: C (COUNTY) (51)GRND ELEV: 150 FT. (52)STK DIAM: 74 IN. (53)EXIT TEMP: 250 DEGR F (54)CO CONDITIONS: 1 (55)HEAT INPUT: 48.0 MILLIONS BTU/HR (56)CONTINUOUS MONITORS:
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UNIT C (62)BLDG: BOILER #5	(57)TYPE: 001 PACKAGE BOILER (58)MFG: BABCOCK & WILCOX FM-7516 (59)HEAT INPUT: 48.00 MILLIONS BTU/HR (60)AIR INTAKE: 1 OUTSIDE AIR INTAKE (61)SOURCE CODE: A7320 SPACE HEATING-VOL. (63)FLOOR NAME: GRD
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BURNER DATA (64)TYPE: 054 ROTARY CUP	(65)MFG: BABCOCK & WILCOX (66)NO. OF BURNERS: 1
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FUEL DATA (71)FUEL SUPPLIER: CIRILLO BROS	(67)TYPE: 036 NO 6 OIL - VIRGIN (68)AVG/HR: 249.0 (69)MAX/HR: 332.0 (70)TOTAL/YEAR: 150000 (72)HOURS/DAY: 6.7 (73)DAYS/YEAR: 90 (74)% OP BY SEASON: 80 07 07 06
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BURNER DATA (75)TYPE: 062 FORCED DRAFT POWER	(76)MFG: BABCOCK AND WILCOX MULTI-SPUD (77)NO. OF BURNERS: 1
--	--

FUEL DATA (82)FUEL SUPPLIER: LILCO	(78)TYPE: 052 NATURAL GAS (79)AVG/HR: 40000.0 (80)MAX/HR: 48000.0 (81)TOTAL/YEAR: 12000000 (83)HOURS/DAY: 6.7 (84)DAYS/YEAR: 30 (85)% OP BY SEASON: 00 10 80 10
--	--

CONTROL EQUIPMENT (86)TYPE: 099 NONE	
--	--

(15)PRIOR COMMENTS (16)BY 860MWN (17)DATE 12/05/88 1. 1:25PM BOILER #5 NOT ON LINE AT THIS TIME. 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE <u>1 / 1</u> 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE <u>1 / 1</u> (21)INSPECTION STATUS _____ (22)DATE OF NEXT ACTION <u>1 / 1</u> (23)ISSUE DATE <u>01/01/90</u> (24)EXPIRATION DATE <u>12/31/90</u> (25)CO FEE <u>100</u>
---	---	--

FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

Bruce B. Smith FEB 13 1990

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQ. NO: 1-R-0203
RUN DATE: 09/19/88

C 282219 2998 00057 W C
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
STATIONARY COMBUSTION INSTALLATION UNIT
RENEWAL APPLICATION

OWNER
(1) UNISYS CORPORATION
(2) MARCUS AVE, M/S I.P.10
(3) GREAT NECK (4) NY
(5) 11020

FACILITY
(6) UNISYS CORPORATION
(7) MARCUS AVE, M/S I.P.10
(8) GREAT NECK (9) 11020
(10) REP: JP SLATTERY JR 574-4949

(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL
(12) APPLICATION STATUS IN COMPLIANCE
DATE OF LAST CHANGE 11/09/87
PRIOR CO ISSUE DATE 01/01/88
PRIOR CO EXPIRATION DATE 12/31/88

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

<u>EMISSION</u> <u>POINT</u> <u>00057</u>	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 65 FT.	(43)EXIT VELOCITY: 8.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 529.0 KM.	(47)HT ABV STRUC: 15 FT.	(48)EXIT FLOW: 10000.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 150 FT.	(52)STK DIAM: 62 IN.	(53)EXIT TEMP: 250 DEGR F	(54)CO CONDITIONS: 1	
	(55)HEAT INPUT: 36.0 MILLIONS BTU/HR	(56)CONTINUOUS MONITORS:			
<u>UNIT C</u>	(57)TYPE: 001 PACKAGE BOILER	(58)MFG: COMBUSTION ENGINEERING VP5474	(59)HEAT INPUT: 36.00 MILLIONS BTU/HR		
	(62)BLDG: BOILER #4	(60)AIR INTAKE: 1 OUTSIDE AIR INTAKE	(61)SOURCE CODE: A7320 SPACE HEATING-VOL.		
	(63)FLOOR NAME: GRD				
BURNER DATA	(64)TYPE: 052 STEAM ATOMIZED	(65)MFG: COEN FYR-COMPAK	(66)NO. OF BURNERS: 1		
FUEL DATA	(67)TYPE: 036 NO 6 OIL - VIRGIN	FUEL QUANTITIES: (68)AVG/HR: 187.5	(69)MAX/HR: 250.0	(70)TOTAL/YEAR: 150000	
	(71)FUEL SUPPLIER: CIRILLO BROS	(72)HOURS/DAY: 8.9	(73)DAYS/YEAR: 90	(74)% OP BY SEASON: 80 10 00 10	
BURNER DATA	(75)TYPE: 062 FORCED DRAFT POWER	(76)MFG: COEN	(77)NO. OF BURNERS: 1		
FUEL DATA	(78)TYPE: 052 NATURAL GAS	FUEL QUANTITIES: (79)AVG/HR: 30000.0	(80)MAX/HR: 36000.0	(81)TOTAL/YEAR: 34000000	
	(82)FUEL SUPPLIER: LILCO	(83)HOURS/DAY: 7.9	(84)DAYS/YEAR: 90	(85)% OP BY SEASON: 00 20 60 20	
CONTROL EQUIPMENT	(86)TYPE: 099 NONE				

(15)PRIOR COMMENTS (16)BY MVN860 (17)DATE 10/21/85
1. 11AM UNABLE TO GAIN ACCESS
2.
3.
4.
5.

(18)CURRENT COMMENTS (19)BY 860 wvu (20)DATE 12/05/88
1. 1³⁵P.M. OPER. SUTIS
2.
3.
4.
5.

(27)LAST INSPECTION DATE 12/05/88
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION 1/1
(23)ISSUE DATE 01/10/89
(24)EXPIRATION DATE 12/31/89
(25)CO FEE 100

FIRM REP'S SIGNATURE:
✓ Ash Rogman

DATE:
12-5-88

ISSUING OFFICER'S SIGNATURE:
R. R. Smith

DATE:
1-17-89

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQ. NO: 1-R-0343

RUN DATE: 09/18/89

C 282219 2998 00057 W C

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
STATIONARY COMBUSTION INSTALLATION UNIT
RENEWAL APPLICATION

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020		FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949		(11) CONFIDENTIAL STATUS NON-CONFIDNTL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 12/06/88 PRIOR CO ISSUE DATE 01/01/89 PRIOR CO EXPIRATION DATE 12/31/89	
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00057	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 65 FT.	(43)EXIT VELOCITY: 8.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 529.0 KM.	(47)HT ABV STRUC: 15 FT.	(48)EXIT FLOW: 10000.00 ACFM	(49)CO FEE: \$100.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 150 FT.	(52)STK DIAM: 62 IN.	(53)EXIT TEMP: 250 DEGR F	(54)CO CONDITIONS: 1	
(55)HEAT INPUT: 36.0 MILLIONS BTU/HR		(56)CONTINUOUS MONITORS:			
UNIT C	(57)TYPE: 001 PACKAGE BOILER	(58)MFG: COMBUSTION ENGINEERING VP5474	(59)HEAT INPUT: 36.00 MILLIONS BTU/HR		
	(62)BLDG: BOILER #4	(60)AIR INTAKE: 1 OUTSIDE AIR INTAKE (63)FLOOR NAME: GRD	(61)SOURCE CODE: A7320 SPACE HEATING-VOL.		
BURNER DATA	(64)TYPE: 052 STEAM ATOMIZED	(65)MFG: COEN FYR-COMPAK	(66)NO. OF BURNERS: 1		
FUEL DATA	(67)TYPE: 036 NO 6 OIL - VIRGIN (71)FUEL SUPPLIER: CIRILLO BROS	FUEL QUANTITIES:	(68)AVG/HR: 187.5 (72)HOURS/DAY: 8.9	(69)MAX/HR: 250.0 (73)DAYS/YEAR: 90	(70)TOTAL/YEAR: 150000 (74)% OP BY SEASON: 80 10 00 10
BURNER DATA	(75)TYPE: 062 FORCED DRAFT POWER	(76)MFG: COEN	(77)NO. OF BURNERS: 1		
FUEL DATA	(78)TYPE: 052 NATURAL GAS (82)FUEL SUPPLIER: LILCO	FUEL QUANTITIES:	(79)AVG/HR: 30000.0 (83)HOURS/DAY: 7.9	(80)MAX/HR: 36000.0 (84)DAYS/YEAR: 90	(81)TOTAL/YEAR: 34000000 (85)% OP BY SEASON: 00 20 60 20
CONTROL EQUIPMENT	(86)TYPE: 099 NONE				

(15)PRIOR COMMENTS (16)BY 860MWN (17)DATE: 12/05/88 1. 1:25PM OPER SATIS 2. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE ____/____/____
		(21)INSPECTION STATUS _____
		(22)DATE OF NEXT ACTION ____/____/____
		(23)ISSUE DATE 01/01/90
		(24)EXPIRATION DATE 12/31/90
		(25)CO FEE 100

FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

Bruce B Smith FEB 13 1990

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-P-0202

RUN DATE: 09/19/88

C 282219 2998 00056 W C

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
STATIONARY COMBUSTION INSTALLATION UNIT
RENEWAL APPLICATION

OWNER	FACILITY	(11) CONFIDENTIAL STATUS	NON-CONFIDENTIAL
(1) UNISYS CORPORATION	(6) UNISYS CORPORATION	(12) APPLICATION STATUS	IN COMPLIANCE
(2) MARCUS AVE, M/S I.P.10	(7) MARCUS AVE, M/S I.P.10	DATE OF LAST CHANGE	11/09/87
(3) GREAT NECK (4) NY	(8) GREAT NECK (9) 11020	PRIOR CO ISSUE DATE	01/01/88
(5) 11020	(10) REP: JP SLATTERY JR 574-4949	PRIOR CO EXPIRATION DATE	12/31/88

FACILITY EHS-CLASS / PGM-CODE: A2

POINT EHS-CLASS / PGM-CODE:

<u>EMISSION</u>	(41)JTM-E: 609.3 KM.	(42)STACK HEIGHT: 65 FT.	(43)EXIT VELOCITY: 8.00 FT/SEC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
<u>POINT</u>	(46)JTM-N: 512.5 KM.	(47)HT ABV STRUC: 15 FT.	(48)EXIT FLOW: 10000.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
<u>00056</u>	(51)GRND ELEV: 150 FT.	(52)STK DIAM: 62 IN.	(53)EXIT TEMP: 250 DEGR F	(54)CO CONDITIONS: 1	

(55)HEAT INPUT: 36.0 MILLIONS BTU/HR

(56)CONTINUOUS MONITORS:

<u>UNIT C</u>	(57)TYPE: 001 PACKAGE BOILER	(58)MFG: COMBUSTION ENGINEERING VP2401	(59)HEAT INPUT: 36.00 MILLIONS BTU/HR
	(60)AIR INTAKE: 1 OUTSIDE AIR INTAKE	(61)SOURCE CODE: A7320	SPACE HEATING-VOL.
	(62)BLDG: BOILER #3	(63)FLOOR NAME: GRD	

BURNER DATA	(64)TYPE: 052 STEAM ATOMIZED	(65)MFG: COEN FYR-COMPAK	(66)NO. OF BURNERS: 1
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FUEL DATA	(67)TYPE: 036 NO 6 OIL - VIRGIN	<u>FUEL QUANTITIES:</u>	(68)AVG/HR: 187.5	(69)MAX/HR: 250.0	(70)TOTAL/YEAR: 150000
	(71)FUEL SUPPLIER: CIRILLO BROTHERS	(72)HOURS/DAY: 8.9	(73)DAYS/YEAR: 90	(74)% OP BY SEASON: 80 10 00	

BURNER DATA	(75)TYPE: 062 FORCED DRAFT POWER	(76)MFG: COEN FYR-COMPAK	(77)NO. OF BURNERS: 1
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FUEL DATA	(78)TYPE: 052 NATURAL GAS	<u>FUEL QUANTITIES:</u>	(79)AVG/HR: 30000.0	(80)MAX/HR: 36000.0	(81)TOTAL/YEAR: 34000000
	(82)FUEL SUPPLIER: LILCO	(83)HOURS/DAY: 7.9	(84)DAYS/YEAR: 90	(85)% OP BY SEASON: 00 20 60	

CONTROL EQUIPMENT (86)TYPE: 099 NONE

(15)PRIOR COMMENTS (16)BY 825DC	(17)DATE 11/04/87	(18)CURRENT COMMENTS (19)BY 860 WUN	(20)DATE 12/05/88	(27)LAST INSPECTION DATE 12/05/88
1. 11:35AM SAMPLE TAKEN		1. 12:50 P.M. Boiler on line, steady		(21)INSPECTION STATUS S
2.		2.		(22)DATE OF NEXT ACTION 1/1
3.		3.		(23)ISSUE DATE 01/10/89
4.		4.		(24)EXPIRATION DATE 12/31/88
5.		5.		(25)CO FEE \$100

FIRM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

✓ Ach Korman

12-5-88

Bruce B Smith

1-17-89

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0204
RUN DATE: 09/19/88

C 282219 2998 00058 W C

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
STATIONARY COMBUSTION INSTALLATION UNIT
RENEWAL APPLICATION

OWNER	FACILITY	(11) CONFIDENTIAL STATUS	NON-CONFIDENTIAL
(1) UNISYS CORPORATION	(6) UNISYS CORPORATION	(12) APPLICATION STATUS	IN COMPLIANCE
(2) MARCUS AVE, M/S I.P.10	(7) MARCUS AVE, M/S I.P.10	DATE OF LAST CHANGE	11/09/87
(3) GREAT NECK (4) NY	(8) GREAT NECK (9) 11020	PRIOR CO ISSUE DATE	01/01/88
(5) 11020	(10) REP: JP SLATTERY JR 574-4949	PRIOR CO EXPIRATION DATE	12/31/88

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00058	(41) MTH-E: 609.3 KM.	(42) STACK HEIGHT: 65 FT.	(43) EXIT VELOCITY: 7.80 FT/SEC	(44) SIC: 3811	(45) AGENCY-CODE-1: C (COUNTY)
	(46) MTH-N: 512.5 KM.	(47) HT ABV STRUC: 15 FT.	(48) EXIT FLOW: 14000.00 ACFM	(49) CO FEE: \$50.00	(50) AGENCY-CODE-2: C (COUNTY)
	(51) GRND ELEV: 150 FT.	(52) STK DIAM: 74 IN.	(53) EXIT TEMP: 250 DEGR F	(54) CO CONDITIONS: 1	

(55) HEAT INPUT: 48.0 MILLIONS BTU/HR

(56) CONTINUOUS MONITORS:

UNIT C	(57) TYPE: 001 PACKAGE BOILER	(58) MFG: BABCOCK & WILCOX FM-7516	(59) HEAT INPUT: 48.00 MILLIONS BTU/HR
	(62) BLDG: BOILER #5	(60) AIR INTAKE: 1 OUTSIDE AIR INTAKE	(61) SOURCE CODE: A7320 SPACE HEATING-VOL.
		(63) FLOOR NAME: GRD	

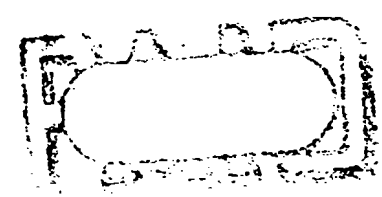
BURNER DATA	(64) TYPE: 054 ROTARY CUP	(65) MFG: BABCOCK & WILCOX	(66) NO. OF BURNERS: 1
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FUEL DATA	(67) TYPE: 036 NO 6 OIL - VIRGIN	FUEL QUANTITIES:	(68) AVG/HR: 249.0	(69) MAX/HR: 332.0	(70) TOTAL/YEAR: 150000
	(71) FUEL SUPPLIER: CIRILLO BROS		(72) HOURS/DAY: 6.7	(73) DAYS/YEAR: 90	(74) % OP BY SEASON: 80 07 07 06

BURNER DATA	(75) TYPE: 062 FORCED DRAFT POWER	(76) MFG: BABCOCK AND WILCOX MULTI-SPUD	(77) NO. OF BURNERS: 1
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FUEL DATA	(78) TYPE: 052 NATURAL GAS	FUEL QUANTITIES:	(79) AVG/HR: 40000.0	(80) MAX/HR: 48000.0	(81) TOTAL/YEAR: 12000000
	(82) FUEL SUPPLIER: LILCO		(83) HOURS/DAY: 6.7	(84) DAYS/YEAR: 30	(85) % OP BY SEASON: 00 10 80 10

CONTROL EQUIPMENT (86) TYPE: 099 NONE



(15) PRIOR COMMENTS (16) BY WYN860 (17) DATE 10/21/85	(18) CURRENT COMMENTS (19) BY 360 WUN (20) DATE 12/05/88	(27) LAST INSPECTION DATE 12/05/88
1. DIAM UNABLE TO GAIN ACCESS	1. 1 st P.M. Boiler #5 NOT ON LINE AT THIS TIME	(21) INSPECTION STATUS 5
2.	2.	(22) DATE OF NEXT ACTION 1/1
3.	3.	(23) ISSUE DATE 01/01/89
4.	4.	(24) EXPIRATION DATE 12/31/89
5.	5.	(25) CO FEE \$100

FORM REP'S SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

X John H. Roman

12-5-88

R. B. Smith

1-17-89

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NASSAU COUNTY DEPARTMENT OF HEALTH

SEQNC NO: 1-R-0205
RUN DATE: 09/19/88

C 282219 2998 00059 W C

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
STATIONARY COMBUSTION INSTALLATION UNIT
RENEWAL APPLICATION

OWNER (1) UNISYS CORPORATION (2) MARCUS AVE, M/S I.P.10 (3) GREAT NECK (4) NY (5) 11020		FACILITY (6) UNISYS CORPORATION (7) MARCUS AVE, M/S I.P.10 (8) GREAT NECK (9) 11020 (10) REP: JP SLATTERY JR 574-4949		(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 11/09/87 PRIOR CO ISSUE DATE 01/01/88 PRIOR CO EXPIRATION DATE 12/31/88	
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00059	(41)UTH-E: 609.3 KM.	(42)STACK HEIGHT: 65 FT.	(43)EXIT VELOCITY: 7.80 FT/SFC	(44)SIC: 3811	(45)AGENCY-CODE-1: C (COUNTY)
	(46)UTH-N: 512.5 KM.	(47)HT ABV STRUC: 15 FT.	(48)EXIT FLOW: 14000.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2: C (COUNTY)
	(51)GRND ELEV: 150 FT.	(52)STK DIAM: 74 IN.	(53)EXIT TEMP: 250 DEGR F	(54)CO CONDITIONS: 1	
	(55)HEAT INPUT: 48.0 MILLIONS BTU/HR		(56)CONTINUOUS MONITORS:		
UNIT C	(57)TYPE: 001 PACKAGE BOILER	(58)MFG: BABCOCK & MILCOX FM-8752	(59)HEAT INPUT: 48.00 MILLIONS BTU/HR		
	(62)BLDG: BOILER #6	(60)AIR INTAKE: 1 OUTSIDE AIR INTAKE (63)FLOOR NAME: GRD	(61)SOURCE CODE: A7320 SPACE HEATING-VOL.		
BURNER DATA	(64)TYPE: 054 ROTARY CUP	(65)MFG: BABCOCK & MILCOX	(66)NO. OF BURNERS: 1		
FUEL DATA	(67)TYPE: 036 NO 6 OIL - VIRGIN (71)FUEL SUPPLIER: CIRILLO BROS	FUEL QUANTITIES: (68)AVG/HR: 249.0 (72)HOURS/DAY: 6.7	(69)MAX/HR: 332.0 (73)DAYS/YEAR: 90	(70)TOTAL/YEAR: 150000 (74)% OP BY SEASON: 80 10 00 10	
BURNER DATA	(75)TYPE: 062 FORCED DRAFT POWER	(76)MFG: BABCOCK & MILCOX - MULTI-SPUD	(77)NO. OF BURNERS: 1		
FUEL DATA	(78)TYPE: 052 NATURAL GAS (82)FUEL SUPPLIER: LILCO	FUEL QUANTITIES: (79)AVG/HR: 40000.0 (83)HOURS/DAY: 6.7	(80)MAX/HR: 48000.0 (84)DAYS/YEAR: 30	(81)TOTAL/YEAR: 12000000 (85)% OP BY SEASON: 00 10 80 10	
CONTROL EQUIPMENT	(86)TYPE: 099 NONE				

(15)PRIOR COMMENTS (16)BY MW860 (17)DATE 10/21/85
1. I AM UNABLE TO GAIN ACCESS
2.
3.
4.
5.

(18)CURRENT COMMENTS (19)BY 860 WNN (20)DATE 12/05/88
1. 1²⁵ P.M. Boiler #6 NOT ON LINE AT THIS TIME
2.
3.
4.
5.

(27)LAST INSPECTION DATE 12/05/88
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION 1/1
(23)ISSUE DATE 01/01/89
(24)EXPIRATION DATE 12/31/89
(25)CO FEE \$100

FIRM REP'S SIGNATURE:

✓ John Herman

DATE:

12-5-88

ISSUING OFFICER'S SIGNATURE:

M M D. H

DATE:

1-17-89

OP LOCATION FACILITY EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE - ORIGINAL
GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT

A ADD
C CHANGE
D DELETE
READ INSTRUCTIONS
CONTAINED IN
FORM 76-11-12
BEFORE ANSWERING
ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM
APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM Unirys Corporation			9 NAME OF AUTHORIZED AGENT IIZM Group, P.C.			10 TELEPHONE 516-756-8000			19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)		
2 NUMBER AND STREET ADDRESS Marcus Avenue, M/S IP 10			11 NUMBER AND STREET ADDRESS 575 Broad Hollow Road			12 CITY-TOWN-VILLAGE Melville			13 STATE NY		
3 CITY-TOWN-VILLAGE Great Neck			4 STATE NY			5 ZIP 11020			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS)		
6 OWNER CLASSIFICATION A ☐ COMMERCIAL C ☐ UTILITY F ☐ MUNICIPAL D ☒ INDUSTRIAL E ☐ FEDERAL G ☐ TOXIC INST J ☐ OTHER			16 NAME OF PE OR ARCHITECT PREPARING APPLICATION John J. Molloy, P.E.			17 NYS PE OR ARCHITECT LICENSE NO 055141			14 ZIP 11747		
7 NAME & TITLE OF OWNER REPRESENTATIVE Laurence F. Miles			8 TELEPHONE 516-574-1121			18 SIGNATURE OF OWNER REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT			21 CITY-TOWN-VILLAGE		
									22 ZIP		
									23 BUILDING NAME OR NUMBER Manufacturing		
									24 FLOOR NAME OR NUMBER Ground Floor-Clean rm		
									25 START UP DATE 3/90		
									26 DRAWING NUMBERS OF PLANS SUBMITTED Air Emission Survey		
									27 PERMIT TO CONSTRUCT A ☒ NEW SOURCE C ☐ EXISTING R ☐ MODIFICATION		
									28 CERTIFICATE TO OPERATE A ☒ NEW SOURCE C ☐ EXISTING R ☐ MODIFICATION		

39 EMISSION POINT ID E P 001	40 GROUND ELEVATION (FT) 127	41 SOURCE ELEVATION (FT) 6	42 STACK HEIGHT (FT) 34	43 INHSE (DIMENSIONS IN) 12	44 EXH TEMP (°F) 72	45 EXH VELOCITY (FT/SEC) 21	46 EXH RATE (ACT M) 1000	47 SOURCE CODE	48 HRS/DAY 4	49 DAYS/YR 100	50 % OPERATION BY SEASON Winter Spring Summer Fall 2 5 2 5 2 5 2 5
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51 DESCRIBE PROCESS OR UNIT Hood near double sinks. Small part cleaning.	52	53	54	55	56	57	58
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59 EMISSION CONTROL EQUIPMENT ID	60 CONTROL TYPE	61 MANUFACTURER'S NAME AND MODEL NUMBER	62 DISPOSAL METHOD	63 DATE INSTALLED MONTH / YEAR	64 USEFUL LIFE
42	43	44	45	46 /	47
48	49	50	51	52 /	53

65 CALCULATIONS See Calculation Sheet 1
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CONTAMINANT NAME	FAC NUMBER	INPUT OR PRODUCTION RATE	ENV RATING	EMISSIONS				% CONTROL EFFICACY	HAP EMISSIONS (LBS/HRI)		ANNUAL EMISSIONS (LBS/YR)	
				ACTUAL	INT	EXT	PERMISSIBLE		ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
1,1,1-Trichloroethane	71-55-6			0.031	1	6		0	0.031	0.031	1.2	1
1,4-Diethylene Dioxide	123-91-1			0.00046	1	6		0	0.00046	0.00046	1.8	0
Glycol Methylene Ether	646-06-0			0.00043	1	6		0	0.00043	0.00043	0.17	0
2-Butanol	78-92-2			0.00043	1	6		0	0.00043	0.00043	0.17	0
2-Propanol	67-63-0			0.020	1	6		0	0.020	0.020	8.0	0
Trichlorotrifluoroethane	76-13-1			0.036	1	6		0	0.036	0.036	14.4	0

66 TYPE	67 SOLID FUEL TONS/YR	68 % S	69 TYPE	70 LIQUID FUEL THOUSANDS OF GALLONS/YR	71 % S	72 TYPE	73 GAS THOUSANDS OF CF/YR	74 BTU/	75 APPLICABLE RULE
124	125	126	127	128	129	130	131	132	133

Upon completion of construction sign the statement listed below and forward to the appropriate law representative.
THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

134 LOCATION CODE	135 FACILITY ID NO	136 UTM (E)	137 UTM (N)	138 P.C. NUMBER	139 DATE APPL RECEIVED	140 DATE APPL REVIEWED	141 REVIEWED BY

PERMIT TO CONSTRUCT				142
143 DATE ISSUED	144 EXPIRATION DATE	145 SIGNATURE OF APPROVAL	146 FEE	1 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
				2 THIS IS NOT A CERTIFICATE TO OPERATE
				3 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

CERTIFICATE TO OPERATE				147
148 DATE ISSUED	149 EXPIRATION DATE	150 SIGNATURE OF APPROVAL	151 FEE	1 INSPECTED BY
				2 INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES INDICATED ON FORM
				3 ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
				4 APPLICATION FOR C.O. DENIED

152 SPECIAL CONDITIONS:		153
1		
2		
3		
4		
5		
6		
7		

Continuation

SP	LOCATION	FACILITY	EMISSION POINT

 NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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 PROCESS, EXHAUST OR VENTILATION SYSTEM
 APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM Unisys Corporation	9 NAME OF AUTHORIZED AGENT	10 TELEPHONE	19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)
2 NUMBER AND STREET ADDRESS Marous Avenue M/S IP 10	11 NUMBER AND STREET ADDRESS		20 FACILITY LOCATION (NUMBER AND STREET ADDRESS)
3 CITY - TOWN - VILLAGE Great Neck	4 STATE NY	5 ZIP 11020	21 CITY - TOWN - VILLAGE
6 OWNER CLASSIFICATION A ☐ COMMERCIAL C ☐ UTILITY F ☐ MUNICIPAL B ☐ INDUSTRIAL D ☐ FEDERAL G ☐ EDUC INST J ☐ OTHER	7 NAME & TITLE OF OWNERS REPRESENTATIVE	8 TELEPHONE	22 ZIP
9 NAME OF P.E. OR ARCHITECT John J. Molloy, P.E.	16 NYS P.E. OR ARCHITECT LICENSE NO. 055141	17 TELEPHONE	23 BUILDING NAME OR NUMBER
18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLICANT FOR PERMIT TO CONSTRUCT			24 FLOOR NAME OR NUMBER
			25 START UP DATE
			26 DRAWING NUMBERS OF PLANS SUBMITTED
			27 PERMIT TO CONSTRUCT A ☐ NEW SOURCE B ☐ MODIFICATION
			28 CERTIFICATE TO OPERATE A ☐ NEW SOURCE C ☐ EXISTING SOURCE B ☐ MODIFICATION

29 EMISSION POINT ID EPO 01	30 EMISSION POINT LOCATION	31 EMISSION POINT ELEVATION	32 EMISSION POINT DIRECTION	33 EMISSION POINT DIRECTION	34 EMISSION POINT DIRECTION	35 EMISSION POINT DIRECTION	36 EMISSION POINT DIRECTION	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON
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41 DESCRIBE PROCESS OR UNIT	42	43	44	45	46	47	48
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EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
49	50	51	52	53	54

CALCULATIONS

CONTAMINANT	NAME	CAS NUMBER	INPUT OR PRODUCTION	INPUT	ENV RATING	EMISSIONS		% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
						ACTUAL	PERMISSIBLE		ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
55	Methyl Alcohol	67	56	57	58	59	60	61	62	63	64	65
66	Nitromethane	75	67	68	69	70	71	72	73	74	75	76

TYPE	SOLID FUEL	% S	TYPE	LIQUID FUEL	% S	TYPE	GAS	% S	APPLICABLE RULE
77	78	79	80	81	82	83	84	85	86

Upon completion of construction sign the statement listed below and forward to the appropriate field representative.

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATE SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

87 LOCATION CODE	88 FACILITY ID NO	89 UTM (E)	90 UTM (N)	91 SIC NUMBER	92 DATE APPL RECEIVED	93 DATE APPL REVIEWED	94 REVIEWED BY

PERMIT TO CONSTRUCT			
95 DATE ISSUED	96 EXPIRATION DATE	97 SIGNATURE OF APPROVAL	98 FEE

CERTIFICATE TO OPERATE			
99 DATE ISSUED	100 EXPIRATION DATE	101 SIGNATURE OF APPROVAL	102 FEE

103 SPECIAL CONDITIONS	104	105	106	107	108
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OP	LOCATION	FACILITY	EMISSION POINT

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PROCESS, EXHAUST OR VENTILATION SYSTEM
APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF APPLICANT Unisys Corporation			4 NAME OF AUTHORITY/AGENCY H2M Group, P.C.			10 TELEPHONE 516-756-8000			18 FACILITY NAME (IF DIFFERENT FROM OWNER/TRADE)		
2 NUMBER AND STREET ADDRESS Marcus Avenue M/S IP 10			11 NUMBER AND STREET ADDRESS 575 Broad Hollow Road			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS)			22 ZIP		
3 CITY/TOWN/VILLAGE Great Neck			12 CITY/TOWN/VILLAGE Melville			13 STATE NY			14 ZIP 11747		
5 OWNER'S REGISTRATION Laurence F. Miles			15 NAME OF THE OPERATOR John J. Molloy, P.E.			16 NY'S REG. OR ARCHITECT'S LICENSE NO. 055141			17 TELEPHONE 756-8000		
6 TYPE OF FACILITY Manufacturing			7 FLOOR NAME OR NUMBER Ground Floor-Clean Rm			8 START DATE 3/90			9 DRAWING NUMBER OF PLANS SUBMITTED Air Emission Survey		
19 PERMIT TO CONSTRUCT ☒ NEW SOURCE ☐ EXISTING SOURCE			21 EXISTING TO EXISTING ☒ EXISTING SOURCE ☐ EXISTING SOURCE			23 EXISTING TO EXISTING ☒ EXISTING SOURCE ☐ EXISTING SOURCE			24 EXISTING TO EXISTING ☒ EXISTING SOURCE ☐ EXISTING SOURCE		

25 EMISSIONS (LB/HR)	26 EMISSIONS (LB/HR)	27 EMISSIONS (LB/HR)	28 EMISSIONS (LB/HR)	29 EMISSIONS (LB/HR)	30 EMISSIONS (LB/HR)	31 EMISSIONS (LB/HR)	32 EMISSIONS (LB/HR)	33 EMISSIONS (LB/HR)	34 EMISSIONS (LB/HR)	35 EMISSIONS (LB/HR)	36 EMISSIONS (LB/HR)	37 EMISSIONS (LB/HR)	38 EMISSIONS (LB/HR)	39 EMISSIONS (LB/HR)	40 EMISSIONS (LB/HR)	41 EMISSIONS (LB/HR)	42 EMISSIONS (LB/HR)	43 EMISSIONS (LB/HR)	44 EMISSIONS (LB/HR)	45 EMISSIONS (LB/HR)	46 EMISSIONS (LB/HR)	47 EMISSIONS (LB/HR)	48 EMISSIONS (LB/HR)	49 EMISSIONS (LB/HR)	50 EMISSIONS (LB/HR)	51 EMISSIONS (LB/HR)	52 EMISSIONS (LB/HR)	53 EMISSIONS (LB/HR)	54 EMISSIONS (LB/HR)	55 EMISSIONS (LB/HR)	56 EMISSIONS (LB/HR)	57 EMISSIONS (LB/HR)	58 EMISSIONS (LB/HR)	59 EMISSIONS (LB/HR)	60 EMISSIONS (LB/HR)	61 EMISSIONS (LB/HR)	62 EMISSIONS (LB/HR)	63 EMISSIONS (LB/HR)	64 EMISSIONS (LB/HR)	65 EMISSIONS (LB/HR)	66 EMISSIONS (LB/HR)	67 EMISSIONS (LB/HR)	68 EMISSIONS (LB/HR)	69 EMISSIONS (LB/HR)	70 EMISSIONS (LB/HR)	71 EMISSIONS (LB/HR)	72 EMISSIONS (LB/HR)	73 EMISSIONS (LB/HR)	74 EMISSIONS (LB/HR)	75 EMISSIONS (LB/HR)	76 EMISSIONS (LB/HR)	77 EMISSIONS (LB/HR)	78 EMISSIONS (LB/HR)	79 EMISSIONS (LB/HR)	80 EMISSIONS (LB/HR)	81 EMISSIONS (LB/HR)	82 EMISSIONS (LB/HR)	83 EMISSIONS (LB/HR)	84 EMISSIONS (LB/HR)	85 EMISSIONS (LB/HR)	86 EMISSIONS (LB/HR)	87 EMISSIONS (LB/HR)	88 EMISSIONS (LB/HR)	89 EMISSIONS (LB/HR)	90 EMISSIONS (LB/HR)	91 EMISSIONS (LB/HR)	92 EMISSIONS (LB/HR)	93 EMISSIONS (LB/HR)	94 EMISSIONS (LB/HR)	95 EMISSIONS (LB/HR)	96 EMISSIONS (LB/HR)	97 EMISSIONS (LB/HR)	98 EMISSIONS (LB/HR)	99 EMISSIONS (LB/HR)	100 EMISSIONS (LB/HR)
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1 NAME OF APPLICANT Watkins Johnson Atmospheric Furnace		2 NAME OF AUTHORITY/AGENCY Electric Furnace fires ceramic circuit chips	
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3 FURNACE CONTROL EQUIPMENT NO.	4 CONTROL TYPE	5 MANUFACTURER'S NAME AND MODEL NUMBER	6 DISPOSAL METHOD	7 DATE INSTALLED MONTH/YEAR	8 USEFUL LIFE
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9 CALCULATIONS See Calculation Sheet	
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S E C T I O N	CONTAMINANT	CAS NUMBER	INPUT OR PRODUCTION UNIT	UNIT	ENV RATING	EMISSIONS			% CONTROL EFFIC CY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (LB/HR)	
						ACTUAL	PERMISSIBLE	PERMISSIBLE		ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
F	Tarpieneol	98555	58	57	58	0.27	2.6	0	0.00027	0.00027	0.13	0	
	Trinethylpentanidiol	25265	71	72	73	0.091	2.6	0	0.000091	0.000091	0.044	0	
	Monoisobutyrate	25265	71	72	73	0.091	2.6	0	0.000091	0.000091	0.044	0	
	Petroleum Distillate	11273	109	109	110	0.056	2.6	0	0.000056	0.000056	0.027	0	
	Diethylene Glycol	11273	109	109	110	0.049	2.6	0	0.000049	0.000049	0.024	0	
F	Dibutyl Ether	80323	114	114	115	0.046	2.6	0	0.000046	0.000046	0.022	0	
	Mineral Spirits	80323	114	114	115	0.046	2.6	0	0.000046	0.000046	0.022	0	
	Ethyl Cellulose	90045	131	132	133	6.3	3.6	0	6.3	3.6	3.0	-3	

11 TYPE	12 LIQUID FUEL THOUSANDS OF GALLONS/HR	13 GAS THOUSANDS OF CUBIC FEET/HR	14 APPLICABLE RULE
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NOTES: 1. The applicant must submit a copy of this permit to the local health department. 2. The permit is valid for one year from the date of issuance. 3. The permit is subject to the terms and conditions of the Air Quality Act of 1967.

15 PERMIT TO CONSTRUCT		16 DATE APPL. RECEIVED		17 DATE APPL. REVIEWED		18 DATE APPL. APPROVED	
19 CERTIFICATE TO OPERATE		20 DATE APPL. RECEIVED		21 DATE APPL. REVIEWED		22 DATE APPL. APPROVED	

Continuation

DP	LOCATION	FACILITY	EMISSION POINT

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PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

[illegible][illegible]

2		7	
S E C C	DESCRIBE PROCEEDING UNIT	3	4
		5	6
		7	8

S E C D	EMISSION CONTROL TO EQUIPMENT	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
					MONTH / YEAR	
47	47	48		49	46 /	47
48	48	49		51	50 /	53

S E C T I O N E	CALCULATIONS

S	E	C	T	I	O	N	F	CONTAMINANT		INPUT OF PRODUCTION	UNIT	ENV RATING	EMISSIONS				% CONTROL EFFIC CV	HOURLY EMISSIONS & RATIO		ANNUAL EMISSIONS (LBS/YR)		
								CAS NUMBER	ACTUAL				UNIT	ENV RATING	PERMISSIBLE	ACT		ENV	ACTUAL	ACTUAL	ACT	PERMISSIBLE
								Dibutyl Phthalate	84742	58	58	58	4.6	3	6	0	4.6x10 ⁻⁶	4.6x10 ⁻⁶	2.2	-3		
								Aminopropyltriethoxy-Silane	919302	58	58	58	4.6	3	6	0	4.6x10 ⁻⁶	4.6x10 ⁻⁶	2.2	-3		
								Aliphatic Amine		58	58	58	2.7	3	6	0	2.7x10 ⁻⁶	2.7x10 ⁻⁶	1.3	-3		
								Aromatic Ether		105	105	105	1.9	3	6	0	1.9x10 ⁻⁶	1.9x10 ⁻⁶	0.89	-3		
								Ammonium Hydroxide	1336216	133	133	133	8.8	3	6	0	8.8x10 ⁻⁷	8.8x10 ⁻⁷	0.42	-3		

S E C	WOOD PULP		LIQUID FUEL		OIL		APPLICABLE RULE
	TYPE	THOUSANDS OF CUBIC FEET	TYPE	THOUSANDS OF GALLONS	TYPE	THOUSANDS OF GALLONS	
101	101	101	101	101	101	101	101

The following facts are taken from the statement of fact furnished to the appropriate local representative:

THE FORMER COMMUNITY VENTILATION SYSTEM HAS BEEN DISCONTINUED AND WILL BE CONTINUED BY ACCIDENTALLY WITH STAFFS OF THE VENTILATION SYSTEM. WHILE ALL PERSONS WHOSE A VENTILATION SYSTEM IS

101 NAME AND ADDRESS	102 DATE RECEIVED	103 NAME AND ADDRESS	104 DATE RECEIVED	105 NAME AND ADDRESS	106 DATE RECEIVED	107 NAME AND ADDRESS	108 DATE RECEIVED	109 NAME AND ADDRESS	110 DATE RECEIVED	111 NAME AND ADDRESS	112 DATE RECEIVED	113 NAME AND ADDRESS	114 DATE RECEIVED	115 NAME AND ADDRESS	116 DATE RECEIVED	117 NAME AND ADDRESS	118 DATE RECEIVED	119 NAME AND ADDRESS	120 DATE RECEIVED	121 NAME AND ADDRESS	122 DATE RECEIVED	123 NAME AND ADDRESS	124 DATE RECEIVED	125 NAME AND ADDRESS	126 DATE RECEIVED	127 NAME AND ADDRESS	128 DATE RECEIVED	129 NAME AND ADDRESS	130 DATE RECEIVED	131 NAME AND ADDRESS	132 DATE RECEIVED	133 NAME AND ADDRESS	134 DATE RECEIVED	135 NAME AND ADDRESS	136 DATE RECEIVED	137 NAME AND ADDRESS	138 DATE RECEIVED	139 NAME AND ADDRESS	140 DATE RECEIVED	141 NAME AND ADDRESS	142 DATE RECEIVED	143 NAME AND ADDRESS	144 DATE RECEIVED	145 NAME AND ADDRESS	146 DATE RECEIVED	147 NAME AND ADDRESS	148 DATE RECEIVED	149 NAME AND ADDRESS	150 DATE RECEIVED	151 NAME AND ADDRESS	152 DATE RECEIVED	153 NAME AND ADDRESS	154 DATE RECEIVED	155 NAME AND ADDRESS	156 DATE RECEIVED	157 NAME AND ADDRESS	158 DATE RECEIVED	159 NAME AND ADDRESS	160 DATE RECEIVED	161 NAME AND ADDRESS	162 DATE RECEIVED	163 NAME AND ADDRESS	164 DATE RECEIVED	165 NAME AND ADDRESS	166 DATE RECEIVED	167 NAME AND ADDRESS	168 DATE RECEIVED	169 NAME AND ADDRESS	170 DATE RECEIVED	171 NAME AND ADDRESS	172 DATE RECEIVED	173 NAME AND ADDRESS	174 DATE RECEIVED	175 NAME AND ADDRESS	176 DATE RECEIVED	177 NAME AND ADDRESS	178 DATE RECEIVED	179 NAME AND ADDRESS	180 DATE RECEIVED	181 NAME AND ADDRESS	182 DATE RECEIVED	183 NAME AND ADDRESS	184 DATE RECEIVED	185 NAME AND ADDRESS	186 DATE RECEIVED	187 NAME AND ADDRESS	188 DATE RECEIVED	189 NAME AND ADDRESS	190 DATE RECEIVED	191 NAME AND ADDRESS	192 DATE RECEIVED	193 NAME AND ADDRESS	194 DATE RECEIVED	195 NAME AND ADDRESS	196 DATE RECEIVED	197 NAME AND ADDRESS	198 DATE RECEIVED	199 NAME AND ADDRESS	200 DATE RECEIVED
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PERMIT TO CONSTRUCT				1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT	
DATE OF PERMIT		DATE OF EXPIRATION DATE		2. THIS IS NOT A CERTIFICATE TO OPERATE	
10A SIGNATURE OF APPLICANT		10B TEST		3. TESTS AND/OR ADDITIONAL PARAMETER CONTROL ELEMENTS MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE	

CERTIFICATE TO OPERATE 1. ☐ REPLACEMENT _____ DATE _____ 2. ☐ RENTAL _____ EXEMPTED _____ EXEMPTED _____ EXEMPTED _____ EXEMPTED _____ 3. ☐ ISSUE _____ CERTIFICATE _____ TO _____ OPERATE _____ FOR _____ BOATING _____ AS _____ BUILT _____ 4. ☐ APPLICATION _____ FOR _____ C.O. DENIED _____			
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DATE		TIME	
1	DATE	2	TIME
3	DATE	4	TIME
5	DATE	6	TIME
7	DATE	8	TIME
9	DATE	10	TIME
11	DATE	12	TIME
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25	DATE	26	TIME
27	DATE	28	TIME
29	DATE	30	TIME
31	DATE	32	TIME
33	DATE	34	TIME
35	DATE	36	TIME
37	DATE	38	TIME
39	DATE	40	TIME
41	DATE	42	TIME
43	DATE	44	TIME
45	DATE	46	TIME
47	DATE	48	TIME
49	DATE	50	TIME
51	DATE	52	TIME
53	DATE	54	TIME
55	DATE	56	TIME
57	DATE	58	TIME
59	DATE	60	TIME
61	DATE	62	TIME
63	DATE	64	TIME
65	DATE	66	TIME
67	DATE	68	TIME
69	DATE	70	TIME
71	DATE	72	TIME
73	DATE	74	TIME
75	DATE	76	TIME
77	DATE	78	TIME
79	DATE	80	TIME
81	DATE	82	TIME
83	DATE	84	TIME
85	DATE	86	TIME
87	DATE	88	TIME
89	DATE	90	TIME
91	DATE	92	TIME
93	DATE	94	TIME
95	DATE	96	TIME
97	DATE	98	TIME
99	DATE	100	TIME

OF LOCATION FACILITY EMISSION POINT

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E CHANGE
D DELETE

READ INSTRUCTIONS
CONTAINED IN
FORM 70.11-12
BEFORE ANSWERING
ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM Unisys Corporation			9 NAME OF AUTHORIZED AGENT H2M Group, P.C.			10 TELEPHONE 516-756-8000			19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)		
2 NUMBER AND STREET ADDRESS Marcus Avenue			11 NUMBER AND STREET ADDRESS 575 Broad Hollow Road			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS)			21 CITY-TOWN-VILLAGE		
3 CITY-TOWN-VILLAGE Great Neck			4 STATE NY			5 ZIP 11020			22 ZIP		
6 OWNER CLASSIFICATION ☐ STATE ☐ HOSPITAL ☐ COMMERCIAL ☐ UTILITY ☐ MUNICIPAL ☐ RESIDENTIAL ☒ INDUSTRIAL ☐ FEDERAL ☐ EDUC INST ☐ OTHER			12 CITY-TOWN-VILLAGE Malville			13 STATE NY			14 ZIP 11747		
7 NAME & TITLE OF OWNERS REPRESENTATIVE			15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION John J. Molloy, P.E.			16 NYS P.E. OR ARCHITECT LICENSE NO 055141			17 TELEPHONE 756-8000		
18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR PERMIT TO CONSTRUCT			23 BUILDING NAME OR NUMBER Manufacturing			24 FLOOR NAME OR NUMBER Ground Floor-Clean Rm.			25 START UP DATE 3/90		
26 PERMIT TO CONSTRUCT ☒ NEW SOURCE ☐ MODIFICATION			27 CERTIFICATE TO OPERATE ☒ NEW SOURCE ☐ EXISTING SOURCE ☐ MODIFICATION			28 DRAWING NUMBERS OF PLANS SUBMITTED Air Emission Survey			29		

29 EMISSION POINT ID EP 004	30 GROUND ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURES (FT)	32 STACK HEIGHT (FT)	33 INSIDE DIMENSIONS (IN)	34 EXIT TEMPERATURE	35 EXIT VELOCITY (FT/SEC)	36 FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON Winter Spring Summer Fall
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S E C T I O N 4	41 DESCRIBE PROCESS OR UNIT BTU Sealing Furnace	42	43	44	45	46	47
	48	49	50	51	52	53	54
	55 Gold/tin braze applied to seal circuit chip packages.						
	56 No flux is utilized.						

EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42	43	44	45	46	47
48	49	50	51	52	53

57 CALCULATIONS

CONTAMINANT	NAME	CAS NUMBER	INPUT OR PRODUCTION UNIT	ENV RATING	EMISSIONS		PERMISSIBLE	% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/Hr)		ANNUAL EMISSIONS (LBS/YR)		PERMISSIBLE
					ACTUAL	UNIT			ACTUAL	UNIT	ACTUAL	UNIT	
58	59	60	61	62	63	64	65	66	67	68	69	70	71
Particulate		NY 075-00-0			Trace	16		0	Trace	Trace	-	-	
72	73	74	75	76	77	78	79	80	81	82	83	84	85
86	87	88	89	90	91	92	93	94	95	96	97	98	99
100	101	102	103	104	105	106	107	108	109	110	111	112	113
114	115	116	117	118	119	120	121	122	123	124	125	126	127
128	129	130	131	132	133	134	135	136	137	138	139	140	141

SOLID FUEL TONS/YR		LIQUID FUEL THOUSANDS OF GALLONS/YR		GAS THOUSANDS OF CF/YR		APPLICABLE RULE
142	143	144	145	146	147	148

Upon completion of construction sign the statement listed below and forward to the appropriate field representative. THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

149 LOCATION CODE	150 FACILITY ID NO	151 UTM (E)	152 UTM (N)	153 SIC NUMBER	154 DATE APPL RECEIVED	155 DATE APPL REVIEWED	156 REVIEWED BY
-------------------	--------------------	-------------	-------------	----------------	------------------------	------------------------	-----------------

157 PERMIT TO CONSTRUCT			
158 DATE ISSUED	159 EXPIRATION DATE	160 SIGNATURE OF APPROVAL	161 FEE

162 CERTIFICATE TO OPERATE			
163 DATE ISSUED	164 EXPIRATION DATE	165 SIGNATURE OF APPROVAL	166 FEE

167 SPECIAL CONDITIONS:	
1	2
3	4
5	6
7	8

OP LOCATION FACILITY EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
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GREEN DIVISION OF AIR
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WHITE FIELD REP
YELLOW APPLICANT



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF TOWN OR CITY Unisys Corporation				2 NAME OF AUTHORIZED AGENT H2M Group, P.C.				3 TELEPHONE 516-756-8000				4 FACILITY NAME IF DIFFERENT FROM OWNER'S NAME			
5 ADDRESS AND STREET ADDRESS Marcus Avenue M/S IP 10				6 ADDRESS AND STREET ADDRESS 575 Broad Hollow Road				7 FACILITY LOCATION (NUMBER AND STREET ADDRESS)				8 FACILITY LOCATION (NUMBER AND STREET ADDRESS)			
9 CITY, TOWN, VILLAGE Great Neck				10 STATE NY				11 ZIP 11020				12 CITY, TOWN, VILLAGE Malville			
13 STATE NY				14 ZIP 11747				15 BUSINESS NAME OR NUMBER Manufacturing				16 FLOOR NAME OR NUMBER Ground Floor-Clean Rm			
17 NAME OF THE PERSON TO BE CONTACTED John J. Molloy, P.E.				18 TITLE OF THE PERSON TO BE CONTACTED 055141				19 TELEPHONE 756-8000				20 AIR EMISSION SURVEY 3/90			
21 SIGNATURE OF APPLICANT Laurence F. Miles				22 SIGNATURE OF AUTHORIZED AGENT <i>[Signature]</i>				23 DATE OF CONSTRUCTION 3/90				24 DATE OF OPERATION 3/90			

25 EMISSIONS (LBS/YR)	26 EMISSIONS (LBS/YR)	27 EMISSIONS (LBS/YR)	28 EMISSIONS (LBS/YR)	29 EMISSIONS (LBS/YR)	30 EMISSIONS (LBS/YR)	31 EMISSIONS (LBS/YR)	32 EMISSIONS (LBS/YR)	33 EMISSIONS (LBS/YR)	34 EMISSIONS (LBS/YR)	35 EMISSIONS (LBS/YR)	36 EMISSIONS (LBS/YR)	37 EMISSIONS (LBS/YR)	38 EMISSIONS (LBS/YR)	39 EMISSIONS (LBS/YR)	40 EMISSIONS (LBS/YR)	41 EMISSIONS (LBS/YR)	42 EMISSIONS (LBS/YR)	43 EMISSIONS (LBS/YR)	44 EMISSIONS (LBS/YR)	45 EMISSIONS (LBS/YR)	46 EMISSIONS (LBS/YR)	47 EMISSIONS (LBS/YR)	48 EMISSIONS (LBS/YR)	49 EMISSIONS (LBS/YR)	50 EMISSIONS (LBS/YR)	51 EMISSIONS (LBS/YR)	52 EMISSIONS (LBS/YR)	53 EMISSIONS (LBS/YR)	54 EMISSIONS (LBS/YR)	55 EMISSIONS (LBS/YR)	56 EMISSIONS (LBS/YR)	57 EMISSIONS (LBS/YR)	58 EMISSIONS (LBS/YR)	59 EMISSIONS (LBS/YR)	60 EMISSIONS (LBS/YR)	61 EMISSIONS (LBS/YR)	62 EMISSIONS (LBS/YR)	63 EMISSIONS (LBS/YR)	64 EMISSIONS (LBS/YR)	65 EMISSIONS (LBS/YR)	66 EMISSIONS (LBS/YR)	67 EMISSIONS (LBS/YR)	68 EMISSIONS (LBS/YR)	69 EMISSIONS (LBS/YR)	70 EMISSIONS (LBS/YR)	71 EMISSIONS (LBS/YR)	72 EMISSIONS (LBS/YR)	73 EMISSIONS (LBS/YR)	74 EMISSIONS (LBS/YR)	75 EMISSIONS (LBS/YR)	76 EMISSIONS (LBS/YR)	77 EMISSIONS (LBS/YR)	78 EMISSIONS (LBS/YR)	79 EMISSIONS (LBS/YR)	80 EMISSIONS (LBS/YR)	81 EMISSIONS (LBS/YR)	82 EMISSIONS (LBS/YR)	83 EMISSIONS (LBS/YR)	84 EMISSIONS (LBS/YR)	85 EMISSIONS (LBS/YR)	86 EMISSIONS (LBS/YR)	87 EMISSIONS (LBS/YR)	88 EMISSIONS (LBS/YR)	89 EMISSIONS (LBS/YR)	90 EMISSIONS (LBS/YR)	91 EMISSIONS (LBS/YR)	92 EMISSIONS (LBS/YR)	93 EMISSIONS (LBS/YR)	94 EMISSIONS (LBS/YR)	95 EMISSIONS (LBS/YR)	96 EMISSIONS (LBS/YR)	97 EMISSIONS (LBS/YR)	98 EMISSIONS (LBS/YR)	99 EMISSIONS (LBS/YR)	100 EMISSIONS (LBS/YR)
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71 NAME OF TOWN OR CITY Watkins Johnson Atmospheric Furnace, Electric		72 NAME OF AUTHORIZED AGENT furnace fires ceramic chips.		73 TELEPHONE 		74 FACILITY NAME IF DIFFERENT FROM OWNER'S NAME	
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75 EMISSIONS (LBS/YR)	76 EMISSIONS (LBS/YR)	77 EMISSIONS (LBS/YR)	78 EMISSIONS (LBS/YR)	79 EMISSIONS (LBS/YR)	80 EMISSIONS (LBS/YR)	81 EMISSIONS (LBS/YR)	82 EMISSIONS (LBS/YR)	83 EMISSIONS (LBS/YR)	84 EMISSIONS (LBS/YR)	85 EMISSIONS (LBS/YR)	86 EMISSIONS (LBS/YR)	87 EMISSIONS (LBS/YR)	88 EMISSIONS (LBS/YR)	89 EMISSIONS (LBS/YR)	90 EMISSIONS (LBS/YR)	91 EMISSIONS (LBS/YR)	92 EMISSIONS (LBS/YR)	93 EMISSIONS (LBS/YR)	94 EMISSIONS (LBS/YR)	95 EMISSIONS (LBS/YR)	96 EMISSIONS (LBS/YR)	97 EMISSIONS (LBS/YR)	98 EMISSIONS (LBS/YR)	99 EMISSIONS (LBS/YR)	100 EMISSIONS (LBS/YR)
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75 NAME OF TOWN OR CITY See Calculation Sheet 5		76 NAME OF AUTHORIZED AGENT 		77 TELEPHONE 		78 FACILITY NAME IF DIFFERENT FROM OWNER'S NAME	
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CONTAMINANT	NAME	EAC NUMBER	INPUT FUEL (LBS/YR)	UNIT	ENV. RATING	EMISSIONS				% CONTROLS EFFIC. CV	ACTUAL EMISSIONS (LBS/YR)		PERMISSIBLE EMISSIONS (LBS/YR)	
						ACTUAL	UNIT	NEW QTY.	PERMISSIBLE		ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
Tarpineol		9 8 5 5 5				0.27	2	6	0	0	0.00027	0.00027	0.13	0
Trimethylpentanediol						0.091	2	6	0	0	0.000091	0.000091	0.04	0
Monoisobutylate		2 5 2 6 5 7 7 4				0.056	2	6	0	0	0.000056	0.000056	0.02	0
Petroleum Distillate						0.049	2	6	0	0	0.000049	0.000049	0.024	0
Diethylene Glycol		1 1 2 7 3 2				0.046	2	6	0	0	0.000046	0.000046	0.022	0
Dibutyl Ether						6.3	3	6	0	0	6.3	3.0	-3	-3
Mineral Spirits		8 0 3 2 3 2 4												
Ethyl Cellulose		9 0 0 4 5 7 3												

79 TYPE	80 NAME OF TOWN OR CITY	81 NAME OF AUTHORIZED AGENT	82 TELEPHONE	83 FACILITY NAME IF DIFFERENT FROM OWNER'S NAME
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84 NAME OF TOWN OR CITY	85 NAME OF AUTHORIZED AGENT	86 TELEPHONE	87 FACILITY NAME IF DIFFERENT FROM OWNER'S NAME
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88 PERMIT TO CONSTRUCT		89 DATE OF CONSTRUCTION		90 DATE OF OPERATION	
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91 CERTIFICATE TO OPERATE		92 DATE OF CONSTRUCTION		93 DATE OF OPERATION	
---------------------------	--	-------------------------	--	----------------------	--

94 NAME OF TOWN OR CITY		95 NAME OF AUTHORIZED AGENT		96 TELEPHONE		97 FACILITY NAME IF DIFFERENT FROM OWNER'S NAME	
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APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE[illegible]

OP LOCATION FACILITY EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT

PROCESS, EXHAUST OR VENTILATION SYSTEM
APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM
Unisys Corporation

2 NAME AND STREET ADDRESS
Marcus Avenue M/S IP 10

3 CITY-TOWN-VILLAGE
Great Neck

4 STATE
NY

5 ZIP
11020

6 OWNER CLASSIFICATION
A [] COMMERCIAL C [] UTILITY F [] MUNICIPAL
B [X] INDUSTRIAL D [] FEDERAL G [] EDUC INST J [] OTHER

7 NAME & TITLE OF OWNERS REPRESENTATIVE
Laurence F. Miles

8 NAME OF AUTHORIZED AGENT
H2M Group, P.C.

9 NUMBER AND STREET ADDRESS
575 Broad Hollow Road

10 CITY-TOWN-VILLAGE
Malville

11 STATE
NY

12 ZIP
11747

13 NAME OF P.E. OR ARCHITECT
John J. Molloy, P.E.

14 NYS PE OR ARCHITECT LICENSE NO.
055141

15 TELEPHONE
756-8000

16 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)

17 FACILITY LOCATION (NUMBER AND STREET ADDRESS)

18 CITY-TOWN-VILLAGE

19 ZIP

20 BUILDING NAME OR NUMBER

21 FLOOR NAME OR NUMBER
Ground Floor-Clean Rm

22 START UP DATE
3/90

23 DRAWING NUMBERS OF PLANS SUBMITTED
Air Emission Survey

24 PERMIT TO CONSTRUCT
A [X] NEW SOURCE
R [] MODIFICATION

25 CERTIFICATE TO OPERATE
A [X] NEW SOURCE C [] EXISTING SOURCE
R [] MODIFICATION

26 EMISSION POINT ID
EP005

27 GROUND ELEVATION (FT)
127

28 HEIGHT ABOVE STRUCTURES (FT)
6

29 STACK HEIGHT (FT)
34

30 INSIDE DIMENSIONS (IN)
12

31 EXIT VELOCITY (FT/SEC)
72

32 EXIT FLOW RATE (ACFM)
21

33 SOURCE CODE

34 HRS/DAY
4

35 DAYS/YR
100

36 % OPERATION BY SEASON
Winter 2/5 Spring 2/5 Summer 2/5 Fall 2/5

37 DESCRIBE PROCESS OR UNIT
Hood near double sinks. Small part cleaning.

38 EMISSION CONTROL EQUIPMENT ID
42

39 CONTROL TYPE
43

40 MANUFACTURER'S NAME AND MODEL NUMBER
44

41 DISPOSAL METHOD
45

42 DATE INSTALLED MONTH / YEAR
46

43 USEFUL LIFE
47

44 CALCULATIONS
See Calculation Sheet 1

CONTAMINANT NAME	CAS NUMBER	INPUT OR PRODUCTION (LBS/HR)	ENV. RATING	EMISSIONS				% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
				ACTUAL	UNIT	PERMISSIBLE	CONTROL		ERP	ACTUAL	ACTUAL	PERMISSIBLE
1,1,1-Trichloroethane	71-55-6	56	57	0.031	1	6	0	0	0.031	0.031	1.2	1
1,4-Diethylene Dioxide	123-91-1	71	72	0.00046	1	6	0	0	0.00046	0.00046	1.8	0
Glycol Methylene Ether	646-06-0	86	87	0.00043	1	6	0	0	0.00043	0.00043	0.17	0
2-Butanol	78-92-2	100	101	0.00043	1	6	0	0	0.00043	0.00043	0.17	0
2-Propanol	67-63-0	116	117	0.020	1	6	0	0	0.020	0.020	8.0	0
Trichlorotrifluoroethane	76-13-1	131	132	0.036	1	6	0	0	0.036	0.036	14.4	0

48 TYPE
49 SOLID FUEL TONS/YR
50 TYPE
51 LIQUID FUEL THOUSANDS OF GALLONS/YR
52 TYPE
53 GAS THOUSANDS OF CF/YR
54 APPLICABLE RULE

55 SIGNATURE OF APPLICANT OR AGENT

56 LOCATION CODE
57 FACILITY ID NO
58 UTM (E)
59 UTM (N)
60 SIC NUMBER
61 DATE APPL RECEIVED
62 DATE APPL REVIEWED

63 PERMIT TO CONSTRUCT

64 DATE ISSUED
65 EXPIRATION DATE
66 SIGNATURE OF APPROVAL
67 FEE

68 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
69 THIS IS NOT A CERTIFICATE TO OPERATE
70 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

71 CERTIFICATE TO OPERATE

72 DATE ISSUED
73 EXPIRATION DATE
74 SIGNATURE OF APPROVAL
75 FEE

76 INSPECTED BY
77 INSPECTION DISCLOSED DIFFERENCE AS BUILT VS. PERMIT, CHANGES INDICATED ON FORM
78 ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
79 APPLICATION FOR C.O. DENIED

80 SPECIAL CONDITIONS

Continuation

DP	LOCATION	FACILITY	EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
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 WHITE - REGIONAL OFFICE
 WHITE - FIELD REP
 YELLOW - APPLICANT

A ADD
 C CHANGE
 D DELETE

READ INSTRUCTIONS
 CONTAINED IN THE
 FORM 76-17-12
 BEFORE ANSWERING
 ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM Unisys Corporation			9 NAME OF AUTHORIZED AGENT			10 TELEPHONE			19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)		
2 NUMBER AND STREET ADDRESS Marcus Avenue M/S IP 10			11 NUMBER AND STREET ADDRESS			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS)			21 CITY-TOWN-VILLAGE		
3 CITY-TOWN-VILLAGE Great Neck			4 STATE NY			5 ZIP 11020			22 ZIP		
6 OWNER CLASSIFICATION ☐ COMMERCIAL ☐ UTILITY ☐ MUNICIPAL ☐ RESIDENTIAL ☐ INDUSTRIAL ☐ FEDERAL ☐ EDUC INST ☐ OTHER			7 NAME & TITLE OF OWNERS REPRESENTATIVE			8 TELEPHONE			12 CITY-TOWN-VILLAGE John J. Molloy, P.E.		
13 STATE NY			14 ZIP 055141			15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION			16 NYS P.E. OR ARCHITECT LICENSE NO.		
17 PERMIT TO CONSTRUCT ☐ NEW SOURCE ☐ MODIFICATION			18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLICANT FOR PERMIT TO CONSTRUCT			23 START UP DATE			24 DRAWING NUMBERS OF PLANS SUBMITTED		
25 CERTIFICATE TO OPERATE ☐ NEW SOURCE ☐ EXISTING SOURCE ☐ MODIFICATION			26 PERMIT TO CONSTRUCT ☐ NEW SOURCE ☐ EXISTING SOURCE ☐ MODIFICATION			27 SIGNATURE OF AGENT			28 SIGNATURE OF AGENT		

29 EMISSION POINT ID EP005	30 GROUND ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURE (FT)	32 STACK HEIGHT (FT)	33 INSIDE DIMENSIONS (IN)	34 EXIT TEMP (°F)	35 EXIT VELOCITY (FT/SEC)	36 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON Winter Spring Summer Fall
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41 DESCRIBE PROCESS OR UNIT	42	43	44	45	46	47
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EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
48	49	50	51	52	53

CALCULATIONS

CONTAMINANT	NAME	CAS NUMBER	INPUT OF PRODUCTION	UNIT	ENV RATING	EMISSIONS		CONTROL EFFIC %	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
						ACTUAL	PERMISSIBLE		ERP	ACTUAL	ACTUAL	PERMISSIBLE
54	Methyl Alcohol	67-56-1	55	56	57	58	59	60	61	62	63	64
65	Nitromethane	75-52-5	66	67	68	69	70	71	72	73	74	75
76			77	78	79	80	81	82	83	84	85	86
87			88	89	90	91	92	93	94	95	96	97
98			99	100	101	102	103	104	105	106	107	108
109			110	111	112	113	114	115	116	117	118	119
120			121	122	123	124	125	126	127	128	129	130

SOLID FUEL TONS/YR		LIQUID FUEL THOUSANDS OF GALLONS/YR		GAS THOUSANDS OF CF/YR		APPLICABLE RULE
131	132	133	134	135	136	137

Upon completion of construction sign the statement listed below and forward to the appropriate field representative. THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

138 LOCATION CODE	139 FACILITY ID. NO.	140 UTM (E)	141 UTM (N)	142 SIC NUMBER	143 DATE APPL RECEIVED	144 DATE APPL REVIEWED	145 REVIEWED BY
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PERMIT TO CONSTRUCT			
146 DATE INST	147 EXPIRATION DATE	148 SIGNATURE OF APPROVAL	149 FEE

CERTIFICATE TO OPERATE			
150 DATE ISSUED	151 EXPIRATION DATE	152 SIGNATURE OF APPROVAL	153 FEE

154 SPECIAL CONDITIONS:	
1	2
3	4
5	6
7	8

LOCATION FACILITY EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF TRADING FIRM Unise Corporation	4 NAME OF AUTHORIZED AGENT H2M Group, P.C.	16 TELEPHONE 516-756-8000	18 FACILITY NAME IF DIFFERENT FROM OWNER / FIRM
2 NUMBER AND STREET ADDRESS Marcus Avenue M/S IP 10	17 NUMBER AND STREET ADDRESS 575 Broad Hollow Road	19 FACILITY LOCATION NUMBER AND STREET ADDRESS	
3 CITY-TOWN-VILLAGE Great Neck	4 STATE NY	5 ZIP 11020	11 CITY-TOWN-VILLAGE Malville
6 OTHER CLASSIFICATION ☐ STATE ☐ HOSPITAL ☐ COMMERCIAL ☐ LITERARY ☐ MUNICIPAL ☐ RESIDENTIAL ☐ INDUSTRIAL ☐ FEDERAL ☐ PUBLIC WORKS ☐ OTHER	12 NAME OF FIRM OR ARCHITECT PREPARING APPLICATION John J. Molloy, P.E.	13 N.Y.S.P.E. OR ARCHITECT LICENSE NO. 055141	14 TELEPHONE 756-8000
15 SIGNATURE OF APPLICANT OR REPRESENTATIVE OF FIRM WITH AUTHORITY TO APPLY FOR PERMIT TO CONSTRUCT <i>Laurence P. Miles</i>	16 SIGNATURE OF APPLICANT OR REPRESENTATIVE OF FIRM WITH AUTHORITY TO APPLY FOR PERMIT TO CONSTRUCT <i>Laurence P. Miles</i>	17 SIGNATURE OF APPLICANT OR REPRESENTATIVE OF FIRM WITH AUTHORITY TO APPLY FOR PERMIT TO CONSTRUCT <i>Laurence P. Miles</i>	18 SIGNATURE OF APPLICANT OR REPRESENTATIVE OF FIRM WITH AUTHORITY TO APPLY FOR PERMIT TO CONSTRUCT <i>Laurence P. Miles</i>
19 SIGNATURE OF APPLICANT OR REPRESENTATIVE OF FIRM WITH AUTHORITY TO APPLY FOR PERMIT TO CONSTRUCT <i>Laurence P. Miles</i>	20 SIGNATURE OF APPLICANT OR REPRESENTATIVE OF FIRM WITH AUTHORITY TO APPLY FOR PERMIT TO CONSTRUCT <i>Laurence P. Miles</i>	21 SIGNATURE OF APPLICANT OR REPRESENTATIVE OF FIRM WITH AUTHORITY TO APPLY FOR PERMIT TO CONSTRUCT <i>Laurence P. Miles</i>	22 SIGNATURE OF APPLICANT OR REPRESENTATIVE OF FIRM WITH AUTHORITY TO APPLY FOR PERMIT TO CONSTRUCT <i>Laurence P. Miles</i>

23 EMISSION POINT NUMBER	24 EMISSION POINT NAME	25 EMISSION POINT TYPE	26 EMISSION POINT LOCATION	27 EMISSION POINT ELEVATION	28 EMISSION POINT DIRECTION	29 EMISSION POINT VELOCITY	30 EMISSION POINT RATE	31 EMISSION POINT TYPE	32 EMISSION POINT NAME	33 EMISSION POINT TYPE	34 EMISSION POINT LOCATION	35 EMISSION POINT ELEVATION	36 EMISSION POINT DIRECTION	37 EMISSION POINT VELOCITY	38 EMISSION POINT RATE
1	P 0 0 7	127	6	34	12	72	21	1000							

39 DESCRIBE PROCESS OR UNIT Hood to ventilate hot plate and solder pots	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
43	44	45	46	47	48
49	50	51	52	53	54

CALCULATIONS

Rosin Flux: Usage rate = 1 pint/yr, 63% volatile, 37% Rosin

63% Isopropyl Alcohol: ERP = (0.63) (7.47 lb/gal) (1 pint/yr) (1 gal/8 pints) (1 day/8 pints) (1 day/4 hrs) (1 yr/60 days) = 0.0025 lb/hr

37% Rosin: ERP = (0.37) (7.47 lb/gal) (1 pint/yr) (1 gal/8 pints) (1 day/4 hrs) (1 yr/60 days) = 0.0014 lb/hr

CONTAMINANT	NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS			% CONTROL EFFIC. CT	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
						ACTUAL	UNIT	PERMISSIBLE		ERP	ACTUAL	ACTUAL	PERMISSIBLE
Isopropyl Alcohol		67-63-0				0.0025	1	6	0	0.0025	0.0025	0.60	0
Rosin		8050-09-7				0.0014	1	6	0	0.0014	0.0014	0.34	0
Particulate		NY 0.75-0.0-0				Trace	1	6	0	Trace	Trace	-	-

SOLID FUEL TONS / YR	LIQUID FUEL THOUSANDS OF GALLONS / YR	GAS THOUSANDS OF CFYR	STUCCO	APPLICABLE RULE
141	142	143	144	145

When completed, the applicant must sign the statements below, and forward to the appropriate field representative. The permit for process, exhaust or ventilation system has been constructed and will be operated in accordance with stated specifications and applicable requirements with all requirements of existing local laws.

146 EMISSIONS REVIEWED	147 FACILITY REVIEWED	148 EMISSIONS REVIEWED	149 EMISSIONS REVIEWED	150 EMISSIONS REVIEWED	151 DATE APPL. RECEIVED	152 DATE APPL. REVIEWED
PERMIT TO CONSTRUCT 153 PERMIT TO CONSTRUCT 154 PERMIT TO CONSTRUCT 155 PERMIT TO CONSTRUCT 156 PERMIT TO CONSTRUCT 157 PERMIT TO CONSTRUCT 158 PERMIT TO CONSTRUCT 159 PERMIT TO CONSTRUCT 160 PERMIT TO CONSTRUCT 161 PERMIT TO CONSTRUCT 162 PERMIT TO CONSTRUCT 163 PERMIT TO CONSTRUCT 164 PERMIT TO CONSTRUCT 165 PERMIT TO CONSTRUCT 166 PERMIT TO CONSTRUCT 167 PERMIT TO CONSTRUCT 168 PERMIT TO CONSTRUCT 169 PERMIT TO CONSTRUCT 170 PERMIT TO CONSTRUCT 171 PERMIT TO CONSTRUCT 172 PERMIT TO CONSTRUCT 173 PERMIT TO CONSTRUCT 174 PERMIT TO CONSTRUCT 175 PERMIT TO CONSTRUCT 176 PERMIT TO CONSTRUCT 177 PERMIT TO CONSTRUCT 178 PERMIT TO CONSTRUCT 179 PERMIT TO CONSTRUCT 180 PERMIT TO CONSTRUCT 181 PERMIT TO CONSTRUCT 182 PERMIT TO CONSTRUCT 183 PERMIT TO CONSTRUCT 184 PERMIT TO CONSTRUCT 185 PERMIT TO CONSTRUCT 186 PERMIT TO CONSTRUCT 187 PERMIT TO CONSTRUCT 188 PERMIT TO CONSTRUCT 189 PERMIT TO CONSTRUCT 190 PERMIT TO CONSTRUCT 191 PERMIT TO CONSTRUCT 192 PERMIT TO CONSTRUCT 193 PERMIT TO CONSTRUCT 194 PERMIT TO CONSTRUCT 195 PERMIT TO CONSTRUCT 196 PERMIT TO CONSTRUCT 197 PERMIT TO CONSTRUCT 198 PERMIT TO CONSTRUCT 199 PERMIT TO CONSTRUCT 200 PERMIT TO CONSTRUCT						

173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER (FIRM) Unisys Corporation	4 NAME OF ARCHITECTURAL FIRM H2M Group, P.C.	15 TELEPHONE 516-756-8000	16 FACTORY NAME (IF DIFFERENT FROM OWNER FIRM)
2 PLANT AND STREET ADDRESS Marcus Avenue M/S IP 10	17 PLANT AND STREET ADDRESS 575 Broad Hollow Road	18 FACTORY LOCATION NUMBER AND STREET ADDRESS	
3 CITY-TOWN-VILLAGE Great Neck	19 CITY-TOWN-VILLAGE Melville	12 STATE NY	13 ZIP 11747
6 OWNER'S CLASSIFICATION ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H ☐ I ☐ J ☐ K ☐ L ☐ M ☐ N ☐ O ☐ P ☐ Q ☐ R ☐ S ☐ T ☐ U ☐ V ☐ W ☐ X ☐ Y ☐ Z ☐ AA ☐ AB ☐ AC ☐ AD ☐ AE ☐ AF ☐ AG ☐ AH ☐ AI ☐ AJ ☐ AK ☐ AL ☐ AM ☐ AN ☐ AO ☐ AP ☐ AQ ☐ AR ☐ AS ☐ AT ☐ AU ☐ AV ☐ AW ☐ AX ☐ AY ☐ AZ ☐ BA ☐ BB ☐ BC ☐ BD ☐ BE ☐ BF ☐ BG ☐ BH ☐ BI ☐ BJ ☐ BK ☐ BL ☐ BM ☐ BN ☐ BO ☐ BP ☐ BQ ☐ BR ☐ BS ☐ BT ☐ BU ☐ BV ☐ BW ☐ BX ☐ BY ☐ BZ ☐ CA ☐ CB ☐ CC ☐ CD ☐ CE ☐ CF ☐ CG ☐ CH ☐ CI ☐ CJ ☐ CK ☐ CL ☐ CM ☐ CN ☐ CO ☐ CP ☐ CQ ☐ CR ☐ CS ☐ CT ☐ CU ☐ CV ☐ CW ☐ CX ☐ CY ☐ CZ ☐ DA ☐ DB ☐ DC ☐ DD ☐ DE ☐ DF ☐ DG ☐ DH ☐ DI ☐ DJ ☐ DK ☐ DL ☐ DM ☐ DN ☐ DO ☐ DP ☐ DQ ☐ DR ☐ DS ☐ DT ☐ DU ☐ DV ☐ DW ☐ DX ☐ DY ☐ DZ ☐ EA ☐ EB ☐ EC ☐ ED ☐ EE ☐ EF ☐ EG ☐ EH ☐ EI ☐ EJ ☐ EK ☐ EL ☐ EM ☐ EN ☐ EO ☐ EP ☐ EQ ☐ ER ☐ ES ☐ ET ☐ EU ☐ EV ☐ EW ☐ EX ☐ EY ☐ EZ ☐ FA ☐ FB ☐ FC ☐ FD ☐ FE ☐ FF ☐ FG ☐ FH ☐ FI ☐ FJ ☐ FK ☐ FL ☐ FM ☐ FN ☐ FO ☐ FP ☐ FQ ☐ FR ☐ FS ☐ FT ☐ FU ☐ FV ☐ FW ☐ FX ☐ FY ☐ FZ ☐ GA ☐ GB ☐ GC ☐ GD ☐ GE ☐ GF ☐ GG ☐ GH ☐ GI ☐ GJ ☐ GK ☐ GL ☐ GM ☐ GN ☐ GO ☐ GP ☐ GQ ☐ GR ☐ GS ☐ GT ☐ GU ☐ GV ☐ GW ☐ GX ☐ GY ☐ GZ ☐ HA ☐ HB ☐ HC ☐ HD ☐ HE ☐ HF ☐ HG ☐ HH ☐ HI ☐ HJ ☐ HK ☐ HL ☐ HM ☐ HN ☐ HO ☐ HP ☐ HQ ☐ HR ☐ HS ☐ HT ☐ HU ☐ HV ☐ HW ☐ HX ☐ HY ☐ HZ ☐ IA ☐ IB ☐ IC ☐ ID ☐ IE ☐ IF ☐ IG ☐ IH ☐ II ☐ IJ ☐ IK ☐ IL ☐ IM ☐ IN ☐ IO ☐ IP ☐ IQ ☐ IR ☐ IS ☐ IT ☐ IU ☐ IV ☐ IW ☐ IX ☐ IY ☐ IZ ☐ JA ☐ JB ☐ JC ☐ JD ☐ JE ☐ JF ☐ JG ☐ JH ☐ JI ☐ JJ ☐ JK ☐ JL ☐ JM ☐ JN ☐ JO ☐ JP ☐ JQ ☐ JR ☐ JS ☐ JT ☐ JU ☐ JV ☐ JW ☐ JX ☐ JY ☐ JZ ☐ KA ☐ KB ☐ KC ☐ KD ☐ KE ☐ KF ☐ KG ☐ KH ☐ KI ☐ KJ ☐ KK ☐ KL ☐ KM ☐ KN ☐ KO ☐ KP ☐ KQ ☐ KR ☐ KS ☐ KT ☐ KU ☐ KV ☐ KW ☐ KX ☐ KY ☐ KZ ☐ LA ☐ LB ☐ LC ☐ LD ☐ LE ☐ LF ☐ LG ☐ LH ☐ LI ☐ LJ ☐ LK ☐ LL ☐ LM ☐ LN ☐ LO ☐ LP ☐ LQ ☐ LR ☐ LS ☐ LT ☐ LU ☐ LV ☐ LW ☐ LX ☐ LY ☐ LZ ☐ MA ☐ MB ☐ MC ☐ MD ☐ ME ☐ MF ☐ MG ☐ MH ☐ MI ☐ MJ ☐ MK ☐ ML ☐ MN ☐ MO ☐ MP ☐ MQ ☐ MR ☐ MS ☐ MT ☐ MU ☐ MV ☐ MW ☐ MX ☐ MY ☐ MZ ☐ NA ☐ NB ☐ NC ☐ ND ☐ NE ☐ NF ☐ NG ☐ NH ☐ NI ☐ NJ ☐ NK ☐ NL ☐ NM ☐ NO ☐ NP ☐ NQ ☐ NR ☐ NS ☐ NT ☐ NU ☐ NV ☐ NW ☐ NX ☐ NY ☐ NZ ☐ OA ☐ OB ☐ OC ☐ OD ☐ OE ☐ OF ☐ OG ☐ OH ☐ OI ☐ OJ ☐ OK ☐ OL ☐ OM ☐ ON ☐ OO ☐ OP ☐ OQ ☐ OR ☐ OS ☐ OT ☐ OU ☐ OV ☐ OW ☐ OX ☐ OY ☐ OZ ☐ PA ☐ PB ☐ PC ☐ PD ☐ PE ☐ PF ☐ PG ☐ PH ☐ PI ☐ PJ ☐ PK ☐ PL ☐ PM ☐ PN ☐ PO ☐ PP ☐ PQ ☐ PR ☐ PS ☐ PT ☐ PU ☐ PV ☐ PW ☐ PX ☐ PY ☐ PZ ☐ QA ☐ QB ☐ QC ☐ QD ☐ QE ☐ QF ☐ QG ☐ QH ☐ QI ☐ QJ ☐ QK ☐ QL ☐ QM ☐ QN ☐ QO ☐ QP ☐ QQ ☐ QR ☐ QS ☐ QT ☐ QU ☐ QV ☐ QW ☐ QX ☐ QY ☐ QZ ☐ RA ☐ RB ☐ RC ☐ RD ☐ RE ☐ RF ☐ RG ☐ RH ☐ RI ☐ RJ ☐ RK ☐ RL ☐ RM ☐ RN ☐ RO ☐ RP ☐ RQ ☐ RR ☐ RS ☐ RT ☐ RU ☐ RV ☐ RW ☐ RX ☐ RY ☐ RZ ☐ SA ☐ SB ☐ SC ☐ SD ☐ SE ☐ SF ☐ SG ☐ SH ☐ SI ☐ SJ ☐ SK ☐ SL ☐ SM ☐ SN ☐ SO ☐ SP ☐ SQ ☐ SR ☐ SS ☐ ST ☐ SU ☐ SV ☐ SW ☐ SX ☐ SY ☐ SZ ☐ TA ☐ TB ☐ TC ☐ TD ☐ TE ☐ TF ☐ TG			

S E C B	1. NO. OF PAGES (1-4 DIGIT)			2. NO. OF PAGES EXCLUDING (1-4 DIGIT)	3. PERCENT ANALYZE (1-99 PERCENT)	4. STATUS (1-4 DIGIT)	5. NUMBER OF ANALYSTS (1-99)	6. EST. TIME (1-99)	7. EST. VOLUME IN SEC.	8. EST. FLOW RATE FACTOR	9. ON-TASK BY MONTH						
	E	P	O	08	127	6	34	12	72	21	1000	10 MOS./DAY	11 DAYS/YR	12 Winter	13 Spring	14 Summer	15 Fall
												4	60	2	2	2	2

7. DESCRIBE PRICE 38 OR UNIT		8.
5	SHALD Soldering	4
6		5
7		6
8		7

SEC D	EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
	43	43	44		45	46 /
48	48	50		51	52 /	53

SECT 10N E

CALCULATIONS

Rosin Flux: Usage rate = 1 pint/yr, 63% Volatile, 37% Rosin

63% Isopropyl Alcohol: ERP = (0.63) (7.47 lb/gal) (1 pint/yr) (1 gal/8 pints) (1 yr/60 days) (1 day/4 hrs)
= 0.0025 lb/hr

37% Rosin: ERP = (0.37) (7.47 lb/gal) (1 pint/yr) (1 gal/8 pints) (1 yr/60 days) (1 day/4 hrs) = 0.0014 lb/hr

[illegible]

SPEC	SOLID FUEL TONS/YR			LIQUID FUEL THOUSANDS OF GALLONS/YR			GAS THOUSANDS OF CF/YR			STUFF	APPLICABLE RULE																																																																																																																																																																																																																																																																																																																																																																																																																																				
	TYPE	QTY	NO. 8	TYPE	QTY	NO. 8	TYPE	QTY	NO. 8																																																																																																																																																																																																																																																																																																																																																																																																																																						
142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573

Upon completion of report, fill in the statement below, and forward in the appropriate field representative The following statement (or statement) is/are true and correct and will be maintained in confidence with stated routing, handling and/or dissemination instructions and/or dissemination of findings, results, etc.	YES ☒ NO ☐	DATE <u>4/1/78</u>
---	---	--------------------

101. PERMIT NUMBER		102. FACILITY NAME		103. CITY AND STATE		104. UTM (N)		105. RC NUMBER		106. DATE APPL. RECEIVED		107. DATE APPL. REVIEWED		108. COUNTY	
PERMIT TO CONSTRUCT 109. DATE ISSUED 110. EXPIRATION DATE 111. EXPIRATION BY APPROVAL 112. FEE 109. 110. 111. 112.															
1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2. THIS IS NOT A CERTIFICATE TO OPERATE 3. TESTS AND/OR ADDITIONAL FURNISH CONDITION EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE															

CERTIFICATE TO OPERATE ISSUED BY THE SECRETARY OF DEFENSE		1 ☐ ISSUED BY _____ DATE _____ 2 ☐ ISSUED BY _____ DATE _____ 3 ☐ ISSUED BY _____ DATE _____ 4 ☐ APPLICATION FOR C O DENIED _____ DATE _____ INITIALS _____
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1. SPECIAL EMPLOYMENT	
2.	3.
4.	5.
6.	7.
8.	9.
10.	11.

[illegible]

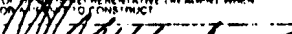
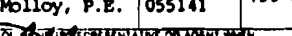
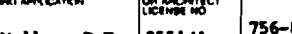
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PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

S E C T I O N A	1 NAME OF COMPANY OR FIRM Unisys Corporation			3 NAME OF APPLICANT OR AGENT H2M Group, P.C.			5 TELEPHONE 516-756-8000			7 FACILITY NAME OR DIFFERENT FROM OTHERS (FURN)		
	2 ADDRESS AND STREET ADDRESS Marcus Avenue M/S IP 10			4 NUMBER AND STREET ADDRESS 575 Broad Hollow Road						6 FACILITY LOCATION NUMBER AND STREET ADDRESS		
	8 CITY TOWN VILLAGE Great Neck			9 STATE NY			10 ZIP 11020			11 CITY TOWN VILLAGE Melville		
							12 STATE NY			13 ZIP 11747		
	14 OTHER PLANS/PERMITS ☐ COMMERCIAL ☐ CITY ☐ FEDERAL ☐ INDUSTRIAL ☐ MUNICIPAL ☐ OTHER			15 NAME OF FIRM OR ARCHITECT PREPARING APPLICATION John J. Molloy, P.E.			16 NYS P.E. OR ARCHITECT LICENSE NO. 055141			17 TELEPHONE 756-8000		
	18 DATE OF CITY TOWN VILLAGE REPRESENTATIVE APPROVAL Laurence F. Miles			19 SIGNATURE OF CITY TOWN VILLAGE REPRESENTATIVE 			20 SIGNATURE OF FIRM OR ARCHITECT 			21 SIGNATURE OF CITY TOWN VILLAGE REPRESENTATIVE 		
	22 CITY TOWN VILLAGE Great Neck			23 STATE NY			24 ZIP 11020			25 BUILDING NAME OR NUMBER Manufacturing		
										26 FLOOR NAME OR NUMBER Ground Floor-Clean R		
	27 START UP DATE 3/90			28 DRAWING NUMBER OF PLANS SUBMITTED Air Emission Survey			29 PERMIT TO CONSTRUCT ☒ NEW SOURCE ☐ MODIFICATION			30 CERTIFICATE TO OPERATE ☒ NEW SOURCE ☐ EXISTING SOURCE		

[illegible]

1		2	
S E C C	DESCRIBE PROCESS OR UNIT	1 Vapor Phase Soldering Unit	
		2	
		3	
		4	
		5	

S E C D	EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
		42	43	44	45	46 /
	48	49	50	51	52 /	53

SECTIO N E	CALCULATIONS See Calculation Sheet 3

S	CONTAMINANT		INPUT OF PRODUCTION	UNIT	EMISSIONS				% CONTROL EFFIC CY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (LB/YR)		
	NAME	FAS NUMBER			ACTUAL	UNIT	HOW DIR	PERMISSIBLE		EMI	ACTUAL	ACTUAL	10'	PERMISSIBLE
E	Trichlorotrifluoroethane	7 6 1 3 1	42	CT	24	25	26	27	28	29	30	31	32	33
C	Methylene Chloride	7 5 0 9 2	31	72	73	74	75	76	77	78	79	80	81	82
T	Perfluoro Compounds	8 6 5 0 8 4 2 1	88	87	88	89	90	91	92	93	94	95	96	97
I	Isopropyl Alcohol	6 7 6 3 0	100	102	100	104	105	106	107	108	109	110	111	112
O	Rosin	8 0 5 0 0 9 7	118	117	118	119	120	121	122	123	124	125	126	127
N	Particulate	NY 0 7 5 - 0 0 0	131	132	133	134	135	136	137	138	139	140	141	142

S E C T O R	SOLID FUEL TONS / YR			LIQUID FUEL THOUSANDS OF GALLONS/YR			GAS THOUSANDS OF CUBIC FT/YR			STREET	APPLICABLE RULE
	TYPE	NO	144	TYPE	NO	148	TYPE	NO	150		
144	145			147	149		151			152	

156 SIGNATURE OF THE PERSON RESPONSIBLE FOR THE COMPLIANCE OF THE SYSTEM (DATE)

146 LOCATION (FACILITY)	147 FACILITY (NO)	148 UTM (E)	149 UTM (N)	150 SEX: MALE/F	151 DATE APPL. RECEIVED	152 DATE APPL. REVIEWED	153 SIGNATURE

PERMIT TO CONSTRUCT				168
1. DATE ISSUED	2. EXPIRATION DATE	3. SIGNATURE OF APPLICANT	4. TYPE	1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2. THIS IS NOT A CERTIFICATE TO OPERATE 3. IF AFTER APPROVAL ADDITIONAL CIRCUMSTANCES REQUIRE IT MAY BE REOPENED WITHOUT THE ISSUANCE OF A CERTIFICATE TO OPERATE

CERTIFICATE TO OPERATE			
1. NAME OF THE VESSEL	2. EXPIRATION DATE	3. SIGNATURE OF APPROVAL	4. ISS
/ /	/ /		

5. ☐ INSPECTED BY	DATE
6. ☐ INSPECTION DISCLOSED DIFFERENCES AS SHIP VS. PRINT CHANGES INDICATED ON FORM	
7. ☐ ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS SHIP	
8. ☐ APPLICATION FOR C.O. DENIED	DATE INITIALS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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LOCATION FACILITY EMISSION POINT

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ADD
CHANGE
DELETE

READ INSTRUCTIONS
CONTAINED IN
FORM 78-11-12
BEFORE ANSWERING
ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM
APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM Unisys Corporation			9 NAME OF AUTHORIZED AGENT H2M Group, P.C.			10 TELEPHONE			16 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)		
2 NUMBER AND STREET ADDRESS Marcus Avenue M/S IP 10			11 NUMBER AND STREET ADDRESS 575 Broad Hollow Road			14 ZIP			20 FACILITY LOCATION (NUMBER AND STREET ADDRESS)		
3 CITY - TOWN - VILLAGE Great Neck			4 STATE NY			5 ZIP 11020			21 CITY - TOWN - VILLAGE		
6 OWNER CLASSIFICATION ☐ STATE ☐ HOSPITAL ☐ COMMERCIAL ☐ UTILITY ☐ MUNICIPAL ☐ RESIDENTIAL ☒ INDUSTRIAL ☐ FEDERAL ☐ EDUC INST ☐ OTHER			12 CITY - TOWN - VILLAGE Melville			13 STATE NY			14 ZIP 11747		
7 NAME & TITLE OF OWNER'S REPRESENTATIVE Laurence P. Miles			15 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION John J. Mollo, P.E.			16 NYS P.E. OR ARCHITECT LICENSE NO. 055141			17 TELEPHONE 756-8000		
8 TELEPHONE (516) 574-1121			18 SIGNATURE OF OWNER'S REPRESENTATIVE OR AGENT WHEN APPLICANT FOR PERMIT TO CONSTRUCT			19 PERMIT TO CONSTRUCT ☒ NEW SOURCE ☐ EXISTING SOURCE ☐ MODIFICATION			22 CERTIFICATE TO OPERATE ☒ NEW SOURCE ☐ EXISTING SOURCE ☐ MODIFICATION		
23 BUILDING NAME OR NUMBER			24 FLOOR NAME OR NUMBER			25 START UP DATE 3/90			26 DRAWING NUMBERS OF PLANS SUBMITTED Air Emission Survey		

27 EMISSION POINT ID EP006	28 EMISSION POINT TYPE 127	29 EMISSION POINT HEIGHT ABOVE STRUCTURE (FT) 6	30 STACK HEIGHT (FT) 34	31 INSIDE DIMENSIONS (IN) 12	32 EXISTING TEMPERATURE 72	33 EXISTING VELOCITY (FT/SEC) 21	34 EXISTING FLOW RATE (ACFM) 1000	35 SOURCE CODE	36 HRS/DAY 4	37 DAYS/YR 100	38 % OPERATION BY SEASON Winter Spring Summer Fall 25 25 25 25
--------------------------------------	--------------------------------------	---	-----------------------------------	--	--------------------------------------	--	---	----------------	------------------------	--------------------------	---

41 DESCRIBE PROCESS OR UNIT	1	Hood near double sinks. Small part cleaning.	
	2		
	3		
	4		

42 EMISSION CONTROL EQUIPMENT ID	43 CONTROL TYPE	44 MANUFACTURER'S NAME AND MODEL NUMBER	45 DISPOSAL METHOD	46 DATE INSTALLED MONTH / YEAR	47 USEFUL LIFE
48	49	50	51	52	53

CALCULATIONS

See Calculation Sheet 1

CONTAMINANT	NAME	CAS NUMBER	INPUT OF PRODUCTION	UNIT	ENV. RATING	EMISSIONS				CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HRI)		ANNUAL EMISSIONS (LBS/YR)	
						ACTUAL	UNIT	PERMISSIBLE			ERP	ACTUAL	ACTUAL	PERMISSIBLE
1,1,1-trichloroethane		7,1-55-6				0.031	1 6			0	0.031	0.031	1.2	1
1,4-Diethylene dioxide		123-91-1				0.00046	1 6			0	0.00046	0.00046	1.8	0
Glycol Methylene Ether		646-06-0				0.00043	1 6			0	0.00043	0.00043	0.17	0
2-Butanol		78-92-0				0.00043	1 6			0	0.00043	0.00043	0.17	0
2-Propanol		67-63-0				0.020	1 6			0	0.020	0.020	8.0	0
Trichlorotrifluoroethane		76-13-1				0.036	1 6			0	0.036	0.036	14.4	0

54 TYPE	55 SOLID FUEL TONS/YR	56 % S	57 TYPE	58 LIQUID FUEL THOUSANDS OF GALLONS/YR	59 % S	60 TYPE	61 GAS THOUSANDS OF CF/YR	62 BTU/CF	63 APPLICABLE RULE
143	145	146	147	148	149	150	151	152	153

Upon completion of construction sign the statement below and forward to the appropriate field representative. THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

64 LOCATION CODE	65 FACILITY ID NO	66 UTM (E)	67 UTM (N)	68 SIC NUMBER	69 DATE APPL RECEIVED	70 DATE APPL REVIEWED

PERMIT TO CONSTRUCT			
71 DATE ISSUED	72 EXPIRATION DATE	73 SIGNATURE OF APPROVAL	74 FEE

CERTIFICATE TO OPERATE			
75 DATE ISSUED	76 EXPIRATION DATE	77 SIGNATURE OF APPROVAL	78 FEE

79 SPECIAL CONDITIONS	
1	2
3	4
5	6
7	8

Continuation

UNFO 8-1-78 Form 82

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NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

S E C T I O N	1 NAME OF OWNER (FIRM) Unisys Corporation				2 NAME OF AUTHORIZED AGENT				3 TELEPHONE				4 FACILITY NAME (IF DIFFERENT FROM OWNER (FIRM))			
	5 BUSINESS AND STREET ADDRESS Marcus Avenue W/S IP 10				6 NUMBER AND STREET ADDRESS				7 FACILITY (LOCATION NUMBER AND STREET ADDRESS)				8 CITY - TOWN - VILLAGE			
	9 CITY - TOWN - VILLAGE Great Neck				10 STATE NY				11 ZIP 11020				12 CITY - TOWN - VILLAGE			
	13 BUILDING NAME OR NUMBER				14 FLOOR NAME OR NUMBER				15 START UP DATE				16 DRAWING NUMBERS OF PLANS SUBMITTED			
	17 SIGNATURE OF OWNER REPRESENTATIVE				18 SIGNATURE OF AGENT REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT				19 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION John J. Molloy, P.E.				20 N.Y.S. P.E. OR ARCHITECT LICENSE NO. 055141			

S E C T I O N	21 EMISSION POINT NO. 0006		22 GROUND ELEVATION (FT.)		23 HEIGHT ABOVE STRUCTURES (FT.)		24 STACK HEIGHT (FT.)		25 HEAVY DIMENSIONS (IN.)		26 EXIT TEMP (°F)		27 EXIT VELOCITY (FT/SEC)		28 EXIT FLOW RATE (ACFM)		29 SOURCE CODE		30 HRS / DAY		31 DAYS / YR		32 % OPERATION BY SEASON	

S E C T I O N	33 DESCRIBE PROCESS OR UNIT		34		35		36		37		38		39		40	

S E C T I O N	41 EMISSION CONTROL EQUIPMENT ID		42 CONTROL TYPE		43 MANUFACTURER'S NAME AND MODEL NUMBER		44 DISPOSAL METHOD		45 DATE INSTALLED MONTH / YEAR		46 USEFUL LIFE	

S E C T I O N	47 CALCULATION	

S E C T I O N	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV. RATIO	EMISSIONS				% CONTROL EFFIC. CY	MONTHLY EMISSIONS (LBS/MO)		ANNUAL EMISSIONS (LBS/YR)			
	NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET.	PERMISSIBLE		ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
11	Methyl Alcohol	67-56-1	58	59	60	0.0021	1	6	0	0.0021	0.0021	0.84	0	0	0	0
12	Nitromethane	75-52-5	71	72	73	0.000076	1	6	0	0.000076	0.000076	0.030	0	0	0	0
13			80	81	82											
14			100	101	102											
15			110	111	112											
16			120	121	122											
17			130	131	132											

S E C T I O N	148 SOLID FUEL TONS / YR		149 LIQUID FUEL THOUSANDS OF GALLONS/YR		150 GAS THOUSANDS OF CF/YR		151 APPLICABLE RULE	

Upon completion of construction sign this statement below and forward to the appropriate field representative. THE EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED RULES AND REGULATIONS. WITH ALL COMPONENTS OF EXHAUST OR VENTILATION SYSTEM.

A G E N C Y U S E O N L Y	152 DATE APPL. RECEIVED		153 DATE APPL. REVIEWED		154 DATE APPL. REVIEWED BY	
155 PERMIT TO CONSTRUCT						156 1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT. 2. THIS IS NOT A CERTIFICATE TO OPERATE. 3. TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE.
157 1. DATE OF APPROVAL						
158 2. SIGNATURE OF APPROVAL						
159 3. DATE						
160 CERTIFICATE TO OPERATE						161 1. DATE OF APPROVAL 2. SIGNATURE OF APPROVAL 3. DATE
162 1. DATE OF APPROVAL						
163 2. SIGNATURE OF APPROVAL						
164 3. DATE						
165 1. DATE OF APPROVAL						166 1. DATE OF APPROVAL 2. SIGNATURE OF APPROVAL 3. DATE
167 2. SIGNATURE OF APPROVAL						
168 3. DATE						
169 4. APPLICATION FOR C.O. DEFERRED						

A G E N C Y U S E O N L Y	170 1. DATE OF APPROVAL		171 2. SIGNATURE OF APPROVAL		172 3. DATE	

		DATE	INITIALS
ONLY	1. NAME OF THE PARTY		
	2. ADDRESS		
	3. CITY		
	4. STATE		
	5. ZIP		
	6. PHONE		
ONLY	7. NAME OF THE PARTY		
	8. ADDRESS		
	9. CITY		
	10. STATE		
	11. ZIP		
	12. PHONE		

Continuation

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PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER / FIRM Unisys Corporation				2 NAME OF AUTHORIZED AGENT				3 TELEPHONE				4 FACILITY NAME (IF DIFFERENT FROM OWNER / FIRM)			
5 NUMBER AND STREET ADDRESS Marcus Avenue W/S IP 10				6 FACILITY LOCATION NUMBER AND STREET ADDRESS				7 CITY - TOWN - VILLAGE Great Neck				8 STATE NY			
9 ZIP 11020				10 CITY - TOWN - VILLAGE				11 STATE				12 ZIP			
13 OWNER CLASSIFICATION ☐ A COMMERCIAL ☐ B INSTITUTIONAL ☐ C FEDERAL ☐ D OTHER				14 NAME OF P.E. OR ARCHITECT PREPARED APPLICATION				15 N.Y.S. P.E. OR ARCHITECT LICENSE NO.				16 TELEPHONE			
17 NAME & TITLE OF OWNER'S REPRESENTATIVE				18 SIGNATURE OF OWNER'S REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT				19 PERMIT TO CONSTRUCT ☐ A NEW SOURCE ☐ B MODIFICATION				20 CERTIFICATE TO OPERATE ☐ A NEW SOURCE ☐ B MODIFICATION			

21 EMISSION CONTROL EPO 10	22 DROUGHT (ELEVATION FT.)	23 HEIGHT ABOVE STRUCTURE (FT.)	24 STATE (WEIGHT FT.)	25 INSIDE DOWNDRAFT (IN)	26 EXH TEMP (°F)	27 EXH VELOCITY FT / SEC	28 EXH FLOW DATE (ACF)	29 SOURCE CODE	30 HRS / DAY	31 DAYS / YR	32 % OPERATION BY SEASON Winter Spring Summer Fall
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33 DESCRIBE PROCESS OR UNIT	34	35	36	37

38 EMISSION CONTROL EQUIPMENT ID	39 CONTROL TYPE	40 MANUFACTURER'S NAME AND MODEL NUMBER	41 DISPOSAL METHOD	42 DATE INSTALLED MONTH / YEAR	43 USEFUL LIFE
44	45	46	47	48	49

50 CALCULATIONS	

51 CONTAMINANT NAME	52 CAR NUMBER	53 INPUT OR PRODUCTION	54 UNIT	55 ENV. RATING	56 EMISSIONS				57 CONTROL EFFICIENCY	58 MONTHLY EMISSIONS (LBS/MO)		59 ANNUAL EMISSIONS (LBS/YR)	
					ACTUAL	UNIT	HOW DET.	PERMISSIBLE		ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
Dibutyl Phthalate	84742	57	36	58	2.0	3	6	0	2.0x10 ⁻⁶	2.0x10 ⁻⁶	9.6	-4	
Aminopropyltriethoxy- Silane	919302	71	72	73	2.0	3	6	0	2.0x10 ⁻⁶	2.0x10 ⁻⁶	9.6	-4	
Aliphatic Amine		86	87	88	1.2	3	6	0	1.2x10 ⁻⁶	1.2x10 ⁻⁶	5.8	-4	
Aromatic Ether		100	101	102	0.80	3	6	0	8.0x10 ⁻⁷	8.0x10 ⁻⁷	3.8	-4	
Ammonium Hydroxide	1336216	113	114	115	0.39	3	6	0	3.9x10 ⁻⁷	3.9x10 ⁻⁷	1.8	-4	

60 TYPE	61 SOLID FUEL TONS / YR	62 TYPE	63 LIQUID FUEL THOUSANDS OF GALLONS/YR	64 TYPE	65 GAS THOUSANDS OF CFYR	66 APPLICABLE RULE
124	125	126	127	128	129	130

Upon completion of construction sign the statement listed below and forward to the appropriate field representative.

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED
 OPERATIONS AND EMISSIONS LIMITS WITH ALL IMPROVEMENTS TO EXISTING REGULATIONS.

136 SIGNATURE OF APPLICANT

137 DATE

138 DATE APPL. RECEIVED	139 DATE APPL. REVIEWED	140 REVIEWED BY

141 PERMIT TO CONSTRUCT			
142 DATE ISSUED	143 EXPIRATION DATE	144 SIGNATURE OF APPLICANT	145 FEE

146 CERTIFICATE TO OPERATE			
147 DATE ISSUED	148 EXPIRATION DATE	149 SIGNATURE OF APPLICANT	150 FEE

151 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
 152 THIS IS NOT A CERTIFICATE TO OPERATE
 153 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO
 THE ISSUANCE OF A CERTIFICATE TO OPERATE

154 DEVIATION BY _____ DATE _____
 155 DEVIATION DISCLOSED DIFFERENCES AT UNIT VS. TRIMAT CHANGES REPERATED ON FORM
 156 ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
 157 APPLICATION FOR C.O. DENIED _____ DATE _____ INITIALS _____

158 SPECIAL PERMITS	159

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1	2	3
4	5	6
7	8	9

Continuation

OP	LOCATION	FACILITY	EMISSION POINT
1			

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PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER (FIRM)	2 NAME OF AUTHORIZED AGENT	3 TELEPHONE	4 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)
Unileys Corporation			
5 NUMBER AND STREET ADDRESS	6 NUMBER AND STREET ADDRESS	7 FACILITY LOCATION NUMBER AND STREET ADDRESS	
Marcus Avenue M/S/ IP 10			
8 CITY, TOWN, VILLAGE	9 STATE	10 ZIP	11 CITY, TOWN, VILLAGE
Great Neck	NY	11747	
12 BUILDING NAME OR NUMBER	13 FLOOR NAME OR NUMBER	14 BUILDING NAME OR NUMBER	
15 NAME OF P.E. OR ARCHITECT	16 NAME OF P.E. OR ARCHITECT	17 TELEPHONE	18 SIGNATURE OF OWNER REPRESENTATIVE OR AGENT WHEN APPLICANT FOR A PERMIT TO CONSTRUCT
19 PERMIT TO CONSTRUCT	20 CERTIFICATE TO OPERATE	21 DRAWING NUMBERS OF PLANS SUBMITTED	
☐ NEW SOURCE ☐ MODIFICATION	☐ NEW SOURCE ☐ MODIFICATION		

22 EMISSIONS CONTROL EQUIPMENT	23 CONTROL TYPE	24 MANUFACTURER'S NAME AND MODEL NUMBER	25 DISPOSAL METHOD	26 DATE INSTALLED MONTH / YEAR	27 USEFUL LIFE
EP 01 1					

28 DESCRIBE PROCESS OR UNIT	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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EMISSION CONTROL EQUIPMENT	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE

CALCULATIONS

CONTAMINANT	NAME	CAS NUMBER	INPUT OR PRODUCTION (T/HR)	ENV. RATING	EMISSIONS				% CONTROL EFFIC. CY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (LB/HR)	
					ACTUAL	UNIT	HOW	PERMISSIBLE		ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
1	Dibutyl Phthalate	84-74-2	58	57	2.0	3	6	0	0	2.0x10 ⁻⁶	2.0x10 ⁻⁶	4.8	-4
2	Aminopropyltriethoxy-Silane	919-30-2	71	72	2.0	3	6	0	0	2.0x10 ⁻⁶	2.0x10 ⁻⁶	4.8	-4
3	Aliphatic Amine		64	67	1.0	3	6	0	0	1.2x10 ⁻⁶	1.2x10 ⁻⁶	2.9	-4
4	Aromatic Ether		161	162	0.80	3	6	0	0	8.0x10 ⁻⁷	8.0x10 ⁻⁷	1.9	-4
5	Ammonium Hydroxide	1336-21-6	118	117	0.38	3	6	0	0	3.8x10 ⁻⁷	3.8x10 ⁻⁷	1.8	-4

TYPE	SOLID FUEL TONS/YR	% S	TYPE	LIQUID FUEL THOUSANDS OF GALLONS/YR	% S	TYPE	GAS THOUSANDS OF CFYR	STUCCO	APPLICABLE RULE
141	142	143	144	145	146	147	148	149	150

151 SIGNATURE OF APPLICANT OR AGENT
152 DATE APPL. RECEIVED
153 DATE APPL. REVIEWED
154 REVIEWER

155 LOCATION/REFERENCE	156 FACILITY NO. REF.	157 UTM REF.	158 UTM REF.	159 SIC NUMBER	160 DATE APPL. RECEIVED	161 DATE APPL. REVIEWED	162 REVIEWER
------------------------	-----------------------	--------------	--------------	----------------	-------------------------	-------------------------	--------------

PERMIT TO CONSTRUCT				163 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
164 DATE OF PERMIT	165 PERMIT AUTHORITY	166 EXPIRATION OF PERMIT	167 FEE	168 THIS IS NOT A CERTIFICATE TO OPERATE
169 CERTIFICATE TO OPERATE				169 ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
170 DATE OF CERTIFICATE	171 EXPIRATION DATE	172 SIGNATURE OF APPROVED	173 FEE	174 APPLICATION FOR C.O. DENIED

175 SPECIAL COMMENTS	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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LOCATION FACILITY EMISSION POINT

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PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM Unisys Corporation			5 NAME OF AUTHORIZED AGENT H2M Group, P.C.			16 TELEPHONE 516-756-8000			18 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)		
2 NUMBER AND STREET ADDRESS Marcus Avenue N/S IP 10			11 NUMBER AND STREET ADDRESS 575 Broad Hollow Road			17 FACILITY LOCATION NUMBER AND STREET ADDRESS			19 CITY, TOWN, VILLAGE		
3 CITY, TOWN, VILLAGE Great Neck			4 STATE NY			12 ZIP 11747			13 CITY, TOWN, VILLAGE Malville		
14 STATE NY			15 ZIP 11747			16 TELEPHONE 516-756-8000			17 FACILITY LOCATION NUMBER AND STREET ADDRESS		
6 OTHER CLASSIFICATION ☒ MANUFACTURING ☐ OTHER			7 NAME OF P.E. OR ARCHITECT John J. Molloy, P.E.			8 NY S.P.E. OR ARCHITECT LICENSE NO. 055141			9 TELEPHONE 516-756-8000		
10 SIGNATURE OF OWNER/FIRM Laurence F. Miles			11 SIGNATURE OF AGENT [Signature]			12 PERMIT TO CONSTRUCT ☒ NEW SOURCE ☐ MODIFICATION			13 CERTIFICATE TO OPERATE ☒ NEW SOURCE ☐ MODIFICATION		

14 SOURCE CODE 2	15 EMISSION RATE (ACTUAL) 127	16 EMISSION RATE (PERMIT) 6	17 EMISSION RATE (CERTIFICATE) 34	18 EMISSION RATE (ACTUAL) 10	19 EMISSION RATE (PERMIT) 72	20 EMISSION RATE (CERTIFICATE) 18	21 EMISSION RATE (ACTUAL) 600	22 EMISSION RATE (PERMIT) 4	23 EMISSION RATE (CERTIFICATE) 60	24 EMISSION RATE (ACTUAL) 2.5	25 EMISSION RATE (PERMIT) 2.5	26 EMISSION RATE (CERTIFICATE) 2.5
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27 DE SIGNIFICANT PROCESS OR UNIT AMI Screen Printer-Prints thick film circuit onto chip substrate	28 EMISSION RATE (ACTUAL) 127	29 EMISSION RATE (PERMIT) 6	30 EMISSION RATE (CERTIFICATE) 34	31 EMISSION RATE (ACTUAL) 10	32 EMISSION RATE (PERMIT) 72	33 EMISSION RATE (CERTIFICATE) 18	34 EMISSION RATE (ACTUAL) 600	35 EMISSION RATE (PERMIT) 4	36 EMISSION RATE (CERTIFICATE) 60	37 EMISSION RATE (ACTUAL) 2.5	38 EMISSION RATE (PERMIT) 2.5	39 EMISSION RATE (CERTIFICATE) 2.5
--	---	---------------------------------------	---	--	--	---	---	---------------------------------------	---	---	---	--

40 EMISSION CONTROL EQUIPMENT ID	41 CONTROL TYPE	42 MANUFACTURER'S NAME AND MODEL NUMBER	43 DISPOSAL METHOD	44 DATE INSTALLED MONTH / YEAR	45 USEFUL LIFE
46	47	48	49	50	51

SELECTION

See Calculation Sheet 5

CONTAMINANT	NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV. RATIO	EMISSIONS			% CONTROL EFFIC. CV	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
						ACTUAL	PERMIT	CERTIFICATE		ACTUAL	PERMIT	ACTUAL	PERMIT
1	Terpinsol	98-55-5	56	57	58	0.12	2	6	0	0.00012	0.0001	2.9	-2
2	Trimethylpentanediol Monoisobutyrate	25265-77-4	71	72	73	0.039	2	6	0	0.000039	0.000039	0.94	-2
3	Petroleum Distillate		88	89	90	0.024	2	6	0	0.000024	0.000024	0.58	-2
4	Diethylene Glycol Dibutyl Ether	112-73-2	118	119	120	0.021	2	6	0	0.000021	0.000021	0.50	-2
5	Mineral Spirits	8032-32-4	118	119	120	0.020	2	6	0	0.000020	0.000020	0.48	-2
6	Ethyl Cellulose	9004-57-3	131	132	133	2.7	3	6	0	2.7x10 ⁻⁶	2.7x10 ⁻⁶	6.5	-4

141 TYPE	142 SOLID FUEL (LBS/YR)	143 LIQUID FUEL (THOUSANDS OF GALLONS/YR)	144 GAS (THOUSANDS OF CFYR)	145 BTU/CF	146 APPLICABLE RULE
147	148	149	150	151	152

153 SIGNATURE OF APPLICANT
[Signature]

154 SIGNATURE OF AGENT
[Signature]

155 DATE
6/1/90

156 LOCATION CODE	157 FACILITY ID NO.	158 EMISSION POINT	159 EMISSION RATE	160 EMISSION RATE	161 DATE APPL. RECEIVED	162 DATE APPL. REVIEWED	163 DATE APPL. APPROVED
164	165	166	167	168	169	170	171

PERMIT TO CONSTRUCT

172 DATE APPL. RECEIVED

173 DATE APPL. REVIEWED

174 DATE APPL. APPROVED

175 SIGNATURE OF APPLICANT

176 SIGNATURE OF AGENT

177 DATE

178 DATE

179 DATE

180 DATE

181 DATE

182 DATE

183 DATE

184 DATE

185 DATE

186 DATE

187 DATE

188 DATE

189 DATE

190 DATE

191 DATE

192 DATE

193 DATE

194 DATE

195 DATE

196 DATE

197 DATE

198 DATE

199 DATE

200 DATE

CERTIFICATE TO OPERATE

201 DATE APPL. RECEIVED

202 DATE APPL. REVIEWED

203 DATE APPL. APPROVED

204 SIGNATURE OF APPLICANT

205 SIGNATURE OF AGENT

206 DATE

207 DATE

208 DATE

209 DATE

210 DATE

211 DATE

212 DATE

213 DATE

214 DATE

215 DATE

216 DATE

217 DATE

218 DATE

219 DATE

220 DATE

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OP	LOCATION	FACILITY	EMISSION POINT
			1

NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF COMPANY/FIRM Unisys Corporation	4 NAME OF AUTHORIZED AGENT	15 TELEPHONE	16 FACILITY NAME (IF DIFFERENT FROM COMPANY FIRM)
2 NUMBER AND STREET ADDRESS Marcus Avenue M/S IP 10	11 NUMBER AND STREET ADDRESS	16 FACILITY LOCATION NUMBER AND STREET ADDRESS	
3 CITY-TOWN-VILLAGE Great Neck	12 CITY-TOWN-VILLAGE	13 STATE NY	14 ZIP 11747
5 CHECK CLASSIFICATION ☐ A COMMERCIAL ☐ B INDUSTRIAL ☐ C UTILITY ☐ D FEDERAL ☐ E MUNICIPAL ☐ F EDUC. INST. ☐ G OTHER	6 STATE NY	17 NAME OF P.E. OR ARCHITECT PREPARING APPLICATION	18 N.Y.S. P.E. OR ARCHITECT LICENSE NO.
7 NAME & TITLE OF OWNER'S REPRESENTATIVE	8 TELEPHONE	19 SIGNATURE OF OWNER'S REPRESENTATIVE OR AGENT WHEN APPLICANT IS NOT THE OWNER	20 TELEPHONE
21 STARTUP DATE		22 DRAWING NUMBERS OF PLANS SUBMITTED	
23 PERMIT TO CONSTRUCT ☐ A NEW SOURCE ☐ B EXISTING SOURCE		24 CERTIFICATE TO OPERATE ☐ A NEW SOURCE ☐ B EXISTING SOURCE	

25 EMISSIONS POINT NO.	26 EMISSIONS POINT NO.	27 EMISSIONS POINT NO.	28 EMISSIONS POINT NO.	29 EMISSIONS POINT NO.	30 EMISSIONS POINT NO.	31 EMISSIONS POINT NO.	32 EMISSIONS POINT NO.	33 EMISSIONS POINT NO.	34 EMISSIONS POINT NO.	35 EMISSIONS POINT NO.	36 EMISSIONS POINT NO.	37 EMISSIONS POINT NO.	38 EMISSIONS POINT NO.	39 EMISSIONS POINT NO.	40 EMISSIONS POINT NO.	41 EMISSIONS POINT NO.	42 EMISSIONS POINT NO.	43 EMISSIONS POINT NO.	44 EMISSIONS POINT NO.	45 EMISSIONS POINT NO.	46 EMISSIONS POINT NO.	47 EMISSIONS POINT NO.	48 EMISSIONS POINT NO.	49 EMISSIONS POINT NO.	50 EMISSIONS POINT NO.	51 EMISSIONS POINT NO.	52 EMISSIONS POINT NO.	53 EMISSIONS POINT NO.	54 EMISSIONS POINT NO.	55 EMISSIONS POINT NO.	56 EMISSIONS POINT NO.	57 EMISSIONS POINT NO.	58 EMISSIONS POINT NO.	59 EMISSIONS POINT NO.	60 EMISSIONS POINT NO.	61 EMISSIONS POINT NO.	62 EMISSIONS POINT NO.	63 EMISSIONS POINT NO.	64 EMISSIONS POINT NO.	65 EMISSIONS POINT NO.	66 EMISSIONS POINT NO.	67 EMISSIONS POINT NO.	68 EMISSIONS POINT NO.	69 EMISSIONS POINT NO.	70 EMISSIONS POINT NO.	71 EMISSIONS POINT NO.	72 EMISSIONS POINT NO.	73 EMISSIONS POINT NO.	74 EMISSIONS POINT NO.	75 EMISSIONS POINT NO.	76 EMISSIONS POINT NO.	77 EMISSIONS POINT NO.	78 EMISSIONS POINT NO.	79 EMISSIONS POINT NO.	80 EMISSIONS POINT NO.	81 EMISSIONS POINT NO.	82 EMISSIONS POINT NO.	83 EMISSIONS POINT NO.	84 EMISSIONS POINT NO.	85 EMISSIONS POINT NO.	86 EMISSIONS POINT NO.	87 EMISSIONS POINT NO.	88 EMISSIONS POINT NO.	89 EMISSIONS POINT NO.	90 EMISSIONS POINT NO.	91 EMISSIONS POINT NO.	92 EMISSIONS POINT NO.	93 EMISSIONS POINT NO.	94 EMISSIONS POINT NO.	95 EMISSIONS POINT NO.	96 EMISSIONS POINT NO.	97 EMISSIONS POINT NO.	98 EMISSIONS POINT NO.	99 EMISSIONS POINT NO.	100 EMISSIONS POINT NO.
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101 DESCRIBE PROCESS OR UNIT	102 DESCRIBE PROCESS OR UNIT	103 DESCRIBE PROCESS OR UNIT	104 DESCRIBE PROCESS OR UNIT	105 DESCRIBE PROCESS OR UNIT	106 DESCRIBE PROCESS OR UNIT	107 DESCRIBE PROCESS OR UNIT	108 DESCRIBE PROCESS OR UNIT	109 DESCRIBE PROCESS OR UNIT	110 DESCRIBE PROCESS OR UNIT	111 DESCRIBE PROCESS OR UNIT	112 DESCRIBE PROCESS OR UNIT	113 DESCRIBE PROCESS OR UNIT	114 DESCRIBE PROCESS OR UNIT	115 DESCRIBE PROCESS OR UNIT	116 DESCRIBE PROCESS OR UNIT	117 DESCRIBE PROCESS OR UNIT	118 DESCRIBE PROCESS OR UNIT	119 DESCRIBE PROCESS OR UNIT	120 DESCRIBE PROCESS OR UNIT	121 DESCRIBE PROCESS OR UNIT	122 DESCRIBE PROCESS OR UNIT	123 DESCRIBE PROCESS OR UNIT	124 DESCRIBE PROCESS OR UNIT	125 DESCRIBE PROCESS OR UNIT	126 DESCRIBE PROCESS OR UNIT	127 DESCRIBE PROCESS OR UNIT	128 DESCRIBE PROCESS OR UNIT	129 DESCRIBE PROCESS OR UNIT	130 DESCRIBE PROCESS OR UNIT	131 DESCRIBE PROCESS OR UNIT	132 DESCRIBE PROCESS OR UNIT	133 DESCRIBE PROCESS OR UNIT	134 DESCRIBE PROCESS OR UNIT	135 DESCRIBE PROCESS OR UNIT	136 DESCRIBE PROCESS OR UNIT	137 DESCRIBE PROCESS OR UNIT	138 DESCRIBE PROCESS OR UNIT	139 DESCRIBE PROCESS OR UNIT	140 DESCRIBE PROCESS OR UNIT	141 DESCRIBE PROCESS OR UNIT	142 DESCRIBE PROCESS OR UNIT	143 DESCRIBE PROCESS OR UNIT	144 DESCRIBE PROCESS OR UNIT	145 DESCRIBE PROCESS OR UNIT	146 DESCRIBE PROCESS OR UNIT	147 DESCRIBE PROCESS OR UNIT	148 DESCRIBE PROCESS OR UNIT	149 DESCRIBE PROCESS OR UNIT	150 DESCRIBE PROCESS OR UNIT	151 DESCRIBE PROCESS OR UNIT	152 DESCRIBE PROCESS OR UNIT	153 DESCRIBE PROCESS OR UNIT	154 DESCRIBE PROCESS OR UNIT	155 DESCRIBE PROCESS OR UNIT	156 DESCRIBE PROCESS OR UNIT	157 DESCRIBE PROCESS OR UNIT	158 DESCRIBE PROCESS OR UNIT	159 DESCRIBE PROCESS OR UNIT	160 DESCRIBE PROCESS OR UNIT	161 DESCRIBE PROCESS OR UNIT	162 DESCRIBE PROCESS OR UNIT	163 DESCRIBE PROCESS OR UNIT	164 DESCRIBE PROCESS OR UNIT	165 DESCRIBE PROCESS OR UNIT	166 DESCRIBE PROCESS OR UNIT	167 DESCRIBE PROCESS OR UNIT	168 DESCRIBE PROCESS OR UNIT	169 DESCRIBE PROCESS OR UNIT	170 DESCRIBE PROCESS OR UNIT	171 DESCRIBE PROCESS OR UNIT	172 DESCRIBE PROCESS OR UNIT	173 DESCRIBE PROCESS OR UNIT	174 DESCRIBE PROCESS OR UNIT	175 DESCRIBE PROCESS OR UNIT	176 DESCRIBE PROCESS OR UNIT	177 DESCRIBE PROCESS OR UNIT	178 DESCRIBE PROCESS OR UNIT	179 DESCRIBE PROCESS OR UNIT	180 DESCRIBE PROCESS OR UNIT	181 DESCRIBE PROCESS OR UNIT	182 DESCRIBE PROCESS OR UNIT	183 DESCRIBE PROCESS OR UNIT	184 DESCRIBE PROCESS OR UNIT	185 DESCRIBE PROCESS OR UNIT	186 DESCRIBE PROCESS OR UNIT	187 DESCRIBE PROCESS OR UNIT	188 DESCRIBE PROCESS OR UNIT	189 DESCRIBE PROCESS OR UNIT	190 DESCRIBE PROCESS OR UNIT	191 DESCRIBE PROCESS OR UNIT	192 DESCRIBE PROCESS OR UNIT	193 DESCRIBE PROCESS OR UNIT	194 DESCRIBE PROCESS OR UNIT	195 DESCRIBE PROCESS OR UNIT	196 DESCRIBE PROCESS OR UNIT	197 DESCRIBE PROCESS OR UNIT	198 DESCRIBE PROCESS OR UNIT	199 DESCRIBE PROCESS OR UNIT	200 DESCRIBE PROCESS OR UNIT
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101 FURNISH CENTER'S P.D. NUMBER	102 FURNISH CENTER'S P.D. NUMBER	103 FURNISH CENTER'S P.D. NUMBER	104 FURNISH CENTER'S P.D. NUMBER	105 FURNISH CENTER'S P.D. NUMBER	106 FURNISH CENTER'S P.D. NUMBER	107 FURNISH CENTER'S P.D. NUMBER	108 FURNISH CENTER'S P.D. NUMBER	109 FURNISH CENTER'S P.D. NUMBER	110 FURNISH CENTER'S P.D. NUMBER	111 FURNISH CENTER'S P.D. NUMBER	112 FURNISH CENTER'S P.D. NUMBER	113 FURNISH CENTER'S P.D. NUMBER	114 FURNISH CENTER'S P.D. NUMBER	115 FURNISH CENTER'S P.D. NUMBER	116 FURNISH CENTER'S P.D. NUMBER	117 FURNISH CENTER'S P.D. NUMBER	118 FURNISH CENTER'S P.D. NUMBER	119 FURNISH CENTER'S P.D. NUMBER	120 FURNISH CENTER'S P.D. NUMBER	121 FURNISH CENTER'S P.D. NUMBER	122 FURNISH CENTER'S P.D. NUMBER	123 FURNISH CENTER'S P.D. NUMBER	124 FURNISH CENTER'S P.D. NUMBER	125 FURNISH CENTER'S P.D. NUMBER	126 FURNISH CENTER'S P.D. NUMBER	127 FURNISH CENTER'S P.D. NUMBER	128 FURNISH CENTER'S P.D. NUMBER	129 FURNISH CENTER'S P.D. NUMBER	130 FURNISH CENTER'S P.D. NUMBER	131 FURNISH CENTER'S P.D. NUMBER	132 FURNISH CENTER'S P.D. NUMBER	133 FURNISH CENTER'S P.D. NUMBER	134 FURNISH CENTER'S P.D. NUMBER	135 FURNISH CENTER'S P.D. NUMBER	136 FURNISH CENTER'S P.D. NUMBER	137 FURNISH CENTER'S P.D. NUMBER	138 FURNISH CENTER'S P.D. NUMBER	139 FURNISH CENTER'S P.D. NUMBER	140 FURNISH CENTER'S P.D. NUMBER	141 FURNISH CENTER'S P.D. NUMBER	142 FURNISH CENTER'S P.D. NUMBER	143 FURNISH CENTER'S P.D. NUMBER	144 FURNISH CENTER'S P.D. NUMBER	145 FURNISH CENTER'S P.D. NUMBER	146 FURNISH CENTER'S P.D. NUMBER	147 FURNISH CENTER'S P.D. NUMBER	148 FURNISH CENTER'S P.D. NUMBER	149 FURNISH CENTER'S P.D. NUMBER	150 FURNISH CENTER'S P.D. NUMBER	151 FURNISH CENTER'S P.D. NUMBER	152 FURNISH CENTER'S P.D. NUMBER	153 FURNISH CENTER'S P.D. NUMBER	154 FURNISH CENTER'S P.D. NUMBER	155 FURNISH CENTER'S P.D. NUMBER	156 FURNISH CENTER'S P.D. NUMBER	157 FURNISH CENTER'S P.D. NUMBER	158 FURNISH CENTER'S P.D. NUMBER	159 FURNISH CENTER'S P.D. NUMBER	160 FURNISH CENTER'S P.D. NUMBER	161 FURNISH CENTER'S P.D. NUMBER	162 FURNISH CENTER'S P.D. NUMBER	163 FURNISH CENTER'S P.D. NUMBER	164 FURNISH CENTER'S P.D. NUMBER	165 FURNISH CENTER'S P.D. NUMBER	166 FURNISH CENTER'S P.D. NUMBER	167 FURNISH CENTER'S P.D. NUMBER	168 FURNISH CENTER'S P.D. NUMBER	169 FURNISH CENTER'S P.D. NUMBER	170 FURNISH CENTER'S P.D. NUMBER	171 FURNISH CENTER'S P.D. NUMBER	172 FURNISH CENTER'S P.D. NUMBER	173 FURNISH CENTER'S P.D. NUMBER	174 FURNISH CENTER'S P.D. NUMBER	175 FURNISH CENTER'S P.D. NUMBER	176 FURNISH CENTER'S P.D. NUMBER	177 FURNISH CENTER'S P.D. NUMBER	178 FURNISH CENTER'S P.D. NUMBER	179 FURNISH CENTER'S P.D. NUMBER	180 FURNISH CENTER'S P.D. NUMBER	181 FURNISH CENTER'S P.D. NUMBER	182 FURNISH CENTER'S P.D. NUMBER	183 FURNISH CENTER'S P.D. NUMBER	184 FURNISH CENTER'S P.D. NUMBER	185 FURNISH CENTER'S P.D. NUMBER	186 FURNISH CENTER'S P.D. NUMBER	187 FURNISH CENTER'S P.D. NUMBER	188 FURNISH CENTER'S P.D. NUMBER	189 FURNISH CENTER'S P.D. NUMBER	190 FURNISH CENTER'S P.D. NUMBER	191 FURNISH CENTER'S P.D. NUMBER	192 FURNISH CENTER'S P.D. NUMBER	193 FURNISH CENTER'S P.D. NUMBER	194 FURNISH CENTER'S P.D. NUMBER	195 FURNISH CENTER'S P.D. NUMBER	196 FURNISH CENTER'S P.D. NUMBER	197 FURNISH CENTER'S P.D. NUMBER	198 FURNISH CENTER'S P.D. NUMBER	199 FURNISH CENTER'S P.D. NUMBER	200 FURNISH CENTER'S P.D. NUMBER
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101 CALCULATIONS	102 CALCULATIONS	103 CALCULATIONS	104 CALCULATIONS	105 CALCULATIONS	106 CALCULATIONS	107 CALCULATIONS	108 CALCULATIONS	109 CALCULATIONS	110 CALCULATIONS	111 CALCULATIONS	112 CALCULATIONS	113 CALCULATIONS	114 CALCULATIONS	115 CALCULATIONS	116 CALCULATIONS	117 CALCULATIONS	118 CALCULATIONS	119 CALCULATIONS	120 CALCULATIONS	121 CALCULATIONS	122 CALCULATIONS	123 CALCULATIONS	124 CALCULATIONS	125 CALCULATIONS	126 CALCULATIONS	127 CALCULATIONS	128 CALCULATIONS	129 CALCULATIONS	130 CALCULATIONS	131 CALCULATIONS	132 CALCULATIONS	133 CALCULATIONS	134 CALCULATIONS	135 CALCULATIONS	136 CALCULATIONS	137 CALCULATIONS	138 CALCULATIONS	139 CALCULATIONS	140 CALCULATIONS	141 CALCULATIONS	142 CALCULATIONS	143 CALCULATIONS	144 CALCULATIONS	145 CALCULATIONS	146 CALCULATIONS	147 CALCULATIONS	148 CALCULATIONS	149 CALCULATIONS	150 CALCULATIONS	151 CALCULATIONS	152 CALCULATIONS	153 CALCULATIONS	154 CALCULATIONS	155 CALCULATIONS	156 CALCULATIONS	157 CALCULATIONS	158 CALCULATIONS	159 CALCULATIONS	160 CALCULATIONS	161 CALCULATIONS	162 CALCULATIONS	163 CALCULATIONS	164 CALCULATIONS	165 CALCULATIONS	166 CALCULATIONS	167 CALCULATIONS	168 CALCULATIONS	169 CALCULATIONS	170 CALCULATIONS	171 CALCULATIONS	172 CALCULATIONS	173 CALCULATIONS	174 CALCULATIONS	175 CALCULATIONS	176 CALCULATIONS	177 CALCULATIONS	178 CALCULATIONS	179 CALCULATIONS	180 CALCULATIONS	181 CALCULATIONS	182 CALCULATIONS	183 CALCULATIONS	184 CALCULATIONS	185 CALCULATIONS	186 CALCULATIONS	187 CALCULATIONS	188 CALCULATIONS	189 CALCULATIONS	190 CALCULATIONS	191 CALCULATIONS	192 CALCULATIONS	193 CALCULATIONS	194 CALCULATIONS	195 CALCULATIONS	196 CALCULATIONS	197 CALCULATIONS	198 CALCULATIONS	199 CALCULATIONS	200 CALCULATIONS
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CONTAMINANT	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFICACY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (LB/YR)	
					ACTUAL	UNIT	PERMISSIBLE	ACTUAL		PERMISSIBLE	ACTUAL	PERMISSIBLE	
Dibutyl Phthalate	84-74-2	58	47	58	2.0	3	6	0	2.0x10 ⁻⁶	2.0x10 ⁻⁶	4.8	-4	53
Aminopropyltriethoxy-Silane	919-30-2	71	72	73	2.0	3	6	0	2.0x10 ⁻⁶	2.0x10 ⁻⁶	4.8	-4	53
Aliphatic Amine	-	80	81	82	1.0	3	6	0	1.2x10 ⁻⁶	1.2x10 ⁻⁶	2.9	-4	53
Aromatic Ether	-	100	101	102	0.80	3	6	0	8.0x10 ⁻⁷	8.0x10 ⁻⁷	1.9	-4	53
Ammonium Hydroxide	1336-21-6	118	119	120	0.38	3	6	0	3.8x10 ⁻⁷	3.8x10 ⁻⁷	1.8	-4	53

101 TYPE	102 TYPE	103 TYPE	104 TYPE	105 TYPE	106 TYPE	107 TYPE	108 TYPE	109 TYPE	110 TYPE	111 TYPE	112 TYPE	113 TYPE	114 TYPE	115 TYPE	116 TYPE	117 TYPE	118 TYPE	119 TYPE	120 TYPE	121 TYPE	122 TYPE	123 TYPE	124 TYPE	125 TYPE	126 TYPE	127 TYPE	128 TYPE	129 TYPE	130 TYPE	131 TYPE	132 TYPE	133 TYPE	134 TYPE	135 TYPE	136 TYPE	137 TYPE	138 TYPE	139 TYPE	140 TYPE	141 TYPE	142 TYPE	143 TYPE	144 TYPE	145 TYPE	146 TYPE	147 TYPE	148 TYPE	149 TYPE	150 TYPE	151 TYPE	152 TYPE	153 TYPE	154 TYPE	155 TYPE	156 TYPE	157 TYPE	158 TYPE	159 TYPE	160 TYPE	161 TYPE	162 TYPE	163 TYPE	164 TYPE	165 TYPE	166 TYPE	167 TYPE	168 TYPE	169 TYPE	170 TYPE	171 TYPE	172 TYPE	173 TYPE	174 TYPE	175 TYPE	176 TYPE	177 TYPE	178 TYPE	179 TYPE	180 TYPE	181 TYPE	182 TYPE	183 TYPE	184 TYPE	185 TYPE	186 TYPE	187 TYPE	188 TYPE	189 TYPE	190 TYPE	191 TYPE	192 TYPE	193 TYPE	194 TYPE	195 TYPE	196 TYPE	197 TYPE	198 TYPE	199 TYPE	200 TYPE
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Upon completion of construction sign the statement below and forward to the appropriate field representative.

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED OPERATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

156 SIGNATURE OF APPLICANT

157 DATE

101 PERMIT TO CONSTRUCT	102 PERMIT TO CONSTRUCT	103 PERMIT TO CONSTRUCT	104 PERMIT TO CONSTRUCT	105 PERMIT TO CONSTRUCT	106 PERMIT TO CONSTRUCT	107 PERMIT TO CONSTRUCT	108 PERMIT TO CONSTRUCT	109 PERMIT TO CONSTRUCT	110 PERMIT TO CONSTRUCT	111 PERMIT TO CONSTRUCT	112 PERMIT TO CONSTRUCT	113 PERMIT TO CONSTRUCT	114 PERMIT TO CONSTRUCT	115 PERMIT TO CONSTRUCT	116 PERMIT TO CONSTRUCT	117 PERMIT TO CONSTRUCT	118 PERMIT TO CONSTRUCT	119 PERMIT TO CONSTRUCT	120 PERMIT TO CONSTRUCT	121 PERMIT TO CONSTRUCT	122 PERMIT TO CONSTRUCT	123 PERMIT TO CONSTRUCT	124 PERMIT TO CONSTRUCT	125 PERMIT TO CONSTRUCT	126 PERMIT TO CONSTRUCT	127 PERMIT TO CONSTRUCT	128 PERMIT TO CONSTRUCT	129 PERMIT TO CONSTRUCT	130 PERMIT TO CONSTRUCT	131 PERMIT TO CONSTRUCT	132 PERMIT TO CONSTRUCT	133 PERMIT TO CONSTRUCT	134 PERMIT TO CONSTRUCT	135 PERMIT TO CONSTRUCT	136 PERMIT TO CONSTRUCT	137 PERMIT TO CONSTRUCT	138 PERMIT TO CONSTRUCT	139 PERMIT TO CONSTRUCT	140 PERMIT TO CONSTRUCT	141 PERMIT TO CONSTRUCT	142 PERMIT TO CONSTRUCT	143 PERMIT TO CONSTRUCT	144 PERMIT TO CONSTRUCT	145 PERMIT TO CONSTRUCT	146 PERMIT TO CONSTRUCT	147 PERMIT TO CONSTRUCT	148 PERMIT TO CONSTRUCT	149 PERMIT TO CONSTRUCT	150 PERMIT TO CONSTRUCT	151 PERMIT TO CONSTRUCT	152 PERMIT TO CONSTRUCT	153 PERMIT TO CONSTRUCT	154 PERMIT TO CONSTRUCT	155 PERMIT TO CONSTRUCT	156 PERMIT TO CONSTRUCT	157 PERMIT TO CONSTRUCT	158 PERMIT TO CONSTRUCT	159 PERMIT TO CONSTRUCT	160 PERMIT TO CONSTRUCT	161 PERMIT TO CONSTRUCT	162 PERMIT TO CONSTRUCT	163 PERMIT TO CONSTRUCT	164 PERMIT TO CONSTRUCT	165 PERMIT TO CONSTRUCT	166 PERMIT TO CONSTRUCT	167 PERMIT TO CONSTRUCT	168 PERMIT TO CONSTRUCT	169 PERMIT TO CONSTRUCT	170 PERMIT TO CONSTRUCT	171 PERMIT TO CONSTRUCT	172 PERMIT TO CONSTRUCT	173 PERMIT TO CONSTRUCT	174 PERMIT TO CONSTRUCT	175 PERMIT TO CONSTRUCT	176 PERMIT TO CONSTRUCT	177 PERMIT TO CONSTRUCT	178 PERMIT TO CONSTRUCT	179 PERMIT TO CONSTRUCT	180 PERMIT TO CONSTRUCT	181 PERMIT TO CONSTRUCT	182 PERMIT TO CONSTRUCT	183 PERMIT TO CONSTRUCT	184 PERMIT TO CONSTRUCT	185 PERMIT TO CONSTRUCT	186 PERMIT TO CONSTRUCT	187 PERMIT TO CONSTRUCT	188 PERMIT TO CONSTRUCT	189 PERMIT TO CONSTRUCT	190 PERMIT TO CONSTRUCT	191 PERMIT TO CONSTRUCT	192 PERMIT TO CONSTRUCT	193 PERMIT TO CONSTRUCT	194 PERMIT TO CONSTRUCT	195 PERMIT TO CONSTRUCT	196 PERMIT TO CONSTRUCT	197 PERMIT TO CONSTRUCT	198 PERMIT TO CONSTRUCT	199 PERMIT TO CONSTRUCT	200 PERMIT TO CONSTRUCT
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101 CERTIFICATE TO OPERATE	102 CERTIFICATE TO OPERATE	103 CERTIFICATE TO OPERATE	104 CERTIFICATE TO OPERATE	105 CERTIFICATE TO OPERATE	106 CERTIFICATE TO OPERATE	107 CERTIFICATE TO OPERATE	108 CERTIFICATE TO OPERATE	109 CERTIFICATE TO OPERATE	110 CERTIFICATE TO OPERATE	111 CERTIFICATE TO OPERATE	112 CERTIFICATE TO OPERATE	113 CERTIFICATE TO OPERATE	114 CERTIFICATE TO OPERATE	115 CERTIFICATE TO OPERATE	116 CERTIFICATE TO OPERATE	117 CERTIFICATE TO OPERATE	118 CERTIFICATE TO OPERATE	119 CERTIFICATE TO OPERATE	120 CERTIFICATE TO OPERATE	121 CERTIFICATE TO OPERATE	122 CERTIFICATE TO OPERATE	123 CERTIFICATE TO OPERATE	124 CERTIFICATE TO OPERATE	125 CERTIFICATE TO OPERATE	126 CERTIFICATE TO OPERATE	127 CERTIFICATE TO OPERATE	128 CERTIFICATE TO OPERATE	129 CERTIFICATE TO OPERATE	130 CERTIFICATE TO OPERATE	131 CERTIFICATE TO OPERATE	132 CERTIFICATE TO OPERATE	133 CERTIFICATE TO OPERATE	134 CERTIFICATE TO OPERATE	135 CERTIFICATE TO OPERATE	136 CERTIFICATE TO OPERATE	137 CERTIFICATE TO OPERATE	138 CERTIFICATE TO OPERATE	139 CERTIFICATE TO OPERATE	140 CERTIFICATE TO OPERATE	141 CERTIFICATE TO OPERATE	142 CERTIFICATE TO OPERATE	143 CERTIFICATE TO OPERATE	144 CERTIFICATE TO OPERATE	145 CERTIFICATE TO OPERATE	146 CERTIFICATE TO OPERATE	147 CERTIFICATE TO OPERATE	148 CERTIFICATE TO OPERATE	149 CERTIFICATE TO OPERATE	150 CERTIFICATE TO OPERATE	151 CERTIFICATE TO OPERATE	152 CERTIFICATE TO OPERATE	153 CERTIFICATE TO OPERATE	154 CERTIFICATE TO OPERATE	155 CERTIFICATE TO OPERATE	156 CERTIFICATE TO OPERATE	157 CERTIFICATE TO OPERATE	158 CERTIFICATE TO OPERATE	159 CERTIFICATE TO OPERATE	160 CERTIFICATE TO OPERATE	161 CERTIFICATE TO OPERATE	162 CERTIFICATE TO OPERATE	163 CERTIFICATE TO OPERATE	164 CERTIFICATE TO OPERATE	165 CERTIFICATE TO OPERATE	166 CERTIFICATE TO OPERATE	167 CERTIFICATE TO OPERATE	168 CERTIFICATE TO OPERATE	169 CERTIFICATE TO OPERATE	170 CERTIFICATE TO OPERATE	171 CERTIFICATE TO OPERATE	172 CERTIFICATE TO OPERATE	173 CERTIFICATE TO OPERATE	174 CERTIFICATE TO OPERATE	175 CERTIFICATE TO OPERATE	176 CERTIFICATE TO OPERATE	177 CERTIFICATE TO OPERATE	178 CERTIFICATE TO OPERATE	179 CERTIFICATE TO OPERATE	180 CERTIFICATE TO OPERATE	181 CERTIFICATE TO OPERATE	182 CERTIFICATE TO OPERATE	183 CERTIFICATE TO OPERATE	184 CERTIFICATE TO OPERATE	185 CERTIFICATE TO OPERATE	186 CERTIFICATE TO OPERATE	187 CERTIFICATE TO OPERATE	188 CERTIFICATE TO OPERATE	189 CERTIFICATE TO OPERATE	190 CERTIFICATE TO OPERATE	191 CERTIFICATE TO OPERATE	192 CERTIFICATE TO OPERATE	193 CERTIFICATE TO OPERATE	194 CERTIFICATE TO OPERATE	195 CERTIFICATE TO OPERATE	196 CERTIFICATE TO OPERATE	197 CERTIFICATE TO OPERATE	198 CERTIFICATE TO OPERATE	199 CERTIFICATE TO OPERATE	200 CERTIFICATE TO OPERATE
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101 AGENCY USE ONLY	102 AGENCY USE ONLY	103 AGENCY USE ONLY	104 AGENCY USE ONLY	105 AGENCY USE ONLY	106 AGENCY USE ONLY	107 AGENCY USE ONLY	108 AGENCY USE ONLY	109 AGENCY USE ONLY	110 AGENCY USE ONLY	111 AGENCY USE ONLY	112 AGENCY USE ONLY	113 AGENCY USE ONLY	114 AGENCY USE ONLY	115 AGENCY USE ONLY	116 AGENCY USE ONLY	117 AGENCY USE ONLY	118 AGENCY USE ONLY	119 AGENCY USE ONLY	120 AGENCY USE ONLY	121 AGENCY USE ONLY	122 AGENCY USE ONLY	123 AGENCY USE ONLY	124 AGENCY USE ONLY	125 AGENCY USE ONLY	126 AGENCY USE ONLY	127 AGENCY USE ONLY	128 AGENCY USE ONLY	129 AGENCY USE ONLY	130 AGENCY USE ONLY	131 AGENCY USE ONLY	132 AGENCY USE ONLY	133 AGENCY USE ONLY	134 AGENCY USE ONLY	135 AGENCY USE ONLY	136 AGENCY USE ONLY	137 AGENCY USE ONLY	138 AGENCY USE ONLY	139 AGENCY USE ONLY	140 AGENCY USE ONLY	141 AGENCY USE ONLY	142 AGENCY USE ONLY	143 AGENCY USE ONLY	144 AGENCY USE ONLY	145 AGENCY USE ONLY	146 AGENCY USE ONLY	147 AGENCY USE ONLY	148 AGENCY USE ONLY	149 AGENCY USE ONLY	150 AGENCY USE ONLY	151 AGENCY USE ONLY	152 AGENCY USE ONLY	153 AGENCY USE ONLY	154 AGENCY USE ONLY	155 AGENCY USE ONLY	156 AGENCY USE ONLY	157 AGENCY USE ONLY	15
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OP	LOCATION	FACILITY	EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE - ORIGINAL
GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD REP.
YELLOW - APPLICANT



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

S E C T I O N	1 NAME OF OWNER / FORM Unlaza Corporation			4 NAME OF ARCHITECT / FIRM H2M Group, P.C.			6 TELEPHONE 516-756-8000			16 FACILITY NAME IF DIFFERENT FROM OWNER / FORM		
	2 NUMBER AND STREET ADDRESS Marcus Avenue, M/S IP 10			17 NUMBER AND STREET ADDRESS 575 Broad Hollow Road			18 CITY / TOWN / VILLAGE Great Neck			20 CITY / TOWN / VILLAGE Great Neck		
A A	3 CITY / TOWN / VILLAGE Great Neck			13 STATE NY			14 ZIP 11020			21 CITY / TOWN / VILLAGE Great Neck		
	4 OWNER CLASSIFICATION A ☐ COMMERCIAL C ☐ UTILITY F ☐ MUNICIPAL I ☐ RESIDENTIAL			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	5 TYPE OF CONSTRUCTION 1 ☐ ADDITION 2 ☐ ALTERATION 3 ☐ REPAIR 4 ☐ DEMOLITION			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	6 NAME OF P.E. OR ARCHITECT Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	7 NAME OF P.E. OR ARCHITECT Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	8 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	9 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	10 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	11 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	12 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	13 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	14 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	15 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	16 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	17 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	18 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	19 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	20 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	21 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	22 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	23 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	24 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	25 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	26 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	27 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	28 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	29 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	30 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
A A	31 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT John J. Holloway P.E.			18 CITY / TOWN / VILLAGE Melville			20 CITY / TOWN / VILLAGE Melville		
	32 SIGNATURE OF OWNER Laurence P. Niles			15 NAME OF P.E. OR ARCHITECT								

[illegible][illegible]

S C O D	INVENTORY CONTROLLED		MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
	QUANTITY	TYPE				
42	43	44		45	46 /	47
48	49	50		51	52 /	53

S E C T I O N E	CALCULATIONS
	See Calculation Sheet 2

S	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV RATIO	EMISSIONS				% CONTROL EFFIC CY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (T/HR)		
	NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET	PERMISSIBLE		EMP	ACTUAL	ACTUAL	1P	PERMISSIBLE
E	1,1,1-Trichloroethane	7 1 5 5 - 6	56	57	58	59	60	61	62	63	64	65	66	67	68
C	1,4-Diethylene dioxide	1 2 3 - 9 1 - 1	69	70	71	72	73	74	75	76	77	78	79	80	81
T	Glycol Methylene Ether	6 4 6 - 0 6 - 0	96	97	98	99	100	101	102	103	104	105	106	107	108
I	2-Butanol	7 8 - 9 2 - 2	109	110	111	112	113	114	115	116	117	118	119	120	121
O	2-Propanol	6 7 - 6 3 - 0	129	130	131	132	133	134	135	136	137	138	139	140	141
N	Trichlorotrifluoroethane	7 6 - 1 3 - 1	150	151	152	153	154	155	156	157	158	159	160	161	162

S E C T O R	SOLID FUEL TONS - YR		LIQUID FUEL THOUSANDS OF GALLONS - YR		GAS THOUSANDS OF CU YR		BLUET 153	 U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICABLE RULE
	TYPE	YR	TYPE	YR	TYPE	YR		
144	145	146	147	148	149	150	151	

156 BROWN (IRE OF AUTO) PRESIDENTIAL OFFICE

THE PROPOSED EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED REQUIREMENTS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

DATE 6/2/78

141. LOCATION (CITY)	142. FACILITY ID NO.	143. UTM (E)	144. UTM (N)	145. QC NUMBER	146. DATE APPL. RECEIVED	147. DATE APPL. REVIEWED	148. REGION

PERMIT TO CONSTRUCT

149. DATE RECEIVED: 150. EXPIRATION DATE: 151. SIGNATURE OF APPROVAL: 152. FEE:

153. DEVIATION FROM APPROVED APPLICATION (STATE) WHEN THIS IS MADE
 154. THIS IS NOT A CERTIFICATE TO OPERATE
 155. TESTS AND/OR ADDITIONAL INFORMATION (CITY) IS REQUIRED MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

CERTIFICATE TO OPERATE

156. DATE RECEIVED: 157. EXPIRATION DATE: 158. SIGNATURE OF APPROVAL: 159. FEE:

160. INSPECTED BY: DATE: 161. INSPECTION DISCLOSED DIFFERENCES AS BUILT VS. PLANT CHANGES (REMAINED) (FORM) 162. ISSUE CERTIFICATE TO OPERATE FOR SERVICE AS BUILT 163. APPLICATION FOR C.O. DENIED DATE: INITIALED:

AGENCY USE ONLY

OP	LOCATION	FACILITY	EMISSION POINT
			1

NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

SECTION A	1. NAME OF OWNER / FIRM Unilys Corporation	9. NAME OF AUTHORIZED AGENT	10. TELEPHONE	15. FACILITY NAME (IF DIFFERENT FROM OWNER / FIRM)
	2. NUMBER AND STREET ADDRESS Marcus Avenue, N/S IP 10	11. NUMBER AND STREET ADDRESS		16. FACILITY LOCATION (NUMBER AND STREET ADDRESS)
	3. CITY, TOWN, VILLAGE Great Neck	4. STATE NY	5. ZIP 11020	12. CITY, TOWN, VILLAGE
	13. STATE NY	14. ZIP 11020	17. CITY, TOWN, VILLAGE	18. ZIP
SECTION B	6. SPECIAL APPLICATION ☐ COMMERCIAL ☐ RESIDENTIAL ☐ INDUSTRIAL ☐ OTHER ☐ AGRICULTURAL ☐ RECREATION ☐ EDUCATION ☐ OTHER	7. NAME OF P.E. OR ARCHITECT PREPARED APPLICATION <i>[Signature]</i>	8. N.Y.S.P.E. OR ARCHITECT LICENSE NO.	19. BUILDING NAME OR NUMBER
	10. STARTUP DATE	11. DRAWING NUMBER OF PLANS SUBMITTED		20. FLOOR NAME OR NUMBER
	12. PERMIT TO CONSTRUCT ☐ NEW SOURCE ☐ EXISTING SOURCE ☐ MODIFICATION	13. CERTIFICATE TO OPERATE ☐ NEW SOURCE ☐ EXISTING SOURCE ☐ MODIFICATION		
	14. SIGNATURE OF OWNER REPRESENTATIVE OR AGENT WHEN APPLICANT HAS NOT BEEN CONSTRUCTED			

15. EMISSIONS CONTROL EQUIPMENT ID	16. EMISSIONS CONTROL EQUIPMENT TYPE	17. EMISSIONS CONTROL EQUIPMENT MANUFACTURER'S NAME AND MODEL NUMBER	18. DISPOSAL METHOD	19. DATE INSTALLED (MONTH / YEAR)	20. USEFUL LIFE
EP 013					

SECTION C	21. DESCRIBE PROCESS OR UNIT

22. EMISSIONS CONTROL EQUIPMENT ID	23. EMISSIONS CONTROL EQUIPMENT TYPE	24. EMISSIONS CONTROL EQUIPMENT MANUFACTURER'S NAME AND MODEL NUMBER	25. DISPOSAL METHOD	26. DATE INSTALLED (MONTH / YEAR)	27. USEFUL LIFE

SECTION D	28. CALCULATIONS

S E C T I O N	CONTAMINANT			INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS				% CONTROL EFFICIENCY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (LB/YR)	
	NAME	CAS NUMBER					ACTUAL	UNIT	PERMISSIBLE	ERP		ACTUAL	ACTUAL	PERMISSIBLE	
F	Methyl Alcohol	67-58-1	67	57	58	59	0.0021	1	6	0	0.0021	0.0021	0.84	0	0
	Nitromethane	75-52-5	75	127	73	74	0.000076	1	6	0	0.000076	0.000076	0.030	0	0
	-	-	86	87	88	89				93	94	95	97	98	
	-	-	100	100	100	104	105	106	107	108	109	110	111	112	113
	-	-	116	117	118	119	120	121	122	123	124	125	126	127	128
	-	-	130	132	133	134	135	136	137	138	139	140	141	142	143

29. TYPE	30. SOURCE TYPE	31. TYPE	32. TYPE	33. TYPE	34. TYPE	35. TYPE	36. TYPE	37. TYPE	38. TYPE	39. TYPE	40. TYPE	41. TYPE	42. TYPE	43. TYPE	44. TYPE	45. TYPE	46. TYPE	47. TYPE	48. TYPE	49. TYPE	50. TYPE	51. TYPE	52. TYPE	53. TYPE	54. TYPE	55. TYPE	56. TYPE	57. TYPE	58. TYPE	59. TYPE	60. TYPE	61. TYPE	62. TYPE	63. TYPE	64. TYPE	65. TYPE	66. TYPE	67. TYPE	68. TYPE	69. TYPE	70. TYPE	71. TYPE	72. TYPE	73. TYPE	74. TYPE	75. TYPE	76. TYPE	77. TYPE	78. TYPE	79. TYPE	80. TYPE	81. TYPE	82. TYPE	83. TYPE	84. TYPE	85. TYPE	86. TYPE	87. TYPE	88. TYPE	89. TYPE	90. TYPE	91. TYPE	92. TYPE	93. TYPE	94. TYPE	95. TYPE	96. TYPE	97. TYPE	98. TYPE	99. TYPE	100. TYPE
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Under consideration of construction sign the statements below and forward to the appropriate field representative.

THE PERMIT FOR EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED

100. SIGNATURE OF APPLICANT

101. DATE

102. FACILITY NO.	103. DATE APPL. RECEIVED	104. DATE APPL. REVIEWED	105. DATE

PERMIT TO CONSTRUCT			
106. DATE	107. DATE	108. DATE	109. DATE

CERTIFICATE TO OPERATE			
110. DATE	111. DATE	112. DATE	113. DATE

114. SPECIAL COMMENTS	115. SPECIAL COMMENTS	116. SPECIAL COMMENTS	117. SPECIAL COMMENTS

LOCATION	FACILITY	EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE - ORIGINAL
GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER/FIRM Unlays Corporation		4 NAME OF AUTHORIZED AGENT H2M Group, P.C.		10 TELEPHONE 516-756-8000		16 FACILITY NAME IF DIFFERENT FROM OWNER/FIRM	
2 ADDRESS AND STREET ADDRESS Marcus Avenue, N/S 1P 10		11 ADDRESS AND STREET ADDRESS 575 Broad Hollow Road		12 CITY, TOWN, VILLAGE Great Neck		13 STATE NY	
3 CITY, TOWN, VILLAGE Great Neck		14 ZIP 11020		15 CITY, TOWN, VILLAGE Melville		16 STATE NY	
17 NAME OF THE ORGANIZATION PREPARING APPLICATION John J. Molloy, P.E.		18 NY E.P.E. OR ARCHITECT LICENSE NO. 055141		19 TELEPHONE 756-8000		20 BUILDING NAME OR NUMBER Manufacturing	
21 FLOOR NAME OR NUMBER Ground Floor-Clean Rm.		22 STARTUP DATE 3/90		23 DRAWING NUMBER OF PLANS SUBMITTED Air Emission Survey		24 PERMIT TO CONSTRUCT ☒ YES ☐ NO	
25 CERTIFICATE TO OPERATE ☒ YES ☐ NO		26 SIGNATURE OF OWNER'S REPRESENTATIVE <i>[Signature]</i>		27 SIGNATURE OF AGENT'S REPRESENTATIVE <i>[Signature]</i>		28 SIGNATURE OF APPLICANT <i>[Signature]</i>	

EMISSION POINT	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
EMISSION POINT	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200

1. DESCRIBE PROCESS OR UNIT AMI Screen Printer		2. PRINTS SOLDER/ROSN FLUX PASTE ON TO VERY SMALL CIRCUIT BOARDS	
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EMISSION POINT	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH/YEAR	USEFUL LIFE
1	2	3	4	5	6

See Calculation Sheet 4

S E C T I O N	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV REQD	EMISSIONS				% CONTROL EFFIC CY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (LB/YR)	
	NAME	CAS NUMBER				ACTUAL	UNIT	PERMISSIBLE		ERP	ACTUAL	ACTUAL	PERMISSIBLE	
F	1,1,1-Trichloroethane	7 1 - 5 5 - 6	54	55	56	0.26	1	6	0	0.26	0.26	6.2	1	
	1,4-Diathylene Dioxide	1 2 3 - 9 1 - 1	71	72	73	0.0038	1	6	0	0.0038	0.0038	9.1	0	
	Glycol Methylene Ether	6 4 6 - 0 6 - 0	88	89	90	0.0036	1	6	0	0.0036	0.0036	0.86	0	
	2-Butanol	7 8 - 9 3 - 2	100	101	102	0.0036	1	6	0	0.0036	0.0036	0.86	0	
	Isopropyl Alcohol	6 7 - 7 3 - 0	110	111	112	0.0098	1	6	0	0.0098	0.0098	0.24	0	
			131	132	133									

TYPE	SOLID FUEL TONS/YR	LIQUID FUEL THOUSANDS OF GALLONS/YR	GAS THOUSANDS OF CF/YR	APPLICABLE RULE
1	2	3	4	5

I hereby certify that the information furnished herein is true and correct and that the system described herein will be operated in accordance with the conditions of the permit or certificate issued hereon.

PERMIT TO CONSTRUCT

1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
2. THIS IS NOT A CERTIFICATE TO OPERATE
3. THIS IS NOT A CERTIFICATE TO OPERATE FOR A PERMIT TO CONSTRUCT

CERTIFICATE TO OPERATE

1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
2. THIS IS NOT A CERTIFICATE TO CONSTRUCT
3. THIS IS NOT A CERTIFICATE TO CONSTRUCT FOR A PERMIT TO CONSTRUCT

1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
2. THIS IS NOT A CERTIFICATE TO CONSTRUCT
3. THIS IS NOT A CERTIFICATE TO CONSTRUCT FOR A PERMIT TO CONSTRUCT

OP LOCATION FACILITY EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE - ORIGINAL
GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD RFP
YELLOW - APPLICANT



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF APPLICANT
Unisys Corporation

2 NAME OF AUTHORIZED AGENT
H2M Group, P.C.

3 TELEPHONE
516-756-8000

4 FACILITY NAME IF DIFFERENT FROM UNIT/ITEM

5 NUMBER AND STREET ADDRESS
Marcus Avenue, M/S IP 10

6 NUMBER AND STREET ADDRESS
575 Broad Hollow Road

7 FACILITY LOCATION NUMBER AND STREET ADDRESS

8 CITY-TOWN-VILLAGE
Great Neck

9 STATE
NY

10 ZIP
11020

11 CITY-TOWN-VILLAGE
Malville

12 STATE
NY

13 ZIP
11747

14 BUILDING NAME OR NUMBER
Manufacturing

15 FLOOR NAME OR NUMBER
Ground Floor-Clean Rm

16 START UP DATE
3/90

17 DRAWING NUMBER OF PLANS SUBMITTED
Air Emission Survey

18 PERMIT TO CONSTRUCT
A ☒ NEW SOURCE B ☐ EXISTING SOURCE

19 CERTIFICATE TO OPERATE
A ☒ NEW SOURCE B ☐ EXISTING SOURCE

20 NAME OF APPLICANT
Laurence F. Miles

21 TELEPHONE
516-1121

22 SIGNATURE OF AUTHORIZED AGENT
John J. Molloy, P.E. 055141

23 TELEPHONE
756-8000

24 EMISSION POINT NO.
E P 016

25 DUCTWORK
127

26 HEAVY ABOVE STRUCTURE
6

27 STACK
34

28 BRIDGE
12

29 EXISTING
72

30 EXISTING
21

31 EXISTING
1000

32 SOURCE CODE

33 HOURS / DAY
8

34 DAYS / YR
60

35 OPERATING REASON
Winter Spring Summer Fall

36 5 2 5 2 5 2 5

37 DESCRIBE PROCESS OR UNIT
Markem Part Marking Machine
Small offset printer labels parts

38 EMISSION CONTROL EQUIPMENT NO.
43

39 CONTROL TYPE
44

40 MANUFACTURER'S NAME AND MODEL NUMBER

41 DISPOSAL METHOD
46

42 DATE INSTALLED MONTH / YEAR
47

43 USEFUL LIFE

44 CALCULATIONS
See Calculation Sheet 6

CONTAMINANT	NAME	CAS NUMBER	INPUT OF PRODUCTION	UNIT	ENV. RATING	EMISSIONS			% CONTROL EFFIC. CY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (LB/YR)	
						ACTUAL	UNIT	PERMISSIBLE		ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
1	Tributyl Phosphate	12673-8	56	57	58	0.0071	1.6	0	0	0.0081	0.0081	3.9	0
2	Triethyl Phosphate	78-40-0	71	72	73	0.0023	1.6	0	0	0.0023	0.0023	1.1	0
3	Ethylene Glycol	2807-30-9	86	87	88	0.0075	1.6	0	0	0.0075	0.0075	3.6	0
4	Monopropyl ether	105	106	107	108	0.0074	1.6	0	0	0.0074	0.0074	3.6	0
5	Isopropyl Alcohol	67-63-0	116	117	118	0.0074	1.6	0	0	0.0074	0.0074	3.6	0
6	Ethyl Acetate	141-78-6	126	127	128	0.0074	1.6	0	0	0.0074	0.0074	3.6	0

45 TYPE
126

46 SOLID FUEL THOUS. LBS/YR
127

47 TYPE
128

48 LIQUID FUEL THOUSANDS OF GALLONS/YR
129

49 TYPE
130

50 GAS THOUSANDS OF CFYR
131

51 APPLICABLE RULE
132

I hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief, and that the same complies with the requirements of the Air Pollution Control Law and the Regulations thereunder.

133 PERMIT TO CONSTRUCT

134 CERTIFICATE TO OPERATE

135 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT

136 THIS IS NOT A CERTIFICATE TO OPERATE

137 THIS IS NOT AN ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

138 SIGNATURE OF APPLICANT

139 SIGNATURE OF AGENT

140 DATE

141 INITIALS

142 SPECIAL COMMENTS

LOCATION FACILITY EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE - ORIGINAL
GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF OWNER / FIRM Uniays Corporation			9 NAME OF AUTHORIZED AGENT H2M Group, P.C.			10 TELEPHONE 516-756-8000			16 FACILITY NAME (IF DIFFERENT FROM OWNER / FIRM)		
7 TRAILER AND STREET ADDRESS Marcus Avenue, M/S 1P 10			11 NUMBER AND STREET ADDRESS 575 Broad Hollow Road			12 FACILITY LOCATION NUMBER AND STREET ADDRESS			17 CITY - TOWN - VILLAGE		
3 CITY - TOWN - VILLAGE Great Neck			4 STATE NY			5 ZIP 11020			13 CITY - TOWN - VILLAGE Melville		
6 STATE NY			7 ZIP 11020			14 CITY - TOWN - VILLAGE NY			15 ZIP 11747		
2 OWNER CLASSIFICATION A ☐ COMMERCIAL C ☐ INDUSTRY F ☐ MUNICIPAL I ☐ RESIDENTIAL B ☐ FEDERAL D ☐ FEDERAL G ☐ EDUC INST J ☐ OTHER			18 NAME OF PERSON OR ARCHITECT PREPARING APPLICATION John J. Molloy, P.E.			19 NY S.P.E. OR ARCHITECT LICENSE NO. 055161			20 TELEPHONE 756-8000		
14 NAME OF PERSON OR ARCHITECT PREPARING APPLICATION Laurence F. Miles			15 TELEPHONE 516-574-1121			21 BUILDING NAME OR NUMBER Manufacturing			22 FLOOR NAME OR NUMBER Ground Floor- Clean Rm.		
23 START UP DATE 3 / 90			24 DRAWING NUMBERS OF PLANS SUBMITTED Air Emission Survey			25 PERMIT TO CONSTRUCT A ☒ NEW SOURCE B ☐ MODIFICATION			26 CERTIFICATE TO OPERATE A ☒ NEW SOURCE C ☐ CENTRAL SOURCE B ☐ MODIFICATION		

17 SOURCE CODE EP 017	18 FURNACE ELEVATION (FT) 127	19 REPORT AREA (SQ FT) 6	20 STATE (IN FT) 34	21 INCHES (IN) 12	22 FEET (FEET) 16	23 VELOCITY (FT/SEC) 1200	24 EMISSION RATE (LB/HR) 8	25 HRS / DAY 60	26 DAYS / YR 25	27 WINTER 25	28 SPRING 25	29 SUMMER 25	30 FALL 25
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31 DESCRIBE PROCESS OR UNIT I.R. Belt Reflow Furnace	32	33	34	35	36	37	38	39	40	41	42	43	44
--	----	----	----	----	----	----	----	----	----	----	----	----	----

45 EMISSION CONTROL EQUIPMENT ID	46 CONTROL TYPE	47 MANUFACTURER'S NAME AND MODEL NUMBER	48 DISPOSAL METHOD	49 DATE INSTALLED MONTH / YEAR	50 USEFUL LIFE
45	46	47	48	49	50

CALCULATIONS

Rosin FLUX: Usage rate = 1 gal/yr, 63% volatile, 37% rosin

63% Isopropyl Alcohol: ERP = (0.63) (7.47 lb/hr) (1 gal/yr) (1 day/8 hr) (1 yr/60 days) = 0.0098 lb/hr

37% Rosin: ERP = (0.37) (7.47 lb/hr) (1 gal/yr) (1 day 8 hrs) (1 yr/60 days) = 0.0058 lb/hr

S	CONTAMINANT		INPUT OIL PRODUCTION (PBT)	ENV. RATING	EMISSIONS				% CONTROL EFFIC. CY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (LB/YR)		
	NAME	CAS NUMBER			ACTUAL	UNIT	ROW DET.	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10'	PERMISSIBLE
E	51	Isopropyl Alcohol	52	53	0.0098	1	6	63	0	0.0098	0.0098	4.7	0	60
C	54	Rosin	55	56	0.0058	1	6	71	0	0.0058	0.0058	2.8	0	63
T	57	Particulate	58	59	Trace	1	6	90	0	Trace	Trace	-	-	90
I	60		61	62				100	100			110	111	112
O	113		114	115				120	121	122	123	124	125	126
N	129		130	131				130	131	132	133	134	135	136
F	139		140	141				140	141	142	143			

56 TYPE 144	57 SOLID FUEL TONS / YR 145	58 % S 146	59 TYPE 147	60 LIQUID FUEL THOUSANDS OF GALLONS / YR 148	61 % S 149	62 TYPE 150	63 GAS THOUSANDS OF CFYR 151	64 STUFF 152	65 APPLICABLE RULE
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Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF ANY APPLICABLE REGULATIONS

156 SIGNATURE OF APPLICANT
[Signature]

157 DATE
8/24/90

158 LOCATION	159 FACILITY IN USE	160 TEST ID	161 U.T.M. ID	162 S.C. NUMBER	163 DATE APPL. RECEIVED	164 DATE APPL. REVIEWED
PERMIT TO CONSTRUCT 165 DATE ISSUED 166 EXPIRATION DATE 167 SIGNATURE OF APPROVAL 168 FEE						
CERTIFICATE TO OPERATE 169 DATE 170 SIGNATURE OF APPROVAL 171 FEE						
172 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 173 THIS IS NOT A CERTIFICATE TO OPERATE 174 TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE						
175 ☐ REOPENED BY 176 ☐ INSPECTION RESULT (TEST DIFFERENCES AS MULTIPLE TESTS INDICATED ON FORM) 177 ☐ ISSUE CERTIFICATE TO OPERATE FOR FURTHER AS MULTIPLE 178 ☐ APPLICATION FOR CO. PRINTED						

OF	LOCATION	FACILITY	EMISSION POINT

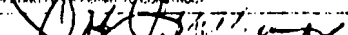
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

WHITE . ORIGINAL
 GREEN . DIVISION OF AIR
 WHITE . REGIONAL OFFICE
 WHITE . FIELD REP
 YELLOW . APPLICANT



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

S C E T I O N	1 NAME OF OWNER / FIRM Unisys Corporation			4 NAME OF AUTHORIZED AGENT Holzmecher, McLendon & Murrell, P.C.			10 TELEPHONE 516-756-8000			15 FACILITY NAME IF DIFFERENT FROM OWNER / FIRM		
	3 NUMBER AND STREET ADDRESS Marcus Avenue M/S IP 10			11 NUMBER AND STREET ADDRESS 575 Broad Hollow Road						16 FACILITY LOCATION NUMBER AND STREET ADDRESS		
A	5 CITY / TOWN / VILLAGE Great Neck			6 STATE NY			7 ZIP 11020			13 CITY / TOWN / VILLAGE Malville		
	8 STATE NY			9 ZIP 11020			14 STATE NY			15 ZIP 11747		
A	2 OWNER CLASSIFICATION A ☐ COMMERCIAL C ☐ FEDERAL D ☐ EDUC INST E ☐ OTHER			12 NAME OF P.E. OR ARCHITECT OR ENGINEER John J. Molloy, P.E.			14 TYPE OF OR ARCHITECT OR ENGINEER 055141			17 TYPE OF WORK 516-756-8000		
	3 TYPE OF FACILITY OR SOURCE OF POLLUTANT Laurence P. Miles			4 TYPE OF FACILITY OR SOURCE OF POLLUTANT 516-756-8000			12 SIGNATURE OF OWNER OR ENGINEER OR ARCHITECT OR ENGINEER 			17 TYPE OF WORK 516-756-8000		
18 MANUFACTURING 19 START / END DATE 20 AIR EMISSION SURVEY 21 PERMIT TO CONSTRUCT 22 PERMIT TO OPERATE												

S E C I D	1. TUNNEL LENGTH (F)		3. CIRCUMF PERIMETER (F)	5. HEIGHT AND DI AMETER (F)	7. STAIRS OR RAMP (F)	9. INSIDE TEMPERATURE (F)	11. EXIT TEMP (F)	13. EXIT VELOCITY (FT/SEC)	15. EXIT FLOW RATE (GPM)	17. SOURCE CODE	19. DATE, TIME	21. DAYS / YR	23. INFORMATION BY SENSOR			
	E P 0	1 8	127	6	34	12	72	21	1000				4	60	2/5	2/5

S C C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

SECTION	EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
	43	44	46	46	47	
48	49	50	51	52	53	

CALCULATIONS

Rosin Flux: Usage rate = 1 pint/yr, 63% volatile, 37% Rosin

63% Isopropyl Alcohol: ERF = (0.63) (7.47 lb/gal) (1 pint/yr) (1 gal/8 pints) (1 day/8 pints) (1 day/4 hrs)
(1 yr/60 days) = 0.0025 lb/hr

37% Rosin: ERF = (0.37) (7.47 lb/gal) (1 pint/yr) (1 gal/8 pints) (1 day/4 hrs) (1 yr/60 days) = 0.0014 lb/hr

S E C T I O N	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS				% CONTROL EFFIC CY	HOURLY EMISSIONS (LB/HR)		ANNUAL EMISSIONS (LB/YR)		
	NAME	CAS NUMBER				ACTUAL	UNIT	HOW REL.	PERMISSIBLE		EMP	ACTUAL	ACTUAL	10'	PERMISSIBLE
64	Isopropyl Alcohol	55	56	57	58	59	60	61	62	63	64	65	66	67	68
69		67 63-0	70	71	72	73	74	75	76	77	78	79	80	81	82
84	Resin	8050-09-7	83	84	85	86	87	88	89	90	91	92	93	94	95
99	Particulate	NY 07500-0	100	101	102	103	104	105	106	107	108	109	110	111	112
114		-	116	117	118	119	120	121	122	123	124	125	126	127	128
129		-	130	131	132	133	134	135	136	137	138	139	140	141	142

SECTION	SOLID FUEL TON/YR				LIQUID FUEL THOUSANDS OF GALLONS/YR				GAS THOUSANDS OF CF/YR				STUDY YEAR	APPLICABLE RULE
	TYPE		TOTAL	% S	TYPE		TOTAL	% S	TYPE		TOTAL	% S		
110	111		116	117	118		123	124	125		130	131	132	134

U.S. Department of Transportation
The Federal Highway Administration has been constructed and will be operated in accordance with State
of California and all other laws, rules and regulations.

147 BUREAU OF HIGHWAYS
100 SENT
MATT

2/98

156 LOCATION CODE	157 FACILITY ID NO	158 UTM (E)	159 UTM (N)	160 SIC NUMBER	161 DATE APP. RECEIVED	162 DATE APP. REVIEWED

PERMIT TO CONSTRUCT

163 DATE RECEIVED	164 EXPIRATION DATE	165 SIGNATURE OF APPROVAL	166 TEXT

1. DEVIATION FROM APPROVED APPLICATION (R1A1) VOID EMPLOYMENT

2. THIS IS NOT A CERTIFICATE TO OPERATE

3. IF R1B APPROVED APPROVAL EXPIRATION CERTIFICATE MAY BE EXTENDED FURTHER BY THE ISSUANCE OF A CERTIFICATE TO EXTEND

CERTIFICATE TO OPERATE

167 DATE RECEIVED	168 EXPIRATION DATE	169 SIGNATURE OF APPROVAL	170 TEXT

1. ☐ EXTENDED BY _____ DATE _____

2. ☐ APPROVAL EXPIRED DIFFERENT IN NUMBER OF MONTHS FROM APPROVAL

3. ☐ ISSUE CERTIFICATE TO OPERATE FOR NUMBER MONTHS _____

4. ☐ APPLICATION FOR C.O. DENIED _____ DATE _____ R1A1ED

171 SPECIAL COMMENTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
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GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT

PROCESS, EXHAUST OR VENTILATION SYSTEM
APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

LOCATION FACILITY EMISSION POINT

5 ADD
6 CHANGE
7 DELETE

READ INSTRUCTIONS
CONTAINED IN
FORM 10-11-12
BEFORE ANSWERING
ANY QUESTION

1 NAME OF PARTY IN FIRM
Unisys Corporation

2 NAME OF AUTHORIZED AGENT
H2M Group, P.C.

3 TELEPHONE
516-8000

4 FACILITY NAME IF DIFFERENT FROM OWNER / FIRM

5 ADDRESS AND STREET NUMBER
Marcus Avenue, N/S IP 10

6 CITY, TOWN, VILLAGE
Great Neck

7 STATE
NY

8 ZIP
11020

9 NAME OF P.E. OR ARCHITECT
John J. Molloy, P.E.

10 TELEPHONE
516-756-8000

11 BUILDING NAME OR NUMBER
Manufacturing

12 FLOOR NAME OR NUMBER
Ground Floor-Clean Rm.

13 START OF DATE
2/90

14 DRAWING NUMBER OF PLANS SUBMITTED
Air Emission Survey

15 SIGNATURE OF OWNER REPRESENTATIVE OR AGENT WHEN APPLICANT IS NOT THE FIRM
[Signature]

16 SIGNATURE OF P.E. OR ARCHITECT WHEN APPLICANT IS NOT THE FIRM
[Signature]

17 SIGNATURE OF OWNER REPRESENTATIVE OR AGENT WHEN APPLICANT IS NOT THE FIRM
[Signature]

18 SIGNATURE OF P.E. OR ARCHITECT WHEN APPLICANT IS NOT THE FIRM
[Signature]

19 EMISSION CONTROL EQUIPMENT ID
EP 014

20 CONTROL TYPE
127

21 MANUFACTURER'S NAME AND MODEL NUMBER
6

22 DISPOSAL METHOD
34

23 DATE INSTALLED MONTH / YEAR
8

24 USEFUL LIFE
72

25 EMISSION RATE (LBS/YR)
24

26 EMISSION RATE (LBS/YR)
500

27 EMISSION RATE (LBS/YR)
4

28 EMISSION RATE (LBS/YR)
100

29 EMISSION RATE (LBS/YR)
2/5 2/5 2/5 2/5

30 DESCRIBE PROCESS OR UNIT

31

32

33

34

35 EMISSION CONTROL EQUIPMENT ID
49

36 CONTROL TYPE
15

37 MANUFACTURER'S NAME AND MODEL NUMBER
14

38 DISPOSAL METHOD
48

39 DATE INSTALLED MONTH / YEAR
48

40 USEFUL LIFE
47

41 CALCULATIONS

See Calculation Sheet 2

S F C I O N F	CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS				% CONTROL EFFIC. CT.	HOURLY EMISSIONS (LBS/YR)		ANNUAL EMISSIONS (LBS/YR)	
	NAME	CAS NUMBER				ACTUAL	UNIT	NEW DEL.	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10' PERMISSIBLE
1	1,1,1-Trichloroethane	71-55-6	51	47	54	0.16	1	6	0	0.16	0.16	6.4	1	
2	1,4-Diethylene Dioxide	123-91-1	71	72	73	0.0056	1	6	0	0.0056	0.0056	2.2	0	
3	Glycol Methylene Ether	646-06-0	84	87	88	0.0054	1	6	0	0.0054	0.0054	2.2	0	
4	2-Butanol	78-92-2	101	108	109	0.0054	1	6	0	0.0054	0.0054	2.2	0	
5	2-Propanol	67-63-0	118	117	118	0.098	1	6	0	0.098	0.098	3.9	1	
6	Trichlorotrifluoroethane	76-13-1	131	132	133	0.18	1	6	0	0.18	0.18	7.2	1	

42 TYPE
144

43 SOLID FUEL
145

44 TYPE
146

45 LIQUID FUEL
147

46 TYPE
148

47 GAS
149

48 TYPE
150

49 THOUSANDS OF CF/YR
151

50 STUCCO
152

51 TYPE
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52 TYPE
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53 TYPE
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97 TYPE
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98 TYPE
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Upon completion of construction sign the statement below and forward to the appropriate field representative.

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED EMISSION RATES AND IS COMPLIANT WITH ALL PROVISIONS OF PERTINENT REGULATIONS.

186 SIGNATURE OF AUTHORIZED AGENT
[Signature]

187 DATE
6/2/90

188 DATE APPL. RECEIVED
6/2/90

189 DATE APPL. REVIEWED
6/2/90

190 PROFESSIONAL
[Signature]

191 PERMIT TO CONSTRUCT

192 PERMIT TO CONSTRUCT

193 PERMIT TO CONSTRUCT

194 PERMIT TO CONSTRUCT

195 PERMIT TO CONSTRUCT

196 PERMIT TO CONSTRUCT

197 PERMIT TO CONSTRUCT

198 PERMIT TO CONSTRUCT

199 PERMIT TO CONSTRUCT

200 PERMIT TO CONSTRUCT

201 PERMIT TO CONSTRUCT

202 PERMIT TO CONSTRUCT

203 PERMIT TO CONSTRUCT

204 PERMIT TO CONSTRUCT

205 PERMIT TO CONSTRUCT

206 PERMIT TO CONSTRUCT

207 PERMIT TO CONSTRUCT

208 PERMIT TO CONSTRUCT

209 PERMIT TO CONSTRUCT

210 PERMIT TO CONSTRUCT

211 PERMIT TO CONSTRUCT

212 PERMIT TO CONSTRUCT

213 PERMIT TO CONSTRUCT

214 PERMIT TO CONSTRUCT

215 PERMIT TO CONSTRUCT

216 PERMIT TO CONSTRUCT

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Continuation

OP	LOCATION	FACILITY	EMISSION POINT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE - ORIGINAL
GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

1 NAME OF THRU PARTY	2 NAME OF AUTHORIZED AGENT	3 IF FIRM	4 FACILITY NAME (IF DIFFERENT FROM 1)
Unisys Corporation			
5 NUMBER AND STREET ADDRESS	6 NUMBER AND STREET ADDRESS	7 FACILITY LOCATION (NUMBER AND STREET ADDRESS)	
Marcus Avenue N/S/ IP 10			
8 CITY - TOWN - VILLAGE	9 STATE	10 ZIP	11 CITY - TOWN - VILLAGE
Great Neck	NY	11747	
12 OWNER CLASSIFICATION	13 NAME OF P.E. OR ARCHITECT	14 N.Y.S.P.E. OR ARCHITECT LICENSE NO.	15 TELEPHONE
A ☐ COMMERCIAL B ☐ LITERARY C ☐ MUNICIPAL D ☐ RESIDENTIAL			
E ☐ INDUSTRIAL F ☐ FEDERAL G ☐ EDUC INST H ☐ OTHER			
16 NAME & TITLE OF OWNER REPRESENTATIVE	17 TELEPHONE	18 SIGNATURE OF OWNER REPRESENTATIVE OR AGENT WHEN APPLICANT FOR PERMIT TO CONSTRUCT	19 PERMIT TO CONSTRUCT
			A ☐ NEW SOURCE B ☐ MODIFICATION
			20 CERTIFICATE TO OPERATE
			A ☐ NEW SOURCE B ☐ EXISTING SOURCE

21 LOCATION POINT (A)	22 ELEVATION (FT)	23 HEIGHT ABOVE STRUCTURE (FT)	24 STACK HEIGHT (FT)	25 STACK TEMPERATURE (°F)	26 EXIT TEMPERATURE (°F)	27 EXIT VELOCITY (FT/SEC)	28 EXIT FLOW RATE (ACFM)	29 SOURCE CODE	30 HRS / DAY	31 DAYS / YR	32 OPERATING SEASON
E P O 14											Winter Spring Summer Fall

33 DESCRIBE PROCESS OR UNIT	34	35	36	37

EMISSION CONTROL EQUIPMENT ID	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42	43	44	45	46	47
48	49	50	51	52	53

54 CALCULATIONS

CONTAMINANT	NAME	CAS NUMBER	INPUT OR PRODUCTION UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
					ACTUAL	UNIT	HOW DEL.	PERMISSIBLE		ACTUAL	PERMISSIBLE	ACTUAL	PERMISSIBLE
Methyl Alcohol		67-56-1	55	56	0.0021	1	6	68	0	0.0021	0.0021	0.84	0
Nitromethane		75-52-5	70	71	0.000076	1	6	77	0	0.000076	0.000076	0.030	0
			84	85				88					
			89	90				93					
			100	101				103					
			114	115				118					
			129	130				133					

57 TYPE	58 SOLID FUEL THOUS. TONS / YR	59 TYPE	60 LIQUID FUEL THOUSANDS OF GALLONS / YR	61 TYPE	62 GAS THOUSANDS OF CFYR	63 SLUDGE	64 APPLICABLE RULE
144	145	146	147	148	149	150	151

I hereby certify that the information furnished herein is true and correct and that the process, exhaust or ventilation system has been constructed and will be operated in accordance with stated specifications and all requirements with all provisions of existing regulations.

152 SIGNATURE OF OWNER REPRESENTATIVE OR AGENT

153 DATE

154 LOCATION CODE	155 FACILITY ID NO.	156 LITM (E)	157 LITM (H)	158 SIC NUMBER	159 DATE APPL. RECEIVED	160 DATE APPL. REVIEWED	161 REVIEWED BY

PERMIT TO CONSTRUCT			
162 DATE RECEIVED	163 EXPIRATION DATE	164 SIGNATURE OF APPROVAL	165 TYP

CERTIFICATE TO OPERATE			
166 DATE RECEIVED	167 EXPIRATION DATE	168 SIGNATURE OF APPROVAL	169 TYP

170 SPECIAL COMMENTS	171	172	173

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Thomas C. Jorling
Commissioner

**New York State Department of Environmental Conservation
Regulatory Fee Determination Unit**

Box 5973 BPO
New York, New York 10087-5973

INVOICE NUMBER: 302114970000

INVOICE DATE: 10/29/90

BILL TO: UNISYS CORPORATION
MARCUS AVE M/S 1-P-10
GREAT NECK, NY 11020

PAGE: 1

ATTENTION: JOSEPH P SLATTERY JR DIR-FAC

BILLING PERIOD: 01/01/90-12/31/90

>>>>

1990 HAZARDOUS WASTE PROGRAM FEE

FEE
AMOUNT

EPA ID NUMBER: NYD075796037

GENERATOR FEE

For 15 - 100 Tons of hazardous waste generated per year

\$ 1,000.00

1990 TOTAL HAZARDOUS WASTE PROGRAM FEE: \$ 1,000.00

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COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
MINEOLA, NEW YORK 11501-4822

August 8, 1990

CERTIFIED MAIL

Mr. Larry F. Miles
Director, Facilities
UNISYS (Sperry) Corporation
Marcus Avenue, Mail Sta. 1P-10
Great Neck, New York 11020

Re: Industrial Discharge Permit No. 26

Dear Mr. Miles:

Enclosed herewith, please find the Industrial Discharge Permit issued on August 1, 1990 for your company by the Nassau County Department of Public Works.

Thank you for your cooperation.

Very truly yours,

James A. Oliva

James A. Oliva, P.E.
Director of Environmental Operations

JAO:IA:sm
enc.

cc: Richard A. Webber

90
FM

NASSAU COUNTY
DEPARTMENT OF PUBLIC WORKS

Division of Sanitation and Water Supply
Industrial Pretreatment Program
Cedar Creek Plant, P.O. Box 88, Wantagh, NY 11793

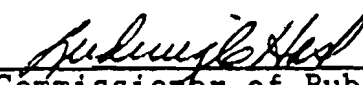
INDUSTRIAL DISCHARGE PERMIT NO. 26
This Permit Is Not Transferable

Fee: \$20.00

Effective Date: July 15, 1990

Expires: July 14, 1993

Amendment to Sewer Connection Permit:
No. S033647


Commissioner of Public Works
Ludwig C. Hasl, P.E. *FLM*

In compliance with the requirements of the Federal Water Pollution Control Act (also known as the Clean Water Act as amended), Nassau County Ordinance No. 266-1985, categorical and local discharge limitations, in accordance with your application completed on 07/26/90 and other conditions set forth herein:

Company: UNISYS (Sperry) Corporation

IPP ID#: 21109907

Description: Electronic radar assembly (alodining) and photolab

Classified by SIC Codes: 3812 3479

Subject to categorical pretreatment standards: Y [X] N []

Name of standards: Electroplating/Metal Finishing

Effective date of compliance: 02-15-86

is permitted to discharge wastewater from its facilities located at
Marcus Ave, Mail Sta 1P-10, Great Neck NY 11020
(Section, Block, Lot: 080B180300)
into the sewers tributary to Bay Park Sewage Treatment Plant.

The Applicant agrees to:

1. Discharge wastewater only in accordance with the terms and conditions of this Permit and comply with all the requirements of Nassau County Ordinance No. 266-1985 and appropriate categorical limitations (more stringent limitations shall apply).

2. Provide complete cooperation to the County, its employees, agents and representatives allowing reasonable access to the plant and pretreatment facilities for all inspections including, but not limited to, measurement and sampling of wastewater.

3. Maintain all records relating to the wastewater discharge flow rate, sampling results and methods of analyses for a minimum of three (3) years.

4. Provide the Department of Public Works as far in advance as is reasonably practicable all information relating to any actual or proposed material change in:

- a) Volume of discharge (gpd)
- b) Processes or chemicals used at the facility
- c) Pretreatment facilities
- d) Average daily rate of production
- e) Content of discharge
- f) New sewer connection
- g) Expansion or new construction
- h) Termination of discharge

5. Submit a "Semi-annual Compliance Report" twice a year. Forms along with analyses results of industrial wastewater discharge will be furnished to the Applicant by the County and must be returned by certified mail no later than one month from their receipt.

In those instances when the Applicant's facility exceeded its discharge limitations at least twice consecutively during the past six months, a "Schedule of Compliance" must also be submitted.

Any delay in the submission of these reports in excess of forty-five (45) days from the date of receipt, or self-monitoring data if required, or implementing the "Schedule of Compliance", shall be deemed a violation of this Permit and the Applicant will be subject to a fine and/or civil action at the discretion of the Commissioner.

6. Pay for each monitoring inspection and sampling procedure following notification of violation of the discharge limitations contained herein. The fee for such inspection and/or procedure shall vary in amount from a minimum of not less than One Hundred Dollars (\$100) to a maximum of not more than Five Hundred Dollars (\$500) depending upon the continued nature of the violation.

7. Operate the pretreatment facilities in an efficient manner at all times. By-passes of pretreatment facilities are strictly prohibited.

Applicant shall provide appropriate storage facilities to prevent an accidental discharge of prohibited materials or slug loading.

Notify the Department of Public Works orally within twenty-four (24) hours of any accidental discharge of prohibited materials or slug loading. All of the Applicant's employees, agents, and representatives shall be notified of the foregoing emergency notification procedure.

This notice must be followed immediately thereafter with a detailed written report of each such incident including a description of its causes and duration as well as any preventive measures undertaken. Failure to notify DPW about any such incident in the proper manner within five working days will be considered as a violation of this Permit.

This notification shall not relieve the Applicant of any expense, loss, damage or other liability incurred as a result of damage to any person, collection system and/or processes at the POTW.

8. Any employee, agent or representative of the Applicant who knowingly or negligently makes a false statement, or renders inaccurate any monitoring device shall be subject to a fine of not less than Three Hundred Dollars (\$300) nor more than One Thousand Dollars (\$1,000) per day and/or imprisonment for a period of not more than six months for each such violation.

The imposition of a penalty pursuant to the foregoing paragraphs shall result in the probation of this Permit. Accordingly, the Applicant shall immediately cease violation and undertake whatever corrective measures are warranted.

9. In the event the Applicant, its employees, agents or representatives continue to exceed its discharge limitations during the probationary period, or is unwilling to comply with its Schedule of Compliance, the County Attorney will immediately commence appropriate legal action to terminate the Applicant's authorization to dispose of industrial wastewater into the Public Sewer system.

10. The Applicant shall apply for the Discharge Permit reissuance a minimum of 180 days prior to the expiration date of the existing Permit. The terms and conditions of the Permit may be subject to modification by the County during the term of the Permit. The Applicant shall be informed of any proposed changes at least 30 days prior to the effective date of change.

11. Additional requirements:

The Applicant shall install, operate and maintain in proper working order at all times the following equipment necessary to monitor the industrial wastewater discharged to the Public Sewer:

Testing Chamber required:	Y ☒	N ☐
Locking Device required:	Y ☐	N ☒
Flowmeter required:	Y ☐	N ☒
Self-Monitoring required:	Y ☐	N ☒
Frequency of Self-Monitoring:		
Monthly ☐	Quarterly ☐	Semiannually ☐

Parameters to be sampled:

Draft Permit approved by the Director of Environmental Operations on behalf of the Nassau County Industrial Pretreatment Program:

James A. Oliva
James A. Oliva, P.E.

8/1/90
(Date)

Final Permit approved by the Deputy Commissioner
of Public Works: Steven A. Fangmann
Steven A. Fangmann, P.E.

8/1/90
(Date)

Attachments to this Permit: 1. Prohibited wastes
2. Discharge limitations (page 8)

SCHEDULE OF COMPLIANCE

Task

Completion Date

Nassau County Industrial Pretreatment Program Responsibility:

Nassau County DPW representatives will test the industrial wastewater discharged by the Applicant's facility several times per year. The results of these analyses will be mailed to the Applicant on or about January 31 and July 31 of each year and in the case of exceedance of discharge limitations within thirty days.

The DPW will notify the Applicant of any changes in the applicable pretreatment requirements.

Frequency of County Monitoring: Semiannually

Note: If composite sampling is performed by the Applicant, the sample is to be preserved according to relevant parameters until it is picked up. Please feel free to consult with the Cedar Creek Laboratory at (516) 781-4202 or (516) 781-4200 if you have any questions.

PROHIBITED WASTES

No person shall discharge, deposit, cause or allow to be deposited or discharged into the Public Sewer or the POTW any waste which causes or contains the following:

1.a EXPLOSIVE WASTES:

Wastes which create a fire or explosive hazard to the POTW, collection system or the operation of the system. Prohibited materials include, but are not limited to, gasoline, fuel oil, kerosene, naptha, benzene, toluene, alcohols, peroxides, carbides, xylene, and ethers.

1.b CORROSIVE WASTES:

Wastes which cause corrosion or deterioration of the equipment of the Treatment Plant or collection system, such as sulfides and concentrated acids. All wastes shall have a pH not less than 5.5 or greater than 9.5.

1.c SOLIDS AND VISCOUS SUBSTANCES:

Solids or viscous wastes in amounts which could cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the POTW. Prohibited materials include, but are not limited to, grease, wax, uncomminuted garbage, sludge of any kind, mud, ashes, cinders, sand, glass grinding, polishing waste, stone or marble dust, wood sawdust, plastics, tar, asphalt residues, residues from refining or processing of fuel or lubricating oil, or metal scrap.

1.d EXTREMELY HAZARDOUS WASTES:

Those wastes designated by the USEPA as sufficiently toxic that they shall not be discharged to a sanitary sewer in any concentration.

1.e RADIOACTIVE WASTES:

Radioactive wastes or isotopes of such half life of concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which cause hazards to the personnel operating the sewerage system or POTW.

1.f NOXIOUS MATERIALS:

Noxious or malodorous compounds which, either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or may be sufficient to prevent entry into a sewer for its maintenance or repair.

1.g EXCESSIVE DISCOLORATION:

Such as, but not limited to, dye wastes, tanning solutions, etc.

1.h HEAT:

No discharge having temperature higher than 150 degrees Fahrenheit (65 degrees Celsius) is allowed.

1.i EXTREME VARIATIONS:

Industrial wastes discharged in a slug of such volume or strength that may cause a treatment process upset or loss of the POTW efficiency.

1.j UNPOLLUTED WASTES:

Any unpolluted water including, but not limited to, stormwater, surface and groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process water which will increase the hydraulic load on the POTW.

1.k DILUTION WATER:

No water shall be added for the purpose of diluting wastes which would otherwise exceed applicable maximum concentration limits.

DISCHARGED LIMITATIONS BASED ON CATEGORICAL AND LOCAL LIMITS

PARAMETERS	MAXIMUM CONCENTRATION OF INDUSTRIAL WASTE DISCHARGE TO THE PUBLIC SEWER mg/l	CATEGORICAL STANDARD APPLIED AT THE POINT OF DISCHARGE FROM THE REGULATED OPERATION	
		DAILY MAXIMUM mg/l	MAXIMUM MONTHLY AVERAGE mg/l
Oil/Grease (O/G)			
pH - maximum	9.5		
pH - minimum	5.5		
Antimony (Sb)			
Arsenic (As)			
Barium (Ba)			
Cadmium (Cd)		0.69	0.26
Chromium-total (Cr,T)	2.0	2.77	1.71
Chromium-hex (CR+6)	0.1		
Copper (Cu)		3.38	2.07
Cyanide (Cn, Total)		1.20	0.65
Fluoride (F)			
Iron (Fe)			
Lead (Pb)		0.69	0.43
Manganese (Mn)			
Mercury (Hg)			
Nickel (Ni)		3.98	2.38
Selenium (Se)			
Silver (Ag)		0.43	0.24
Zinc (Zn)		2.61	1.48
Phenols			
Total Toxic Organics (TTO)	2.13	2.13	--

Note: 1. The term "TTO" shall mean the sum of concentrations for each of the compounds regulated for the industry found in the discharge of your facility at a concentration greater than 0.01 mg/l (10 ppb).

2. Categorical limit for Cyanide applies to Total Cyanide.

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Town of North Hempstead

County of Nassau — State of New York

Benjamin L. Zwirn

~~JOHN S. DAVANZO~~

Supervisor



JOHN S. DAVANZO

Town Clerk

UNDERGROUND STORAGE OF FLAMMABLE MATERIALS PERMIT No.

93

Issued Pursuant to THE TOWN OF NORTH HEMPSTEAD CODE, CHAPTER 29A

This is to certify that: Unisys Corp.
Union Turnpike and
of Lakeville Road, Great Neck, NY having filed an application pursuant to, and complied
with the provisions of the above Chapter is hereby authorized to install, two (2) 20,000 gallon under-
ground tanks for the storage of No. 6 fuel oil, for private use

Accumulative total 40,000 Gallons 2 tanks. Located at e/s of Lakeville Road
between Marcus Ave. &
Union Tpke, Great Neck S.D. No. 7 Sect. No. 8 Block No. B-18 Lot No. 300 H-J

PERMIT VOID if construction is not started within 90 days from date hereof. PERMIT is not RENEWABLE. CONTACT BUILDING
DEPARTMENT before installation is made. Certificate of the New York Board Fire Underwriters is necessary.

Dated November 13, 1990 Fee Paid \$ 500.00

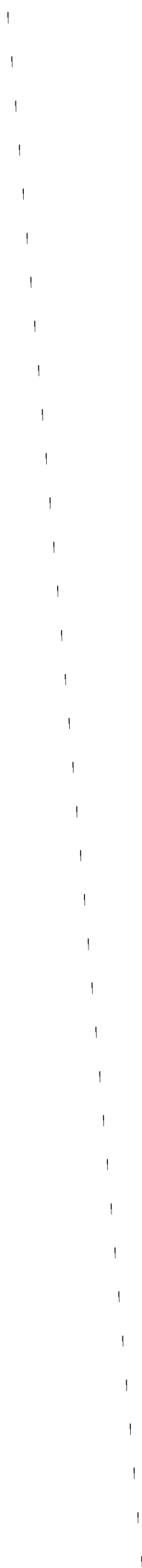
By



John S. DaVanzo, Town Clerk
Town Hall, Manhasset, New York 11030

THIS LICENSE IS NOT TRANSFERABLE

ORIG. - APP.
1st - FILE
2nd - CASHIER





NASSAU COUNTY DEPARTMENT of HEALTH

Page 1

TOXIC OR HAZARDOUS MATERIALS STORAGE FACILITY PERMIT

Facility Number	000002	Type of Permit	☒ Operation ☐ Construction	Date Issued:	07/01/87	Date Modified:	08/01/90	Expiration Date:	07/01/92
Name of Permittee:	UNYSIS			Address of Permittee:	MARCUS AVE. GREAT NECK NY				

GENERAL CONDITIONS

1. By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with Article XI, Nassau County Public Health Ordinance.
2. All work carried out under this permit shall conform to the approved plans and specifications. Any amendments must be approved by the Nassau County Department of Health prior to their implementation. The permittee shall notify the Health Department 48 hours in advance of the start of construction.
3. As a condition of the issuance of this permit, the applicant has accepted expressly, by the execution of the application, the full legal responsibility for all damages direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and has agreed to defend, indemnify and save harmless the County from suits, actions, damages and costs of every name and description resulting from the said project.

Name of Facility:	UNISYS CORP.	FACILITY ADDRESS:
Mailing Address:	MARCUS AVE.-MAIL STA. 1P10 GREAT NECK NY 11020-	MARCUS AVE. GREAT NECK NY 11020

THIS FACILITY CONSISTS OF STORAGE AREAS AS LISTED ON PLANS AND APPLICATIONS FILED WITH THIS DEPARTMENT

Tank/Storage Area Number	Capacity	Type of Toxic or Hazardous Material Stored
BULK 0001	6000 POUNDS	MULTIPLE CHEMICALS STORED
BULK 0001	6000 GALLONS	MULTIPLE CHEMICALS STORED
* TANK 0001	15000 GALLONS	OIL, FUEL #6
* TANK 0002	15000 GALLONS	OIL, FUEL #6
* TANK 0003	15000 GALLONS	OIL, FUEL #6
* TANK 0004	15000 GALLONS	OIL, FUEL #6
* TANK 0005	20000 GALLONS	OIL, FUEL #6
* TANK 0006	20000 GALLONS	OIL, FUEL #6

CONTINUED

TANKS MARKED WITH AN ASTERISK ARE DUE FOR REPLACEMENT BEFORE AUGUST 1, 1990 AND ARE NOT PERMITTED FOR USE BEYOND THIS DATE.

Authorizing Officer

JOHN B. BRANCHE, M.D., P.H.

Commissioner of Health



NASSAU COUNTY DEPARTMENT of HEALTH

Page 2

TOXIC OR HAZARDOUS MATERIALS STORAGE FACILITY PERMIT

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THIS FACILITY CONSISTS OF STORAGE AREAS AS LISTED ON PLANS AND APPLICATIONS FILED WITH THIS DEPARTMENT

Tank/Storage Area Number	Capacity	Type of Toxic or Hazardous Material Stored
* TANK 0007	20000 GALLONS	OIL, FUEL #6
* TANK 0008	20000 GALLONS	OIL, FUEL #6
TANK 0012 S-121	250 GALLONS	AMMONIA - BLUEPRINT
TANK 0013	500 GALLONS	AMMONIA
TANK 0014	240 GALLONS	TRICHLOROETHANE, 1,1,1
TANK 0015 A-12	240 GALLONS	SODIUM HYDROXIDE
TANK 0016 A-12	240 GALLONS	TANK, WATER RINSE
TANK 0017 A-12	240 GALLONS	OAKITE 34

} PLATING

CONTINUED

TANKS MARKED WITH AN ASTERISK ARE DUE FOR REPLACEMENT BEFORE AUGUST 1, 1990 AND ARE NOT PERMITTED FOR USE BEYOND THIS DATE

Authorizing Officer

JOHN W. BRANCH, M.D., F.A.C.P.

Commissioner of Health

EH 768 9/86

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE AT THE FACILITY



DEPARTMENT of HEALTH

Page 3

TOXIC OR HAZARDOUS MATERIALS STORAGE FACILITY PERMIT

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Mailing Address:	MARCUS AVE.-MAIL STA. 1P10 GREAT NECK NY 11020-	MARCUS AVE. GREAT NECK NY 11020

THIS FACILITY CONSISTS OF STORAGE AREAS AS LISTED ON PLANS AND APPLICATIONS FILED WITH THIS DEPARTMENT

Tank/Storage Area Number	Capacity	Type of Toxic or Hazardous Material Stored
TANK 0018 A-12	240 GALLONS	TANK, WATER RINSE
TANK 0019 A-12	65 GALLONS	NITRIC ACID
TANK 0020 A-12	65 GALLONS	NITRIC ACID
TANK 0021 A-12	30 GALLONS	NITRIC ACID
TANK 0022 A-12	30 GALLONS	SULPHURIC ACID
TANK 0023 P-19	460 GALLONS	PLATING CHEMS, NOS
TANK 0024 A-12	240 GALLONS (KIDOLINE)	TRADE NAME, INORGANIC
TANK 0025 A-12	240 GALLONS	TANK, WATER RINSE

PLATING

OIL ROOM

PLATING

CONTINUED

Authorizing Officer

JOHN E. BRANCHE, M.D., F.P.S.

Commissioner of Health

EH 768 9/86

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE AT THE FACILITY



DEPARTMENT of HEALTH

Page 4

TOXIC OR HAZARDOUS MATERIALS STORAGE FACILITY PERMIT

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Name of Permittee:	UNYSIS			Address of Permittee:	MARCUS AVE. GREAT NECK NY				

GENERAL CONDITIONS

1. By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with Article XI, Nassau County Public Health Ordinance.
2. All work carried out under this permit shall conform to the approved plans and specifications. Any amendments must be approved by the Nassau County Department of Health prior to their implementation. The permittee shall notify the Health Department 48 hours in advance of the start of construction.
3. As a condition of the issuance of this permit, the applicant has accepted expressly, by the execution of the application, the full legal responsibility for all damages direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and has agreed to defend, indemnify and save harmless the County from suits, actions, damages and costs of every name and description resulting from the said project.

Name of Facility:	UNISYS CORP.	FACILITY ADDRESS:
Mailing Address:	MARCUS AVE.-MAIL STA. 1P10 GREAT NECK NY 11020-	MARCUS AVE. GREAT NECK NY 11020

THIS FACILITY CONSISTS OF STORAGE AREAS AS LISTED ON PLANS AND APPLICATIONS FILED WITH THIS DEPARTMENT

Tank/Storage Area Number	Capacity	Type of Toxic or Hazardous Material Stored
TANK 0026 A-12	472 GALLONS	ALODINE
TANK 0027 A-12	470 GALLONS	TANK, WATER RINSE
TANK 0028 A-12	240 GALLONS	ACIDS, NOS

} PLATING

Authorizing Officer

JOHN S. BRANCH, M.D., F.A.P.H.
John I. Downing, M.D., M.P.H. Commissioner of Health

EH 768 9/86

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE AT THE FACILITY

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STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE
AMENDMENT

Page 1 of 2 Page(s)

PURSUANT TO THE LABOR LAW AND INDUSTRIAL CODE RULE 38, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE DESIGNATED BELOW, A LICENSE IS HEREBY ISSUED AUTHORIZING SUCH LICENSEE TO RECEIVE, POSSESS, USE AND TRANSFER RADIOACTIVE MATERIAL(S) DESIGNATED BELOW; AND TO USE SUCH RADIOACTIVE MATERIAL(S) FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW. THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND ORDERS NOW OR HEREAFTER IN EFFECT OF ALL APPROPRIATE REGULATORY AGENCIES AND TO ANY CONDITIONS SPECIFIED BELOW.

NAME OF LICENSEE Unisys Corporation	3. LICENSE NUMBER 1352-0429
ADDRESS OF LICENSEE Marcus Avenue and Lakeville Road Great Neck, New York 11020	4. EXPIRATION DATE October 31, 1992 5a. REFERENCE NO. b. AMENDMENT NO. 2 7

5. Authorized use:

Condition 13. Changed to read:

- A. The licensee shall have Sealed Sources tested for leakage or contamination pursuant to Section 38.26, Subdivision (f) of 12 NYCRR 38. The tests shall only be performed by persons specifically licensed by the Department, The State of New York Department of Health, The City of New York Department of Health, The U.S. Nuclear Regulatory Commission or by another Agreement State to perform such services.
- B. Upon detection of 0.005 microcuries or more of removable contamination, the licensee shall immediately remove such Sealed Source from use and take action to prevent the spread of contamination. A report shall be filed within five (5) days with the State of New York, Department of Labor, Radiological Health Unit, One Main Street, Brooklyn, New York 11201, specifying the source involved, the tests results and corrective action taken.

Condition 16. Documents added:

- I. His letters dated May 23, 1988 and August 21, 1989, signed by Abe Hyman.

Condition 20. New:

Notwithstanding the provisions of Section 38.26, Subdivision (f) of 12 NYCRR 38, licensee is authorized to perform leak tests upon Sealed Source, Condition 6.C., listed in letter referenced in Condition 16.I. herein, at periods not exceeding three (3) years. In the absence of a certificate from a transferor indicating that a test was made within six months prior to the transfer, a Sealed Source received from another person shall not be put to use until tested.



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE
AMENDMENT

Page 2 of 2 Pages

3. License Number 1352-0249 5a. Ref. No. 2 b. Amend. No. 7

Condition 21. New:

Licensee shall maintain records, for each individual Isotope, of total activities received and shipped out during each complete calendar year.

Condition 22. New:

Pursuant to Section 38.7 Security, of 12 NYCRR 38, the licensee shall maintain complete and accurate records of the inventories of each individual Isotope authorized by this License, demonstrating that at no time the Sum of the Quotients of the Fraction Rule, as applied in accordance with Section 38.41 Tables and Appendices, Table 4, Exempt Quantities, Notes, exceeded 10 000.

Robert Gollnick, Director
for: THE COMMISSIONER OF LABOR

DATE: January 26, 1990
AEA:wp

George L. Kasyk
by: George L. Kasyk
Associate Radiophysicist

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STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTHRADIOACTIVE MATERIALS LICENSE
AMENDMENT

Page 1 of 2 Page(s)

PURSUANT TO THE LABOR LAW AND INDUSTRIAL CODE RULE 38, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE DESIGNATED BELOW, A LICENSE IS HEREBY ISSUED AUTHORIZING SUCH LICENSEE TO RECEIVE, POSSESS, USE AND TRANSFER RADIOACTIVE MATERIAL(S) DESIGNATED BELOW; AND TO USE SUCH RADIOACTIVE MATERIAL(S) FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW. THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND ORDERS NOW OR HEREAFTER IN EFFECT OF ALL APPROPRIATE REGULATORY AGENCIES AND TO ANY CONDITIONS SPECIFIED BELOW.

NAME OF LICENSEE Unisys Corporation	3. LICENSE NUMBER 1352-0429
ADDRESS OF LICENSEE Marcus Avenue and Lakeville Road Great Neck, New York 11020	4. EXPIRATION DATE October 31, 1992
	5a. REFERENCE NO. b. AMENDMENT NO. 2 7

Authorized use:

Condition 13. Changed to read:

- A. The licensee shall have Sealed Sources tested for leakage or contamination pursuant to Section 38.26, Subdivision (f) of 12 NYCRR 38. The tests shall only be performed by persons specifically licensed by the Department, The State of New York Department of Health, The City of New York Department of Health, The U.S. Nuclear Regulatory Commission or by another Agreement State to perform such services.
- B. Upon detection of 0.005 microcuries or more of removable contamination, the licensee shall immediately remove such Sealed Source from use and take action to prevent the spread of contamination. A report shall be filed within five (5) days with the State of New York, Department of Labor, Radiological Health Unit, One Main Street, Brooklyn, New York 11201, specifying the source involved, the tests results and corrective action taken.

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STATE OF NEW YORK · DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE
AMENDMENT

Page 2 of 2 Pages

3. License Number 1352-0249 5a. Ref. No. 2 b. Amend. No. 7

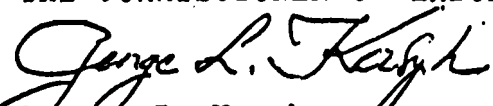
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Licensee shall maintain records, for each individual Isotope, of total activities received and shipped out during each complete calendar year.

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Robert Gollnick, Director
for: THE COMMISSIONER OF LABOR


by: George L. Kasyk
Associate Radiophysicist

DATE: January 26, 1990
AEA:wp

APPENDIX G

GERAGHTY & MILLER 1988

APPENDIX G

GERAGHTY & MILLER 1988

APPENDIX G1

G&M 1988 SOIL BORING LOGS

SAMPLE/CORE LOG

Boring/Well 15-1 Project/No. UNISYS/Ny1230CF1 Page 1 of 1

Site Location Great Neck, New York Drilling Started 4/13/20 Drilling Completed 5/2/20

Total Depth Drilled 4 feet Hole Diameter 8 inches Type of Sample/
Coring Device 2 1/2

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches
From	To		

Senate/Corp Description

7 7
 2000 ft. 3-4 ft
 1000 ft. 10 ft
 500 ft. 5 ft
 Terminal arch. 6
 5 ft 4 ft 20 ft

SAMPLE/CORE LOG

Boring/Well B-2 Project/No. UNISYS/NY1230CF1 Page 1 of 1

Site Location Great Neck, New York Drilling Started 3/31/89 Drilling Completed 3/31/89

Total Depth Drilled 30 feet Hole Diameter 8 inches Type of Sample/Coring Device split-spore

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	TIP / CPI
From	To				
5	7	2	5-8- 16-28	SAND (100%) orange-brown, medium to coarse, moderately sorted, gravel (15%) some pebbles and small cobbles (5%) sub-rounded	C
8	10	2	16-33- 27-39	8 to 9 ft: same as above 1 to 1.5 ft: FILL (?) piece of granite core clay matrix, medium brown, pebbles irregular in size	C
10	12	2	17-25- 15-16	10 to 11.5 ft: CLAY, brown, many small pebbles and gravel 11.5 to 12: SAND (100%), medium to coarse, well sorted, brown	O
15	17	2	17-25- 15-16	SAND; 6 to 8 ft coarse, some brown, some clay, brown, granite fragments, many cobbles	O
20	22	0	---	No recovery. (cobbles, gravel) terminated borehole	

SAMPLE/CORE LOG

Boring/Well B-2 Project/No. UNISYS/NY1230CF1 Page 1 of 1

Site Location Great Neck, New York Drilling Started 4/4/88 Drilling Completed

Total Depth Drilled 29 feet Hole Diameter inches Type of Sample/ Coring Device

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
5	7	1	12-11-22	SAND (15%) dark brown to light brown silty sandstone
10	12	1	12-12-30	CLAY (1-2%) dark brown to light brown silty claystone interbedded w/ sand (possibly 1-2%)
15	17	.75	12-12-14	SAND (1-2%) dark brown to light brown silty sandstone
20	22	1.0	12-25-130	SAND (1-2%) dark brown to light brown silty sandstone occasional
25	27	1.0	12-14-12-16	SAND (45%) medium to coarse sandstone some silty sand (10%) clay (5%) occasional pieces of cobbles, angular
29	31	0	45-50/5	No recovery; core disintegrated

SAMPLE/CORE LOG

Boring/Well B-4 Project/No. UNISYS/NY1230CF1 Page 1 of 2

Site Location Great Neck, New York Drilling Started 4/5/85 Drilling Completed 4/5/85

Total Depth Drilled 35 feet Hole Diameter 8 inches Type of Sample/Coring Device SPLIT-SPRUN

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per ft inches	Sample/Core Description	T/T Reading (PPM)
From	To				
5	7	.5	1-12-3	SILT (100%) fine to medium, light brown, occasional dark brown, occasional pebbles	
10	12	1.25	16-12-23-12	SAND (65%) dark brown grading to orange-brown, fine to coarse, moderately sorted, clay (25%) dark brown occasional pebbles	
15	17	1	14-12-50/3	SILT (50%) coarse, light brown, occasional dark brown, fine to medium, light brown, occasional pebbles	
20	22	1.5	17-25-10-33	SAND to SILT 3-11 from T/P reading, not so well sorted more pebbles	
25	27	1.5	25-30-11-50	SILT (100%) light brown, well sorted, occasional pebbles 4-6 ppm T/P reading	
30	32	2	25-35-40-55	31 to 31.5 ft, same as above 31.5 to 32 ft, SILT, dark brown, sandy, with some clay	



**GERAGHTY
& MILLER, INC.**
Ground-Water Consultants

SAMPLE/CORE LOG (Cont.d)

Boring Well

3-4

Page.

2

20

2

Prepared By.

D. Newton

Sample/Core Depth
(feet below land surface)

**Core
Recovery
(test)**

**Time/Hydraulic
Pressure or
Blows per 6
inches**

Sample/Core Description

[illegible]

SAMPLE/CORE LOG

Boring/Well B-5 Project/No. UNISYS/NY1230CF1 Page 1 of 1

Site Location	Great Neck, New York	Drilling Started	4/5/88	Drilling Completed	4/15/88
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Total Depth Drilled 18 feet Hole Diameter 8 inches Type of Sample/
Coring Device SPLIT SPOON

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches
From	To		

Sample/Corr Description

5	7	1	1-1-1-1	SAND (100%), medium brown, well sorted; occasional pebble; 10-15"
10	12	.5	25-35-18- 75	SAND (75%), fine to coarse, dark brown, poorly sorted; gravel (20%), coarse dark brown; pebbles and broken boulders (5%)
15	17	1.35	12-13-25- 50 4"	15 to 15.4' SAND (100%), coarse, well sorted, black, strong odor; 15.4' to 16.25' SAND (100%), medium to coarse, light colored, light gray-brown; occasional pebble, some gravel
	18			Borehole terminated at 18 ft; lower boulders and cobbles

SAMPLE/CORE LOG

Boring/Well B-6 Project/No. UNISYS/NY1230CF1 Page 1 of 2
Site Location Great Neck, New York Drilling Started 4/5/88 Drilling Completed 4/11/88

Total Depth Drilled 30 feet Hole Diameter 8 inches Type of Sample/ Coring Device CF-1 Form

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) From To
Core Recovery (feet)
Time/Hydraulic Pressure or Blows per 6 inches

Sample/Core Description

5	7	(	5 to 5.5'	SAND (100%) fine to medium, pink brown clayey, moist
			5.5 to 6'	SAND (100%) medium to coarse well sorted light brown to orange brown, occasional pebbles (3-4 inches)
7	8	—	—	fill material, asphalt, some large stones
10	12	.75	10-10-50/4"	SAND and GRAVEL (100%) medium brown, poorly sorted fine to coarse, loose
15	17	1.0	15-14-50/5"	SAND (15%) light brown to orange brown very coarse, moderately sorted sand (15%) fine to medium poorly sorted, some brown loose pebbles (15%) subrounded to well rounded, loose greenish sand (15%) (< 1")
20	22	2.0	12-18-20/30	SAND (95%) light brown - orange-brown medium to coarse well sorted, rounded (5%) fine coarse fine, light brown, some orange brown subrounded sand lenses

SAMPLE/CORE LOG (Cont.d)

Boring Well B-6

Page 2 of 2

Prepared By DJN

Sample/Core Depth
(feet below land surface)

**Core
Recovery
(feet)**

**Time/Hydraulic
Pressure or
Blows per 6
inches**

Sample/Core Description

25	27	2.0	8-14-16-22	SAND (100%), light brown - tan, medium very well sorted, fine oxidized laminae 26 K 26.25 ft; dark brown silt + finer clay.
30	32	2.0	14-20-30-32	SILT (90%), dark brown, ^{clayey} moist; sand (10%), fine, dark brown, well sorted, thin lenses 30.0 to 30.5; SAND (100%), medium to coarse, well sorted, dark brown to orange -brown, <u>wet</u>
				Terminated borehole

SAMPLE/CORE LOG

Boring/Well 2-7 Project/No. UNISYS/NY1230CF1 Page 1 of 2

Site Location Great Neck, New York Drilling Started 4/11/88 Drilling Completed 4/11/88

Total Depth Drilled 30 feet Hole Diameter 8 inches Type of Sample/ Coring Device split spoon

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
5	7	3.5	2-7-50/2"	SAND (60%), pink brown, fine to coarse pebbles (40%), dark brown subrounded, fine; some gravel, (< 2")
10	12	1.0	7-7-15	SAND (95%), dark brown, coarse, well sorted, most; pebbles (5%), dark brown subrounded, fine; some gravel, (< 2")
15	17	2.0	8-17-20-17	SAND (70%), light brown to dark brown, coarse to medium, well sorted, (30%) light brown - fine, subrounded, fine
20	22	1.5	20-30- 32-33	20 to 20.5', SAND (100%), medium to coarse, bright orange-brown, well sorted
				20.5 to 21.5', SAND (100%), fine to medium light brown - tan, poor sorting, occasional gravel and small pebbles; coarsening upward

SAMPLE/CORE LOG (Cont.d)

Boring/Well

B-7

Page 2 of 2

Prepared By_

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Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
25	27	1.5	15-17- 33-40	SAND (100%), fine to medium, well sorted, tan to light brown 25.5 to 26 ft; SILT clasts dark brown fine sand
30	32	1.5	13-15- 17-13	31 to 31 ft; SAND (100%), fine, very well sorted, dark brown, micaceous, with several thin silt layers; WET 31 to 31.5 ft; SAND (150%), orange-brown, medium to coarse, well sorted; WET Terminated core

SAMPLE/CORE LOG

Boring/Well 5-8 Project/No. UNISYS/NY1230CF1 Page 1 of 1

Site Location Great Neck, New York Drilling Started 4/11/38 Drilling Completed 4/11/38

Total Depth Drilled 30 feet Hole Diameter 8 inches Type of Sample/ Coring Device split - open

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow - stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
5	7	1.25	4-30-34-30	GRAVEL (50%), fine to medium, sorted fine, silty, no water, sand (50%) orange-brown to brown, fine to medium, poorly sorted fill
10	12	2.0	10-25-30-50/5"	SAND (100%), medium to coarse well sorted tan to orange-brown
15	17	2.0	10-20-31	15 to 17' same as above, dark brown to orange brown to 17' GRAVEL (15%) light brown, fine, sorted, sand (25%) medium to coarse dark brown to orange-brown
20	22	2.0	2-22-22-35	20 to 22.5; SAND (100%) dark brown, medium, well sorted 22 to 22.5; GRAVEL (25%) light brown, silty, sorted to sand, some small pebbles, sand (100%), medium to coarse, well sorted 22 to 22.0; SAND (100%) fine to light orange medium, coarse, well sorted

SAMPLE/CORE LOG (Cont.d)

BoringWell

Page

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Prepared By,

Sample/Core Depth
(feet below land surface)

**Core
Recovery
(test)**

**Time/Hydraulic
Pressure or
Blows per 6
inches**

Sample/Core Description

25	27	2	18-30-46	SAND (100%), light brown-tan, medium to coarse, well sorted, little if fine gravel; some dark brown iron stained areas
30	32	2	2-2-4-20	30 to 30.6; SAND (100%), fine, well sorted, some micaceous minerals, dark brown 30.6 to 32; SAND (100%), light orange-brown, fine to coarse, poorly sorted, silty, wet
				TERMINATED SAMPLE

SAMPLE/CORE LOG

Boring/Well B-9 Project/No. UNISYS/NY1230CF1 Page 1 of 2

Site Location Great Neck, New York Drilling Started 4/12/88 Drilling Completed 4/12/88

Total Depth Drilled 32 feet Hole Diameter 8 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
5	7	1	4-20- 28-22	SAND (95%), coarse, well sorted, orange-brown; gravel (5%), light brown to orange brown, subrounded to well rounded.
11	12	1.25	20-34- 43	10 to 10.75 ft: SAND (65%), light brown to orange-brown, moderately sorted, very coarse subrounded; pebbles (35%), moderately sorted fine to medium, occasional water worn 10.75 to 11.25 ft: SAND (100%), orange-brown, coarse, well sorted
15	17	2.0	7-17-20- 27	SAND (90%), light brown with some orange-brown oxidized bands, coarse to medium, well sorted; gravel (10%) fine to medium light brown to brown, pebbles
20	22	1.2	15-22- 30-40	20 to 20.5 ft: GRAVEL (100%), light brown, well sorted, fine 20.5 to 21 ft: SAND (100%), orange-brown, coarse

SAMPLE/CORE LOG (Cont.d)

Boring/Well 15-1

Page 1 of 1

Prepared By DSN

[illegible]



SAMPLE/CORE LOG

Boring/Well 3-10 Project/No. UNISYS/Ny1230CF1 Page 1 of 2

Site Location	Great Neck, New York	Drilling Started	4/12/99	Drilling Completed	1/12/00
---------------	----------------------	------------------	---------	--------------------	---------

Total Depth Drilled 12 feet Hole Diameter 8 inches Type of Sample/
Coring Device split - spoon

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches
From	To		

Sample/Core Description

5	7	.75	3-25-25- 31	COBBLES (> 5") orange brown, poorly sorted
10	12			REFUSAL COBBLES - large gravel

SAMPLE/CORE LOG

Boring/Well B-11 Project/No. UNISYS/NY1230CF1 Page 1 of 2

Site Location Great Neck, New York Drilling Started 4/1/95 Drilling Completed 4/4/95

Total Depth Drilled 30 feet Hole Diameter 8 inches Type of Sample/ Coring Device SPLIT-SPUD

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
5	7	.75	5-84-5	SAND (85%), dark brown fine to coarse grained, well sorted, rounded to sub-rounded, fine grained (15%), rounded sub-rounded, fine
10	12	1.0	27-7-5-4	Same as above, less pebbles
15	17	1.5	12-20-30-32	SAND (70%), light brown to orange-brown medium to coarse, moderate, sorted, gravel (15%), coarse angular to subrounded, pebbles (15%), subrounded to rounded, iron staining
20	22	1.25	40-30-22-32	SAND (50%), light brown to orange-brown coarse, well sorted, gravel (15%), medium brown, rounded to sub-rounded, iron staining
25	25.75	1.25	13-17-11-5	25 to 25.75 GRAVEL (50%), orange-brown, coarse medium brown, rounded to sub-rounded, iron staining medium brown, rounded to sub-rounded, iron staining

SAMPLE/CORE LOG (Cont.d)

Boring Well B-11

Page 2 of 2

Prepared By D. Newton

Sample/Core Depth
(feet below land surface)

Core Recovery (100)

Time/Hydraulic
Pressure or
Blows per 6
inches

Sample/Core Description

25	27	125		Continued
				25.75 to 26.25: SAND (100%), medium well sorted, dark orange-brown
30	32	1	13-23 - 23-23	GRAVEL (75%) fine to medium, yellow brown; sand (20%), fine to medium, poorly sorted, brown; pebbles (5%), subrounded
				Borehole terminated

SAMPLE/CORE LOG

Boring/Well B-12 Project/No. UNISYS/NY1230CF1 Page 1 of 2
 Site Location Great Neck, New York Drilling Started 4/1/88 Drilling Completed 4/1/88
 Total Depth Drilled 30 feet Hole Diameter 8 inches Type of Sample/ Coring Device SPLIT-SPOON
 Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet
 Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A
 Drilling Fluid Used None Drilling Method Hollow-stem auger
 Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid
 Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	Tip Loc (SP)
From	To				
5	7	.25	9-6-6-7	SAND (70%) fine to medium, some dark brown; gravel (25%) coarse, sub-rounded pebbles (5%) trace of ink brown clay	C
10	12	1	9-7-7-12	SAND (80%) medium to coarse, dark brown to orange brown, moderately sorted, clayey, moist; gravel and pebbles (20%) coarse angular to sub-angular pebbles trace of cobbles	C
15	17	.75	12-20-32-40	GRAVEL (90%) coarse, angular to sub-rounded pebbles (10%) sub-rounded trace of cobbles medium to coarse sand	O
20	22	.75	11-11-26-32	SAND (100%) medium to coarse well sorted light orange-brown granular loam	O
25	27	1	10-15-17-24	GRAVEL (70%) coarse sub-angular to sub-round sand (10%) fine to coarse sandstone & gravel-sandstone (20%) coarse to medium sand	O

SAMPLE/CORE LOG

Boring/Well B-13 Project/No. UNISYS/NY1230CF1 Page 1 of 2

Site Location Great Neck, New York Drilling Started 4/1/88 Drilling Completed 4/1/88

Total Depth Drilled 30 feet Hole Diameter 8 inches Type of Sample/ Coring Device split-spoon sampler

Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet

Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid

Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	TI PM
From	To				
5	7	4"	4-2-22	SAND (80%) medium to coarse, gravel (10%), coarse brown pebbles (10%), silty sand	S
10	12	.5	18-9-10-7	SAND (95%), medium to coarse brown, rounded, sorted; gravel (5%), coarse trace of small pebbles; silty	C
15	17	1	8-8-20-50/4"	SAND (75%), medium to coarse, silty brown, well sorted; gravel (5%), coarse trace of small pebbles	O
20	22	2	2-27-20-77	20 to 21.7 GRAVEL (70%), coarse, rounded and well sorted; sand (20%), coarse to medium	O
25	27	2	10-21-27-37	25 to 26 ft SAND (100%), medium, well sorted, light brown, trace of fine gravel	O
				26 to 27 ft GRAVEL (70%), coarse to medium, rounded, well sorted; sand (20%), coarse to fine, rounded; silty (10%)	

SAMPLE/CORE LOG

Boring/Well B-14 Project/No. UNISYS/NY1230CF1 Page 1 of 2
 Site Location Great Neck, New York Drilling Started 4/12/88 Drilling Completed 4/12/88
 Total Depth Drilled 30 feet Hole Diameter 8 inches Type of Sample/ Coring Device SPLIT - Spoon
 Length and Diameter of Coring Device 2 ft x 2 in. Sampling Interval 5 feet
 Land-Surface Elev. N/A feet ☐ Surveyed ☐ Estimated Datum N/A
 Drilling Fluid Used None Drilling Method Hollow-stem auger
 Drilling Contractor Environmental Drilling, Inc. Driller S. Hague Helper K. Kincaid
 Prepared By D. Newton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface) Core Recovery (feet) Time/Hydraulic Pressure or Blows per 5 inches

Sample/Core Description

5	7	.75	10-28-28-10	GRAVEL (65%), orange-brown, moderately sorted; sand (35%), coarse, fairly well sorted occasional cobble and pebble
10	12			
10	12	1.5	14-25-50-35	SAND (75%) fine to coarse orange-brown, poorly sorted, many pebbles; clay (25%) dark brown to black
15	17	0	30-50/5"	No recovery; large cobbles (cobbles collected from borehole, submersible, uniform size)
20	22	1	22-22-18-25	SAND (80%), light brown-tan, very coarse, well sorted; pebbles (10%), subrounded, well sorted; sand (10%) coarse to orange-brown well sorted
25	27	2	10-27-27-30	25 to 26 ft: SAND (100%) orange-brown, well sorted 26 to 27 ft: GRAVEL (75%) light brown, well sorted; pebbles (25%) subrounded, quartzitic

APPENDIX G2

G&M 1988 SOIL CHEMISTRY

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. 038077741

Beragony & Miller, Inc.
128 East Bathpage Rd.
Plainville, NY 11823

ATTN:

SOURCE OF SAMPLE: Beragony/Unions, NO12320F1
COLLECTED BY: Client DATE COL'D: 03/31/88 RECEIVED: 04/04/88

SAMPLE: Soil Sample, S-1-12-101

ANALYTICAL PARAMETERS

1,1,1-Trichloroethane	ug/Kg	15
Bromomethane	ug/Kg	15
Dichlorodifluoromethane	ug/Kg	1
Vinyl Chloride	ug/Kg	15
Chloroethene	ug/Kg	15
Hexachloro Chloride	ug/Kg	110
Trichlorofluoroethane	ug/Kg	110
1,1-Dichloroethene	ug/Kg	110
1,1-Dichloroethane	ug/Kg	112
1,2-Dichloroethene	ug/Kg	110
Chloroform	ug/Kg	15
1,2-Dichloroethane	ug/Kg	110
1,1,1-Trichloroethane	ug/Kg	15
Carbon Tetrachloride	ug/Kg	15
Bromochloromethane	ug/Kg	15
1,1-Dichloropropane	ug/Kg	110
1,1,2-Dichloropropane	ug/Kg	110
Tetrachloroethylene	ug/Kg	15
1,1,2,2-Tetrachloroethane	ug/Kg	15
1,1,2-Trichloroethane	ug/Kg	110
1,1,2-Dichloropropane	ug/Kg	112
1,1,2,2-Tetrachloroethane	ug/Kg	110
1,1,2,2-Tetrachloroethane	ug/Kg	112
1,1,2,2-Tetrachloroethane	ug/Kg	112

ANALYTICAL PARAMETERS

Chloroethene	ug/Kg	15
1,2-Dichlorobenzene	ug/Kg	110
1,3-Dichlorobenzene	ug/Kg	110
1,4-Dichlorobenzene	ug/Kg	110
Benzene	ug/Kg	15
Toluene	ug/Kg	112
Ethyl Benzene	ug/Kg	15
m-Xylene	ug/Kg	110
p-Xylene	ug/Kg	112
Petrol. Hydrocarbons	ug/Kg	15
Arsenic as As	ug/Kg	0.1
Beryllium as Be	ug/Kg	0.1
Cadmium as Cd	ug/Kg	0.01
Chromium as Cr	ug/Kg	0.1
Copper as Cu	ug/Kg	0.1
Lead as Pb	ug/Kg	0.1
Manganese as Mn	ug/Kg	0.1
Nickel as Ni	ug/Kg	0.1
Selenium as Se	ug/Kg	0.1
Silver as Ag	ug/Kg	0.1
Thallium as Tl	ug/Kg	0.1
Antimony as Sb	ug/Kg	0.1
Zinc as Zn	ug/Kg	0.1

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REMARKS:

Sharon Gault
DIRECTOR

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THE UNIVERSITY OF CHICAGO

COLLECTED BY: Client DATE COLLECTED: 24-04-2013

SAMPLE: 301 Sample 3-5-25-27

ANALYTICAL PARAMETERS	
1	Chloroethane
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James Smith.

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1974-1975: 1974-1975

Thomas R. Hull.

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB. NO. 1180810712

04/18/88

Targeting & Milling, Inc.
118 East Bathpage Rd.
Elizabethtown, NY 11922

ATTN: Doug Newton

SOURCE OF SAMPLE: Lot# 4410122007

COLLECTED BY: Client DATE COL'D: 04/08/88 RECEIVED: 04/12/88

SAMPLE: Soil Samples, 3-4, 12-221

ANALYTICAL PARAMETERS

Asbestos	mg/kg	0.00
Barium	mg/kg	0.00
Benzene	mg/kg	0.00
Bismuth	mg/kg	0.00
Boron	mg/kg	0.00
Bromine	mg/kg	0.00
Cadmium	mg/kg	0.00
Calcium	mg/kg	0.00
Chromium	mg/kg	0.00
Copper	mg/kg	0.00
Fluorine	mg/kg	0.00
Iron	mg/kg	0.00
Lead	mg/kg	0.00
Manganese	mg/kg	0.00
Mercury	mg/kg	0.00
Molybdenum	mg/kg	0.00
Nickel	mg/kg	0.00
Selenium	mg/kg	0.00
Silver	mg/kg	0.00
Sulfur	mg/kg	0.00
Titanium	mg/kg	0.00
Vanadium	mg/kg	0.00
Zinc	mg/kg	0.00

ANALYTICAL PARAMETERS

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REMARKS: Page 2 of 2.

John R. Gault

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

Abstract

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

4-4-61 1115 204400

FILE # 14-00000; DATE 10/18/2017

COLLECTED BY: J. L. HARRIS DATE: 02/10/64/25/62 RECEIVED: 02/10/64/25/62

MAXIMUM **DATE** **NO.**

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14-00000

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SECRET

100

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (n = 10) and the intervention group (n = 10). The control group received a standard care protocol, while the intervention group received a standard care protocol plus a 12-week intervention program. The intervention program consisted of a combination of physical and psychological interventions. The subjects were assessed at baseline, 4 weeks, 8 weeks, and 12 weeks. The primary outcome was the change in the level of physical activity, measured in minutes per week. The secondary outcomes were the change in the level of psychological well-being, measured in the SF-36 questionnaire, and the change in the level of adherence to the intervention program, measured in the percentage of subjects who completed the program.

Figure 1 is a schematic representation of the experimental design. It shows a sequence of events: a subject is presented with a stimulus (a word), then a response is given (a word), and then a feedback is provided (a word). The sequence is labeled with 'Stimulus', 'Response', and 'Feedback'.

[illegible][illegible]

DATE: 2011-05-11 TIME: 11:00 AM

日期	星期	姓名	性别	年龄	籍贯	职业	住址	备注
1949.10.1	星期一	王德胜	男	45	山东	工人	上海	
1949.10.2	星期二	李德胜	男	45	山东	工人	上海	
1949.10.3	星期三	张德胜	男	45	山东	工人	上海	
1949.10.4	星期四	赵德胜	男	45	山东	工人	上海	
1949.10.5	星期五	刘德胜	男	45	山东	工人	上海	
1949.10.6	星期六	陈德胜	男	45	山东	工人	上海	
1949.10.7	星期日	周德胜	男	45	山东	工人	上海	
1949.10.8	星期一	吴德胜	男	45	山东	工人	上海	
1949.10.9	星期二	孙德胜	男	45	山东	工人	上海	
1949.10.10	星期三	郑德胜	男	45	山东	工人	上海	
1949.10.11	星期四	冯德胜	男	45	山东	工人	上海	
1949.10.12	星期五	朱德胜	男	45	山东	工人	上海	
1949.10.13	星期六	马德胜	男	45	山东	工人	上海	
1949.10.14	星期日	林德胜	男	45	山东	工人	上海	
1949.10.15	星期一	黄德胜	男	45	山东	工人	上海	
1949.10.16	星期二	周德胜	男	45	山东	工人	上海	
1949.10.17	星期三	吴德胜	男	45	山东	工人	上海	
1949.10.18	星期四	孙德胜	男	45	山东	工人	上海	
1949.10.19	星期五	郑德胜	男	45	山东	工人	上海	
1949.10.20	星期六	冯德胜	男	45	山东	工人	上海	
1949.10.21	星期日	朱德胜	男	45	山东	工人	上海	
1949.10.22	星期一	马德胜	男	45	山东	工人	上海	
1949.10.23	星期二	林德胜	男	45	山东	工人	上海	
1949.10.24	星期三	黄德胜	男	45	山东	工人	上海	
1949.10.25	星期四	周德胜	男	45	山东	工人	上海	
1949.10.26	星期五	吴德胜	男	45	山东	工人	上海	
1949.10.27	星期六	孙德胜	男	45	山东	工人	上海	
1949.10.28	星期日	郑德胜	男	45	山东	工人	上海	
1949.10.29	星期一	冯德胜	男	45	山东	工人	上海	
1949.10.30	星期二	朱德胜	男	45	山东	工人	上海	
1949.10.31	星期三	马德胜	男	45	山东	工人	上海	

[illegible]

— — —

SECRET

Shen-Ren

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAD NO. RECEIVED

04/13/88

Parabody & Miller, Inc.
118 East Gateways Rd.
Plainville, NY 11803

ATTN: Doug Newton

SOURCE OF SAMPLE: 011248/NO1010001

COLLECTED BY: Client DATE COL'D 0124/05/88 RECEIVED LAB 06/88

SAMPLE: Soil Sample, E-4, 85-871

ANALYTICAL PARAMETERS

Asbestos (Total)	mg/kg	0.15
Asbestos (Am)	mg/kg	0.1
Asbestos (Tm)	mg/kg	0.07
Asbestos (Tm)	mg/kg	0.0227
Asbestos (Tm)	mg/kg	0.0
Asbestos (Tm)	mg/kg	0.0
Asbestos (Tm)	mg/kg	0.0
Asbestos (Tm)	mg/kg	0.0225
Asbestos (Tm)	mg/kg	0.0
Asbestos (Tm)	mg/kg	0.12
Asbestos (Tm)	mg/kg	0.12
Asbestos (Tm)	mg/kg	0.12
Asbestos (Tm)	mg/kg	0.05
Asbestos (Tm)	mg/kg	0
Asbestos (Tm)	mg/kg	0.15

ANALYTICAL PARAMETERS

001

REMARKS: Test 1, 1, 1, 2.

Shirley G. Smith



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

[illegible]

ATTN: Miss Norton

2025 RELEASE UNDER E.O. 14176

Protein	Mr	PI	Abundance
1	100,000	4.5	100
2	90,000	4.8	10
3	80,000	5.2	5
4	70,000	5.5	2
5	60,000	5.8	1
6	50,000	6.2	1
7	40,000	6.5	1
8	30,000	6.8	1
9	20,000	7.2	1
10	15,000	7.5	1
11	10,000	7.8	1
12	8,000	8.2	1
13	6,000	8.5	1
14	4,000	8.8	1
15	3,000	9.2	1
16	2,000	9.5	1
17	1,500	9.8	1
18	1,000	10.2	1
19	800	10.5	1
20	600	10.8	1
21	400	11.2	1
22	300	11.5	1
23	200	11.8	1
24	150	12.2	1
25	100	12.5	1
26	80	12.8	1
27	60	13.2	1
28	40	13.5	1
29	30	13.8	1
30	20	14.2	1
31	15	14.5	1
32	10	14.8	1
33	8	15.2	1
34	6	15.5	1
35	4	15.8	1
36	3	16.2	1
37	2	16.5	1
38	1	16.8	1
39	1	17.2	1
40	1	17.5	1
41	1	17.8	1
42	1	18.2	1
43	1	18.5	1
44	1	18.8	1
45	1	19.2	1
46	1	19.5	1
47	1	19.8	1
48	1	20.2	1
49	1	20.5	1
50	1	20.8	1
51	1	21.2	1
52	1	21.5	1
53	1	21.8	1
54	1	22.2	1
55	1	22.5	1
56	1	22.8	1
57	1	23.2	1
58	1	23.5	1
59	1	23.8	1
60	1	24.2	1
61	1	24.5	1
62	1	24.8	1
63	1	25.2	1
64	1	25.5	1
65	1	25.8	1
66	1	26.2	1
67	1	26.5	1
68	1	26.8	1
69	1	27.2	1
70	1	27.5	1
71	1	27.8	1
72	1	28.2	1
73	1	28.5	1
74	1	28.8	1
75	1	29.2	1
76	1	29.5	1
77	1	29.8	1
78	1	30.2	1
79	1	30.5	1
80	1	30.8	1
81	1	31.2	1
82	1	31.5	1
83	1	31.8	1
84	1	32.2	1
85	1	32.5	1
86	1	32.8	1
87	1	33.2	1
88	1	33.5	1
89	1	33.8	1
90	1	34.2	1
91	1	34.5	1
92	1	34.8	1
93	1	35.2	1
94	1	35.5	1
95	1	35.8	1
96	1	36.2	1
97	1	36.5	1
98	1	36.8	1
99	1	37.2	1
100	1	37.5	1

[illegible]

REFERENCE: OMB 0-10

James Smith

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO: 1000000000

DATE: 05/08

Barbara J. Miller, Inc.
125 East 20th Ave. #1,
Plainville, NY 11820
ATTN: Doug Newton

SOURCE OF SAMPLE: Unlabeled/NO1000000000
COLLECTED BY: Client DATE COL: 04/24/08/08 RECEIVED: 04/28/08

SAMPLE: Soil Sample - SHE. 10-171

ANALYTICAL PARAMETERS

Asbestos (g/g)	0.000	1.0
Barium (g/g)	0.000	1.7
Beryllium (g/g)	0.000	1.0
Bismuth (g/g)	0.000	1.000
Boron (g/g)	0.000	1.0
Calcium (g/g)	0.000	1.0
Chromium (g/g)	0.000	1.000
Cobalt (g/g)	0.000	1.0
Copper (g/g)	0.000	1.000
Fluorine (g/g)	0.000	1.000
Iron (g/g)	0.000	1.000
Lead (g/g)	0.000	1.000
Manganese (g/g)	0.000	1.000
Mercury (g/g)	0.000	1.000
Nickel (g/g)	0.000	1.000
Selenium (g/g)	0.000	1.000
Silver (g/g)	0.000	1.000
Sulfur (g/g)	0.000	1.000
Titanium (g/g)	0.000	1.000
Zinc (g/g)	0.000	1.000

ANALYTICAL PARAMETERS

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REMARKS: Page 1 of 1

Thomson

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. 0820873/1

05/09/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803
ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/NO12320F
COLLECTED BY: Client DATE COL'D: 04/11/88 RECEIVED: 04/13/88
SAMPLE: Soil Sample, 2-6, 25-27 ft

ANALYTICAL PARAMETERS

Chloromethane	ug/Kg	<5
Bromomethane	ug/Kg	<5
Dichlorodifluoromethane	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5
Chloroethane	ug/Kg	<5
Methylene Chloride	ug/Kg	<10
Trichlorofluoromethane	ug/Kg	<10
11 Dichloroethene	ug/Kg	<10
11 Dichloroethane	ug/Kg	<10
12 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	<5
12 Dichloroethane	ug/Kg	<10
111 Trichloroethane	ug/Kg	<5
Carbon Tetrachloride	ug/Kg	<5
Bromodichloromethane	ug/Kg	<5
12 Dichloropropane	ug/Kg	<10
t 13 Dichloropropene	ug/Kg	<10
Trichloroethylene	ug/Kg	<5
Chlorodibromomethane	ug/Kg	<5
112 Trichloroethane	ug/Kg	<10
c 13 Dichloropropene	ug/Kg	<10
2chloroethvinylether	ug/Kg	<10
Bromoform	ug/Kg	<10
1122Tetrachloroethan	ug/Kg	<10
Tetrachloroethene	ug/Kg	<5

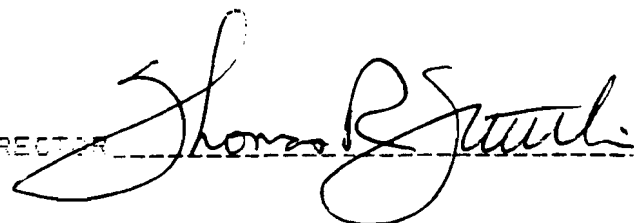
ANALYTICAL PARAMETERS

Chlorobenzene	ug/Kg	<5
13 Dichlorobenzene	ug/Kg	<5
12 Dichlorobenzene	ug/Kg	<5
14 Dichlorobenzene	ug/Kg	<5
Benzene	ug/Kg	<5
Toluene	ug/Kg	<5
Ethyl Benzene	ug/Kg	<5
m + p Xylene	ug/Kg	<10
o Xylene	ug/Kg	<5
Petrol. Hydrocarbons	mg/Kg	<16

cc:

REMARKS: Page 1 of 2

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. 0880873/1

05/07/88

Geraghty & Miller, Inc.
125 East Bathpage Rd.
Plainview, NY 11803
ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/NO1230CF
COLLECTED BY: Client DATE COL'D: 04/11/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-6, 25-27 ft

ANALYTICAL PARAMETERS

Antimony as Sb	mg/Kg	0.50
Arsenic as As	mg/Kg	0.85
Beryllium as Be	mg/Kg	0.28
Cadmium as Cd	mg/Kg	0.043
Chromium as Cr	mg/Kg	11
Copper as Cu	mg/Kg	11
Lead as Pb	mg/Kg	5.2
Mercury as Hg	mg/Kg	0.010
Nickel as Ni	mg/Kg	15
Selenium as Se	mg/Kg	0.079
Silver as Ag	mg/Kg	0.20
Thallium as Tl	mg/Kg	0.10
Zinc as Zn	mg/Kg	24

ANALYTICAL PARAMETERS

cc:

REMARKS: Page 2 of 2

DIRECTOR

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C883873/2

05/09/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803

ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/NO1230CF

COLLECTED BY: Client

DATE COL'D: 04/11/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-7, 30-32 ft

ANALYTICAL PARAMETERS

Chloromethane	ug/Kg	45
Bromomethane	ug/Kg	45
Dichlorodifluomethane	ug/Kg	45
Vinyl Chloride	ug/Kg	45
Chloroethane	ug/Kg	45
Methylene Chloride	ug/Kg	410
Trichlorofluomethane	ug/Kg	410
11 Dichloroethene	ug/Kg	410
11 Dichloroethane	ug/Kg	410
12 Dichloroethene	ug/Kg	410
Chloroform	ug/Kg	45
12 Dichloroethane	ug/Kg	410
111 Trichloroethane	ug/Kg	45
Carbon Tetrachloride	ug/Kg	45
Bromodichloromethane	ug/Kg	45
12 Dichloropropane	ug/Kg	410
t 13 Dichloropropene	ug/Kg	410
Trichloroethylene	ug/Kg	45
Chlorodibromomethane	ug/Kg	45
112 Trichloroethane	ug/Kg	410
c 13 Dichloropropene	ug/Kg	410
2chloroethvinylether	ug/Kg	410
Bromoform	ug/Kg	410
1122Tetrachloroethan	ug/Kg	410
Tetrachloroethene	ug/Kg	45

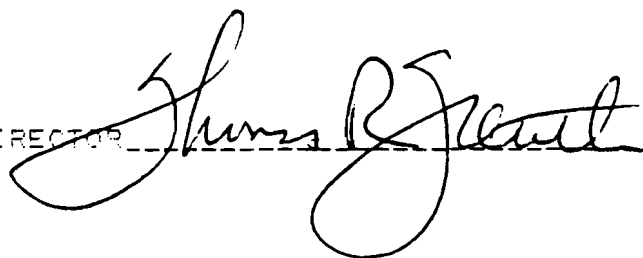
ANALYTICAL PARAMETERS

Chlorobenzene	ug/Kg	45
13 Dichlorobenzene	ug/Kg	45
12 Dichlorobenzene	ug/Kg	45
14 Dichlorobenzene	ug/Kg	45
Benzene	ug/Kg	45
Toluene	ug/Kg	45
Ethyl Benzene	ug/Kg	45
m + p Xylene	ug/Kg	410
o Xylene	ug/Kg	45
Petrol. Hydrocarbons	mg/Kg	16

cc:

REMARKS: Page 1 of 2

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C880873/2

05/09/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803

ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/NO1230CF

COLLECTED BY: Client

DATE COL'D: 04/11/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-7, 30-32 ft

ANALYTICAL PARAMETERS

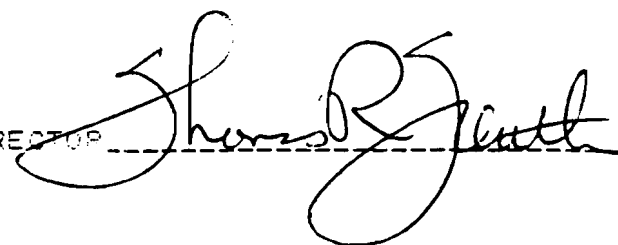
Antimony as Sb	mg/Kg	2.75
Arsenic as As	mg/Kg	3.88
Beryllium as Be	mg/Kg	2.23
Cadmium as Cd	mg/Kg	2.090
Chromium as Cr	mg/Kg	15
Copper as Cu	mg/Kg	15
Lead as Pb	mg/Kg	5.0
Mercury as Hg	mg/Kg	0.011
Nickel as Ni	mg/Kg	18
Selenium as Se	mg/Kg	40.075
Silver as Ag	mg/Kg	0.25
Thallium as Tl	mg/Kg	0.22
Zinc as Zn	mg/Kg	42

ANALYTICAL PARAMETERS

cc:

REMARKS: Page 2 of 2

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. 0280873/3

25/09/88

Geraghty & Miller, Inc.
125 East Bathpage Rd.
Plainview, NY 11803

ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/N01230CF

COLLECTED BY: Client

DATE COL'D: 04/11/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-8, 30-32 ft

ANALYTICAL PARAMETERS

Chloromethane	ug/Kg	<5
Bromomethane	ug/Kg	<5
Dichlorodifluomethane	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5
Chloroethane	ug/Kg	<5
Methylene Chloride	ug/Kg	<10
Trichlorofluomethane	ug/Kg	<10
11 Dichloroethene	ug/Kg	<10
11 Dichloroethane	ug/Kg	<10
12 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	<5
12 Dichloroethane	ug/Kg	<10
111 Trichloroethane	ug/Kg	<5
Carbon Tetrachloride	ug/Kg	<5
Bromodichloromethane	ug/Kg	<5
12 Dichloropropane	ug/Kg	<10
t 13 Dichloropropene	ug/Kg	<10
Trichloroethylene	ug/Kg	<5
Chlorodibromomethane	ug/Kg	<5
112 Trichloroethane	ug/Kg	<10
c 13 Dichloropropene	ug/Kg	<10
2chloroethvinylether	ug/Kg	<10
Bromoform	ug/Kg	<10
1122Tetrachloroethan	ug/Kg	<10
Tetrachloroethene	ug/Kg	<5

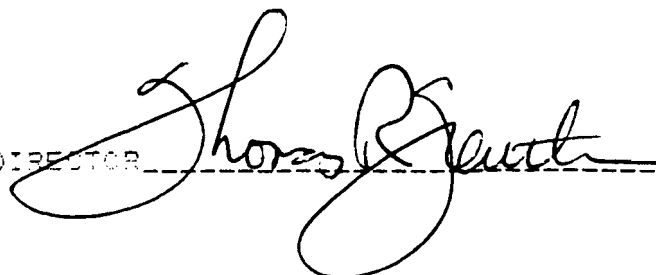
ANALYTICAL PARAMETERS

Chlorobenzene	ug/Kg	5
13 Dichlorobenzene	ug/Kg	<5
12 Dichlorobenzene	ug/Kg	<5
14 Dichlorobenzene	ug/Kg	5
Benzene	ug/Kg	5
Toluene	ug/Kg	<5
Ethyl Benzene	ug/Kg	<5
m + p Xylene	ug/Kg	<10
o Xylene	ug/Kg	<5
Petrol. Hydrocarbons	mg/Kg	<15

cc:

REMARKS: Page 1 of 2

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. 0880873/3

05/09/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803
ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/NO1230CF
COLLECTED BY: Client DATE COL'D: 04/11/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-8, 30-32 ft

ANALYTICAL PARAMETERS

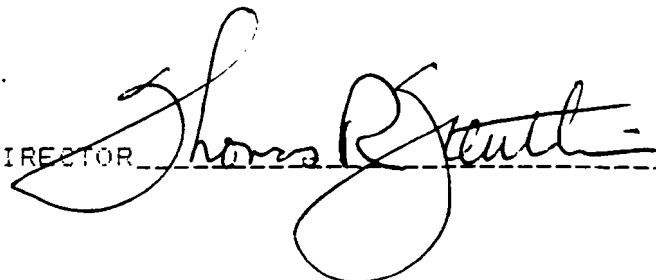
Antimony as Sb	mg/Kg	0.17
Arsenic as As	mg/Kg	1.4
Beryllium as Be	mg/Kg	0.28
Cadmium as Cd	mg/Kg	0.043
Chromium as Cr	mg/Kg	6.5
Copper as Cu	mg/Kg	3.6
Lead as Pb	mg/Kg	1.3
Mercury as Hg	mg/Kg	0.007
Nickel as Ni	mg/Kg	9.5
Selenium as Se	mg/Kg	<0.075
Silver as Ag	mg/Kg	0.10
Thallium as Tl	mg/Kg	0.060
Zinc as Zn	mg/Kg	14

ANALYTICAL PARAMETERS

cc:

REMARKS: Page 2 of 2

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. 0280873/5

05/29/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803
ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/N01230CF
COLLECTED BY: Client DATE COL'D: 04/12/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-9, 30-32 ft

ANALYTICAL PARAMETERS

Chloromethane	ug/Kg	15
Bromomethane	ug/Kg	45
Dichlorodifluoromethane	ug/Kg	45
Vinyl Chloride	ug/Kg	45
Chloroethane	ug/Kg	45
Methylene Chloride	ug/Kg	<10
Trichlorofluoromethane	ug/Kg	<10
11 Dichloroethene	ug/Kg	<10
11 Dichloroethane	ug/Kg	<10
12 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	45
12 Dichloroethane	ug/Kg	<10
111 Trichloroethane	ug/Kg	45
Carbon Tetrachloride	ug/Kg	45
Bromodichloromethane	ug/Kg	45
12 Dichloropropane	ug/Kg	<10
t 13 Dichloropropene	ug/Kg	<10
Trichloroethylene	ug/Kg	45
Chlorodibromomethane	ug/Kg	45
112 Trichloroethane	ug/Kg	<10
c 13 Dichloropropene	ug/Kg	<10
2chloroethvinylether	ug/Kg	<10
Bromoform	ug/Kg	<10
1122Tetrachloroethan	ug/Kg	<10
Tetrachloroethene	ug/Kg	45

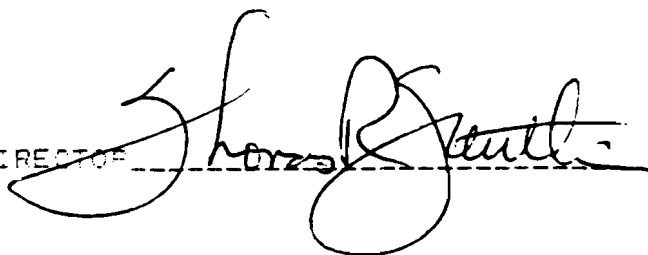
ANALYTICAL PARAMETERS

Chlorobenzene	ug/Kg	45
13 Dichlorobenzene	ug/Kg	45
12 Dichlorobenzene	ug/Kg	45
14 Dichlorobenzene	ug/Kg	45
Benzene	ug/Kg	45
Toluene	ug/Kg	45
Ethyl Benzene	ug/Kg	45
m + p Xylene	ug/Kg	<10
o Xylene	ug/Kg	45
Petrol. Hydrocarbons	ug/Kg	<16

cc:

REMARKS: Page 1 of 2

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. 0880873/5

05/09/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803

ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/NO1230CF

COLLECTED BY: Client DATE COL'D: 04/12/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-9, 30-32 ft

ANALYTICAL PARAMETERS

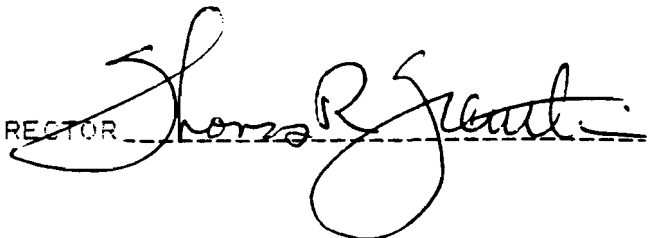
Antimony as Sb	mg/Kg	0.34
Arsenic as As	mg/Kg	2.7
Beryllium as Be	mg/Kg	0.27
Cadmium as Cd	mg/Kg	0.17
Chromium as Cr	mg/Kg	8.5
Copper as Cu	mg/Kg	8.0
Lead as Pb	mg/Kg	4.0
Mercury as Hg	mg/Kg	0.015
Nickel as Ni	mg/Kg	11
Selenium as Se	mg/Kg	0.10
Silver as Ag	mg/Kg	0.10
Thallium as Tl	mg/Kg	0.12
Zinc as Zn	mg/Kg	21

ANALYTICAL PARAMETERS

cc:

REMARKS: Page 2 of 2

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C880873/4

05/09/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803

ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/N01230CF

COLLECTED BY: Client DATE COL'D: 04/12/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-10, 5-7 ft

ANALYTICAL PARAMETERS

Chloromethane	ug/Kg	<5
Bromomethane	ug/Kg	<5
Dichlorodifluomethane	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5
Chloroethane	ug/Kg	<5
Methylene Chloride	ug/Kg	<10
Trichlorofluomethane	ug/Kg	<10
11 Dichloroethene	ug/Kg	<10
11 Dichloroethane	ug/Kg	<10
12 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	<5
12 Dichloroethane	ug/Kg	<10
111 Trichloroethane	ug/Kg	<5
Carbon Tetrachloride	ug/Kg	<5
Bromodichloromethane	ug/Kg	<5
12 Dichloropropene	ug/Kg	<10
t 13 Dichloropropene	ug/Kg	<10
Trichloroethylene	ug/Kg	<5
Chlorodibromomethane	ug/Kg	<5
112 Trichloroethane	ug/Kg	<10
c 13 Dichloropropene	ug/Kg	<10
2chloroethvinylether	ug/Kg	<10
Bromoform	ug/Kg	<10
1122Tetrachloroethan	ug/Kg	<10
Tetrachloroethene	ug/Kg	<5

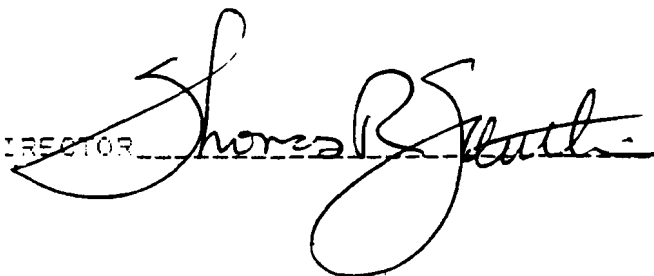
ANALYTICAL PARAMETERS

Chlorobenzene	ug/Kg	<5
13 Dichlorobenzene	ug/Kg	<5
12 Dichlorobenzene	ug/Kg	<5
14 Dichlorobenzene	ug/Kg	<5
Benzene	ug/Kg	<5
Toluene	ug/Kg	<5
Ethyl Benzene	ug/Kg	<5
m + p Xylene	ug/Kg	<10
o Xylene	ug/Kg	<5
Petrol. Hydrocarbons	mg/Kg	41

cc:

REMARKS: Page 1 of 2

DIRECTOR



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. 0880873/4

05/09/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803

ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/NO1230CF

COLLECTED BY: Client DATE COL'D: 04/12/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-10, 5-7 ft

ANALYTICAL PARAMETERS

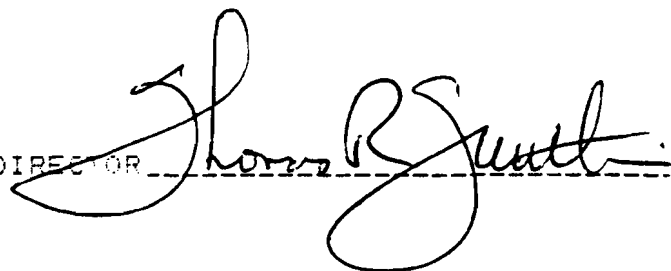
Antimony as Sb	mg/Kg	0.16
Arsenic as As	mg/Kg	2.7
Beryllium as Be	mg/Kg	0.16
Cadmium as Cd	mg/Kg	0.090
Chromium as Cr	mg/Kg	33
Copper as Cu	mg/Kg	10
Lead as Pb	mg/Kg	3.5
Mercury as Hg	mg/Kg	0.014
Nickel as Ni	mg/Kg	13
Selenium as Se	mg/Kg	0.13
Silver as Ag	mg/Kg	0.10
Thallium as Tl	mg/Kg	0.15
Zinc as Zn	mg/Kg	14

ANALYTICAL PARAMETERS

cc:

REMARKS: Page 2 of 2

DIRECTOR



ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LHA 40.0380777/5

04/27/98

Servants & Miller, Inc.
125 East Bethpage Rd.
Plainville, NY 11803

ATTN:

SOURCE OF SAMPLE: Sperry/Unisys, NO1250CP
COLLECTED BY: Client DATE COL'D: 03/31/98 RECEIVED: 04/04/98

SAMPLE: Soil Sample, P-11, 30-30"

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloroethane	ug/kg	5	Chlorobenzene	ug/kg	5
Bromochloroethane	ug/kg	5	1,2-Dichlorobenzene	ug/kg	10
Dibromodifluoroethane	ug/kg	5	1,2-Dichlorobenzene	ug/kg	10
Vinyl Chloride	ug/kg	5	1,4-Dichlorobenzene	ug/kg	10
Chloroethane	ug/kg	5	Benzene	ug/kg	5
Methylene Chloride	ug/kg	10	Toluene	ug/kg	10
Trichlorofluoromethane	ug/kg	10	Ethyl Benzene	ug/kg	5
1,1-Dichloroethane	ug/kg	10	M-Xylene	ug/kg	10
1,2-Dichloroethane	ug/kg	10	p-Xylene	ug/kg	10
Chloroform	ug/kg	5	Petroleum Hydrocarbons	ug/kg	10
1,2-Dichloroethane	ug/kg	10	Arsenic as As	ug/kg	1.0
1,1-Trichloroethane	ug/kg	5	Beryllium as Be	ug/kg	0.056
Carbon Tetrachloride	ug/kg	5	Cadmium as Cd	ug/kg	0.045
Bromobromochloroethane	ug/kg	5	Cobaltium as Co	ug/kg	1.0
1,1-Dichloropropane	ug/kg	10	Copper as Cu	ug/kg	3.1
1,2-Dichloropropane	ug/kg	10	Lead as Pb	ug/kg	3.1
Trichloroethylene	ug/kg	5	Mercury as Hg	ug/kg	0.056
Bromochloroethane	ug/kg	5	Nickel as Ni	ug/kg	3.0
1,2-Trichloroethane	ug/kg	10	Selenium as Se	ug/kg	0.075
1,2-Dichloropropane	ug/kg	10	Silver as Ag	ug/kg	10.05
2-Chloroethylvinylether	ug/kg	10	Thallium as Tl	ug/kg	0.025
Chloroform	ug/kg	10	Antimony as Sb	ug/kg	2.060
1,1-Dibromochloroethane	ug/kg	10	Zinc as Zn	ug/kg	3.9
1,2-Dibromochloroethane	ug/kg	10			

CC:

REMARKS:

ANALYST: *Donald E. Smith*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. 0890777/3

04/27/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803

ATTN:

SOURCE OF SAMPLE: Sperry/Unisys, NO12320F1
COLLECTED BY: Client DATE COL'D: 03/31/88 RECEIVED: 04/24/88

SAMPLE: Soil Sample, B-12, 30-32'

ANALYTICAL PARAMETERS

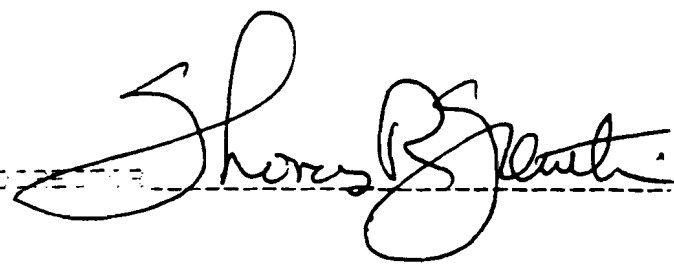
Chloromethane	ug/Kg	15
Bromomethane	ug/Kg	45
Dichlorodifluoromethane	ug/Kg	15
Vinyl Chloride	ug/Kg	45
Chloroethane	ug/Kg	45
Methylene Chloride	ug/Kg	<10
Trichlorofluoromethane	ug/Kg	<10
1,1 Dichloroethene	ug/Kg	<10
1,1 Dichloroethane	ug/Kg	<10
1,2 Dichloroethane	ug/Kg	<10
Chloroform	ug/Kg	15
1,2 Dichloroethane	ug/Kg	<10
1,1,1 Trichloroethane	ug/Kg	15
Carbon Tetrachloride	ug/Kg	15
Bromochloromethane	ug/Kg	15
1,2 Dichloropropane	ug/Kg	<10
1,1,2 Dichloropropane	ug/Kg	<10
Trichloroethylene	ug/Kg	15
Chlorobromomethane	ug/Kg	15
1,1,2 Trichloroethane	ug/Kg	<10
1,1,2 Dichloropropene	ug/Kg	<10
1-chloroethvinylether	ug/Kg	<10
Bromoform	ug/Kg	<10
1,1,2,2-tetrachloroethane	ug/Kg	<10
Tetrachloroethene	ug/Kg	<10

ANALYTICAL PARAMETERS

Chlorobenzene	ug/Kg	15
1,3 Dichlorobenzene	ug/Kg	<10
1,4 Dichlorobenzene	ug/Kg	<10
1,4 Dichlorobenzene	ug/Kg	<10
Benzene	ug/Kg	45
Toluene	ug/Kg	<10
Ethyl Benzene	ug/Kg	45
m Xylene	ug/Kg	<10
o-xylene	ug/Kg	<10
Petrol. Hydrocarbons	mg/Kg	<16
Arsenic as As	mg/Kg	1.8
Beryllium as Be	mg/Kg	2.22
Cadmium as Cd	mg/Kg	0.032
Chromium as Cr	mg/Kg	3.0
Copper as Cu	mg/Kg	6.3
Lead as Pb	mg/Kg	1.2
Manganese as Mn	mg/Kg	1.212
Nickel as Ni	mg/Kg	12
Selenium as Se	mg/Kg	2.074
Silver as Ag	mg/Kg	2.15
Thallium as Tl	mg/Kg	0.055
Antimony as Sb	mg/Kg	2.34
Zinc as Zn	mg/Kg	17

cc:

REMARKS:

SIGNED: 

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C880777/2

04/27/88

Geraghty & Miller, Inc.
135 East Bethpage Rd.
Plainview, NY 11803

ATTN:

SOURCE OF SAMPLE: Sperry/Unisys, NO1230CF1

COLLECTED BY: Client DATE COL'D: 03/31/88 RECEIVED: 04/04/88

SAMPLE: Soil Sample, B-13, 25-27

ANALYTICAL PARAMETERS

Chloromethane	ug/Kg	5
Bromomethane	ug/Kg	5
Dichlorodifluoromethane	ug/Kg	5
Vinyl Chloride	ug/Kg	5
Chloroethane	ug/Kg	5
Methylene Chloride	ug/Kg	10
Trichlorofluoromethane	ug/Kg	<10
1,1 Dichloroethene	ug/Kg	<10
1,1 Dichloroethane	ug/Kg	<10
1,2 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	<5
1,2 Dichloroethane	ug/Kg	<10
1,1,1 Trichloroethane	ug/Kg	<5
Carbon Tetrachloride	ug/Kg	<5
Bromodichloromethane	ug/Kg	<5
1,2 Dichloropropane	ug/Kg	<10
1,1,3 Trichloropropane	ug/Kg	<10
1,1,2 Trichloroethylene	ug/Kg	5
Chlorodibromomethane	ug/Kg	<5
1,1,2 Trichloroethane	ug/Kg	<10
1,1,1,3 Tetrachloropropane	ug/Kg	<10
2-Chloroethoxyvinylether	ug/Kg	<10
Bromochloromethane	ug/Kg	<10
1,1,2,2 Tetrachloroethane	ug/Kg	<10
Tetrachloroethene	ug/Kg	<10

ANALYTICAL PARAMETERS

Chlorobenzene	ug/Kg	5
1,3 Dichlorobenzene	ug/Kg	10
1,2 Dichlorobenzene	ug/Kg	10
1,4 Dichlorobenzene	ug/Kg	10
Benzene	ug/Kg	5
Toluene	ug/Kg	10
Ethyl Benzene	ug/Kg	5
m Xylene	ug/Kg	10
o+p Xylene	ug/Kg	10
Petrol. Hydrocarbons	mg/Kg	<16
Arsenic as As	mg/Kg	1.6
Beryllium as Be	mg/Kg	0.075
Cadmium as Cd	mg/Kg	0.045
Chromium as Cr	mg/Kg	1.0
Copper as Cu	mg/Kg	5.1
Lead as Pb	mg/Kg	1.1
Mercury as Hg	mg/Kg	0.021
Nickel as Ni	mg/Kg	7.3
Selenium as Se	mg/Kg	0.092
Silver as Ag	mg/Kg	0.035
Thallium as Tl	mg/Kg	0.04
Antimony as Sb	mg/Kg	0.060
Zinc as Zn	mg/Kg	4.8

EC:

REMARKS:

THOMAS R. GALT

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C880873/6

05/09/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803

ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/N01230CF

COLLECTED BY: Client

DATE COL'D: 04/12/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-14, 25-27 ft

ANALYTICAL PARAMETERS

Chloromethane	ug/Kg	<5
Bromomethane	ug/Kg	<5
Dichlorodifluomethane	ug/Kg	<5
Vinyl Chloride	ug/Kg	<5
Chloroethane	ug/Kg	<5
Methylene Chloride	ug/Kg	<10
Trichlorofluomethane	ug/Kg	<10
11 Dichloroethene	ug/Kg	<10
11 Dichloroethane	ug/Kg	<10
12 Dichloroethene	ug/Kg	<10
Chloroform	ug/Kg	<5
12 Dichloroethane	ug/Kg	<10
111 Trichloroethane	ug/Kg	<5
Carbon Tetrachloride	ug/Kg	<5
Bromodichloromethane	ug/Kg	<5
12 Dichloropropane	ug/Kg	<10
13 Dichloropropene	ug/Kg	<10
Trichloroethylene	ug/Kg	<5
Chlorodibromomethane	ug/Kg	<5
112 Trichloroethane	ug/Kg	<10
13 Dichloropropene	ug/Kg	<10
2chloroethvinylether	ug/Kg	<10
Bromoform	ug/Kg	<10
1122Tetrachloroethan	ug/Kg	<10
Tetrachloroethane	ug/Kg	<5

ANALYTICAL PARAMETERS

Chlorobenzene	ug/Kg	<5
13 Dichlorobenzene	ug/Kg	<5
12 Dichlorobenzene	ug/Kg	<5
14 Dichlorobenzene	ug/Kg	<5
Benzene	ug/Kg	<5
Toluene	ug/Kg	<5
Ethyl Benzene	ug/Kg	<5
m + p Xylene	ug/Kg	<10
o Xylene	ug/Kg	<5
Petrol. Hydrocarbons	mg/Kg	<17

cc:

REMARKS: Page 1 of 2

DIRECTOR

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C880873/6

05/09/88

Geraghty & Miller, Inc.
125 East Bethpage Rd.
Plainview, NY 11803

ATTN: Doug Neuton

SOURCE OF SAMPLE: Unisys/NO1230CF

COLLECTED BY: Client DATE COL'D: 04/12/88 RECEIVED: 04/13/88

SAMPLE: Soil Sample, B-14, 25-27 ft

ANALYTICAL PARAMETERS

Antimony as Sb	mg/Kg	0.050
Arsenic as As	mg/Kg	1.1
Beryllium as Be	mg/Kg	0.23
Cadmium as Cd	mg/Kg	0.27
Chromium as Cr	mg/Kg	3.5
Copper as Cu	mg/Kg	8.0
Lead as Pb	mg/Kg	1.5
Mercury as Hg	mg/Kg	0.089
Nickel as Ni	mg/Kg	11
Selenium as Se	mg/Kg	<0.075
Silver as Ag	mg/Kg	0.05
Thallium as Tl	mg/Kg	0.075
Zinc as Zn	mg/Kg	9.0

ANALYTICAL PARAMETERS

cc:

REMARKS: Page 2 of 2

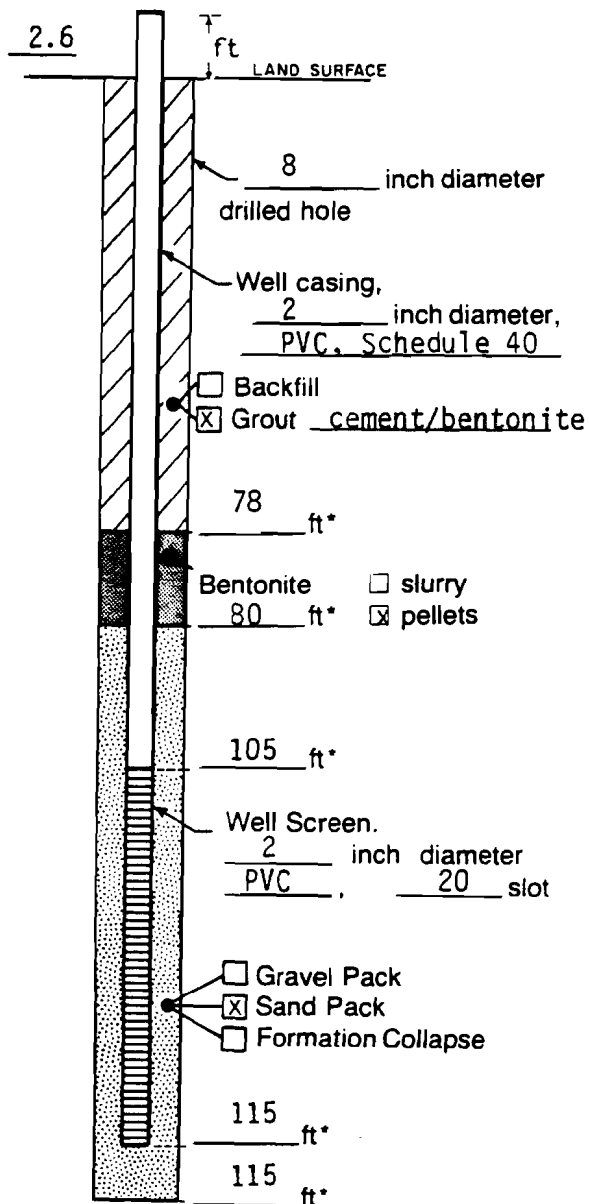
DIRECTOR

APPENDIX G3

G&M 1988 WELL CONSTRUCTION LOGS

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing.
Unless Otherwise Noted.

*Depth Below Land Surface

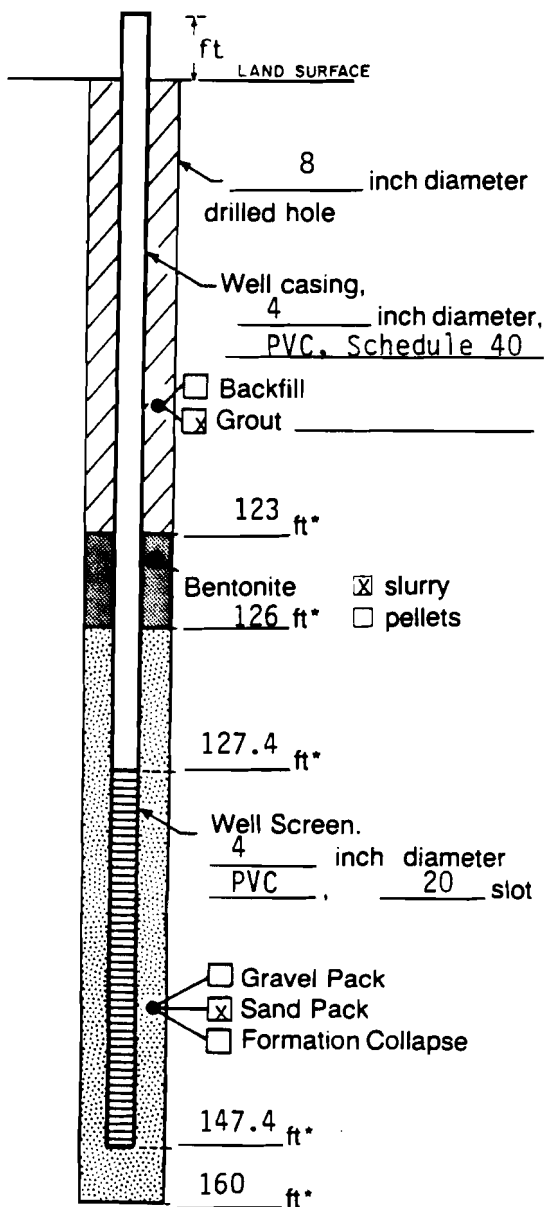
Project Unisys/NY1230GN3 Well GM-1S
Town/City Great Neck
County Nassau State New York
Permit No. N/A
Land-Surface Elevation
and Datum N/A feet ☐ Surveyed
☐ Estimated
Installation Date(s) 4/28 - 5/4/88
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling, Inc.
Drilling Fluid Bentonite
Development Technique(s) and Date(s)
Fluid Loss During Drilling N/A gallon
Water Removed During Development N/A gallon
Static Depth to Water _____ feet below M.F.
Pumping Depth to Water _____ feet below M.F.
Pumping Duration N/A hours
Yield _____ gpm Date _____
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks

Prepared by Doug Newton

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project Unisys/NY1230GN1 Well GM-1
 Town/City Great Neck
 County Nassau State New York
 Permit No. N/A
 Land-Surface Elevation
 and Datum N/A feet ☐ Surveyed
☐ Estimated
 Installation Date(s) 5/20/88 - 5/24/88
 Drilling Method Mud Rotary
 Drilling Contractor Environmental Drilling, Inc.
 Drilling Fluid Bentonite and potable water

Development Technique(s) and Date(s)

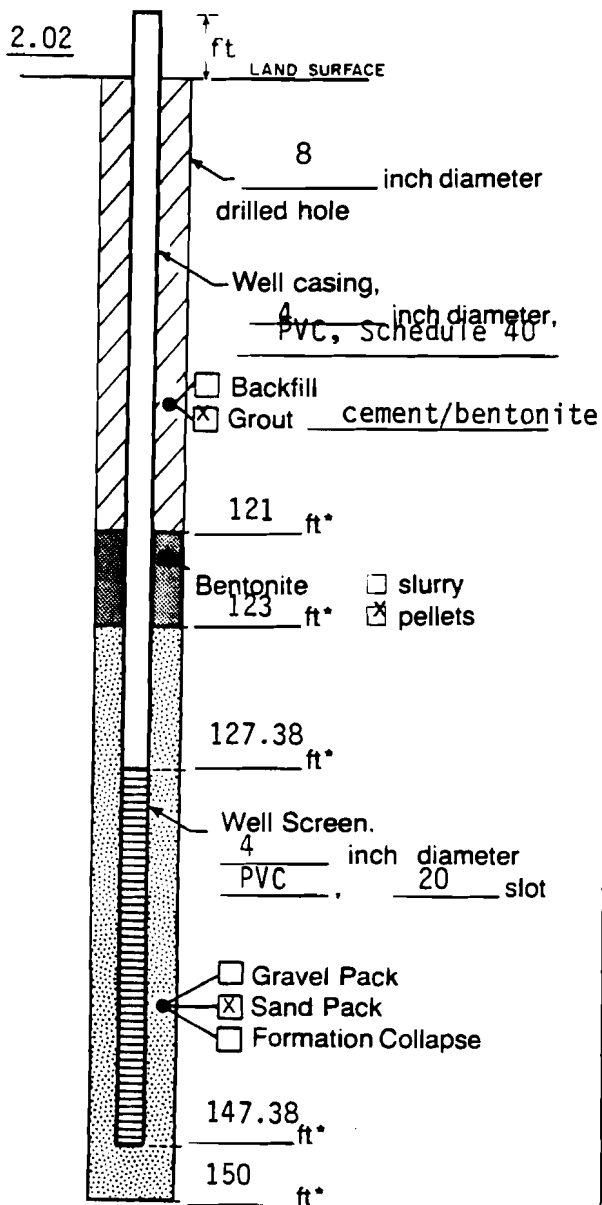
Fluid Loss During Drilling N/A gallons
 Water Removed During Development _____ gallons
 Static Depth to Water _____ feet below M.
 Pumping Depth to Water _____ feet below M.
 Pumping Duration _____ hours
 Yield _____ gpm Date _____
 Specific Capacity _____ gpm/ft
 Well Purpose Monitoring Well

Remarks

Prepared by Doug Newton

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

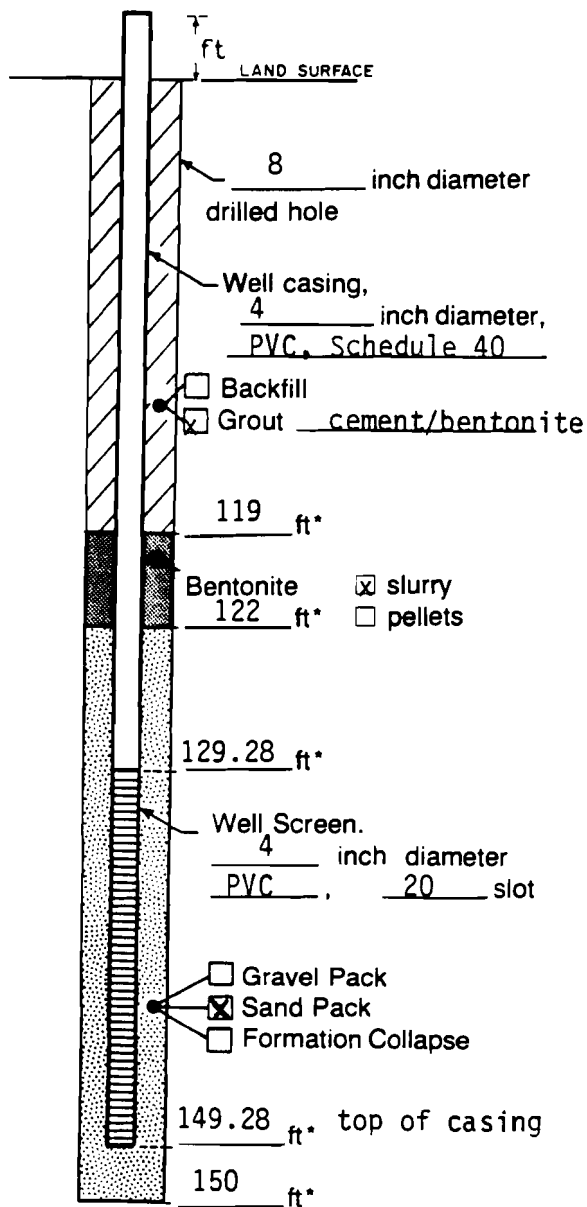
Project Unisys/NY1230GN3 Well GM-2
Town/City Great Neck
County Nassau State New York
Permit No. N/A
Land-Surface Elevation N/A feet ☐ Surveyed
and Datum N/A feet ☐ Estimated
Installation Date(s) 5/10/88 - 5/12/88
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling, Inc.
Drilling Fluid _____
Development Technique(s) and Date(s)
5/11/88: pumped well with submersible at 7 gpm; pumpe
clear after 1.5 hours.
Fluid Loss During Drilling N/A gallons
Water Removed During Development 970 gallons
Static Depth to Water _____ feet below M.
Pumping Depth to Water N/A feet below M.
Pumping Duration 2.5 hours
Yield 7 gpm Date _____
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks _____

Prepared by Doug Newton

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project Unisys/NY1230GN3 Well GM-3
Town/City Great Neck
County Nassau State New York
Permit No. N/A
Land-Surface Elevation
and Datum N/A feet ☐ Surveyed
☐ Estimated
Installation Date(s) 5/12/88 - 5/17/88
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling, Inc.
Drilling Fluid Bentonite; potable water

Development Technique(s) and Date(s)
5/20/88; 15 minutes, pumped dry.

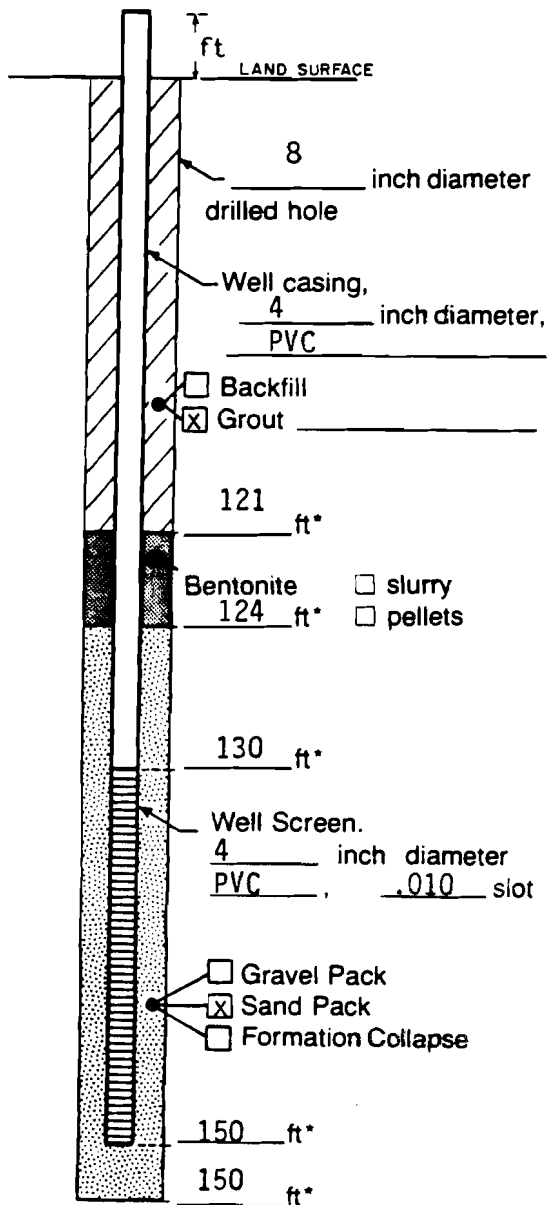
Fluid Loss During Drilling N/A gallons
Water Removed During Development _____ gallons
Static Depth to Water _____ feet below M.
Pumping Depth to Water _____ feet below M.
Pumping Duration _____ hours
Yield _____ gpm Date _____
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks

Prepared by Doug Newton

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project Unisys/NY1230GN01 Well GM-4
Town/City Great Neck
County Nassau State New York
Permit No. _____
Land-Surface Elevation _____ feet ☐ Surveyed
and Datum _____ ☐ Estimated
Installation Date(s) 5/24 to 5/26/88
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling, Inc.
Drilling Fluid _____

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallon
Water Removed During Development _____ gallon
Static Depth to Water _____ feet below M.F.
Pumping Depth to Water _____ feet below M.F.
Pumping Duration _____ hours
Yield _____ gpm Date _____
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks _____

Prepared by Neil H. Benowitz

APPENDIX G4

**G & M 1988
GROUNDWATER/SEDIMENT
CHEMISTRY**



REPORT TRANSMITTAL

REPORT NUMBER 30880-1109

DATE August 17, 1988

CLIENT Geraghty & Miller, Inc.
 125 East Bethpage Road
 Plainview, NY 11803

ATTENTION Mr. Neil Benowitz

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

Very Truly Yours,

ROBERT Q. BRADLEY
Vice President/Principal

August 17, 1988

30880-1109
GERAGHTY & MILLER, INC.
125 East Bethpage Road
Plainview, New York 11803

Attention: Mr. Neil Benowitz

PURPOSE

Eight (8) samples, one field blank and one (1) trip blank were submitted to York Laboratories Division of YWC, Inc. for analysis. The client requested the samples be analyzed for the parameters listed in Table 1.0.

METHODOLOGY

Volatile organics were determined using purge and trap GC/MS. The instrumentation used was a Tekmar Dynamic Headspace Concentrator interfaced with a Hewlett-Packard Model 5995C GC/MS/DS.

Metals were determined by atomic spectroscopy using a Perkin-Elmer Model 6500XR ICP and a Zeeman Model 3030 AAS. Mercury was determined by the cold vapor technique utilizing the Perkin-Elmer Model 2380 AAS.

Cyanide and phenols were determined colorimetrically after preliminary distillation.

Petroleum hydrocarbons were determined by infrared spectroscopy after preliminary extraction with Freon.

RESULTS

The results are presented in the following Tables.

Prepared by:

Jeffrey C. Curran / JRC
Jeffrey C. Curran
Laboratory Manager

JCC/tma

The liability of YWC, Inc. is limited to the actual dollar value of this project.

TABLE 1.0
30880-1109
GERAGHTY & MILLER, INC.
ANALYTICAL REQUESTS

<u>Sample Identification</u>	<u>Requested Parameters</u>
GM-2, GM-3, GM-4, GM-1S, REP-1, SW-1 GM-1D, Pond Sediment	Chromium, copper, lead, nickel, petroleum hydrocarbons, priority pollutant volatiles.
Field Blank, Trip Blank	Priority pollutant volatiles

TABLE 2.0
30880-1109
GERAGHTY & MILLER, INC.
MISCELLANEOUS METALS RESULTS

All values are ug/L.

<u>Sample Identification</u>	<u>Chromium</u>	<u>Copper</u>	<u>Lead</u>	<u>Nickel</u>
GM-2	<10	<25	<5.0	<40
GM-3	<10	<25	<5.0	<40
GM-4	<10	<25	<5.0	<40
GM-1S	<10	<25	<5.0	<40
REP 1	<10	<25	<5.0	<40
SW-1	<10	<25	<5.0	<40
GM-1D	26	<25	<5.0	<40
Pond Sediment	54	617	150	41

TABLE 3.0
30880-1109
GERAGHTY & MILLER, INC.
PETROLEUM HYDROCARBONS RESULTS

All values are mg/L.

<u>Sample Identification</u>	<u>Petroleum Hydrocarbons</u>
GM-2	1.0
GM-3	0.4
GM-4	1.2
GM-1S	1.0
REP 1	2.2
SW-1	1.6
GM-1D	1.2
Pond Sediment	391*

*unit is mg/Kg.

TABLE 4.0
30880-1109
GERAGHTY & MILLER, INC.
EPA PRIORITY POLLUTANT VOLATILE COMPOUNDS

Aqueous

All results reported as ug/L.

Sample Identification					
<u>Dilution Factor</u>	<u>1.0</u>	<u>5.0</u>	<u>5.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>B2144</u>	<u>>B2144</u>	<u>>B2144</u>	<u>>B2144</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>GM-2</u>	<u>GM-3</u>	<u>GM-4</u>	<u>Lower Limits of Detection with no Dilution</u>
chloromethane	U	U	U	U	10
bromomethane	U	U	U	U	10
vinyl chloride	U	U	U	U	10
chloroethane	U	U	U	U	10
methylene chloride	6	U	36B	U	5
trichlorofluoromethane	U	U	U	U	10
acrolein	U	U	U	U	100
acrylonitrile	U	U	U	U	35
1,1-dichloroethene	U	U	U	U	5
1,1-dichloroethane	U	U	U	U	5
2-dichloroethene (total)	U	620	830	120	5
chloroform	U	U	U	U	5
1,2-dichloroethane	U	U	U	U	5
1,1,1-trichloroethane	U	U	U	U	5
carbon tetrachloride	U	U	U	U	5
bromodichloromethane	U	U	U	U	5
2-chloroethylvinyl ether	U	U	U	U	10
1,2-dichloropropane	U	U	U	U	5
cis-1,3-dichloropropene	U	U	U	U	5
trichloroethylene	U	91	180	56	5
benzene	U	U	U	U	5
trans-1,3-dichloropropene	U	U	U	U	5
dibromochloromethane	U	U	U	U	5
1,1,2-trichloroethane	U	U	U	U	5
bromoform	U	U	U	U	5
tetrachloroethylene	U	83	120	21	5
1,1,2,2-tetrachloroethane	U	U	U	U	5
toluene	U	27	9J	10	5
chlorobenzene	U	U	U	U	5
ethyl benzene	U	U	U	U	5

U, J, B - See Appendix for definition.

TABLE 4.1
30880-1109
GERAGHTY & MILLER, INC.
EPA PRIORITY POLLUTANT VOLATILE COMPOUNDS

Aqueous

All results reported as ug/L.

Sample Identification						
<u>Dilution Factor</u>	<u>1.0</u>	<u>20.0</u>	<u>5.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>B2144</u>	<u>>B2144</u>	<u>>B2144</u>	<u>>B2144</u>	<u>>B2144</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>GM-1S</u>	<u>REP-1</u>	<u>Field Blank</u>	<u>Trip Blank</u>	<u>Lower Limits of Detection with no Dilution</u>
chloromethane	U	U	U	U	U	10
bromomethane	U	U	U	U	U	10
vinyl chloride	U	U	U	U	U	10
chloroethane	U	U	U	U	U	10
methylene chloride	6	U	U	120B	9B	5
trichlorofluoromethane	U	U	U	U	U	10
acrolein	U	U	U	U	U	100
acrylonitrile	U	U	U	U	U	35
1,1-dichloroethene	U	U	U	U	U	5
1,1-dichloroethane	U	U	U	U	U	5
2-dichloroethene (total)	U	3,400	610	U	U	5
chloroform	U	U	U	U	U	5
1,2-dichloroethane	U	U	U	U	U	5
1,1,1-trichloroethane	U	U	U	U	U	5
carbon tetrachloride	U	U	U	U	U	5
bromodichloromethane	U	U	U	U	U	5
2-chloroethylvinyl ether	U	U	U	U	U	10
1,2-dichloropropane	U	U	U	U	U	5
cis-1,3-dichloropropene	U	U	U	U	U	5
trichloroethylene	U	210	95	U	U	5
benzene	U	U	U	U	U	5
trans-1,3-dichloropropene	U	U	U	U	U	5
dibromochloromethane	U	U	U	U	U	5
1,1,2-trichloroethane	U	U	U	U	U	5
bromoform	U	U	U	U	U	5
tetrachloroethylene	U	160	89	U	U	5
1,1,2,2-tetrachloroethane	U	U	U	U	U	5
toluene	U	U	32	U	U	5
chlorobenzene	U	U	U	U	U	5
ethyl benzene	U	U	U	U	U	5

U, J, B - See Appendix for definition.

TABLE 4.3
30880-1109
GERAGHTY & MILLER, INC.
EPA PRIORITY POLLUTANT VOLATILE COMPOUNDS

Aqueous

All results reported as ug/L.

<u>Dilution Factor</u>	<u>Sample Identification</u>		<u>Lower Limits of Detection with no Dilution</u>
	<u>1.0</u>	<u>40.0</u>	
<u>Method Blank I.D.</u>	<u>>G4557</u>	<u>>G4557</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>GM-1D</u>	
chloromethane	U	U	10
bromomethane	U	U	10
vinyl chloride	U	U	10
chloroethane	U	U	10
methylene chloride	5	210B	5
trichlorofluoromethane	U	U	10
acrolein	U	U	100
acrylonitrile	U	U	35
1,1-dichloroethene	U	U	5
1,1-dichloroethane	U	U	5
1,2-dichloroethene (total)	U	5,100	5
chloroform	U	U	5
1,2-dichloroethane	U	U	5
1,1,1-trichloroethane	U	U	5
carbon tetrachloride	U	U	5
bromodichloromethane	U	U	5
2-chloroethylvinyl ether	U	U	10
1,2-dichloropropane	U	U	5
cis-1,3-dichloropropene	U	U	5
trichloroethylene	U	610	5
benzene	U	U	5
trans-1,3-dichloropropene	U	U	5
dibromochloromethane	U	U	5
1,1,2-trichloroethane	U	U	5
bromoform	U	U	5
tetrachloroethylene	U	590	5
1,1,2,2-tetrachloroethane	U	U	5
toluene	U	47J	5
chlorobenzene	U	U	5
ethyl benzene	U	U	5

U, J, B - See Appendix for definition.

TABLE 4.2
30880-1109
GERAGHTY & MILLER, INC.
EPA PRIORITY POLLUTANT VOLATILE COMPOUNDS

Aqueous

All results reported as ug/L.

<u>Dilution Factor</u>	<u>Sample Identification</u>		<u>Lower Limits of Detection with no Dilution</u>
	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>G4525</u>	<u>>G4525</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>SW-1</u>	
chloromethane	U	U	10
bromomethane	U	U	10
vinyl chloride	U	U	10
chloroethane	U	U	10
methylene chloride	4J	U	5
trichlorofluoromethane	U	U	10
acrolein	U	U	100
acrylonitrile	U	U	35
1,1-dichloroethene	U	U	5
1,1-dichloroethane	U	U	5
1,2-dichloroethene (total)	U	3J	5
chloroform	U	U	5
1,2-dichloroethane	U	U	5
1,1,1-trichloroethane	U	U	5
carbon tetrachloride	U	U	5
bromodichloromethane	U	U	5
2-chloroethylvinyl ether	U	U	10
1,2-dichloropropane	U	U	5
cis-1,3-dichloropropene	U	U	5
trichloroethylene	U	U	5
benzene	U	U	5
trans-1,3-dichloropropene	U	U	5
dibromochloromethane	U	U	5
1,1,2-trichloroethane	U	U	5
bromoform	U	U	5
tetrachloroethylene	U	U	5
1,1,2,2-tetrachloroethane	U	U	5
toluene	U	U	5
chlorobenzene	U	U	5
ethyl benzene	U	U	5

U, J - See Appendix for definition.

TABLE 4.4
30880-1109
GERAGHTY & MILLER, INC.
EPA PRIORITY POLLUTANT VOLATILE COMPOUNDS

Soil

All results reported as ug/Kg.

Sample Identification			
<u>Dilution Factor</u>	<u>1.00</u>	<u>1.32</u>	
<u>Method Blank I.D.</u>	<u>>B2235</u>	<u>>B2235</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>Pond Sediment</u>	<u>Lower Limits of Detection with no Dilution</u>
chloromethane	U	U	10
bromomethane	U	U	10
vinyl chloride	U	U	10
chloroethane	U	U	10
methylene chloride	U	U	5
trichlorofluoromethane	U	U	10
acrolein	U	U	100
acrylonitrile	U	U	35
1,1-dichloroethene	U	U	5
1-dichloroethane	U	U	5
2-dichloroethene (total)	U	U	5
chloroform	U	U	5
1,2-dichloroethane	U	U	5
1,1,1-trichloroethane	U	U	5
carbon tetrachloride	U	U	5
bromodichloromethane	U	U	5
2-chloroethylvinyl ether	U	U	10
1,2-dichloropropane	U	U	5
cis-1,3-dichloropropene	U	U	5
trichloroethylene	U	U	5
benzene	U	U	5
trans-1,3-dichloropropene	U	U	5
dibromochloromethane	U	U	5
1,1,2-trichloroethane	U	U	5
bromoform	U	U	5
tetrachloroethylene	U	U	5
1,1,2,2-tetrachloroethane	U	U	5
toluene	U	U	5
chlorobenzene	U	2J	5
ethyl benzene	U	U	5

U, J - See Appendix for definition.

APPENDIX

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- M - Matrix spike compound.

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REPORT TRANSMITTAL

REPORT NUMBER 20880-666

DATE AUGUST 12, 1988

CLIENT GERAGHTY & MILLER
 125 E. BETH PAGE ROAD
 PLAINVIEW, NY 18803

ATTENTION MR. DOUG NEWTON

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

Very Truly Yours,

KYLE E. DOOLBOW Ph.D.
President

000001

August 12, 1988

#20880-666
GERAGHTY & MILLER
125 E. BETH PAGE ROAD
PLAINVIEW, NY 11803

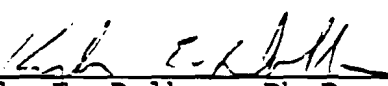
ATTENTION: MR. DOUG NEWTON

PURPOSE AND RESULTS:

Eight (8) samples including a volatile field blank were received on August 8, 1988 for analysis by York Laboratories of New Jersey, Inc. These samples were analyzed for Priority Pollutant Volatile Organics +15 and Total Petroleum Hydrocarbons by EPA Methods 624 and 418.1. Copper, chromium and nickel analysis was also performed on these samples. All samples were analyzed within the recommended holding times.

Results are in the following tables, with chain-of-custody and QC summary included as an Appendix.

DATA RELEASE AUTHORIZED BY:



Kyle E. Dolbow, Ph.D.
President

The liability of York Laboratories of New Jersey, Inc. is limited to the actual dollar value of this project.

QUALIFIERS

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- D - Sample extract was diluted by the factor listed due to the sample matrix and/or concentration levels. All method lower limits of detection for this sample are necessarily increased by this dilution factor.

000003

CLIENT G & Miller
 JB NO. 20880-666

WATER

EPA PRIORITY POLLUTANT
 VOLATILE COMPOUNDS
 ug/L

Dilution Factor (DF)	1.0	1.0	1.0	1.0	1.0	1.0	Lower Limits of Detection (LLD) with no Dilution*
Method Blank I.D.	>F4116	>F4116	>F4116	>F4116	>F4116	>F4116	
Client I.D.	VBK	GM-1S	GM-1D	GM-2	GM-3	GM-4	
Compound	QC- 0233V2	666001	666002	666003	666004	666005	
Chloromethane	U	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	U	10
Methylene Chloride	U	5J	7	5	9	7	5
Trichlorofluoromethane	U	12	17	13	19	16	5
1-Dichloroethene	U	U	26	U	U	U	5
1-Dichloroethane	U	4J	17	4J	U	U	5
trans-1,2-Dichloroethene	U	5700D ₁	9400D ₁	1900D ₂	1600D ₃	200	5
Chloroform	U	4J	U	U	U	3J	5
1,2-Dichloroethane	U	U	U	U	U	U	5
1,1,1-Trichloroethane	U	U	3J	U	U	3J	5
Carbon Tetrachloride	U	U	U	U	U	U	5
Bromodichloromethane	U	U	U	U	U	U	5
2-Chloroethylvinyl ether	U	U	U	U	U	U	5
1,2-Dichloropropane	U	7	7	U	U	U	5
trans-1,3-dichloropropene	U	U	U	U	U	1J	5
Trichloroethylene	U	290	920D ₁	240	220	80	5
Benzene	U	U	U	U	U	2J	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	5
Dibromochloromethane	U	U	U	U	U	U	5
1,1,2-Trichloroethane	U	5	7	U	U	2J	5
Bromoform	U	U	U	U	U	U	5
Tetrachloroethylene	U	190	1200D ₁	210	160	32	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	5
Toluene	U	3J	4J	4J	U	3J	5
Chlorobenzene	U	U	U	U	U	U	5
Ethyl Benzene	U	U	U	U	U	1J	5
m-Dichlorobenzene	U	U	U	U	U	U	5
o&p-Dichlorobenzene	U	U	U	U	U	U	10

*MDL (Minimum Detection Limit) = LLD x DF

U = 1:100
 D₂ = 1:50
 D₃ = 1:20

CLIENT G & Miller
 JOB NO. 20880-666

WATER

EPA PRIORITY POLLUTANT
VOLATILE COMPOUNDS
ug/L

<u>Dilution Factor (DF)</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>				<u>Lower</u>
<u>Method Blank I.D.</u>	<u>>F4116</u>	<u>>F4116</u>	<u>>F4116</u>				<u>Limits of</u>
<u>Client I.D.</u>	<u>SW-1</u>	<u>REP-1</u>	<u>FB</u>				<u>Detection</u>
<u>Compound</u>	<u>Lab I.D.</u>	<u>666006</u>	<u>666007</u>	<u>666008</u>			<u>(LLD)</u>
				<u>RE</u>			<u>with no</u>
							<u>Dilution*</u>
Chloromethane	U	U	U				10
Bromomethane	U	U	U				10
Vinyl Chloride	U	U	U				10
Chloroethane	U	U	U				10
Ethylene Chloride	3J	4J	1J				5
Trichlorofluoromethane	8	10	U				5
1,1-Dichloroethene	U	25	U				5
1,1-Dichloroethane	U	14	U				5
trans-1,2-Dichloroethene	9	9900D ₁	4				5
Chloroform	U	U	U				5
1,2-Dichloroethane	U	U	U				5
1,1, 1-Trichloroethane	U	U	U				5
Carbon Tetrachloride	U	U	U				5
Bromodichloromethane	U	U	U				5
2-Chloroethylvinyl ether	U	U	U				5
1,2-Dichloropropane	U	6	U				5
trans-1,3-dichloropropene	U	U	U				5
Trichloroethylene	U	990D ₁	U				5
Benzene	2J	U	U				5
cis-1,3-Dichloropropene	U	U	U				5
Dibromochloromethane	U	U	U				5
1,1,2-Trichloroethane	U	U	U				5
Bromoform	U	U	U				5
Tetrachloroethylene	2J	1100D ₁	1J				5
1,1,2,2-Tetrachloroethane	U	U	U				5
Toluene	2J	3J	2J				5
Chlorobenzene	U	U	U				5
Ethyl Benzene	1J	2J	U				5
m-Dichlorobenzene	U	U	U				5
o,p-Dichlorobenzene	U	U	U				10

*MDL (Minimum Detection Limit) = LLD x DF

D₁ = 1:100

CLIENT: G&M
JOB NO: 20880-666

Inorganic Data Summary
ug/L

<u>Analyte</u>	<u>Lab I.D.</u> <u>Client I.D.</u>	<u>666001</u> <u>GM-1S</u>	<u>666002</u> <u>GM-10</u>	<u>666003</u> <u>GM-2</u>	<u>666004</u> <u>GM-3</u>	<u>666005</u> <u>GM-4</u>	<u>666006</u> <u>SW-1</u>	<u>666007</u> <u>REP-1</u>
Chromium		<10	<10	<10	<10	<10	<10	<10
Copper		<25	<25	<25	<25	<25	35.8	<25
Nickel		<40	<40	<40	<40	<40	<40	<40

000005

000006

Client: Geraghty & Miller
Job No: 20880-666

Total Petroleum Hydrocarbons

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
666001	GW-1S	5 mg/l
666002	GW-1D	<1
666003	GW-2	<1
666004	GW-3	<1
666005	GW-5	<1
666006	SW-1	3
666006 Lab Duplicate		4
666007	REP-1	5
666007 Lab Duplicate		5
Blank Spike		73% recovery
Blank Spike Duplicate		98% recovery

APPENDIX

1. Chain-of-Custody
2. Laboratory Services Request
3. Laboratory Chronicle
4. QC Summary

CHAIN OF CUSTODY

1 000009
of 2

Due 8/10

PURCHASE ORDER # _____

Client: GIM Project: Great Neck Date/Time: 8/3
 Deliverables: Normal/4 Wks. 3Wks. 2Wks. RUSH 1WK. 5 day Other
 Report Format: Normal Tier II Tier I CLP
 Report To: _____ Billed To: _____
 (If Different) _____

20880-6660

# of Containers	A	B	C	D	E
Sample #	001	002	003	004	005
Sample I.D.	GM-1S	GM-1D	GM-2	GM-3	GM-4
Matrix	ag	ag	ag	ag	ag
PARAMETERS					
129 + 40					
P.P. Organics					
Vol. Organics	✓	✓	✓	✓	✓
V.O. + 15					
BaseNeu/ A.E.					
B.N./A.E. +25					
Base Neu.					
B.N. +15					
Acid Extract.					
A.E. +10					
P.A.H.					
Pest./PCB's					
PCB's					
P.P. Metals					
Cyanide					
Phenol					
Petro. Hydro.	✓	✓	✓	✓	✓
RCRA Explain					
Cu, Cr, Ni	✓	✓	✓	✓	✓
OTHER (Use Back)					
Preserv. Yes/No	A	B	C	D	E

mples By: _____ Signed: _____ Date/Time: _____

CUSTODY TRANSFERRED:

Name: Cross Signed: [Signature] Date/Time: 8/5/88 0930

628 Route 10 • Whippany, New Jersey 07981 • (201) 428-8181

YWC, INC. • 200 Monroe Turnpike • Monroe, Connecticut 06468 • (203) 261-4458

CHAIN OF CUSTODY

7088210



PURCHASE ORDER # _____

Client: GIM Project: _____ Date/Time: _____
 Deliverables: _____ Normal/4 Wks. _____ 3Wks. _____ 2Wks. _____ RUSH 1WK. _____ Other _____
 Report Format: _____ Normal _____ Tier II _____ Tier I _____ CLP _____
 Report To: _____ Billed To: _____
 (If Different) _____

20880-6660

# of Containers	A	B	C	D	E
Sample #	006	007	008		
Sample I.D.	SW-1	REP-1	FB		
Matrix	eq	eq	eq		
PARAMETERS					
129 + 40					
P.P. Organics					
Vol. Organics	✓	✓	✓*		
V.O. + 15					
BaseNeu/ A.E.					
B.N./A.E. +25					
Base Neu.					
B.N. +15					
Acid Extract.					
A.E. +10					
P.A.H.					
Pest./PCB's					
PCB's					
P.P. Metals					
Cyanide					
Phenol					
Petro. Hydro.	✓	✓	✓		
RCRA Explain					
Cu, Cr, Ni	✓	✓	✓		
OTHER (Use Back)			* Air Bubbles in bottles		
Preserv. Yes/No	A	B	C	D	E

mples By: _____ Signed: _____ Date/Time: _____

CUSTODY TRANSFERRED:

Name: Oliver Signed: Oliver Date/Time: 8/5/85 0930

628 Route 10 • Whippany, New Jersey 07981 • (201) 428-8181

YWC, INC. • 200 Monroe Turnpike, • Monroe, Connecticut 06468 • (203) 261-4458

laboratories
Division of Y.W.C., Inc.

LABORATORY SERVICES REQUEST

RUSH
Data Summ. - Due 8/10

Client: Geraghty & Miller Job No. 20880-666

Logged by: Cross

Quote: \$

Received by: Cross Date: 8/5/88

Sample Identification	Parameters to be Determined
666001 Gm-1s	PP VOA's, PHE, Cu, Cr, Ni
-002 Gm-1D	↓
-003 Gm-2	
-004 Gm-3	
-005 Gm-4	
-006 Sw-1	
-007 REP-1	
-008 FB	* PP VOA's

Special Instructions:

001-008 eq

* Air bubbles in both vials

Sample Disposition

000011



- | | |
|---------------------|---|
| 1. Custody Seal | present/ absent
intact/ not intact |
| 2. Chain-of-Custody | present /absent |
| 3. Sample Tags | (present) /absent
(listed) /not listed on chain of custody |
| 4. Shipping Bill | present /absent No. 8957522 534 |

[illegible]

EMARKS:

1000

APPENDIX H

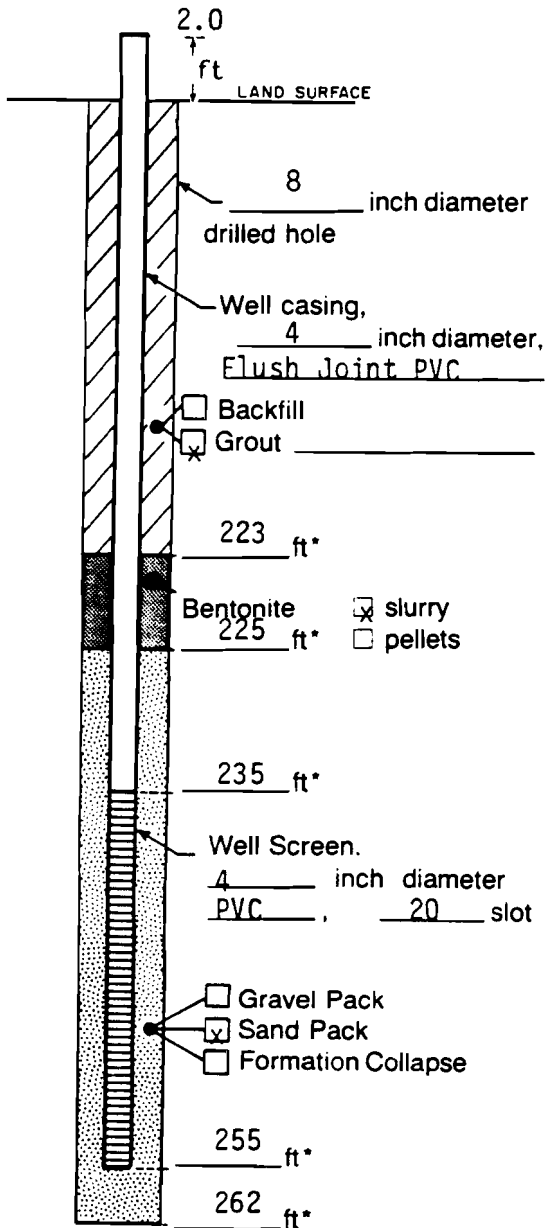
GERAGHTY & MILLER 1989

APPENDIX H1

G&M 1989 WELL CONSTRUCTION LOGS

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-1M
Town/City Lake Success
County Nassau State New York
Permit No. _____
Land-Surface Elevation _____ feet ☐ Surveyed ☐ Estimated
Installation Date(s) April 10, 1989
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling, Inc.
Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)
May 30, 31, 1989 jetting and pumping with submersible pump.

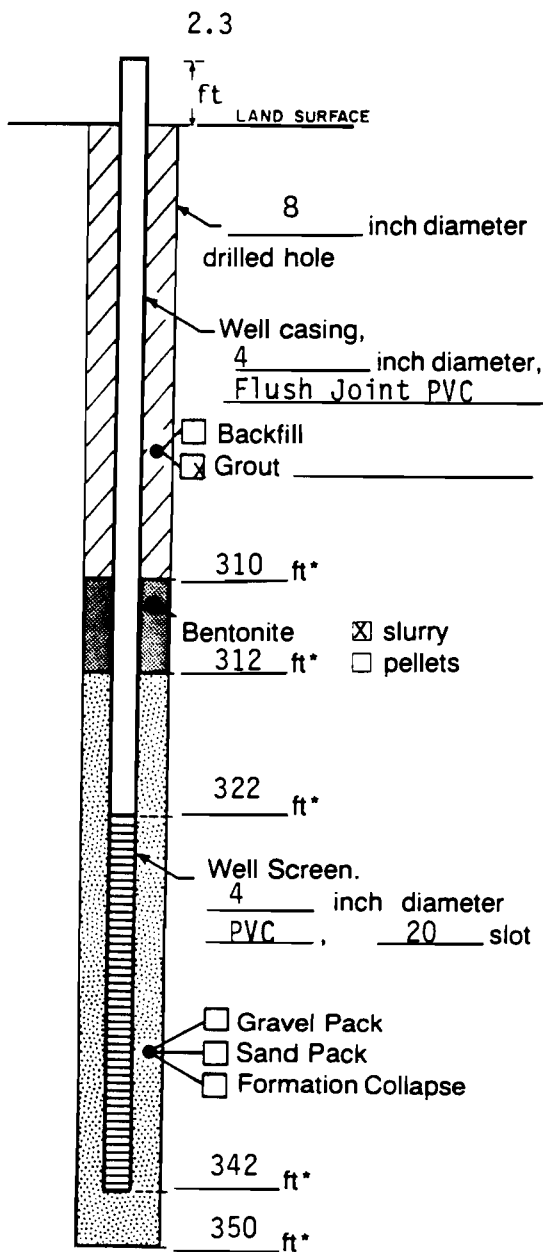
Fluid Loss During Drilling _____ gallon
Water Removed During Development approximately 800 gallon
Static Depth to Water 105.6 feet below M.F
Pumping Depth to Water 175 feet below M.P
Pumping Duration 2 hours
Yield 7-8 gpm Date 5/31/89
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks Finished with locking, protective standpip (Master 2402).

Prepared by Rich Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

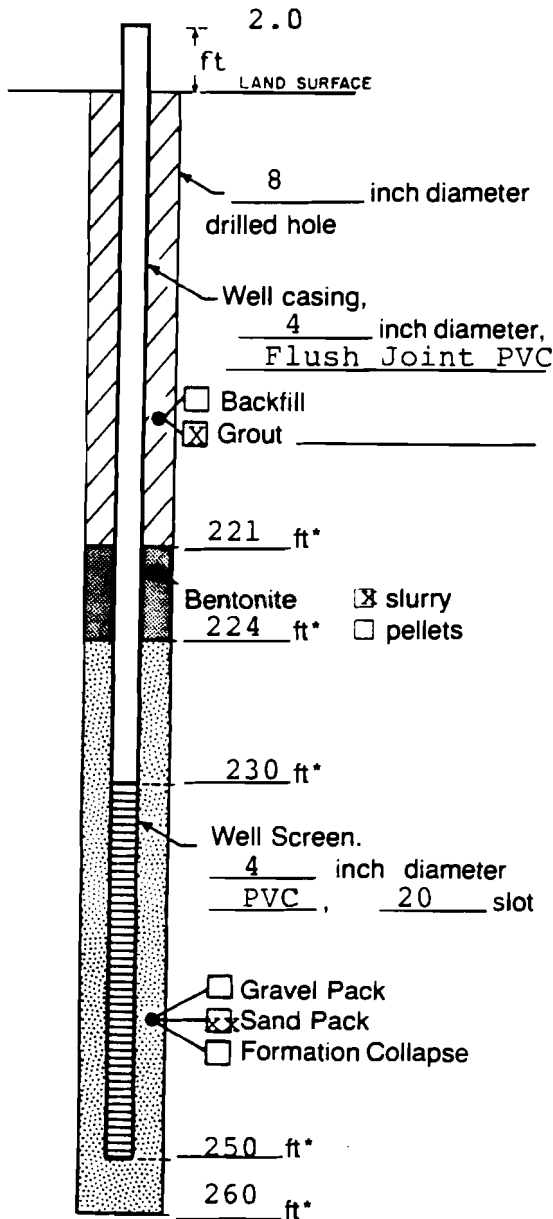
Project NY1230GN10 Well GM-1MD
Town/City Lake Success
County Nassau State New York
Permit No. _____
Land-Surface Elevation _____ feet ☐ Surveyed
and Datum _____ ☐ Estimated
Installation Date(s) May 19, 1989
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling, Inc.
Drilling Fluid Bentonite Slurry
Development Technique(s) and Date(s)
May 31, 1989, June 1, 6, 19, 20, 21, purged, surged,
phosphate and pumped with submersible pump.
Fluid Loss During Drilling _____ gallon
Water Removed During Development N/A gallon
Static Depth to Water approximately 105 feet below M.F.
Pumping Depth to Water 330 feet below M.F.
Pumping Duration N/A hours
Yield 1-2 gpm Date 6/21/89
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks Finished with locking protective standpipe
(Master #2402).

Prepared by Rich Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

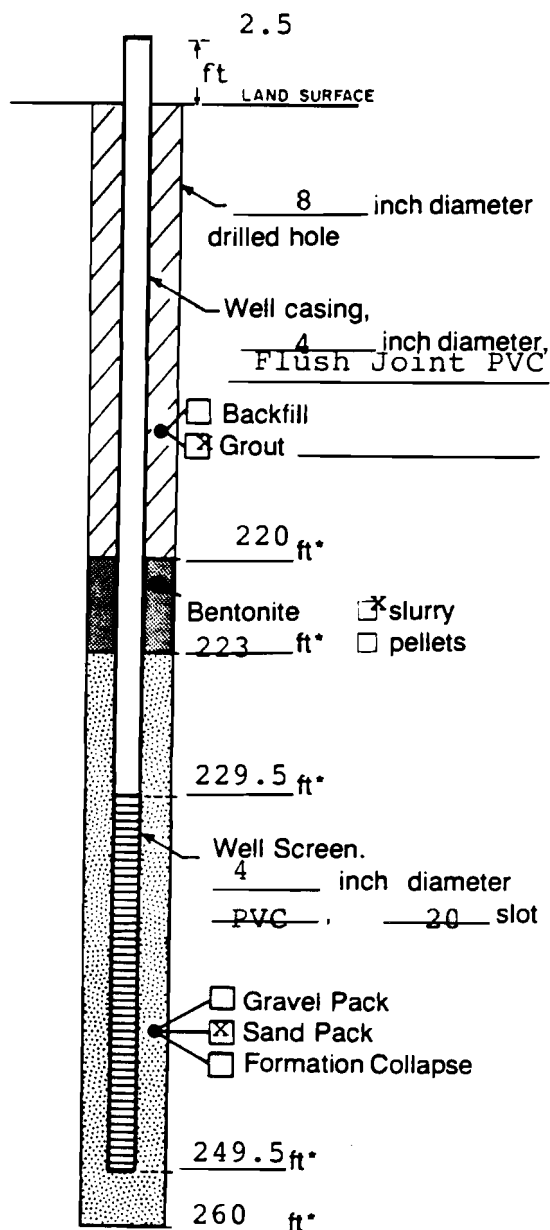
Project NY1230GN10 Well GM-2M
Town/City Great Neck
County Nassau State New York
Permit No. _____
Land-Surface Elevation _____
and Datum _____ feet ☐ Surveyed
☐ Estimated
Installation Date(s) March 13, 14
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling Inc.
Drilling Fluid Bentonite Slurry
Development Technique(s) and Date(s)
Submersible pump (Q = 5 gpm)
April 11, 1989
Fluid Loss During Drilling _____ gallon
Water Removed During Development 1000 gallon
Static Depth to Water 86.6 feet below M.F.
Pumping Depth to Water 225 feet below M.F.
Pumping Duration 4 hours
Yield 4-5 gpm Date 4-11-89
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks Finished with protective locking
standpipe (master # 2402)

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-4M

Town/City Lake Success

County Nassau State New York

Permit No. _____

Land-Surface Elevation _____

and Datum _____ feet ☐ Surveyed

☐ Estimated

Installation Date(s) March 23, 1989

Drilling Method Mud Rotary

Drilling Contractor Environmental Drilling Inc.

Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)

May 30, 1989 Jetted and pumped with

submersible pump

Fluid Loss During Drilling _____ gallon

Water Removed During Development 650 gallon

Static Depth to Water 108.5 feet below M.F.

Pumping Depth to Water 240 feet below M.F.

Pumping Duration 4½ hours

Yield 1-2 gpm Date 5/30/89

Specific Capacity _____ gpm/ft

Well Purpose Monitoring Well

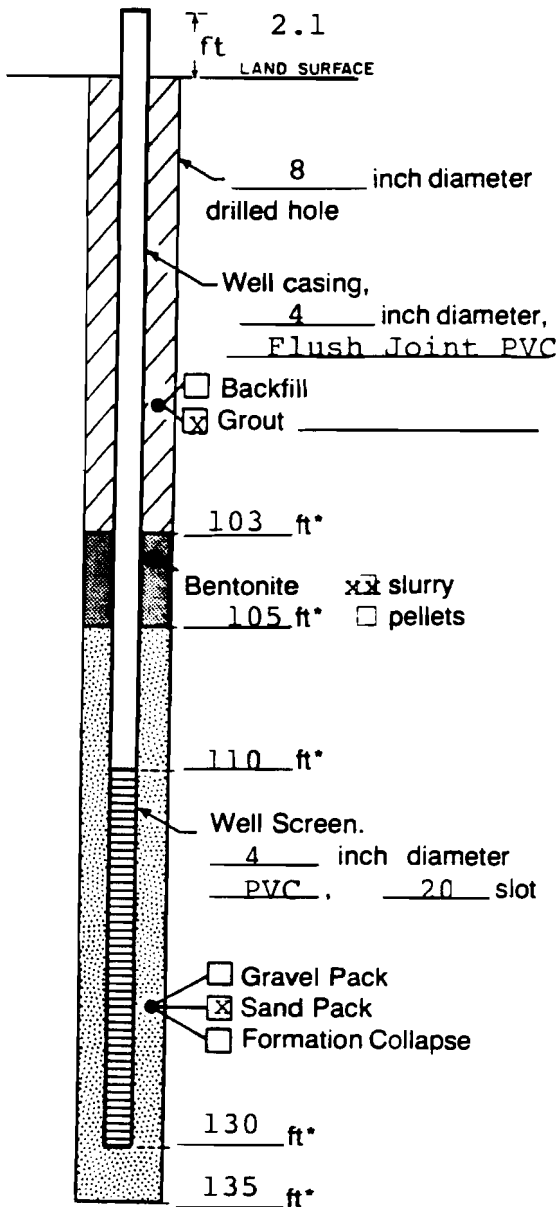
Remarks Finished with locking protective

standpipe (master #2402)

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-5
Town/City Lake Success
County Nassau State New York
Permit No. _____
Land-Surface Elevation _____
and Datum _____ feet ☐ Surveyed
_____ ☐ Estimated
Installation Date(s) February 15, 1989
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling Inc.
Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)
Developed with submersible pump for
1 1/2 hours (7.5 gpm) on March 6, 1989

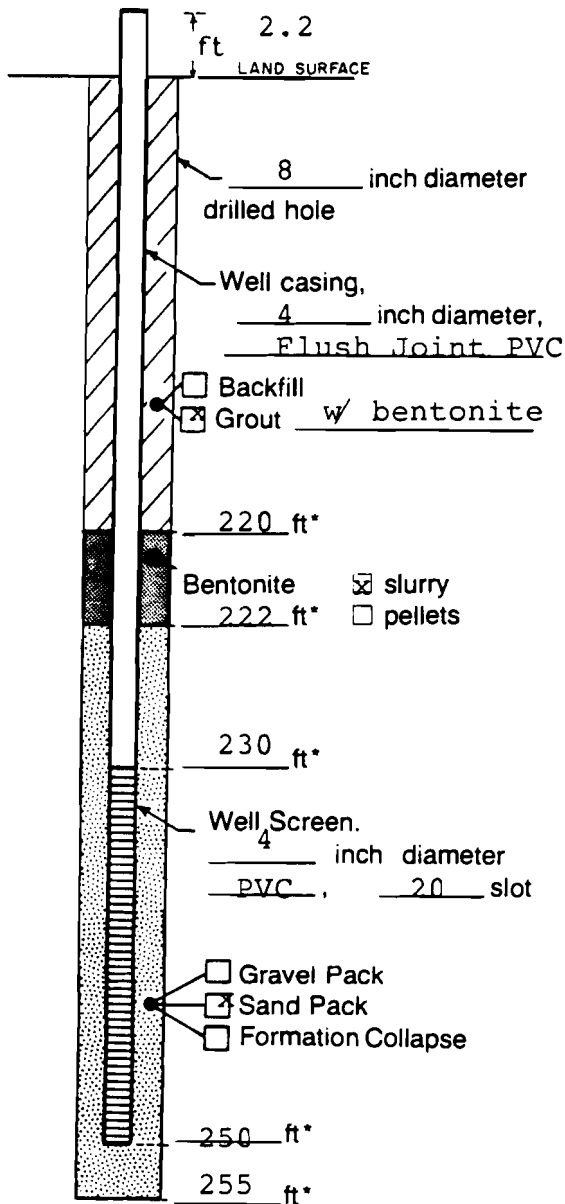
Fluid Loss During Drilling _____ gallon
Water Removed During Development approximately 500 gallon
Static Depth to Water 89.8 feet below M.F.
Pumping Depth to Water 100 feet below M.F.
Pumping Duration 1-1/2 hours
Yield 6-7 gpm Date 5/6/89
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks Finished with locking protective standpipe
(Master #2402).

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-5M
Town/City Lake Success
County Nassau State New York
Permit No. _____
Land-Surface Elevation _____
and Datum _____ feet ☐ Surveyed
☐ Estimated
Installation Date(s) 2-10-89, 2-13-89
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling Inc.
Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)
Developed with submersible pump March 30,
and April 3, 1989. Removed approximately
600 gallons.

Fluid Loss During Drilling _____ gallon
Water Removed During Development approximately 600 gallon
Static Depth to Water 90.5 feet below M.F.
Pumping Depth to Water 200 feet below M.F.
Pumping Duration 6 hours
Yield 2 gpm Date 4/3/89

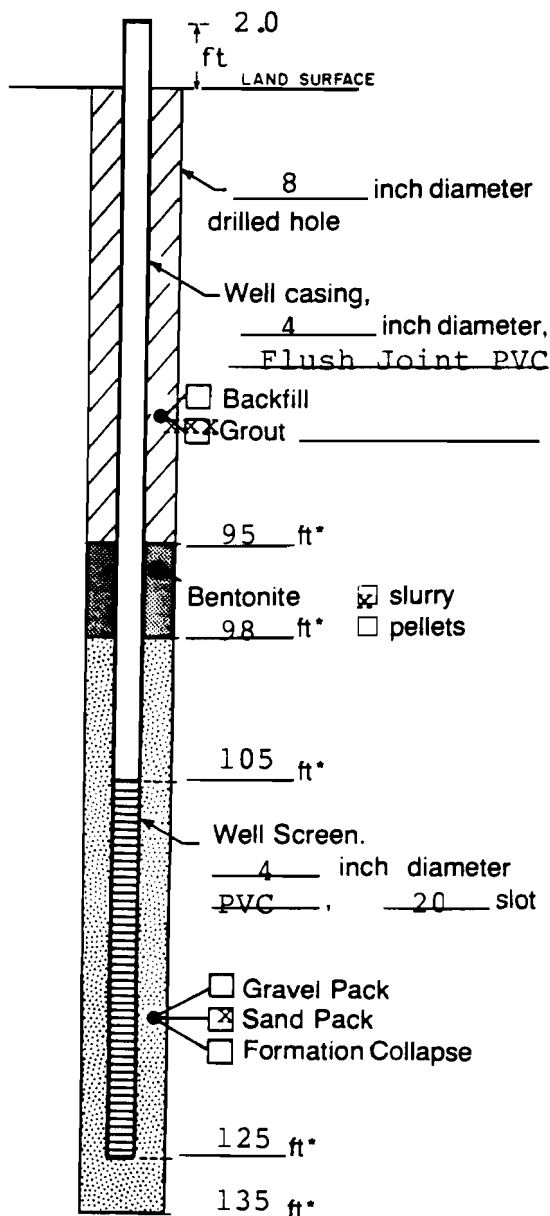
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks Finished with locking protecting
standpipe (master #2402)

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-6

Town/City Lake Success

County Nassau State New York

Permit No. _____

Land-Surface Elevation

and Datum _____ feet

☐ Surveyed

☐ Estimated

Installation Date(s) 2-23-89/2-24-89

Drilling Method Mud Rotary

Drilling Contractor Environmental Drilling Inc.

Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)

Developed with submersible pump for
1½ hours (7.5 gpm) on March 6, 1989.

Fluid Loss During Drilling _____ gallon

Water Removed During Development approximately 600 gallon

Static Depth to Water 88.1 feet below M.

Pumping Depth to Water 120 feet below M.

Pumping Duration 1½ hours

Yield 7 - 8 gpm

Date 5/6/89

Specific Capacity _____ gpm/ft

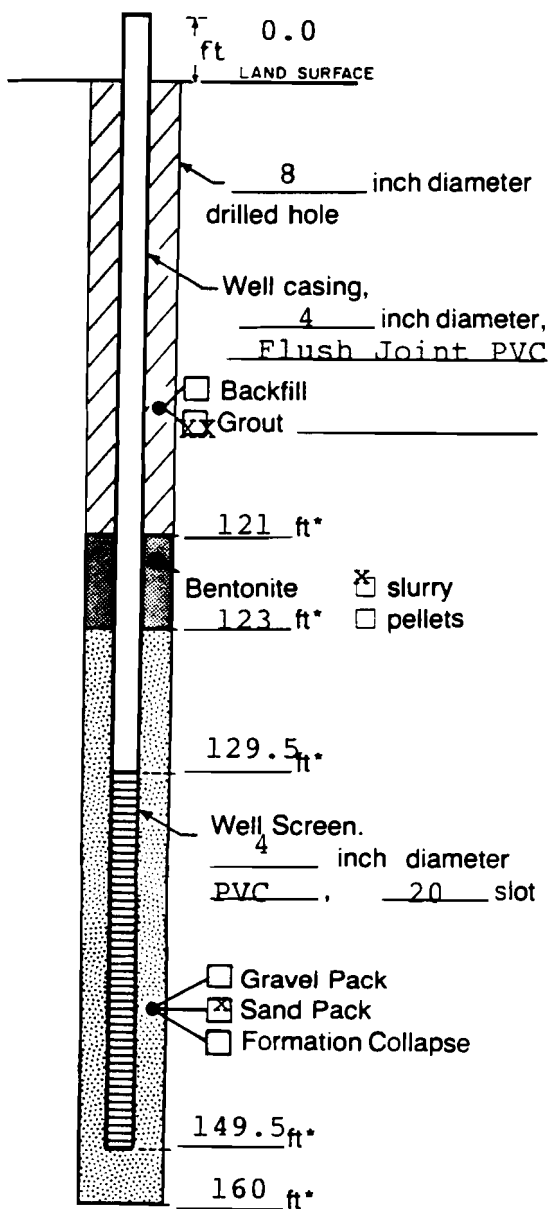
Well Purpose Monitoring Well

Remarks Finished with locking protective standpipe
(Master #2402).

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-7

Town/City Lake Success

County Nassau State New York

Permit No. _____

Land-Surface Elevation

and Datum _____ feet

☐ Surveyed

☐ Estimated

Installation Date(s) 3-28-89

Drilling Method Mud Rotary

Drilling Contractor Environmental Drilling Inc.

Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)

Jetting and Submersible pump (Q 3-4 gpm)

Fluid Loss During Drilling _____ gallon

Water Removed During Development 500 gallon

Static Depth to Water 113.7 feet below M.F.

Pumping Depth to Water 140 feet below M.F.

Pumping Duration 3-1/2 hours

Yield 2-3 gpm

Date _____

Specific Capacity _____ gpm/ft

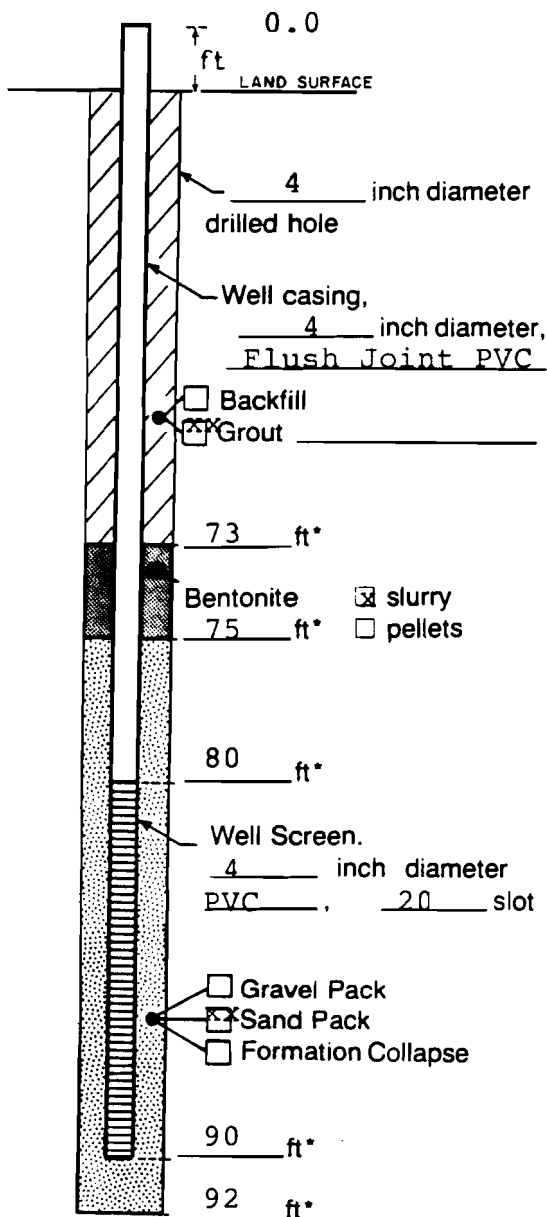
Well Purpose Monitoring Well

Remarks Finished with self draining flush mounted protective cover (master lock #2402)

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-8S
Town/City Lake Success
County Nassau State New York
Permit No. _____
Land-Surface Elevation _____
and Datum _____ feet ☐ Surveyed
_____ ☐ Estimated
Installation Date(s) April 19, 1989
Drilling Method Mud Rotary
Drilling Contractor Environmental Drilling Inc.
Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)
May 17, 1989 Submersible pump

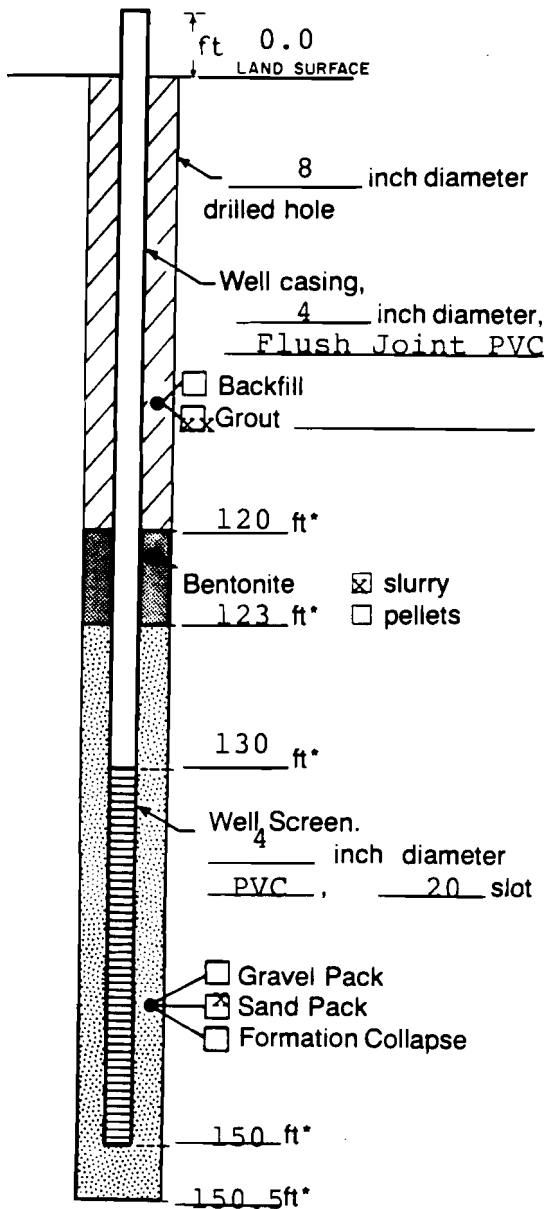
Fluid Loss During Drilling _____ gallons
Water Removed During Development 500 gallons
Static Depth to Water 77.6 feet below M.
Pumping Depth to Water 85 feet below M.
Pumping Duration 4-1/2 hours
Yield 3-4 gpm Date 5/17/89
Specific Capacity _____ gpm/ft
Well Purpose Monitoring Well

Remarks Finished with self draining curb
box (locking cap master #2402)

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-8

Town/City Lake Success

County Nassau State

Permit No.

Land-Surface Elevation
and Datum feet ☐ Surveyed
☐ Estimated

Installation Date(s) April 13, 1989

Drilling Method Mud Rotary

Drilling Contractor Environmental Drilling Inc.

Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)
May 23, 24
Jetting and submersible pump.

Fluid Loss During Drilling gallon

Water Removed During Development 400-500 gallon

Static Depth to Water 80.0 feet below M.F.

Pumping Depth to Water 145 feet below M.F.

Pumping Duration 4-1/2 hours

Yield 2 gpm Date 5/24/89

Specific Capacity gpm/ft

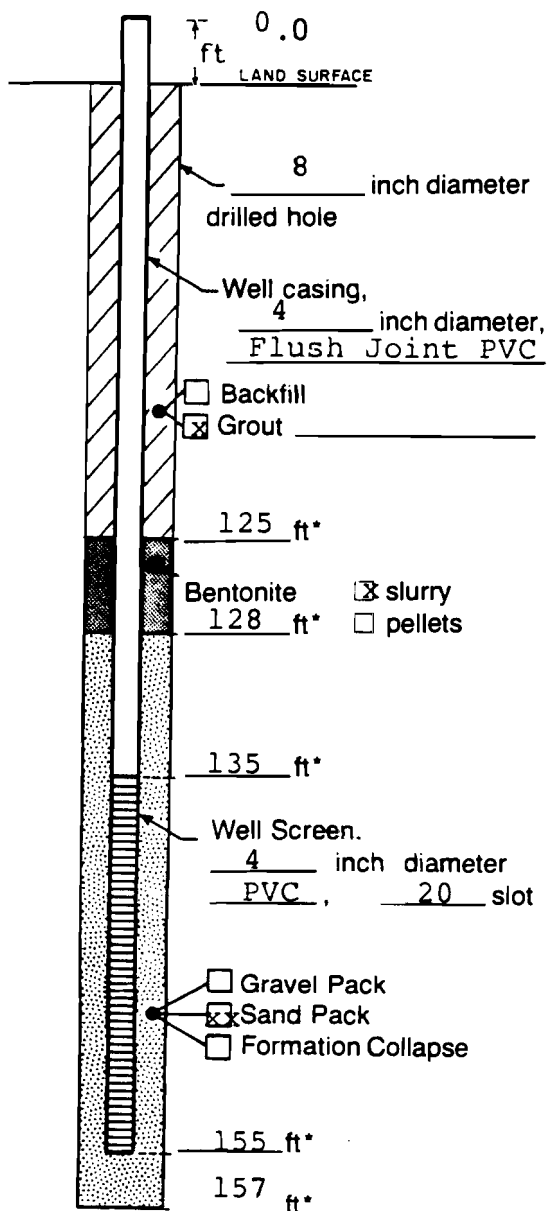
Well Purpose Monitoring Well

Remarks Finsihed with Flush Mounted self
draining curb box (master lock
#2402)

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-9

Town/City Lake Success

County Nassau State New York

Permit No. _____

Land-Surface Elevation

and Datum _____ feet

☐ Surveyed

☐ Estimated

Installation Date(s) April 17, 1989

Drilling Method Mud Rotary

Drilling Contractor Environmental Drilling Inc.

Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)

May 23 and 24 by jetting and submersible
pump (Q 3-4 gpm)

Fluid Loss During Drilling _____ gallon

Water Removed During Development approximately 400 gallon

Static Depth to Water 85.4 feet below M.I

Pumping Depth to Water 150 feet below M.I

Pumping Duration 4 hours

Yield 2-3 gpm

Date 5/24/89

Specific Capacity _____ gpm/ft

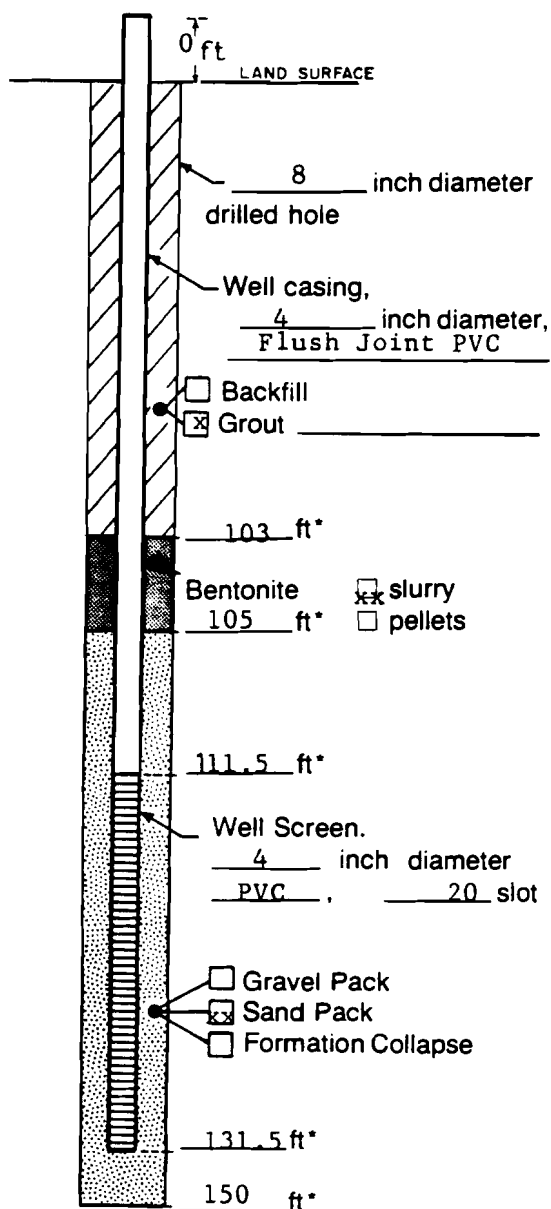
Well Purpose Monitoring Well

Remarks Finished with flush mounted self
draining curb box (master #2402)

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-10

Town/City Lake Success

County Nassau State New York

Permit No. _____

Land-Surface Elevation _____

and Datum _____ feet ☐ Surveyed

☐ Estimated

Installation Date(s) April 24, 1989

Drilling Method Mud Rotary

Drilling Contractor Environmental Drilling Inc.

Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)

Jetting and pumped with submersible pump

(Q = 10 - 12 gpm) May 25, 1989

Fluid Loss During Drilling _____ gallon

Water Removed During Development 600 gallon

Static Depth to Water 86.4 feet below M.F

Pumping Depth to Water 130 feet below M.F

Pumping Duration 1-1/4 hours

Yield 10-12 gpm Date 5/25/89

Specific Capacity _____ gpm/ft

Well Purpose Monitoring Well

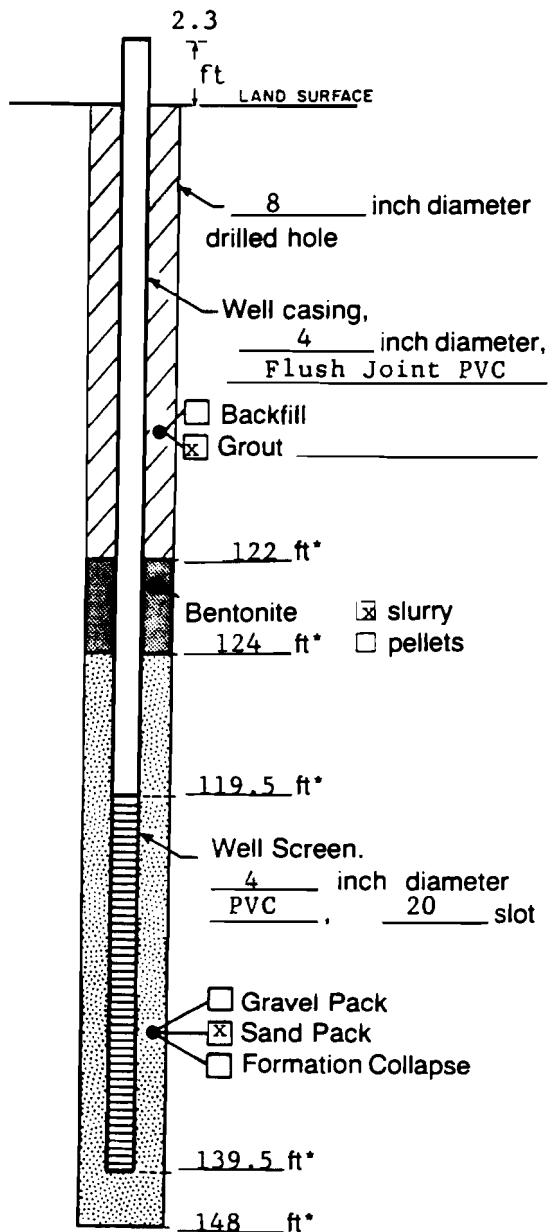
Remarks Finished with flush mounted curd. box

(Master Lock #2402)

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-11

Town/City Lake Success

County Nassau State New York

Permit No. _____

Land-Surface Elevation

and Datum _____ feet ☐ Surveyed

☐ Estimated

Installation Date(s) May 3, 1989

Drilling Method Mud Rotary

Drilling Contractor Environmental Drilling Inc.

Drilling Fluid Bentonite Slurry

Development Technique(s) and Date(s)

Jetting and pumping with submersible pump

(May 26, 1989)

Fluid Loss During Drilling _____ gallon

Water Removed During Development approximately 400 gallon

Static Depth to Water 88.4 feet below M.I.

Pumping Depth to Water 140 feet below M.I.

Pumping Duration 2 1/2 hours

Yield 1-2 gpm

Date 5/26/89

Specific Capacity _____ gpm/ft

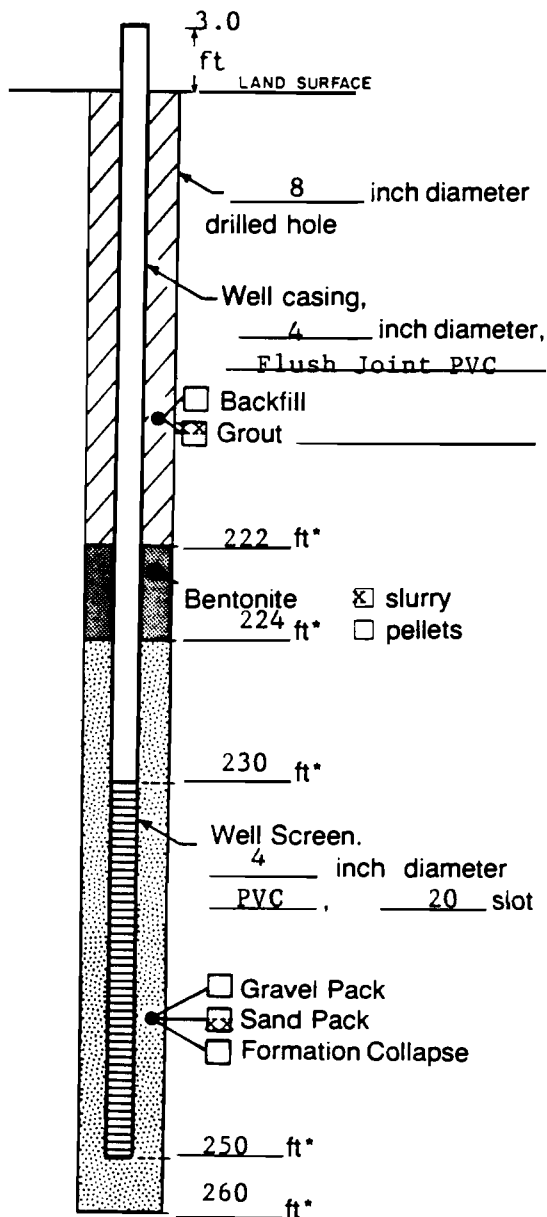
Well Purpose Monitoring Well

Remarks Finished with locking protective stand pipe
(Master #2402)

Prepared by R. Eby

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project NY1230GN10 Well GM-11M

Town/City Lake Success

County Nassau State New York

Permit No. _____

Land-Surface Elevation

and Datum _____ feet

☐ Surveyed

☐ Estimated

Installation Date(s) May 1, 1989

Drilling Method Mud Rotary

Drilling Contractor Environmental Drilling Inc.

Drilling Fluid Bentonite slurry

Development Technique(s) and Date(s)

May 31, 1989, June 1, 2, 5, jetting with water,
trisodium phosphate and pumping with submersible pump

Fluid Loss During Drilling _____ gallon

Water Removed During Development approximately 600 gallon

Static Depth to Water 89.2 feet below M.F

Pumping Depth to Water 245 feet below M.F

Pumping Duration 10-12 hours

Yield less than 1 gpm

Date 6/5/89

Specific Capacity _____ gpm/ft

Well Purpose Monitoring Well

Remarks Finished with locking protective standpipe
(Master #2402)

Prepared by R. Eby

APPENDIX H2

G&M 1989 GROUND WATER CHEMISTRY



REPORT TRANSMITTAL

REPORT NUMBER 30890-1065/1065A
DATE July 11, 1989

CLIENT Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803

ATTENTION Ms. Laine Vignona

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

July 11, 1989

30890-1065/1065A
GERAGHTY & MILLER, INC.
125 East Bethpage Road
Plainview, New York 11803

Re: Great Neck
#NY12306N10

Attention: Ms. Laine Vignona

PURPOSE

Nineteen (19) samples, one field blank and one trip blank were submitted to York Laboratories Division of YWC, Inc. for analysis. The client requested the samples be analyzed for the parameters listed in Table 1.0.

METHODOLOGY

Volatile organics were determined using purge and trap GC/MS. The instrumentation used was a Tekmar Dynamic Headspace Concentrator interfaced with a Hewlett-Packard Model 5995C GC/MS/DS.

Semi-volatile organics were determined using capillary GC/MS. The instrumentation used was a Hewlett-Packard Model 5890 gas chromatograph interfaced with a Model 5970 Mass Selective Detector.

Pesticides and polychlorinated biphenyls (PCB's) were determined using GC/ECD. The instrumentation used was a Perkin Elmer Model Sigma 3 gas chromatograph equipped with an electron capture detector (Ni⁶³).

Metals were determined by ICP using either a JA61 simultaneous ICAP or a PE 6500XR sequential ICP. Graphite furnace elements were determined using either a PE Zeeman 5100 or PE Zeeman 3030 GFAAS. Mercury was determined by the cold vapor technique utilizing the Spectro Products Model HG-4 mercury analyzer.

Cyanide was determined colorimetrically after preliminary distillation.

All analyses were conducted according to NYSDEC Contract Laboratory Program Protocols, November 1987.

DISCUSSION

The client requested that sample GM-2 be used for QC purposes.

Volatiles - Sample GM-1S has 1,2-Dichloroethene (total) reported at 4400 ug/L. The concentration is 20 ug/L over the upper initial calibration concentration.

(after dilution) and resulted in an "E" flag being reported for this compound. The sample was not reanalyzed at a higher dilution since this amount is only 10% over the 200 ug/L upper curve limit, therefore linearity still exists up to this concentration.

Pesticides/PCB's - 4,4-DDT RSD was greater than 10% on 6/22/89 on Col. 1. Any 4,4'-DDT calculations were performed off of Col. 2 which was within acceptable criteria. Due to the failure of the data station the analyst was unable to obtain the area report for PBLK 42 on 6/27/89 on Col. 2. The blank was rerun and the area report is submitted.

The following standards were not within QC acceptance criteria. After each listed standard either the run was stopped or the samples run after the affected standard were reanalyzed.

<u>Date</u>	<u>Time</u>	<u>GC</u>	<u>Std.</u>	<u>Comments</u>
6/23/89	16:18	4A	IndA	C _f >15% Difference
6/28/89	19:04	2	IndA	C _f >20% Difference
6/30/89	04:54	2	AR1248	Comp. outside of RT Windows

Metals - IEC's have recently been updated on the JA61 ICAP. However, the ICSA is utilized as a monitoring device to indicated any minor adjustments that are necessary. Any such modifications are calculated and applied manually. They are noted in the raw data.

Samples GM-3, GM-9 and GM-12 were redigested for thallium since the LCSW for thallium was not within the control limits.

Four asterisks, "*" resulted during duplicate analysis of sample (GM-2). The four elements out of the control limit parameters were chromium, iron, manganese and nickel. It is difficult to ascertain why these elements were out of control limit parameters since all other analyses recovered within the limits. There seems to be no obvious reason for this discrepancy.

RESULTS

The results are presented in the following Tables. Also enclosed are the organic and inorganic data packages containing all relevant QA/QC and raw data.

Prepared by: John R. Gale For
Jeffrey C. Curran
Laboratory Manager

JCC/tma

The liability of YWC, Inc. is limited to the actual dollar value of this project.

TABLE 1.0
30890-1065/1065A
GERAGHTY & MILLER
ANALYTICAL REQUESTS

Sample Identification

GM-2; GM-2M; FB#1; GM-10;
GM-11; GM-11M; GM-1S; GM-
1D; GM-3; GM-9; GM-12

GM-5; GM-5M; GM-6; TB#1;
GM-4; GM-4M; GM-7; GM-1M;
GM-8; GM-8S

Requested Parameters

Full TCL list analysis*

TCL volatile organics*

*plus a library search for non-target compounds

30890-1065/1065A
GERAGHTY & MILLER
GREAT NECK
#NY12306N10

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>
1065001	GM-2	6/8/89	6/9/89
1065002	GM-2M	6/8/89	6/9/89
1065003	FB#1	6/8/89	6/9/89
1065004	GM-5	6/8/89	6/9/89
1065005	GM-5M	6/8/89	6/9/89
1065006	GM-6	6/8/89	6/9/89
1065007	TB#1	6/8/89	6/9/89
1065008	GM-4	6/9/89	6/10/89
1065009	GM-4M	6/9/89	6/10/89
1065010	GM-7	6/9/89	6/10/89
1065011	GM-10	6/9/89	6/10/89
1065012	GM-11	6/9/89	6/10/89
1065013	GM-11M	6/9/89	6/10/89
1065014	GM-1S	6/10/89	6/12/89
1065015	GM-1D	6/10/89	6/12/89
1065016	GM-1M	6/10/89	6/12/89
1065017	GM-8	6/10/89	6/12/89
1065018	GM-8S	6/10/89	6/12/89
1065019	GM-3	6/12/89	6/13/89
1065020	GM-9	6/12/89	6/13/89
1065021	GM-12	6/12/89	6/13/89

T. 2.0
30890- 5/1065A
GERAGHTY & MILLER
EPA TCL VOLATILE ORGANICS
All values are ug/L.

Aqueous

Dilution Factor Method Blank I.D.	Sample Identification										Method Detection Limits with no Dilution
	1.0 >G9446 Method Blank	1.0 >G9446 TB#1	1.0 >G9446 FB#1	1.0 x >G9464 Method Blank	10.0 x >G9464 GM-2	10.0 x >G9464 2 MS	1.0 x >G9464 GM-2M	1.0 x >G9464 GM-5M	1.0 x >G9464 GM-6	1.0 x >G9464 GM-5	
Compound											
Chloromethane	U	U	U	U	U	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	U	U	U	U	U	10
Methylene Chloride	U	U	5	U	U	U	U	U	U	U	5
Acetone	15	U	U	U	U	U	U	U	U	U	10
Carbon Disulfide	U	U	U	U	U	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	U	400X	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	5
1,2-Dichloroethene (total)	U	U	U	U	1,000	790	89	110	U	U	5
Chloroform	U	U	U	U	U	U	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	5
2-Butanone	U	U	U	U	U	U	U	U	U	U	10
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	5
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	5
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	10
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	5
Trichloroethene	U	U	U	U	170	720X	70	59	U	U	5
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	5
Benzene	U	U	U	U	U	510X	U	8	U	U	5
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	5
Bromoform	U	U	U	U	U	U	U	U	U	U	5
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U	U	U	10
2-Hexanone	U	U	U	U	U	U	U	U	U	U	10
Tetrachloroethene	U	U	U	U	120	110	19	22	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	5
Toluene	U	U	U	U	U	500X	U	97	U	U	5
Chlorobenzene	U	U	U	U	U	500X	U	U	U	U	5
Ethylbenzene	U	U	U	U	U	U	U	26	U	U	5
Styrene	U	U	U	U	U	U	U	U	U	U	5
Xylene (total)	U	U	U	U	U	U	U	72	U	U	5

U, X - See Appendix for Definition.

Note: Sample Detection Limit = MDL x Dilution factor.

E 2.1
3089 55/1065A
GERAGHIY & MILLER
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.										
Sample Identification										
Dilution Factor	1.0	5.0	1.0	10.0	1.0	1.0	2.0	20.0	20.0	5.0
Method Blank I.D.	>G9464	>G9464	>G9480	>G9480	>G9480	>G9480	>G9480	>G9480	>G9480	>G9480
Compound	Method Blank ^x	GM-4M [✓]	Method Blank ^x	GM-2 MSD ^x	GM-4 [✓]	GM-7 [✓]	GM-11 [✓]	GM-1S [✓]	GM-1D [✓]	GM-11M [✓]
										Method Detection Limits with no Dilution
Chloromethane	U	U	U	U	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	U	U	U	U	10
Methylene Chloride	U	U	U	U	U	U	U	U	U	5
Acetone	U	U	U	75J	U	U	U	U	U	10
Carbon Disulfide	U	U	U	U	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	430X	U	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	5
1,2-Dichloroethene (total)	U	780	U	U	99	140	260	4,400E	2,200	660
Chloroform	U	U	U	U	U	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	5
2-Butanone	U	U	U	U	U	U	U	U	U	10
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	5
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	5
Vinyl Acetate	U	U	U	U	U	U	U	U	U	10
Bromodichloromethane	U	U	U	U	U	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	5
Trichloroethene	U	180	U	500X	56	66	57	210	150	150
Dibromochloromethane	U	U	U	U	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	5
Benzene	U	U	U	520X	U	U	U	U	U	5
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	5
Bromoform	U	U	U	U	U	U	U	U	U	5
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U	U	10
2-Hexanone	U	U	U	U	U	U	U	U	U	10
Tetrachloroethene	U	100	U	U	20	23	57	170	180	78
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	5
Toluene	U	U	U	500X	U	U	U	U	U	5
Chlorobenzene	U	U	U	520X	U	U	U	U	U	5
Ethylbenzene	U	U	U	U	U	U	U	U	U	5
Styrene	U	U	U	U	U	U	U	U	U	5
Xylene (total)	U	U	U	U	U	U	U	U	U	5

U, J, X, E - See Appendix for Definition.

Note: Sample Detection Limit = MDL x Dilution factor.

5.2.2
30890 35/1065A
GERAGHTY & MILLER
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.									
Sample Identification									
Dilution Factor	1.0	2.0	1.0	1.0	1.0	10.0	5.0	5.0	1.0
Method Blank I.D.	>G9499	>G9499	>G9516	>G9516	>G9516	>G9516	>G9516	>G9516	>G9516
Compound	Method Blank ^x	GM-10	Method Blank ^x	GM-9	GM-8S	GM-3	GM-1M	GM-8	GM-12
Chloromethane	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U
Vinyl Chloride	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U
Methylene Chloride	U	U	U	U	U	U	U	U	U
Acetone	U	U	U	U	U	U	U	U	U
Carbon Disulfide	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	U	86	U	85	55	1,400	680	910	82
Chloroform	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U
2-Butanone	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U
Trichloroethene	U	42	U	46	26	170	190	250	49
Dibromochloromethane	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U
Benzene	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U	U
2-Hexanone	U	U	U	U	U	U	U	U	U
Tetrachloroethene	U	220	U	29	15	140	96	160	31
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U
Toluene	U	U	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	U	U
Ethylbenzene	U	U	U	U	U	U	U	U	U
Styrene	U	U	U	U	U	U	U	U	U
Xylene (total)	U	U	U	U	U	U	U	U	U

TABLE 3.0
30890-1065/1065A
GERAGHTY & MILLER
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: Method Blank >G9446

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
None Detected			

Sample Identification: TB#1

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
74367332	Propanoic Acid, 2-methyl	24.14	41J
74367343	Propanoic Acid, 2-methyl-3	24.80	9J

Sample Identification: FB#1

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	Unknown Branched Alkane	7.32	6J

Sample Identification: Method Blank >G9464

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
None Detected			

Sample Identification: GM-2

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
None Detected			

Sample Identification: GM-2M

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	Unknown Branched Alkane	27.27	5J

TABLE 3.1
30890-1065/1065A
GERAGHTY & MILLER
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: GM-5M

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	Unknown	11.25	9J
	Unknown Alkyl Benzene	22.08	9J
	Unknown C9 Alkyl Benzene	22.21	10J
	Unknown C9 Alkyl Benzene	22.57	9J
	Unknown C9 Alkyl Benzene	23.55	10J
	Unknown C9 Alkyl Benzene	23.88	7J
	Unknown C10 Alkyl Benzene	24.60	8J

Sample Identification: GM-6

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	None Detected		

Sample Identification: GM-5

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	None Detected		

Sample Identification: GM-4M

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	Unknown Alkyl Benzene	26.70	39J
	Unknown Branched Alkane	27.26	30J

Sample Identification: Method Blank >G9480

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	None Detected		

Sample Identification: GM-4

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	None Detected		

J - See Appendix for Definition.

TABLE 3.2
30890-1065/1065A
GERAGHTY & MILLER
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: GM-7

CAS #	Compound	RT	Estimated Concentration, ug/L
None Detected			

Sample Identification: GM-11

CAS #	Compound	RT	Estimated Concentration, ug/L
None Detected			

Sample Identification: GM-1S

CAS #	Compound	RT	Estimated Concentration, ug/L
None Detected			

Sample Identification: GM-1D

CAS #	Compound	RT	Estimated Concentration, ug/L
None Detected			

Sample Identification: GM-11M

CAS #	Compound	RT	Estimated Concentration, ug/L
None Detected			

Sample Identification: Method Blank >G9499

CAS #	Compound	RT	Estimated Concentration, ug/L
None Detected			

Sample Identification: GM-10

CAS #	Compound	RT	Estimated Concentration, ug/L
None Detected			

TABLE 3.3
30890-1065/1065A
GERAGHTY & MILLER
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: Method Blank >G9516

CAS #	Compound	RT	Estimated Concentration, ug/L
	None Detected		

Sample Identification: GM-9

CAS #	Compound	RT	Estimated Concentration, ug/L
	None Detected		

Sample Identification: GM-8S

CAS #	Compound	RT	Estimated Concentration, ug/L
	None Detected		

Sample Identification: GM-3

CAS #	Compound	RT	Estimated Concentration, ug/L
	None Detected		

Sample Identification: GM-1M

CAS #	Compound	RT	Estimated Concentration, ug/L
	None Detected		

Sample Identification: GM-8

CAS #	Compound	RT	Estimated Concentration, ug/L
	Unknown Freon	5.39	32J
	Unknown Freon	5.82	43J

Sample Identification: GM-12

CAS #	Compound	RT	Estimated Concentration, ug/L
	None Detected		

TABLE 4.0
30890-1065/1065A
GERAGHTY & MILLER
EPA TCL SEMI-VOLATILE ORGANICS

Aqueous
Page 1 of 3

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.1</u>	<u>1.1</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	
<u>Compound</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>Method</u>
	<u>Method</u>	<u>GM-2</u>	<u>GM-2M</u>	<u>FB#1</u>	<u>GM-10</u>	<u>GM-11</u>	<u>GM-11M</u>	<u>GM-^x</u>	<u>GM-^x</u>	<u>Detection Limits</u>
	<u>Blank^x</u>							<u>2 MS</u>	<u>2 MSD</u>	<u>with no Dilution</u>
Phenol	U	U	U	U	U	U	U	51X	41X	10
bis(2-Chloroethyl)Ether	U	U	U	U	U	U	U	U	U	10
2-Chlorophenol	U	U	U	U	U	U	U	110X	92X	10
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	10
1,4-Dichlorobenzene	U	U	U	U	U	U	U	70X	69X	10
Benzyl Alcohol	U	U	U	U	U	U	U	U	U	10
1,2-Dichlorobenzene	U	U	U	U	1J	U	U	U	U	10
2-Methylphenol	U	U	U	U	U	U	U	U	U	10
bis(2-chloroisopropyl)ether	U	U	U	U	U	U	U	U	U	10
4-Methylphenol	U	U	U	U	U	U	U	U	U	10
N-Nitroso-Di-n-propylamine	U	U	U	U	U	U	U	76X	62X	10
Hexachloroethane	U	U	U	U	U	U	U	U	U	10
Nitrobenzene	U	U	U	U	U	U	U	U	U	10
Isophorone	U	U	U	U	U	U	U	U	U	10
2-Nitrophenol	U	U	U	U	U	U	U	U	U	10
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	U	10
Benzoic Acid	U	U	U	U	U	U	U	U	U	50
bis(-2-Chloroethoxy)Methane	U	U	U	U	U	U	U	U	U	10
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	U	10
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	73X	73X	10
Naphthalene	U	U	U	U	0.6J	U	U	U	U	10
4-Chloroaniline	U	U	U	U	U	U	U	U	U	10

U, J, B - See Appendix for definition.

Note: Sample Detection Limit = MDL x Dilution factor.

TABLE 4.U
30890-1065/1065A
GERAGHTY & MILLER
EPA TCL SEMI-VOLATILE ORGANICS

Aqueous
Page 2 of 3

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.1</u>	<u>1.1</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	
<u>Compound</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>Method</u>
	<u>Method</u>									<u>Detection Limits</u>
	<u>Blank^x</u>	<u>GM-2</u>	<u>GM-2M</u>	<u>FB#1</u>	<u>GM-10</u>	<u>GM-11</u>	<u>GM-11M</u>	<u>GM-2 MS^x</u>	<u>GM-2 MSD^x</u>	<u>with no Dilution</u>
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	10
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	110X	100X	10
2-Methylnaphthalene	U	U	U	U	U	U	U	U	U	10
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	U	10
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	U	10
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	U	50
2-Chloronaphthalene	U	U	U	U	U	U	U	U	U	10
2-Nitroaniline	U	U	U	U	U	U	U	U	U	50
Dimethyl Phthalate	U	U	U	U	U	U	U	U	U	10
Acenaphthylene	U	U	U	U	U	U	U	U	U	10
3-Nitroaniline	U	U	U	U	U	U	U	U	U	50
Acenaphthene	U	U	U	U	U	U	U	77X	83X	10
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	U	50
4-Nitrophenol	U	U	U	U	U	U	U	58X	60X	50
Dibenzofuran	U	U	U	U	U	U	U	U	U	10
2,4-Dinitrotoluene	U	U	U	U	U	U	U	64X	82X	10
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	U	10
Diethylphthalate	1J	U	0.4JB	U	U	0.4JB	0.3JB	0.5JB	U	10
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	U	U	10
Fluorene	U	U	U	U	U	U	U	U	U	10
4-Nitroaniline	U	U	U	U	U	U	U	U	U	50
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	U	50

U, J, B - See Appendix for definition.

Note: Sample Detection Limit = MDL x Dilution factor.

E 4.0
306 165/1065A
GERAGHY & MILLER
EPA TCL SEMI-VOLATILE ORGANICS

Aqueous
Page 3 of 4

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	
<u>Method Blank I.D.</u>	0612	0612	0612	0612	0612	0612	0612	0612	0612	
	-B02	-B02	-B02	-B02	-B02	-B02	-B02	-B02	-B02	
<u>Compound</u>	Method Blank ^x	GM-2	GM-2M	FB#1	GM-10	GM-11	GM-11M	GM- _x 2 MS	GM- _x 2 MSD	Method Detection Limits with no Dilution
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	U	10
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	U	10
Hexachlorobenzene	U	U	U	U	U	U	U	U	U	10
Pentachlorophenol	U	U	U	U	U	U	U	120X	120X	50
Phenanthrene	U	U	U	U	U	U	U	U	U	10
Anthracene	U	U	U	U	U	U	U	U	U	10
Di-n-Butylphthalate	U	0.5J	U	U	0.75	U	0.75	U	U	10
Fluoranthene	U	U	U	U	U	U	U	0.2J	U	10
Pyrene	U	U	U	U	U	U	U	92X	83X	10
Butylbenzylphthalate	U	U	U	U	U	U	U	U	U	10
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	U	20
Benzo(a)Anthracene	U	U	U	U	U	U	U	U	U	10
bis(2-Ethylhexyl)Phthalate	4J	12B	12B	3JB	9JB	8JB	9JB	10B	13B	10
Chrysene	U	U	U	U	U	U	U	U	U	10
Di-n-Octyl Phthalate	U	U	2J	U	0.6J	0.9J	2J	0.3J	U	10
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	U	10
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	U	10
Benzo(a)pyrene	U	U	U	U	U	U	U	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	U	U	10
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	U	10
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	U	10

U, J, B - See Appendix for definition.

Note: Sample Detection Limit = MDL x Dilution factor.

Sample Identification

Note: Sample Detection Limit = MDL x Dilution factor.

E 4.1
3085 165/1065A
GERAGHY & MILLER
EPA TCL SEMI-VOLATILE ORGANICS

Aqueol
Page 2 of

All values are ug/L.

Sample Identification

Dilution Factor

Method Blank I.D.

Compound

<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>
<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0614</u>	<u>0614</u>	<u>0614</u>	<u>0614</u>
<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B01</u>	<u>-B01</u>	<u>-B01</u>	<u>-B01</u>
<u>Method</u>			<u>Method</u>			
<u>Blank</u>	<u>GM-1S</u>	<u>GM-1D</u>	<u>Blank</u>	<u>GM-3</u>	<u>GM-9</u>	<u>GM-12</u>

Method
Detection Limits
with no Dilution

Hexachlorobutadiene	U	U	U	U	U	U	U	10
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	10
2-Methylnaphthalene	U	U	U	U	U	U	U	10
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	10
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	10
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	50
2-Chloronaphthalene	U	U	U	U	U	U	U	10
2-Nitroaniline	U	U	U	U	U	U	U	50
Dimethyl Phthalate	U	U	U	U	U	U	U	10
Acenaphthylene	U	U	U	U	U	U	U	10
3-Nitroaniline	U	U	U	U	U	U	U	50
Acenaphthene	U	U	U	U	U	U	U	10
2,4-Dinitrophenol	U	U	U	U	U	U	U	50
4-Nitrophenol	U	U	U	U	U	U	U	50
Dibenzofuran	U	U	U	U	U	U	U	10
2,4-Dinitrotoluene	U	U	U	U	U	U	U	10
2,6-Dinitrotoluene	U	U	U	U	U	U	U	10
Diethylphthalate	1J	0.6JB	U	1J	0.8JB	2JB	0.5JB	10
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	10
Fluorene	U	U	U	U	U	U	U	10
4-Nitroaniline	U	U	U	U	U	U	U	50
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	50

U, J, B - See Appendix for definition.

Note: Sample Detection Limit = MDL x Dilution factor.

E 4.1
3089L 65/1065A
GERAGHTY & MILLER
EPA TCL SEMI-VOLATILE ORGANICS

Aquec
Page 3 of

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0614</u>	<u>0614</u>	<u>0614</u>	
	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B01</u>	<u>-B01</u>	<u>-B01</u>	
<u>Compound</u>	<u>Method</u>	<u>GM-1S</u>	<u>GM-1D</u>	<u>Method</u>	<u>GM-3</u>	<u>GM-9</u>	<u>Method</u>
	<u>Blank^x</u>			<u>Blank^x</u>			<u>Detection Limits</u>
							<u>with no Dilution</u>
N-Nitrosodiphenylamine	U	U	U	U	U	U	10
4-Bromophenyl-phenylether	U	U	U	U	U	U	10
Hexachlorobenzene	U	U	U	U	U	U	10
Pentachlorophenol	U	U	U	U	U	U	50
Phenanthrene	U	U	U	U	U	U	10
Anthracene	U	U	U	U	U	U	10
Di-n-Butylphthalate	U	1J	1J	0.6J	U	0.8JB	10
Fluoranthene	U	U	U	U	U	U	10
Pyrene	U	U	U	U	U	U	10
Butylbenzylphthalate	U	U	0.2J	U	U	U	10
3,3'-Dichlorobenzidine	U	U	U	U	U	U	20
Benzo(a)Anthracene	U	U	U	U	U	U	10
bis(2-Ethylhexyl)Phthalate	4J	6JB	22B	3J	6JB	8JB	10
Chrysene	U	U	U	U	U	U	10
Di-n-Octyl Phthalate	U	U	U	U	U	0.2J	10
Benzo(b)fluoranthene	U	U	U	U	U	U	10
Benzo(k)fluoranthene	U	U	U	U	U	U	10
Benzo(a)pyrene	U	U	U	U	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	10
Dibenzo(a,h)anthracene	U	U	U	U	U	U	10
Benzo(g,h,i)perylene	U	U	U	U	U	U	10

U, J, B - See Appendix for definition.

Note: Sample Detection Limit = MDL x Dilution factor.

TABLE 5.0
30890-1065/1065A
GERAGHTY & MILLER
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: Method Blank 0612-B02

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	None Detected		

Sample Identification: GM-2

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	Unknown	30.74	45J

Sample Identification: GM-2M

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
96480	Butyrolactone	9.76	19J
	Unknown	30.87	93J

Sample Identification: FB#1

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	None Detected		

Sample Identification: GM-10

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	None Detected		

Sample Identification: GM-11M

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
	Unknown	27.00	11J
	Unknown	33.20	16J

J - See Appendix for Definition.

TABLE 5.1
30890-1065/1065A
GERAGHTY & MILLER
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: GM-11

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
96480	Butyrolactone	9.76	9J
	Unknown	27.00	10J

Sample Identification: GM-15

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
96480	Butyrolactone	9.74	8J
	Unknown	34.41	8J

Sample Identification: GM-1D

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
96480	Butyrolactone	9.73	32J
	Unknown Alkyl Benzene	26.97	5J
	Unknown	30.86	21J

Sample Identification: Method Blank 0614-B01

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
96480	Butyrolactone	9.77	9J

Sample Identification: GM-3

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
96480	Butyrolactone	9.73	16JB

Sample Identification: GM-9

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
96480	Butyrolactone	9.73	37JB
	Unknown	30.87	16J

J, B - See Appendix for Definition

TABLE 5.2
30890-1065/1065A
GERAGHTY & MILLER
SEMI-VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: GM-12

<u>CAS #</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
96480	Butyrolactone	9.72	33JB

J, B - See Appendix for Definition.

E 6.0
30. 065/1065A
GERAGHY & MILLER
EPA TCL PESTICIDES/PCB's

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	<u>0612</u>	
	<u>-B03</u>	<u>-B03</u>	<u>-B03</u>	<u>-B03</u>	<u>-B03</u>	<u>-B03</u>	<u>-B03</u>	<u>-B03</u>	<u>-B03</u>	<u>-B03</u>	<u>-B03</u>	<u>Method</u>
<u>Compound</u>	<u>Blank^x</u>	<u>GM-2</u>	<u>GM-2M</u>	<u>FB#1</u>	<u>GM-10</u>	<u>GM-11</u>	<u>GM-11M</u>	<u>GM-1D</u>	<u>GM-1S</u>	<u>GM-2 MS^x</u>	<u>GM-2 MSD^x</u>	<u>Detection Limits</u>
alpha BHC	U	U	U	U	U	U	U	U	U	U	U	0.05
beta BHC	U	U	U	U	U	U	U	U	U	U	U	0.05
delta BHC	U	U	U	U	U	U	U	U	U	U	U	0.05
gamma BHC	U	U	U	U	U	U	U	U	U	0.20X	0.21X	0.05
Heptachlor	U	U	U	U	U	U	U	U	U	0.23X	0.23X	0.05
Aldrin	U	U	U	U	U	U	U	U	U	0.30X	0.30X	0.05
Heptachlor epoxide	U	U	U	U	U	U	U	U	U	U	U	0.05
Endosulfan I	U	U	U	U	U	U	U	U	U	U	U	0.05
Dieldrin	U	U	U	U	U	U	U	U	U	0.49X	0.49X	0.10
4,4' DDE	U	U	U	U	U	U	U	U	U	U	U	0.10
Endrin	U	U	U	U	U	U	U	U	U	0.46X	0.45X	0.10
Endosulfan II	U	U	U	U	U	U	U	U	U	U	U	0.10
4,4' DDD	U	U	U	U	U	U	U	U	U	U	U	0.10
Endosulfan sulfate	U	U	U	U	U	U	U	U	U	U	U	0.10
4,4' DDT	U	U	U	U	U	U	U	U	U	0.36X	0.43X	0.10
Methoxychlor	U	U	U	U	U	U	U	U	U	U	U	0.50
Endrin Ketone	U	U	U	U	U	U	U	U	U	U	U	0.10
alpha chlordane	U	U	U	U	U	U	U	U	U	U	U	0.50
gamma chlordane	U	U	U	U	U	U	U	U	U	U	U	0.50
Toxaphene	U	U	U	U	U	U	U	U	U	U	U	1.0
Aroclor - 1016	U	U	U	U	U	U	U	U	U	U	U	0.50
Aroclor - 1221	U	U	U	U	U	U	U	U	U	U	U	0.50
Aroclor - 1232	U	U	U	U	U	U	U	U	U	U	U	0.50
Aroclor - 1242	U	U	U	U	U	U	U	U	U	U	U	0.50
Aroclor - 1248	U	U	U	U	U	U	U	U	U	U	U	0.50
Aroclor - 1254	U	U	U	U	U	U	U	U	U	U	U	1.0
Aroclor - 1260	U	U	U	U	U	U	U	U	U	U	U	1.0

U, J, B - See Appendix for definition.

Note: Sample Detection Limit = MDL x Dilution factor.

308. J65/1065A
GERAGHTY & MILLER
EPA TCL PESTICIDES/PCB's

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>0614</u>	<u>0614</u>	<u>0614</u>	<u>0614</u>	
	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	<u>-B02</u>	
<u>Compound</u>	<u>Method Blank X</u>	<u>GM-3</u>	<u>GM-9</u>	<u>GM-12</u>	<u>Method Detection Limits with no Dilution</u>
alpha BHC	U	U	U	U	0.05
beta BHC	U	U	U	U	0.05
delta BHC	U	U	U	U	0.05
gamma BHC	U	U	U	U	0.05
Heptachlor	U	U	U	U	0.05
Aldrin	U	U	U	U	0.05
Heptachlor epoxide	U	U	U	U	0.05
Endosulfan I	U	U	U	U	0.05
Dieldrin	U	U	U	U	0.10
4,4' DDE	U	U	U	U	0.10
Endrin	U	U	U	U	0.10
Endosulfan II	U	U	U	U	0.10
4,4' DDD	U	U	U	U	0.10
Endosulfan sulfate	U	U	U	U	0.10
4,4' DDT	U	U	U	U	0.10
Methoxychlor	U	U	U	U	0.50
Endrin Ketone	U	U	U	U	0.10
alpha chlordane	U	U	U	U	0.50
gamma chlordane	U	U	U	U	0.50
Toxaphene	U	U	U	U	1.0
Aroclor - 1016	U	U	U	U	0.50
Aroclor - 1221	U	U	U	U	0.50
Aroclor - 1232	U	U	U	U	0.50
Aroclor - 1242	U	U	U	U	0.50
Aroclor - 1248	U	U	U	U	0.50
Aroclor - 1254	U	U	U	U	1.0
Aroclor - 1260	U	U	U	U	1.0

U, J, B - See Appendix for definition.

Note: Sample Detection Limit = MDL x Dilution factor.

!

[illegible]

TABLE 7.1
30890-1065/1065A
GERAGHTY & MILLER
TAL METALS AND CYANIDE

<u>Parameter</u>	<u>GM-3</u>	<u>GM-9</u>	<u>GM-12</u>
Aluminum	94.0B	98.8B	106B
Antimony	16.9U	16.9U	16.9U
Arsenic	0.30B	0.30U	0.30B
Barium	74.7B	105B	114B
Beryllium	0.21B	0.26B	0.20U
Cadmium	1.7U	1.7U	1.7B
Calcium	30,800	21,500	21,300
Chromium	2.1U	2.1U	2.1U
Cobalt	8.4U	54.2	8.4U
Copper	4.9U	4.9U	4.9U
Iron	64.9U	66.2B	64.9U
Lead	0.60B	0.90B	1.0B
Magnesium	11,800	7,460	7,510
Manganese	123	459	456
Mercury	0.20U	0.20U	0.20U
Nickel	6.0U	6.0U	6.4B
Potassium	4,610B	3,610B	3,470B
Selenium	1.8B	1.6B	0.60B
Silver	2.1U	2.1U	2.1U
Sodium	38,100	34,200	34,900
Thallium	0.30U	0.40B	0.30U
Vanadium	5.9U	5.9U	5.9U
Zinc	21.0	33.2	36.7
Cyanide	10.0U	10.0U	10.0U

APPENDIX

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- X - Matrix spike compound.
- (1) - Cannot be separated from diphenylamine.
- (2) - Decomposes to azobenzene. Measured and calibrated as azobenzene.
- A - This flag indicates that a TIC is a suspected aldol condensation product.

APPENDIX/METALS DATA

C - Concentration qualifiers

U - Indicates analyte result less than instrument detection limit (IDL)

B - Indicates analyte result between IDL and contract required detection limit (CRDL)

Q - QC qualifiers

E - Reported value is estimated because of the presence of interference

M - Duplicate injection precision not met

N - Spiked sample recovery not within control limits

S - The reported value was determined by the method of standard additions (MSA)

W - Post-digest spike recovery furnace analysis was out of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance

* - Duplicate analysis not within control limit

+ - Correlation coefficient for MSA is less than 0.995

M - Method codes

P - ICP

A - Flame AA

F - Furnace AA

CV - Cold vapor AA (manual)

C - Cyanide

NR - Not Required



REPORT TRANSMITTAL

REPORT NUMBER 30890-1065B
DATE July 18, 1989

CLIENT Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803

ATTENTION Mr. Laine Vignona

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

200 MONROE TURNPIKE • MONROE, CONNECTICUT 06468 • (203) 261-4458

TELETYPE UNIT • 200 MONROE TURNPIKE • (203) 261-4458

TELEPHONE UNIT • 200 MONROE TURNPIKE • (203) 261-4458

July 18, 1989

30890-1065B
GERAGHTY & MILLER, INC.
125 East Bethpage Road
Plainview, New York 11803

Attention: Mr. Laine Vignona

PURPOSE

One sample was submitted to York Laboratories Division of YWC, Inc. by Geraghty & Miller, Inc. The client requested the sample be analyzed for TCL volatile organics plus a library search for non-target compounds.

METHODOLOGY

Volatile organics were determined using purge and trap GC/MS. The instrumentation used was a Tekmar Dynamic Headspace Concentrator interfaced with a Hewlett-Packard Model 5995C GC/MS/DS.

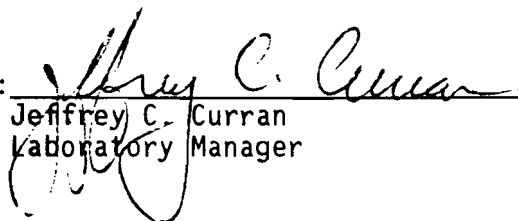
DISCUSSION

Volatile Organics - Sample GM-1MD was diluted 1:5 due to high levels of target compounds. Batch QC is included.

RESULTS

The results are presented in the following Tables. Also enclosed is the data package containing all relevant QA/QC and raw data.

Prepared by:


Jeffrey C. Curran
Laboratory Manager

JCC/md

The liability of YWC, Inc. is limited to the actual dollar value of this project.

30890-1065B
GERAGHTY & MILLER, INC.

Re: Great Neck (#NY1230GN10)

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>
1065022	GM-1MD	06/21/89	06/22/89

TABLE 1.0
30890-1065B
GERAGHTY & MILLER, INC.
EPA TCL VOLATILE COMPOUNDS

Aqueous

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>5.0</u>
<u>Method Blank I.D.</u>	<u>>G9805</u>	<u>>G9805</u>

<u>Compound</u>	<u>Method Blank</u>	<u>GM-1MD</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	10
Bromomethane	U	U	10
Vinyl Chloride	U	U	10
Chloroethane	U	U	10
Methylene Chloride	2J	9JB	5
acetone	14	63B	10
carbon disulfide	U	U	5
1,1-Dichloroethene	U	U	5
1,1-Dichloroethane	U	U	5
1,2-Dichloroethene (total)	U	710	5
Chloroform	U	U	5
1,2-Dichloroethane	U	U	5
2-Butanone	U	U	10
1,1,1-Trichloroethane	U	U	5
Carbon Tetrachloride	U	U	5
vinyl acetate	U	U	10
Bromodichloromethane	U	U	5
1,2-Dichloropropane	U	U	5
cis-1,3-Dichloropropene	U	U	5
Trichloroethene	U	240	5
Dibromochloromethane	U	U	5
1,1,2-Trichloroethane	U	U	5
Benzene	U	U	5
trans-1,3-Dichloropropene	U	U	5
Bromoform	U	U	5
4-methyl-2-pentanone	U	U	10
2-hexanone	U	U	10
Tetrachloroethene	U	57	5
1,1,2,2-Tetrachloroethane	U	U	5
Toluene	U	U	5
Chlorobenzene	U	U	5
Ethylbenzene	U	U	5
Styrene	U	U	5
Xylene (total)	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

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128 ROUTE 10 • WHIPPANY, NEW JERSEY 07981 • (201) 428-8131

100 WEST CENTER STREET • SPRINGFIELD, ILLINOIS 60195 • (312) 703-0740

TABLE 2.0
30890-1065B
GERAGHTY & MILLER, INC.
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: GM-1MD

<u>Compound</u>	<u>RT</u>	<u>Concentration, ug/L</u>
None detected		

APPENDIX

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- X - Matrix spike compound.
- (1) - Cannot be separated from diphenylamine.
- (2) - Decomposes to azobenzene. Measured and calibrated as azobenzene.
- A - This flag indicates that a TIC is a suspected aldol condensation product.
- E - Indicates that it exceeds calibration curve range.

—

—

—

THOMAS S. GULOTTA
COUNTY EXECUTIVE



NASSAU COUNTY
DEPARTMENT OF HEALTH
240 OLD COUNTRY ROAD, MINEOLA, N.Y. 11501-4250

JOHN J. DOWLING, M.D., M.P.H.
COMMISSIONER

STANLEY JUCZAK, P.E., M.C.E.
DIRECTOR
CENTER FOR ENVIRONMENTAL PROTECTION

August 25, 1989

Laine Vignona
Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, N.Y. 11803

Dear Ms. Vignona:

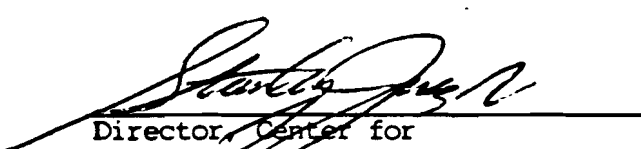
Enclosed please find laboratory analyses performed by the Nassau County Department of Health of groundwater samples from 19 monitoring wells located at the Unisys facility, Lake Success, New York.

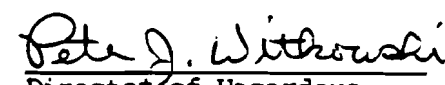
As previously agreed, please forward the results of your laboratory analyses, well elevations and depth to water measurements to this Department for the same 19 wells.

If you have any questions, please contact Mr. Stanley Juczak at 535-5046 or Mr. Peter Witkowski at 997-8282. Thank you for your cooperation.

Stanley Juczak, P.E., M.C.E.

Peter J. Witkowski


Director, Center for
Environmental Protection
Nassau County Dept. of Health


Director of Hazardous
Waste Services
Nassau County Dept. of Public Works

JLL:ds

Doc. I.D. #2411

HASSELL COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

Page 1 of 1

TRACE ORGANICS

Access Number: E90611
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL CM-15
Date Sampled: 06/10/89
Date of Report: 06/19/89

VOLATILE HALOGENATED:

	MFC (ug/l)	RESULT (ug/l)
TRICHLOROFLUOROMETHANE ----(WA01)-----	NA	NA
1,1-DICHLOROETHYLENE ----(WA15)-----	1	5
1,1,2-DICHLOROETHYLENE ----(WA16)-----	1	4
1,1-DICHLOROETHANE ----(WA04)-----	1	4
1,1,2-DICHLOROETHYLENE ----(WA17)-----	1	4500
CHLOROFORM ----(WA05)-----	20	20
1,1,1-TRICHLOROETHANE ----(WA06)-----	20	20
CARBON TETRACHLORIDE ----(WA07)-----	1	1
1,2-DICHLOROETHANE ----(WA18)-----	1	5
TRICHLOROETHYLENE ----(WA08)-----	1	370
1,2-DICHLOROPROPANE ----(WA09)-----	5	5
BROMOCHLOROMETHANE ----(WA09)-----	1	1
DIBROMOCHLOROMETHANE ----(WA10)-----	1	1
1,1,2-TRICHLOROETHANE ----(WA19)-----	1	2
TETRACHLOROETHYLENE ----(WA13)-----	1	200
BROMOFORM ----(WA14)-----	1	1
1,1,2,2-TETRACHLOROETHANE-(WA21)-----	1	1

VOLATILE AROMATICS

	MFC (ug/l)	RESULT (ug/l)
BENZENE ----(WC01)-----	0.5	0.5
METHYL ISOBUTYL KETONE ----(WC07)-----	1	1
TOLUENE ----(WC02)-----	1	1
CHLOROBENZENE ----(WC03)-----	1	1
ETHYLENE ----(WC04)-----	1	1
XYLENE (o,m,p) ----(WC05)-----	1	1
DICHLOROBENZENE (o,m,p) ----(WC06)-----	1	1

=====
MFC - MINIMUM REPORTABLE CONCENTRATION
NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPE: GIF - N/A WATER - ug/l SOIL - ng/g
=====

JUN 22 1988

JUN 26 1989

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRADE ORGANICS

Access Number: E90612
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL GM-10
Date Sampled: 06/10/89
Date of Report: 06/19/89

VOLATILE HALOGENATES:	MRC (ug/l)	RESULT (ug/l)
TRICHLOROFLUOROMETHANE -----(UA01)-----	NA	NA
1,1-DICHLOROETHYLENE ----(UA15)-----	1	9
1,1,2-DICHLOROETHYLENE ----(UA16)-----	1	2
1,1-DICHLOROETHANE -----(UA04)-----	1	3
1,1,2-DICHLOROETHYLENE ----(UA17)-----	1	3770
CHLOROFORM -----(UA05)-----	20	20
1,1,1-TRICHLOROETHANE -----(UA06)-----	20	20
CARBON TETRACHLORIDE -----(UA07)-----	1	1
1,2-DICHLOROETHANE -----(UA18)-----	1	2
TRICHLOROETHYLENE -----(UA08)-----	1	250
1,2-DICHLOROETHANE -----(UA20)-----	5	5
BROMODICHLOROETHANE -----(UA09)-----	1	1
DIBROMOCHLOROETHANE -----(UA10)-----	1	1
1,1,2-TRICHLOROETHANE -----(UA19)-----	1	1
TETRACHLOROETHYLENE -----(UA13)-----	1	250
BROMOFORM -----(UA14)-----	1	1
1,1,2,2-TETRACHLOROETHANE -----(UA21)-----	1	1

VOLATILE AROMATICS	MRC (ug/l)	RESULT (ug/l)
BENZENE -----(UC01)-----	0.5	0.5
METHYL ISOBUTYL KETONE ----(UC07)-----	1	1
TOLUENE -----(UC02)-----	1	1
CHLOROBENZENE -----(UC03)-----	1	1
ETHYLBENZENE -----(UC04)-----	1	1
XYLENE (o,m,p) -----(UC05)-----	1	1
DICHLOROBENZENE (o,m,p) ---(UC06)-----	1	1

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

FFB - AIR - ft/l WATER - ug/l SOIL - mg/kg

JUN 26 1989

JUN 22 1989

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 890602
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL GM-1M
Date Sampled: 06/10/89
Date of Report: 06/16/89

VOLATILE HALOGENATED:	MFC (ug/l)	RESULT (ug/l)
TRICHLOROFLUOROMETHANE -----(WA01)-----	NA	NA
1,1-DICHLOROETHYLENE ----(WA15)-----	1	8
1,2-DICHLOROETHYLENE ----(WA16)-----	1	1
1,1-DICHLOROETHANE ------(WA04)-----	1	1
1,2-DICHLOROETHYLENE ----(WA17)-----	1	250
CHLOROFORM ------(WA05)-----	1	1
1,1,1-TRICHLOROETHANE ----(WA08)-----	1	1
CARBON TETRACHLORIDE -----(WA07)-----	1	1
1,2-DICHLOROETHANE ------(WA18)-----	1	1
TRICHLOROETHYLENE ------(WA09)-----	1	250
1,2-DICHLOROPROPANE------(WA20)-----	5	5
BROMOCHLOROPOMETHANE -----(WA09)-----	1	1
DIBROMOCHLOROPOMETHANE -----(WA10)-----	1	1
1,1,2-TRICHLOROETHANE ----(WA19)-----	1	1
TETRACHLOROETHYLENE ------(WA13)-----	1	130
BROMOFORM ------(WA14)-----	1	1
1,1,2,2-TETRACHLOROETHANE-(WA21)-----	1	1

VOLATILE AROMATICS	MFC (ug/l)	RESULT (ug/l)
BENZENE -----(WC01)-----	0.5	0.5
METHYL ISOBUTYL KETONE ----(WC07)-----	1	1
TOLUENE -----(WC02)-----	1	1
CHLOROBENZENE -----(WC03)-----	1	1
ETHYLBENZENE -----(WC04)-----	1	1
XYLENE (o,m,p) -----(WC05)-----	1	1
DICHLOROBENZENE (o,m,p) --(WC06)-----	1	1

=====

MFC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
RE: AIR - ng/l WATER - ug/l SOIL - ng/g

JUN 22 1989

JUN 26 1989

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

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TRACE ORGANICS

Access Number: 890691
Source: UNISYS - UNION TOWER LAKE SUCCESS
Matrix: WATER
Site: 6M-1MD
Date Sampled: 06/21/89
Date of Report: 07/05/89

VOLATILE HALOCENATED	MRC (ug/l)	RESULT (ug/l)
TRICHLOROFLUORMETHANE ----(WA01)-----	1	< 1
1,1-DICHLOROETHYLENE ----(WA15)-----	1	< 1
1,2-DICHLOROETHYLENE ----(WA16)-----	1	< 1
1,1,1-TRICHLOROETHANE ----(WA04)-----	1	< 1
1,1,2-DICHLOROETHYLENE ----(WA17)-----	1	< 1
CHLOROFORM ----(WA05)-----	1	< 2
1,1,1-TRICHLOROETHANE ----(WA06)-----	1	< 1
CARBON TETRACHLORIDE ----(WA07)-----	1	< 1
1,2-DICHLOROETHANE ----(WA18)-----	1	< 2
TRICHLOROETHYLENE ----(WA08)-----	1	< 300
1,2-DICHLOROPROPANE ----(WA20)-----	5	< 5
BROMOCHLOROMETHANE ----(WA19)-----	1	< 1
DIBROMOCHLOROMETHANE ----(WA10)-----	1	< 1
1,1,2-TRICHLOROETHANE ----(WA19)-----	1	< 1
TETRACHLOROETHYLENE ----(WA13)-----	1	< 1
BROMOFORM ----(WA14)-----	1	< 1
1,1,2,2-TETRACHLOROETHANE ----(WA21)-----	1	< 1

VOLATILE AROMATICS	MRC (ug/l)	RESULT (ug/l)
BENZENE ----(WC01)-----	0.5	< 0.5
METHYL ISOBUTYL KETONE ----(WC07)-----	1	< 1
TOLUENE ----(WC02)-----	1	< 1
CHLOROBENZENE ----(WC03)-----	1	< 1
ETHYLBENZENE ----(WC04)-----	1	< 1
XYLENE (o,m,p) ----(WC05)-----	1	< 1
DICHLOROBENZENE (o,m,p) ----(WC06)-----	1	< 1

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - ng/l WATER - ug/l SOIL - ng/g

JUL 06 1989

JUL 10 1989

WASCO COUNTY HEALTH DEPARTMENT
 CENTER FOR LABORATORIES AND RESEARCH
 ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 690601
 Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
 Matrix: WATER
 Site: MONT WELL CH-2
 Date Sampled: 06/08/89
 Date of Report: 06/19/89

VOLATILE HALOGENATED

MFC RESULT
 (ug/l) (ug/l)

TRICHLOROFLUOROMETHANE	NR	NR
1,1-DICHLOROETHYLENE	1	4
1,1,2-DICHLOROETHYLENE	1	1
1,1-DICHLOROETHANE	1	1
1,1,2-DICHLOROETHYLENE	1	1400

CHLOROBENZENE	NR	NR
1,1,1-TRICHLOROETHANE	1	1
CHLORO TETRACHLORIDE	1	1
1,1,1-TRICHLOROETHANE	1	1
TRICHLOROETHYLENE	1	120

1,2-DICHLOROETHANE	NR	NR
BROMOCHLOROETHANE	1	5
DIBROMOCHLOROETHANE	1	1
1,1,2-TRICHLOROETHANE	1	1
TETRACHLOROETHYLENE	1	80

BROMOBENZENE	NR	NR
1,1,2,2-TETRACHLOROETHANE	1	1

VOLATILE AROMATICS

MFC RESULT
 (ug/l) (ug/l)

BENZENE	NR	NR
METHYL ISOBUTYL KETONE	1	1
TOLUENE	1	1
CHLOROBENZENE	1	1
ETHYLENE	1	1
XYLENE (O.M.P.)	1	1
DICHLOROBENZENE (O.M.P.)	1	1

NR - MINIMUM REPORTABLE CONCENTRATION NR - NOT ANALYZED
 NR - NO RESULT DUE TO TECHNICAL REASONS - REAMPLE SUGGESTED
 NR - NR - WATER - ug/l SOIL - ng/g

JUN 22 1989

JUN 26 1989

MASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

Page 1 of 1

TRACE ORGANICS

Access Number 690600
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL CM-2M
Date Sampled: 06/08/89
Date of Report: 06/16/89

VOLATILE HALOGENATED:

MFC RESULT
(ug/l)

TRICHLOROFLUOROMETHANE	----(WA01)-----	NA	-----	NA
1,1-DICHLOROETHYLENE	----(WA15)-----	1	-----	2
1,2-DICHLOROETHYLENE	----(WA16)-----	1	-----	1
1,1-DICHLOROETHANE	----(WA04)-----	1	-----	1
1,2-DICHLOROETHYLENE	----(WA17)-----	1	-----	61

CHLOROFORM	----(WA05)-----	1	-----	1
1,1,1-TRICHLOROETHANE	----(WA06)-----	1	-----	1
CARBON TETRACHLORIDE	----(WA07)-----	1	-----	1
1,2-DICHLOROETHANE	----(WA16)-----	1	-----	1
TRICHLOROETHYLENE	----(WA06)-----	1	-----	61

1,2-DICHLOROETHYLENE	----(WA20)-----	1	-----	1
BROMOCHLOROMETHANE	----(WA09)-----	1	-----	1
CHLOROBROMOMETHANE	----(WA10)-----	1	-----	1
1,1,2-TRICHLOROETHANE	----(WA15)-----	1	-----	1
TETRACHLOROETHYLENE	----(WA13)-----	1	-----	21

BROMOFORM	----(WA14)-----	1	-----	1
1,1,2,2-TETRACHLOROETHANE	----(WA21)-----	1	-----	1

NON-VALENT AROMATICS

MFC RESULT
(ug/l)

BENZENE	----(WC01)-----	0.5	-----	0.5
METHYL ISOBUTYL KETONE	----(WC07)-----	1	-----	1
TOLUENE	----(WC02)-----	1	-----	1
CHLOROBENZENE	----(WC03)-----	1	-----	1
ETHYLENE	----(WC04)-----	1	-----	1
XYLENE (o,m,p)	----(WC05)-----	1	-----	1
DICHLOROBENZENE (o,m,p)	----(WC06)-----	1	-----	1

=====
MFC - MINIMUM RECEPTIBLE CONCENTRATION
NA - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PCE - AIR - N/A
WATER - ug/l
SOIL - ng/g
=====
JUN 22 1989
JUN 26 1989

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 890614
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL GM-3
Date Sampled: 06/12/89
Date of Report: 06/16/89

VOLATILE HALOGENATED	MAC (ug/l)	RESULT (ug/l)
TRICHLOROFLUORMETHANE ----(WA01)-----	NA	NA
1,1-DICHLOROETHYLENE ----(WA15)-----	1	8
t-1,2-DICHLOROETHYLENE ----(WA16)-----	1	1
1,1-DICHLOROETHANE ----(WA04)-----	1	2
c-1,2-DICHLOROETHYLENE ----(WA17)-----	1	2100
CHLOROFORM ----(WA05)-----	20	20
1,1,1-TRICHLOROETHANE ----(WA06)-----	20	20
CARBON TETRACHLORIDE ----(WA07)-----	1	1
1,2-DICHLOROETHANE ----(WA18)-----	1	1
TRICHLOROETHYLENE ----(WA08)-----	1	300
1,2-DICHLOROPROFANE ----(WA20)-----	5	5
BROMODICHLOROMETHANE ----(WA09)-----	1	1
DIBROMOCHLOROMETHANE ----(WA10)-----	1	1
1,1,2-TRICHLOROETHANE ----(WA19)-----	1	1
TETRACHLOROETHYLENE ----(WA13)-----	1	220
BROMOFORM ----(WA14)-----	1	1
1,1,2,2-TETRACHLOROETHANE ----(WA21)-----	1	1

VOLATILE AROMATICS	MAC (ug/l)	RESULT (ug/l)
BENZENE ----(WC01)-----	0.5	0.5
METHYL ISOBUTYL KETONE ----(WC07)-----	1	1
TOLUENE ----(WC02)-----	1	1
CHLOROBENZENE ----(WC03)-----	1	1
ETHYLENBENZENE ----(WC04)-----	1	1
XYLENE (o,m,p) ----(WC05)-----	1	1
DICHLOROBENZENE (o,m,p) ----(WC06)-----	1	1

=====

MAC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PE: AIR - m3/l WATER - ug/l SOIL - ng/g

JUN 22 1989

JUN 26 1989

NASSAU COUNTY HEALTH DEPARTMENT
 CENTER FOR LABORATORIES AND RESEARCH
 ENVIRONMENTAL HEALTH LABORATORIES

Page 1 of 1

TRACE ORGANICS

Access Number: E90609
 Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
 Matrix: WATER
 Site: MONT WELL GN-4
 Date Sampled: 06/09/89
 Date of Report: 06/16/89

VOLATILE HALOGENATED

MEC
 (ug/l) RESULT
 (ug/l)

TRICHLOROFLUOROMETHANE	----	(WA01)	-----	NA
1,1-DICHLOROETHYLENE	----	(WA15)	-----	<
1,1,2-DICHLOROETHYLENE	----	(WA16)	-----	<
1,1-DICHLOROETHANE	----	(WA04)	-----	<
1,1,2-DICHLOROETHYLENE	----	(WA17)	-----	100

CHLOROPYRIN	----	(WA05)	-----	<
1,1,1-TRICHLOROETHANE	----	(WA06)	-----	<
CARBON TETRACHLORIDE	----	(WA07)	-----	<
1,2-DICHLOROETHANE	----	(WA16)	-----	<
TRICHLOROETHYLENE	----	(WA08)	-----	50

1,2-DICHLOROPROPANE	----	(WA20)	-----	<
BROMOCHLOROETHANE	----	(WA09)	-----	<
PERMETHYLENE	----	(WA10)	-----	<
1,1,2-TRICHLOROETHANE	----	(WA19)	-----	<
TETRACHLOROETHYLENE	----	(WA15)	-----	21

BROMOFORM	----	(WA14)	-----	<
1,1,2,2-TETRACHLOROETHANE	----	(WA21)	-----	<

VOLATILE AROMATICS

MEC
 (ug/l) RESULT
 (ug/l)

BENZENE	----	(WC01)	-----	0.5
METHYL ISOBUTYL KETONE	----	(WC02)	-----	<
TOLUENE	----	(WC02)	-----	1
CHLOROBENZENE	----	(WC03)	-----	<
ETHYLENE	----	(WC04)	-----	<
XYLENE (o,m,p)	----	(WC05)	-----	<
DICHLOROBENZENE (o,m,p)	----	(WC06)	-----	<

=====
 MPC - MINIMUM PERCEPTIBLE CONCENTRATION NA - NOT ANALYZED
 MF - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
 FFE: AIR - n/a WATER - ug/l SOIL - ng/g

JUN 22 1989

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NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 890606
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL GM-4M
Date Sampled: 06/09/89
Date of Report: 06/16/89

VOLATILE HALOGENATED	MRC (ug/l)	RESULT (ug/l)
TRICHLOROFLUORMETHANE ----(WA01)-----	NA	NA
1,1-DICHLOROETHYLENE ----(WA15)-----	1	1
t-1,2-DICHLOROETHYLENE ----(WA16)-----	1	1
1,1-DICHLOROETHANE ----(WA04)-----	1	1
c-1,2-DICHLOROETHYLENE ----(WA17)-----	1	900
CHLOROFORM ----(WA05)-----	1	1
1,1,1-TRICHLOROETHANE ----(WA06)-----	1	1
CARBON TETRACHLORIDE ----(WA07)-----	1	1
1,2-DICHLOROETHANE ----(WA18)-----	1	1
TRICHLOROETHYLENE ----(WA08)-----	1	230
1,2-DICHLOROPROPANE ----(WA20)-----	5	5
BROMOCHLOROMETHANE ----(WA09)-----	1	1
DIBROMOCHLOROMETHANE ----(WA10)-----	1	1
1,1,2-TRICHLOROETHANE ----(WA19)-----	1	1
TETRACHLOROETHYLENE ----(WA13)-----	1	140
BROMOFORM ----(WA14)-----	1	1
1,1,2,2-TETRACHLOROETHANE ----(WA21)-----	1	1

VOLATILE AROMATICS	MRC (ug/l)	RESULT (ug/l)
BENZENE ----(WC01)-----	0.5	0.5
METHYL ISOBUTYL KETONE ----(WC07)-----	1	1
TOLUENE ----(WC02)-----	1	1
CHLOROBENZENE ----(WC03)-----	1	1
ETHYLBENZENE ----(WC04)-----	1	1
XYLENE (o,m,p) ----(WC05)-----	1	1
DICHLOROBENZENE (o,m,p) ----(WC06)-----	1	1

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NA - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPE: AIR - n/a WATER - ug/l SOIL - ng/g

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NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

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TRACE ORGANICS

Access Number: E90557
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL CM-5
Date Sampled: 06/08/89
Date of Report: 06/16/89

VOLATILE HALOGENATED

MFC RESULT
(ug/l)

TRICHLOROFLUOROMETHANE	---	(WA01)	---	NA
1,1-DICHLOROETHYLENE	---	(WA15)	---	1
1,2-DICHLOROETHYLENE	---	(WA16)	---	1
1,1-DICHLOROETHANE	---	(WA04)	---	1
1,2-DICHLOROETHYLENE	---	(WA17)	---	2
CHLOROFORM	---	(WA02)	---	1
1,1,1-TRICHLOROETHANE	---	(WA03)	---	1
CARBON TETRACHLORIDE	---	(WA07)	---	1
1,2-DICHLOROETHANE	---	(WA18)	---	1
TRICHLOROETHYLENE	---	(WA08)	---	1
1,2-DICHLOROETHANE	---	(WA09)	---	1
BROMOCHLOROETHANE	---	(WA12)	---	1
DIBROMOCHLOROETHANE	---	(WA10)	---	1
1,1,2-TRICHLOROETHANE	---	(WA19)	---	1
TETRACHLOROETHYLENE	---	(WA13)	---	1
BROMOFORM	---	(WA14)	---	1
1,1,2,2-TETRACHLOROETHANE	---	(WA21)	---	1

NONVOLATILE AROMATICS

MFC RESULT
(ug/l)

BENZENE	---	(WC01)	---	0.5
METHYL ISOBUTYL KETONE	---	(WC07)	---	1
TOLUENE	---	(WC02)	---	2
CHLOROBENZENE	---	(WC03)	---	1
ETHYLBENZENE	---	(WC04)	---	1
XYLENE (o,m,p)	---	(WC05)	---	1
DICHLOROBENZENE (o,m,p)	---	(WC06)	---	1

=====

MFC - MINIMUM REPORTABLE CONCENTRATION

NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL PROBLEMS - RESAMPLE SUGGESTED

WFE 62P - WATER - ug/l

WFE 62P - SOIL - ng/g

=====

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NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 890598
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL GM-5M
Date Sampled: 06/08/89
Date of Report: 06/19/89

VOLATILE HALOGENATED	MFC (ug/l)	RESULT (ug/l)
TRICHLOROFLUORMETHANE -----(WA01)-----	NA	NA
1,1-DICHLOROETHYLENE -----(WA15)-----	1	2
t-1,2-DICHLOROETHYLENE -----(WA16)-----	1	1
1,1-DICHLOROETHANE -----(WA04)-----	1	1
c-1,2-DICHLOROETHYLENE -----(WA17)-----	1	150
CHLOROFORM -----(WA05)-----	1	1
1,1,1-TRICHLOROETHANE -----(WA06)-----	1	3
CARBON TETRACHLORIDE -----(WA07)-----	1	1
1,2-DICHLOROETHANE -----(WA18)-----	1	1
TRICHLOROETHYLENE -----(WA08)-----	1	71
1,2-DICHLOROPROPANE -----(WA20)-----	1	1
BROMOCHLOROMETHANE -----(WA09)-----	1	1
DIBROMOCHLOROMETHANE -----(WA10)-----	1	1
1,1,2-TRICHLOROETHANE -----(WA19)-----	1	1
TETRACHLOROETHYLENE -----(WA13)-----	1	29
BROMOFORM -----(WA14)-----	1	1
1,1,1,2-TETRACHLOROETHANE -----(WA21)-----	1	1

VOLATILE AROMATICS	MFC (ug/l)	RESULT (ug/l)
BENZENE -----(WC01)-----	0.5	15.0
METHYL ISOBUTYL KETONE -----(WC07)-----	1	1
TOLUENE -----(WC02)-----	1	100
CHLOROBENZENE -----(WC03)-----	1	1
ETHYLBENZENE -----(WC04)-----	1	37
XYLENE (o,m,p) -----(WC05)-----	1	101
DICHLOROBENZENE (o,m,p) -----(WC06)-----	1	1

Comment: TETRA - TETRA SUBSTITUTED BENZENES DETECTED

Comment: E1 GC/MS

PC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPEL AIR - 0.1/2 WATER - ug/l SOIL - mg/g

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WABSAU COUNTY HEALTH DEPARTMENT
 CENTER FOR LABORATORIES AND RESEARCH
 ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 390599

Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS

Matrix: WATER

Site: MONT WELL GM-6

Date Sampled: 06/08/89

Date of Report: 06/16/89

VOLATILE HALOGENATED

	MRC (ug/l)	RESULT (ug/l)
TRICHLOROFLUOROMETHANE --- (WA01) ---	NA	NA
1,1-DICHLOROETHYLENE --- (WA15) ---	1	<
1,1,2-DICHLOROETHYLENE --- (WA16) ---	1	<
1,1-DICHLOROETHANE --- (WA04) ---	1	<
1,1,2-DICHLOROETHYLENE --- (WA17) ---	1	<

	MRC (ug/l)	RESULT (ug/l)
CHLOROFORM --- (WA05) ---	1	<
1,1,1-TRICHLOROETHANE --- (WA06) ---	1	<
CARBON TETRACHLORIDE --- (WA07) ---	1	<
1,2-DICHLOROETHANE --- (WA18) ---	1	<
TRICHLOROETHYLENE --- (WA08) ---	1	<
1,2-DICHLOROPROPANE --- (WA20) ---	1	<
1,1-DICHLOROETHANE --- (WA09) ---	1	<
DIBROMOCHLOROMETHANE --- (WA10) ---	1	<
1,1,2-TRICHLOROETHANE --- (WA19) ---	1	<
TETRACHLOROETHYLENE --- (WA13) ---	1	<

	MRC (ug/l)	RESULT (ug/l)
BROMOFORM --- (WA14) ---	1	<
1,1,2,2-TETRACHLOROETHANE --- (WA21) ---	1	<

VOLATILE AROMATICS

	MRC (ug/l)	RESULT (ug/l)
BENZENE --- (WC01) ---	0.5	<
METHYL ISOBUTYL KETONE --- (WC07) ---	1	<
TOLUENE --- (WC02) ---	1	<
CHLOROBENZENE --- (WC03) ---	1	<
ETHYLBENZENE --- (WC04) ---	1	<
XYLENE (o,m,p) --- (WC05) ---	1	<
DICHLOROBENZENE (o,m,p) --- (WC06) ---	1	<

MRC - MINIMUM REPORTABLE CONCENTRATION

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - n/l

WATER - ug/l

SOIL - ng/g

NA - NOT ANALYZED

JUN 22 1989

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NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: E90610
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL CM-7
Date Sampled: 06/09/89
Date of Report: 06/16/89

VOLATILE HALOGENATED	MRC (ug/l)	RESULT (ug/l)
TRICHLOROFLUORMETHANE -----(UA01)-----	NA	NA
1,1-DICHLOROETHYLENE -----(UA15)-----	1	1
1,2-DICHLOROETHYLENE -----(UA16)-----	1	< 1
1,1-DICHLOROETHANE -----(UA04)-----	1	< 1
c-1,2-DICHLOROETHYLENE -----(UA17)-----	1	150
CHLOROFORM -----(UA05)-----	1	< 1
1,1,1-TRICHLOROETHANE -----(UA06)-----	1	< 1
CARBON TETRACHLORIDE -----(UA07)-----	1	< 1
1,2-DICHLOROETHANE -----(UA18)-----	1	< 1
TRICHLOROETHYLENE -----(UA08)-----	1	59
1,2-DICHLOROPROPANE -----(UA20)-----	1	< 1
BROMOCHLOROMETHANE -----(UA09)-----	1	< 1
DIBROMOCHLOROMETHANE -----(UA10)-----	1	< 1
1,1,2-TRICHLOROETHANE -----(UA19)-----	1	< 1
TETRACHLOROETHYLENE -----(UA13)-----	1	26
BROMOFORM -----(UA14)-----	1	< 1
1,1,2,2-TETRACHLOROETHANE -----(UA21)-----	1	< 1

VOLATILE AROMATICS	MRC (ug/l)	RESULT (ug/l)
BENZENE -----(UC01)-----	0.5	< 0.5
METHYL ISOBUTYL KETONE -----(UC07)-----	1	< 1
TOLUENE -----(UC02)-----	1	2
CHLOROBENZENE -----(UC03)-----	1	< 1
ETHYLBENZENE -----(UC04)-----	1	< 1
XYLENE (o,m,p) -----(UC05)-----	1	< 1
DICHLOROBENZENE (o,m,p) -----(UC06)-----	1	< 1

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPE: AIR - n1/1 WATER - ug/l SOIL - ng/g

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NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

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TRACE ORGANICS

Access Number: 390602
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL GM-85
Date Sampled: 06/10/89
Date of Report: 06/16/89

VOLATILE HALOGENATED

MRC RESULT
(ug/l) (ug/l)

TRICHLOROFLUOROMETHANE	NA	MP
1,1-DICHLOROETHYLENE	1	1
1,1,2-DICHLOROETHYLENE	1	1
1,1-DICHLOROETHANE	1	1
1,1,2-DICHLOROETHYLENE	1	1
CHLOROFORM	1	1
1,1,1-TRICHLOROETHANE	1	1
CARBON TETRACHLORIDE	1	1
1,2-DICHLOROETHANE	1	1
TRICHLOROETHYLENE	1	1
1,2-DICHLOROPROPANE	1	1
BROMOCHLOROMETHANE	1	1
DIBROMOCHLOROMETHANE	1	1
1,1,2-TRICHLOROETHANE	1	1
TETRACHLOROETHYLENE	1	1
BROMOFORM	1	1
1,1,2,2-TETRACHLOROETHANE	1	1

VOLATILE AROMATICS

MRC RESULT
(ug/l) (ug/l)

BENZENE	0.5	0.5
METHYL ISOBUTYL KETONE	1	1
TOLUENE	1	1
CHLOROBENZENE	1	1
ETHYLBENZENE	1	1
XYLENE (o,p)	1	1
DICHLOROBENZENE (o,m,p)	1	1

=====
MRC - MINIMUM RECOVERABLE CONCENTRATION
NF - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
FPP, AIR - n/l WATER - ug/l SOIL - ng/g
=====
NF - NOT ANALYZED

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NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: E90604
Source: UNISYS - LAKEYVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL GM-8
Date Sampled: 06/10/89
Date of Report: 06/16/89

VOLATILE HALOGENATED	MRC (ug/l)		RESULT (ug/l)
TRICHLOROFLUORMETHANE -----(UA01)-----	NA	-----	NA
1,1-DICHLOROETHYLENE ----(UA15)-----	1	-----	36
trans-1,2-DICHLOROETHYLENE ----(UA16)-----	1	-----	1
1,1-DICHLOROETHANE -----(UA04)-----	1	-----	2
cis-1,2-DICHLOROETHYLENE ----(UA17)-----	1	-----	1000
CHLOROFORM -----(UA05)-----	1	-----	1
1,1,1-TRICHLOROETHANE ----(UA06)-----	1	-----	1
CARBON TETRACHLORIDE ----(UA07)-----	1	-----	1
1,2-DICHLOROETHANE -----(UA18)-----	1	-----	1
TRICHLOROETHYLENE -----(UA08)-----	1	-----	310
1,2-DICHLOROPROFANE------(UA20)-----	5	-----	5
BROMODICHLOROMETHANE ----(UA09)-----	1	-----	1
DIBROMOCHLOROMETHANE ----(UA10)-----	1	-----	1
1,1,2-TRICHLOROETHANE ----(UA19)-----	1	-----	1
TETRACHLOROETHYLENE -----(UA13)-----	1	-----	150
BROMOFORM -----(UA14)-----	1	-----	1
1,1,2,2-TETRACHLOROETHANE-(UA21)-----	1	-----	1

VOLATILE AROMATICS	MRC (ug/l)		RESULT (ug/l)
BENZENE -----(UC01)-----	0.5	-----	0.5
METHYL ISOBUTYL KETONE ----(UC07)-----	1	-----	1
TOLUENE -----(UC02)-----	1	-----	1
CHLOROBENZENE -----(UC03)-----	1	-----	1
ETHYLBENZENE -----(UC04)-----	1	-----	1
XYLENE (o,m,p) -----(UC05)-----	1	-----	1
DICHLOROBENZENE (o,m,p) --(UC06)-----	1	-----	1

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NA - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PFB: AIR - ml/l WATER - ug/l SOIL - ng/g

JUN 22 1989

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NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: E90615
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL GM-9
Date Sampled: 06/12/89
Date of Report: 06/16/89

VOLATILE HALOGENATED	MRC (ug/l)		RESULT (ug/l)
TRICHLOROFLUORMETHANE -----(UA01)-----	NA	-----	NA
1,1-DICHLOROETHYLENE ----(UA15)-----	1	-----	5
t-1,2-DICHLOROETHYLENE ----(UA16)-----	1	----- <	1
1,1-DICHLOROETHANE -----(UA04)-----	1	----- <	1
c-1,2-DICHLOROETHYLENE ----(UA17)-----	1	-----	100
CHLOROFORM -----(UA05)-----	1	----- <	1
1,1,1-TRICHLOROETHANE ----(UA06)-----	1	-----	1
CARBON TETRACHLORIDE -----(UA07)-----	1	----- <	1
1,2-DICHLOROETHANE -----(UA18)-----	1	----- <	1
TRICHLOROETHYLENE -----(UA08)-----	1	-----	53
1,2-DICHLOROPROPANE------(UA20)-----	1	----- <	1
BROMODICHLOROMETHANE -----(UA09)-----	1	----- <	1
DIBROMOCHLOROMETHANE -----(UA10)-----	1	----- <	1
1,1,2-TRICHLOROETHANE ----(UA19)-----	1	----- <	1
TETRACHLOROETHYLENE -----(UA13)-----	1	-----	34
BROMOFORM -----(UA14)-----	1	----- <	1
1,1,2,2-TETRACHLOROETHANE-(UA21)-----	1	----- <	1

VOLATILE AROMATICS	MRC (ug/l)		RESULT (ug/l)
BENZENE -----(UC01)-----	0.5	----- <	0.5
METHYL ISOBUTYL KETONE ----(UC07)-----	1	----- <	1
TOLUENE -----(UC02)-----	1	----- <	1
CHLOROBENZENE -----(UC03)-----	1	----- <	1
ETHYLBENZENE -----(UC04)-----	1	----- <	1
XYLENE (o,m,p) -----(UC05)-----	1	----- <	1
DICHLOROBENZENE (o,m,p) --(UC06)-----	1	----- <	1

=====

MFC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIF - ml/l WATER - ug/l SOIL - ng/g

JUN 26 1989

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NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 890605
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL GM-10
Date Sampled: 06/09/89
Date of Report: 06/16/89

VOLATILE HALOGENATES	MRC (ug/l)	RESULT (ug/l)
TRICHLOROFLUOROMETHANE -----(WA01)-----	NA	NA
1,1-DICHLOROETHYLENE -----(WA15)-----	1	4
t-1,2-DICHLOROETHYLENE -----(WA16)-----	1	1
1,1-DICHLOROETHANE -----(WA04)-----	1	1
c-1,2-DICHLOROETHYLENE -----(WA17)-----	1	120
CHLOROFORM -----(WA05)-----	1	1
1,1,1-TRICHLOROETHANE -----(WA06)-----	1	2
CARBON TETRACHLORIDE -----(WA07)-----	1	1
1,2-DICHLOROETHANE -----(WA18)-----	1	1
TRICHLOROETHYLENE -----(WA08)-----	1	56
1,2-DICHLOROPROFANE -----(WA20)-----	1	1
BROMODICHLOROMETHANE -----(WA09)-----	1	1
DIBROMODICHLOROMETHANE -----(WA10)-----	1	1
1,1,2-TRICHLOROETHANE -----(WA19)-----	1	1
TETRACHLOROETHYLENE -----(WA13)-----	1	210
BROMOFORM -----(WA14)-----	1	1
1,1,2,2-TETRACHLOROETHANE -----(WA21)-----	1	1

VOLATILE AROMATICS	MRC (ug/l)	RESULT (ug/l)
BENZENE -----(WC01)-----	0.5	0.5
METHYL ISOBUTYL KETONE -----(WC07)-----	1	1
TOLUENE -----(WC02)-----	1	1
CHLOROBENZENE -----(WC03)-----	1	1
ETHYLBENZENE -----(WC04)-----	1	1
XYLENE (o,m,p) -----(WC05)-----	1	1
DICHLOROBENZENE (o,m,p) -----(WC06)-----	1	3

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPE - AIR - dl/l WATER - ug/l SOIL - ng/g

JUN 26 1989

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NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: B90606
Source: UNISYS - LAKEVILLE RD., LAKE SUCCESS
Matrix: WATER
Site: MONT WELL CM-11
Date Sampled: 06/09/89
Date of Report: 06/19/89

VOLATILE HALOGENATED	MRC (ug/l)	RESULT (ug/l)
TRICHLOROFLUORMETHANE ----(WA01)-----	NA	NA
1,1-DICHLOROETHYLENE ----(WA15)-----	1	12
c-1,2-DICHLOROETHYLENE ----(WA16)-----	1	1
1,1-DICHLOROETHANE ----(WA04)-----	1	1
c-1,2-DICHLOROETHYLENE ----(WA17)-----	1	240
CHLOROFORM ----(WA05)-----	1	1
1,1,1-TRICHLOROETHANE ----(WA06)-----	1	1
CARBON TETRACHLORIDE ----(WA07)-----	1	1
1,2-DICHLOROETHANE ----(WA18)-----	1	1
TRICHLOROETHYLENE ----(WA08)-----	1	67
1,2-DICHLOROPROPANE ----(WA20)-----	1	1
BROMODICHLOROMETHANE ----(WA09)-----	1	1
DIBROMOCHLOROMETHANE ----(WA10)-----	1	1
1,1,2-TRICHLOROETHANE ----(WA19)-----	1	1
TETRACHLOROETHYLENE ----(WA13)-----	1	62
BROMOFORM ----(WA14)-----	1	1
1,1,2,2-TETRACHLOROETHANE ----(WA21)-----	1	1

VOLATILE AROMATICS	MRC (ug/l)	RESULT (ug/l)
BENZENE ----(WC01)-----	0.5	0.5
METHYL ISOBUTYL KETONE ----(WC07)-----	1	1
TOLUENE ----(WC02)-----	1	1
CHLOROBENZENE ----(WC03)-----	1	1
ETHYLENEBENZENE ----(WC04)-----	1	1
XYLENE (o,m,p) ----(WC05)-----	1	1
DICHLOROBENZENE (o,m,p) ----(WC06)-----	1	1

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
 NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
 PPE: AIR - 100% WATER - ug/l SOIL - mg/kg

JUN 22 1989

JUN 26 1989

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

ss Number: B90607
ce: UNISYS - LAKEVILLE RD., LAKE SUCCESS
ix: WATER
z: MONT WELL CM-11M
e Sampled: 06/09/89
e of Report: 06/16/89

VOLATILE HALOGENATED	MRC (ug/l)	RESULT (ug/l)
TRICHLOROFLUORMETHANE -----(UA01)-----	NA	NA
1,1-DICHLOROETHYLENE -----(UA15)-----	1	6
trans-1,2-DICHLOROETHYLENE -----(UA16)-----	1	1
1,1-DICHLOROETHANE -----(UA04)-----	1	1
cis-1,2-DICHLOROETHYLENE -----(UA17)-----	1	760
CHLOROFORM -----(UA05)-----	1	1
1,1,1-TRICHLOROETHANE -----(UA06)-----	1	1
CARBON TETRACHLORIDE -----(UA07)-----	1	1
1,2-DICHLOROETHANE -----(UA18)-----	1	1
TRICHLOROETHYLENE -----(UA08)-----	1	180
1,2-DICHLOROPROPANE -----(UA20)-----	5	5
BROMODICHLOROMETHANE -----(UA09)-----	1	1
DIBROMOCHLOROMETHANE -----(UA10)-----	1	1
1,1,2-TRICHLOROETHANE -----(UA19)-----	1	1
TETRACHLOROETHYLENE -----(UA13)-----	1	94
BROMOFORM -----(UA14)-----	1	1
1,1,2,2-TETRACHLOROETHANE -----(UA21)-----	1	1

VOLATILE AROMATICS	MRC (ug/l)	RESULT (ug/l)
BENZENE -----(UC01)-----	0.5	0.5
METHYL ISOBUTYL KETONE -----(UC07)-----	1	1
TOLUENE -----(UC02)-----	1	1
CHLOROBENZENE -----(UC03)-----	1	1
ETHYLBENZENE -----(UC04)-----	1	1
XYLENE (o,m,p) -----(UC05)-----	1	1
DICHLOROBENZENE (o,m,p) -----(UC06)-----	1	1

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - ml/l WATER - ug/l SOIL - ng/g

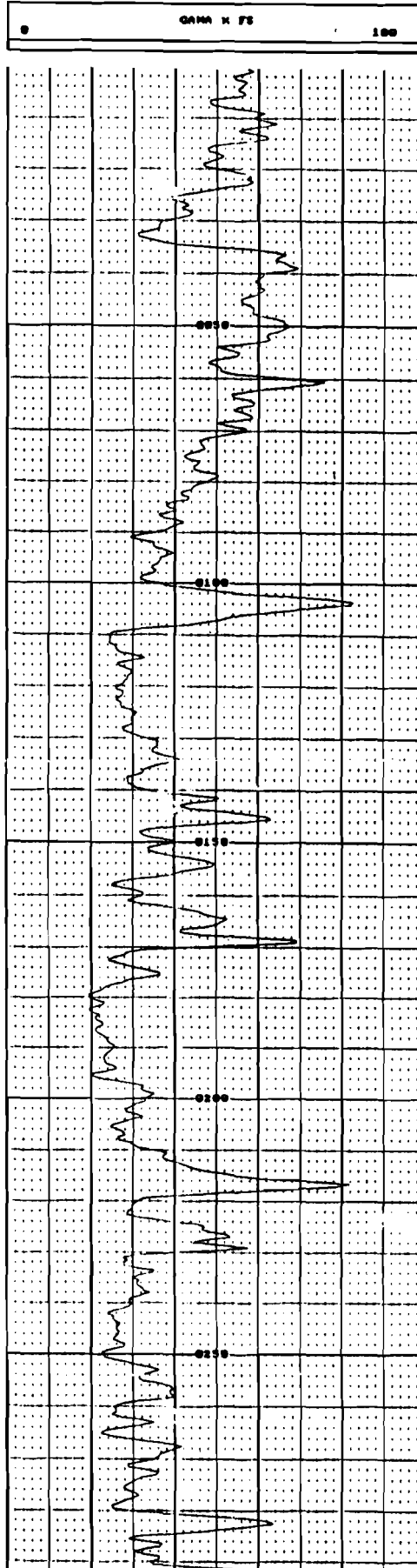
JUN 26 1989

JUN 22 1989

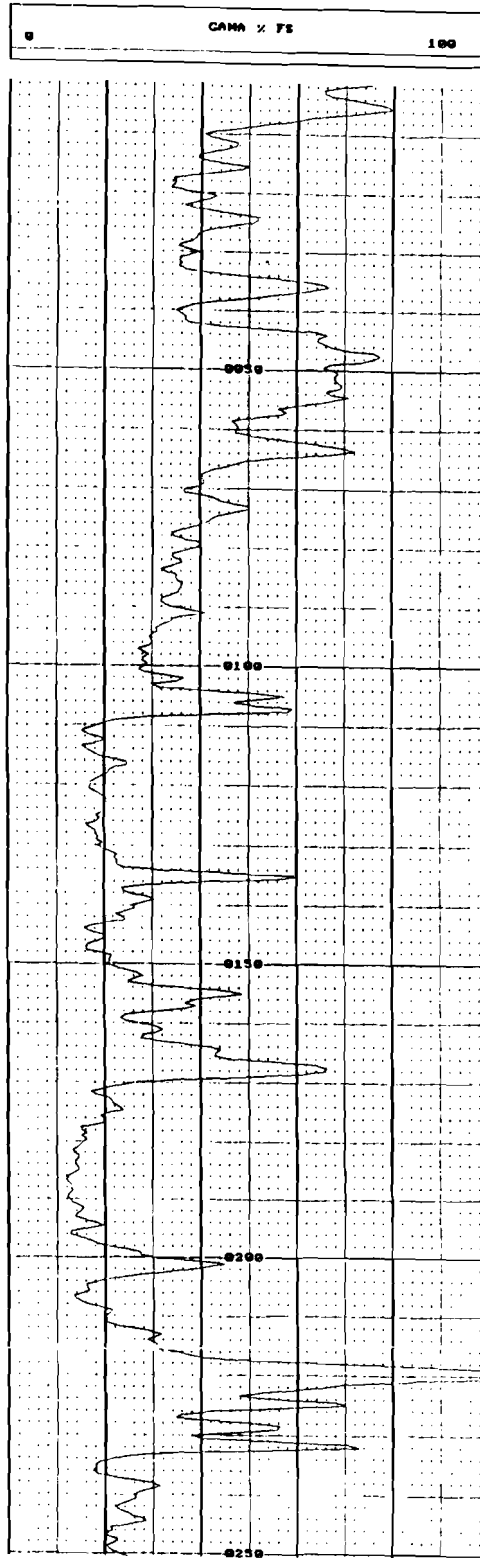
APPENDIX H3

G&M 1989 GEOPHYSICAL LOGS

COMPANY: GERRAGHY AND MILLER
HOLE ID: GR-1MD
LOCATION: GREAT NECK NY
DATE: 5-24-89
TIME: 1000
OPERATOR: RE
COMMENT1: GAMMA
COMMENT2: LOG BP



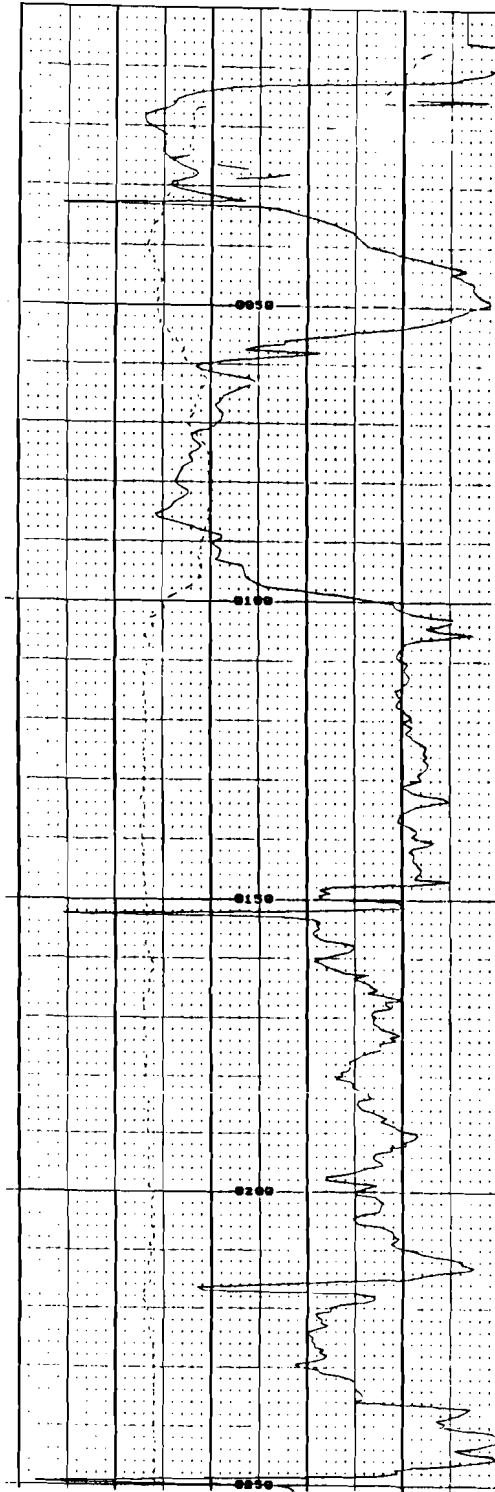
COMPANY: GERAGHY AND MILLER
HOLE ID: GM-1H
LOCATION: GREAT NECK NY
DATE: 4-6-89
TIME: 1300
OPERATOR: RE
COMMENT1: GAMMA
COMMENT2: LOG-UP



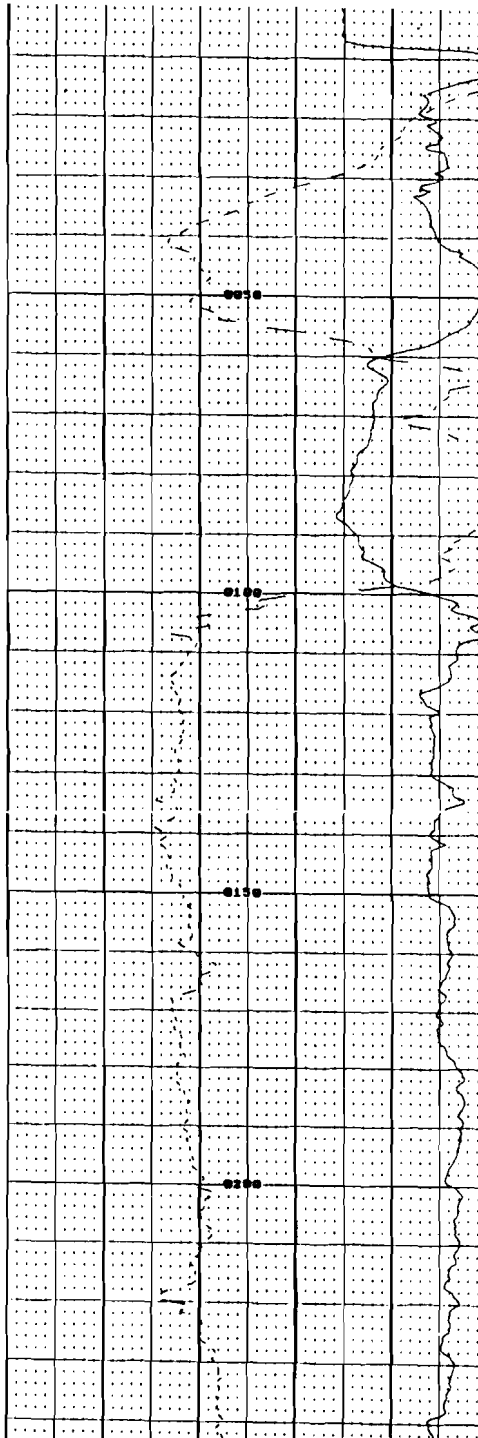
COMPANY: GERAGHTY AND MILLER
 HOLE ID: GM-1M
 LOCATION: GREAT NECK NY
 DATE: 4-6-89
 TIME: 1320
 OPERATOR: RE
 COMMENT1: R SP
 COMMENT2: LOG DOWN

100 ft
 100 ft
 100 ft

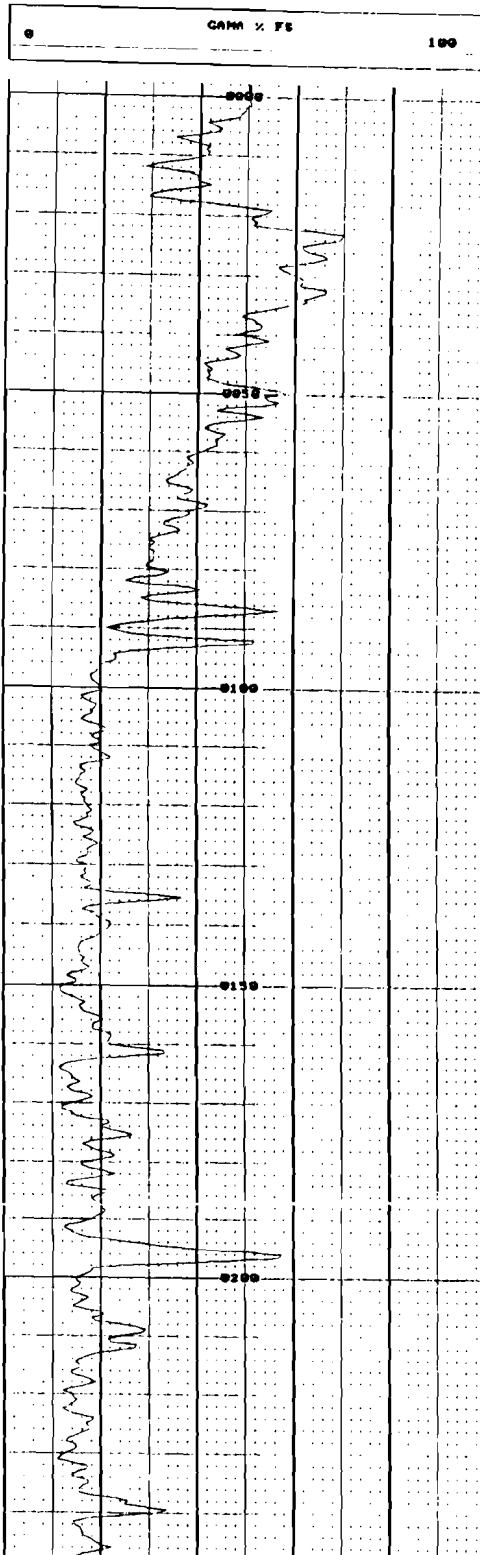
0	SP X FS	100
0	RES X FS	100



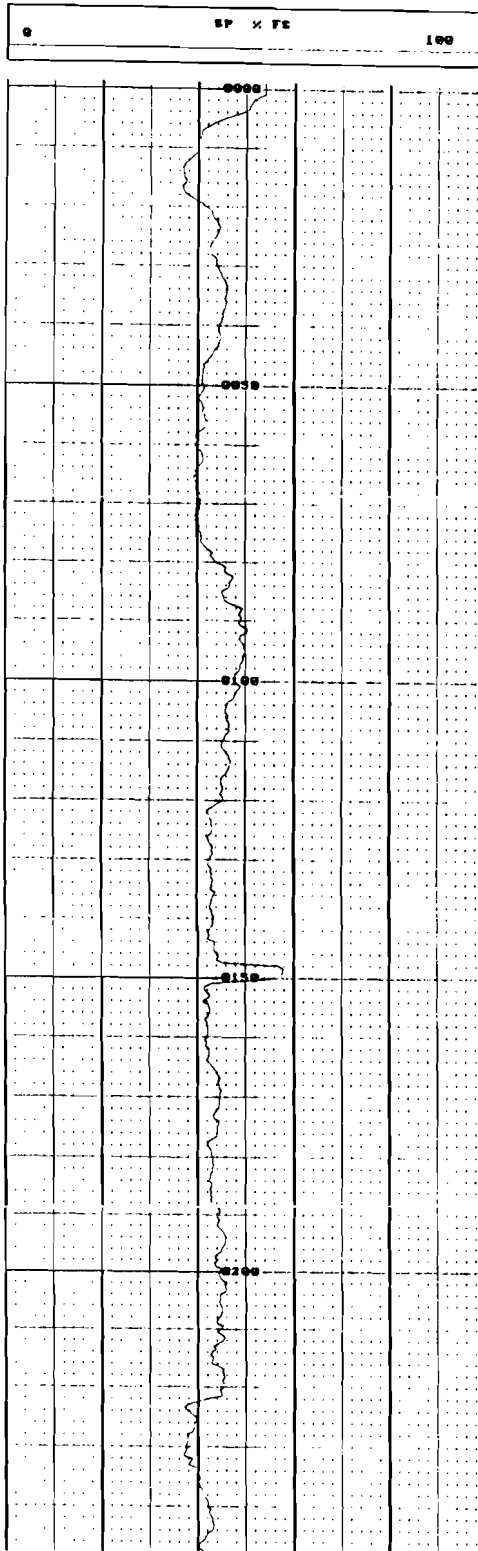
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-1H
LOCATION: GREAT NECK NY
DATE: 4-6-89
TIME: 1945
OPERATOR: RE
COMMENT1: R SP
COMMENT2: LOG UP



COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-2H
LOCATION: GREAT MECH NW
DATE: 3-9-89
TIME: 1330
OPERATOR: TML
COMMENT1: GAMMA
COMMENT2: LOG DOWN

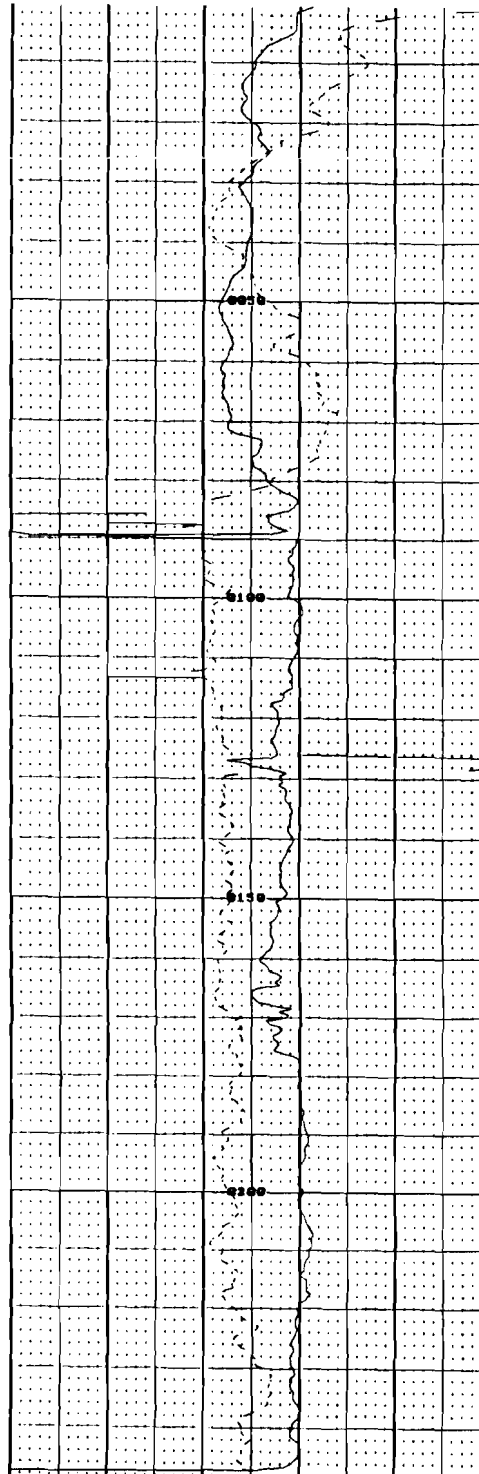


COMPANY: GERAGHY AND MILLER
HOLE ID: GM-2M
LOCATION: GREAT NECK NY
DATE: 3-9-89
TIME: 1430
OPERATOR: INL
COMMENT1: R SP
COMMENT2: LOG DOWN

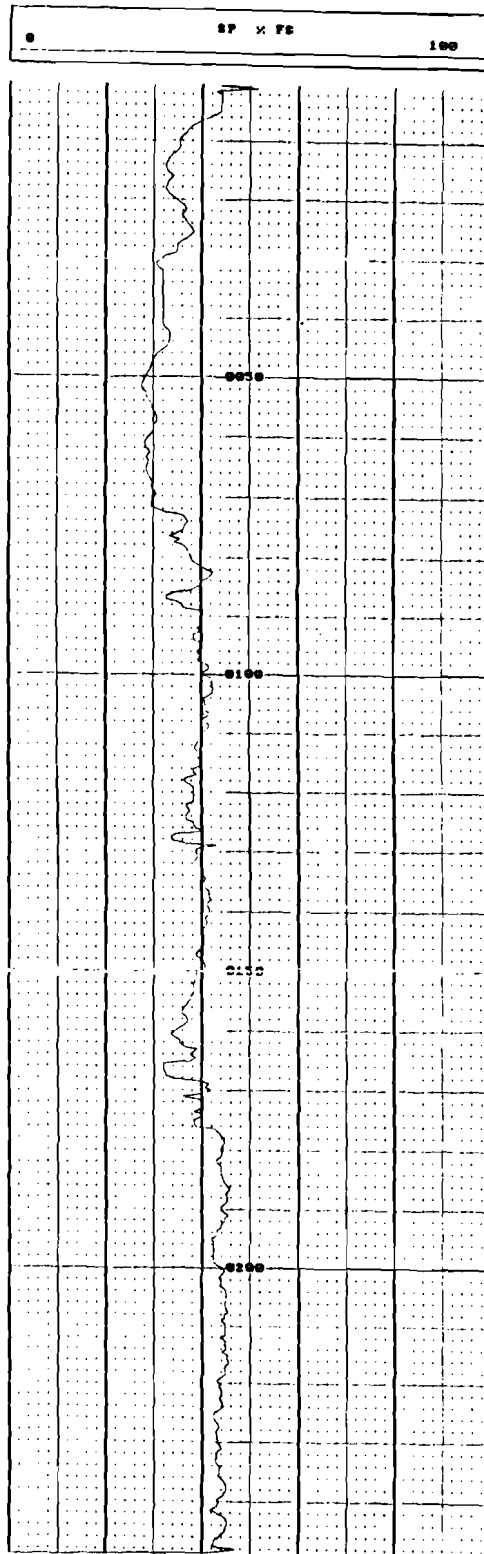


COMPANY: GERAGHY AND MILLER
HOLE ID: GN-24
LOCATION: GREAT NECK NY
DATE: 3-9-89
TIME: 1445
OPERATOR: TNL
COMMENT1: R SP
COMMENT2: LOG UP

200	RESID OHMS	700
700	SPD MU	1200

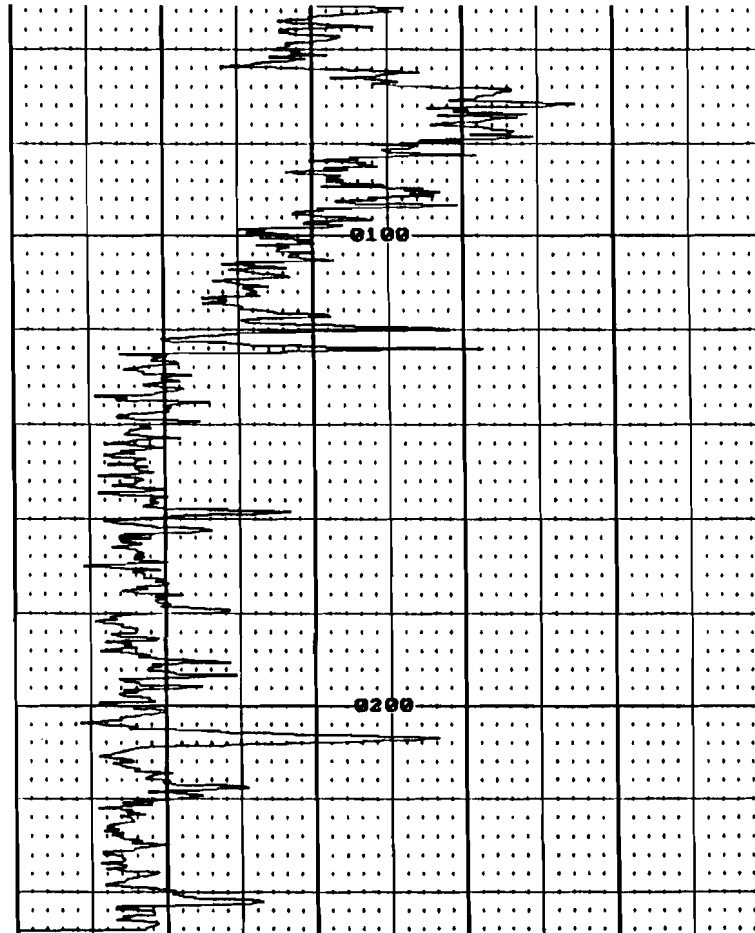


COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-2H
LOCATION: GREAT NECK NY
DATE: 3-9-89
TIME: 1445
OPERATOR: TNL
COMMENT1: R SP
COMMENT2: LOG UP

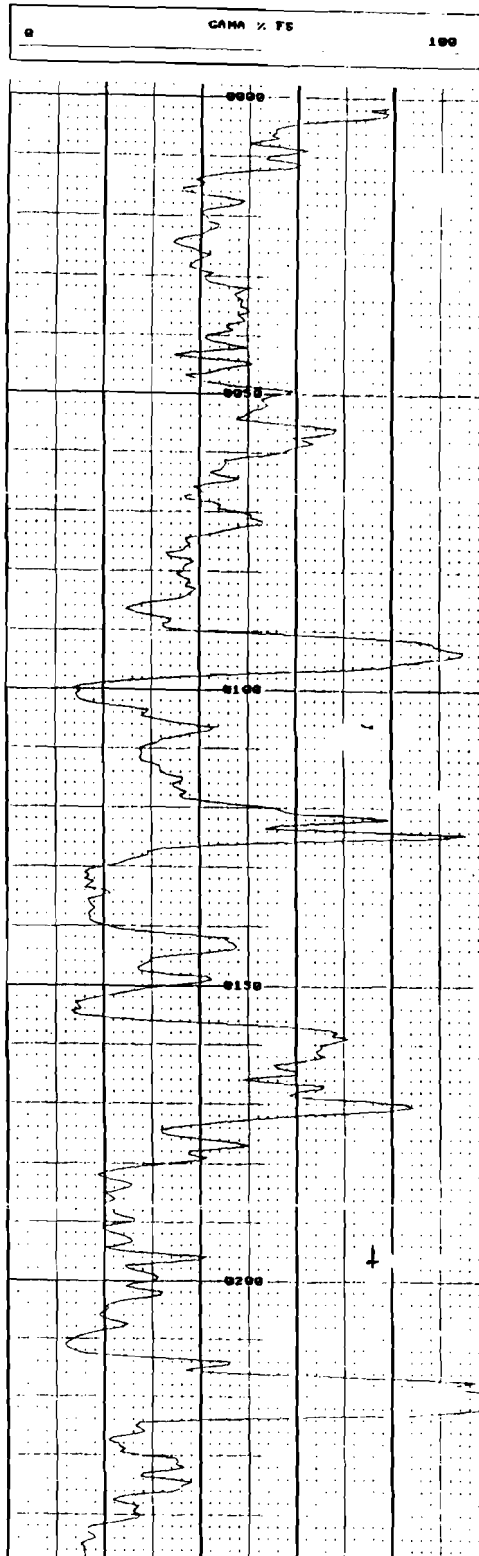


COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-2M
LOCATION: GREAT NECK NY
DATE: 3-9-89
TIME: 1400
OPERATOR: INL
COMMENT1: GAMMA
COMMENT2: LOG UP

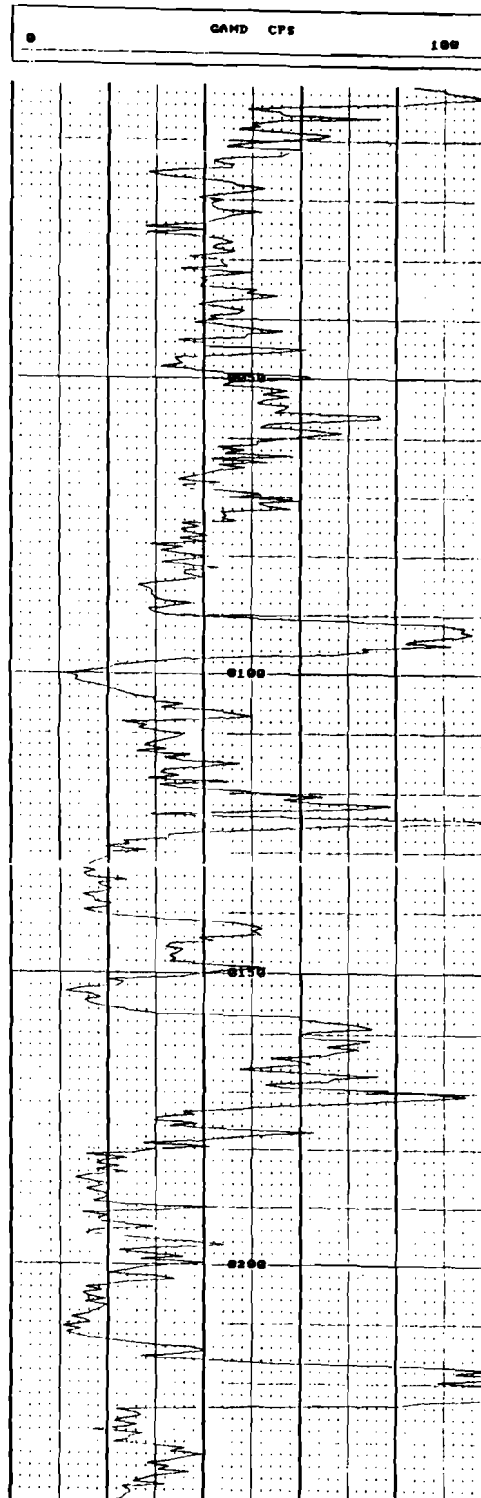
GAMD CPS		
0		100



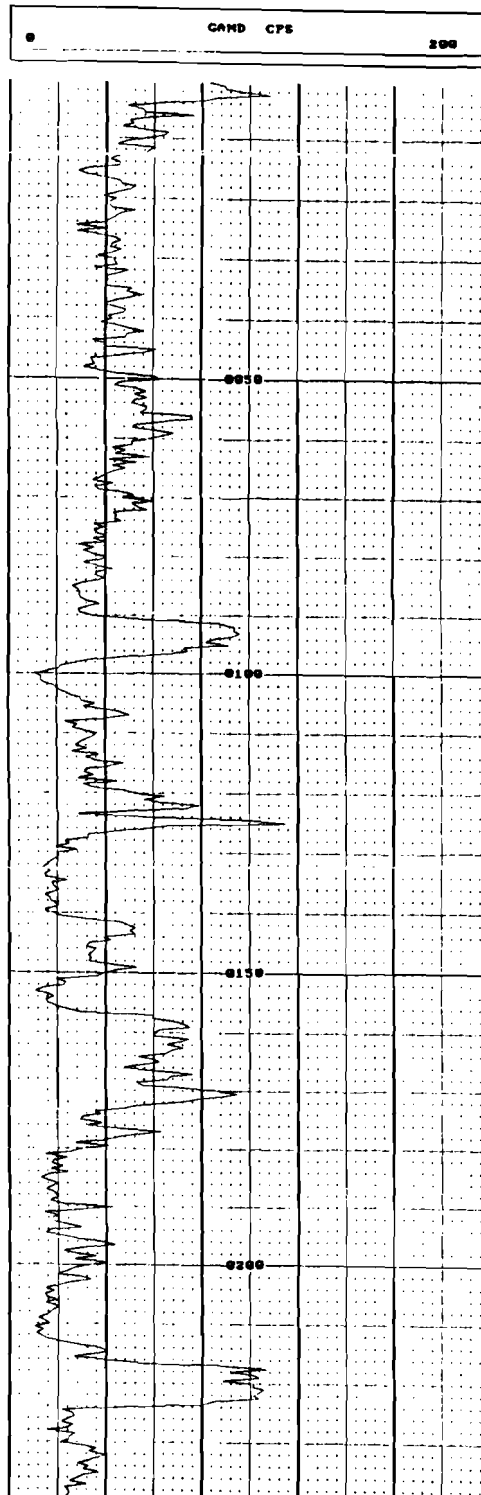
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-4H
LOCATION: GREAT NECK NY
DATE: 3-22-89
TIME: 0900
OPERATOR: TNL
COMMENT1: GAMMA
COMMENT2: LOG DOWN



COMPANY: GERAGHY AND MILLER
HOLE ID: GH-4H
LOCATION: GREAT NECK NY
DATE: 3-22-89
TIME: 0930
OPERATOR: INL
COMMENT1: GAMMA
COMMENT2: LOG UP

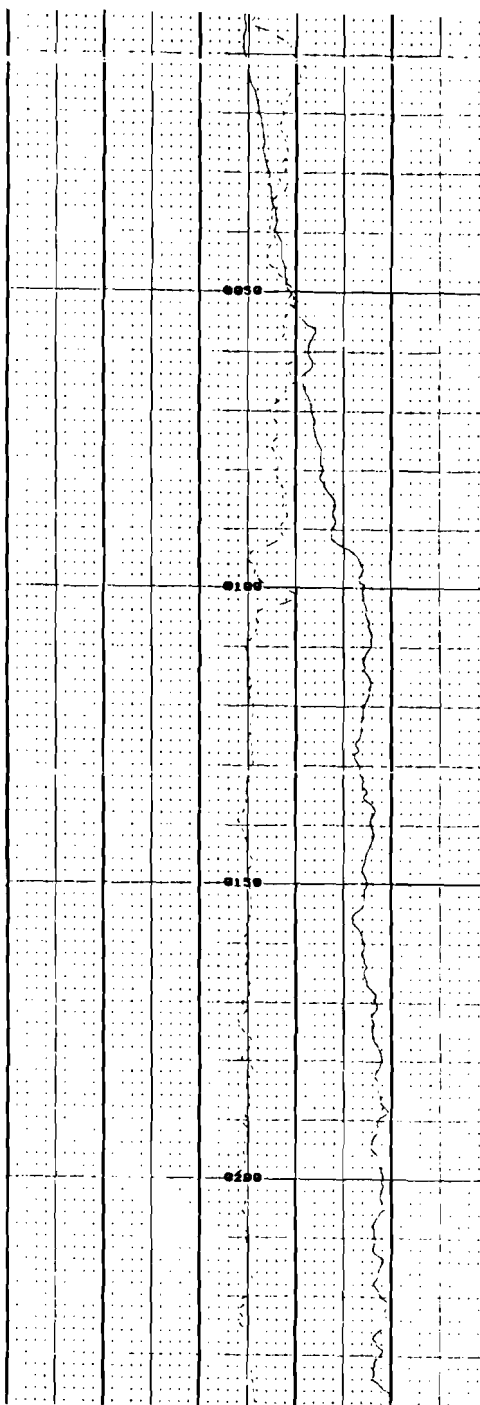


COMPANY: GERAGHY AND MILLER
HOLE ID: GM-4H
LOCATION: GREAT MECK NV
DATE: 3-22-89
TIME: 0930
OPERATOR: TNL
COMMENT1: GAMMA
COMMENT2: LOG UP



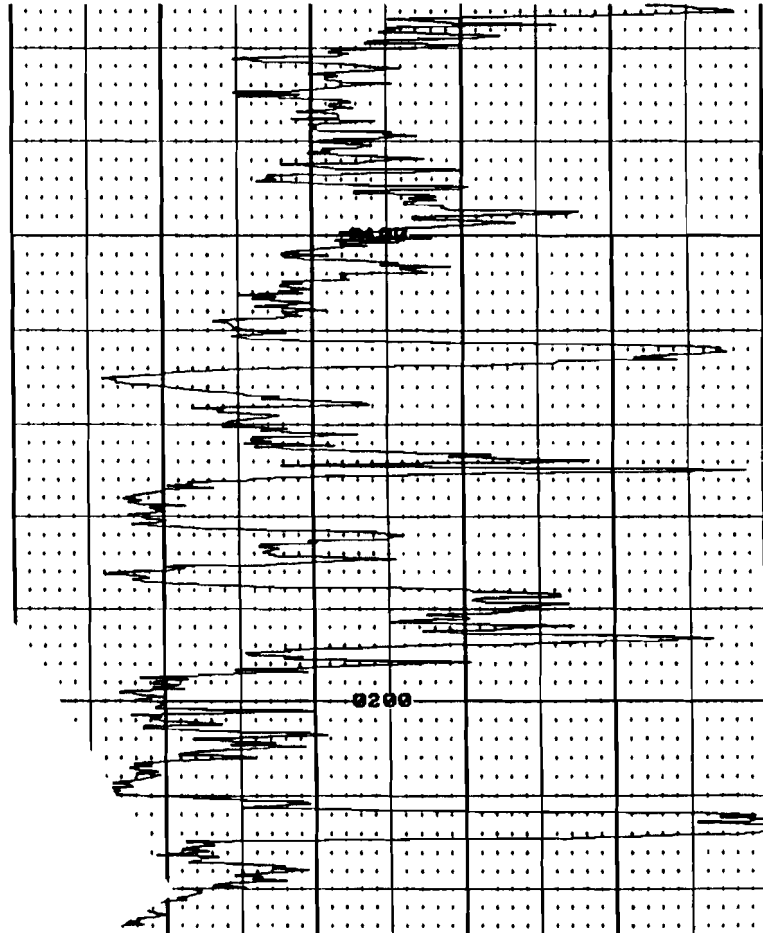
COMPANY: GERAGHY AND MILLER
 HOLE ID: GM-4H
 LOCATION: GREAT NECK NY
 DATE: 3-22-89
 TIME: 1830
 OPERATOR: TNL
 COMMENT1: R SP
 COMMENT2: LOG UP

8	RESID OHMS	1000
8	SPD MU	1000

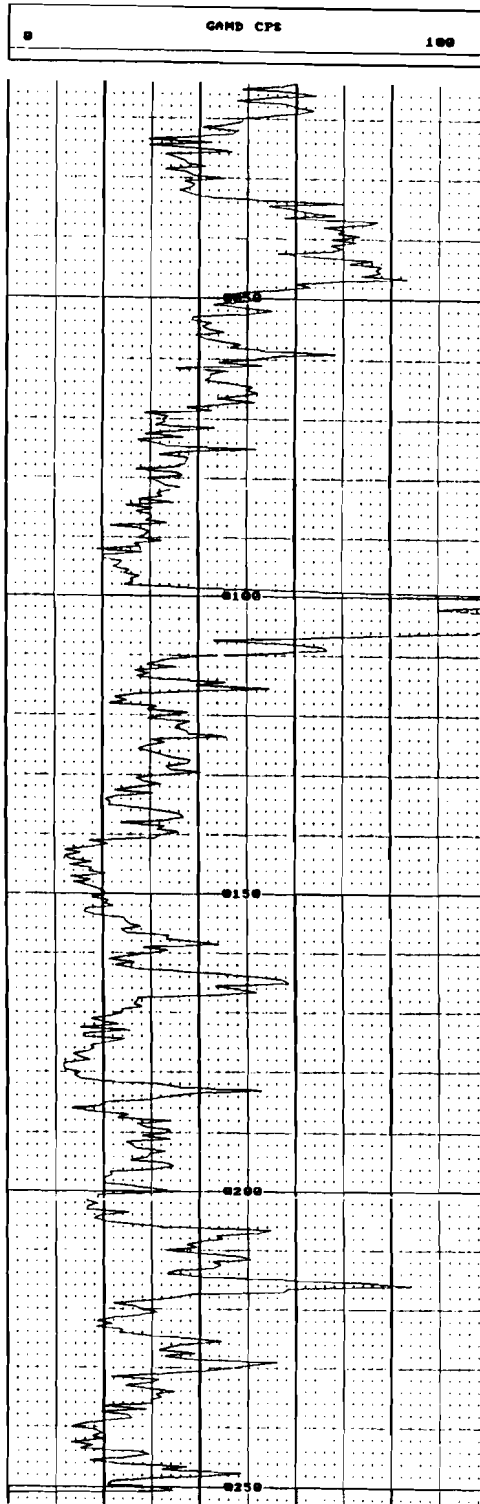


COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-4M
LOCATION: GREAT NECK NY
DATE: 3-22-89
TIME: 0930
OPERATOR: INL
COMMENT1: GAMMA
COMMENT2: LOG UP

0	GAMD CPS	100
---	----------	-----

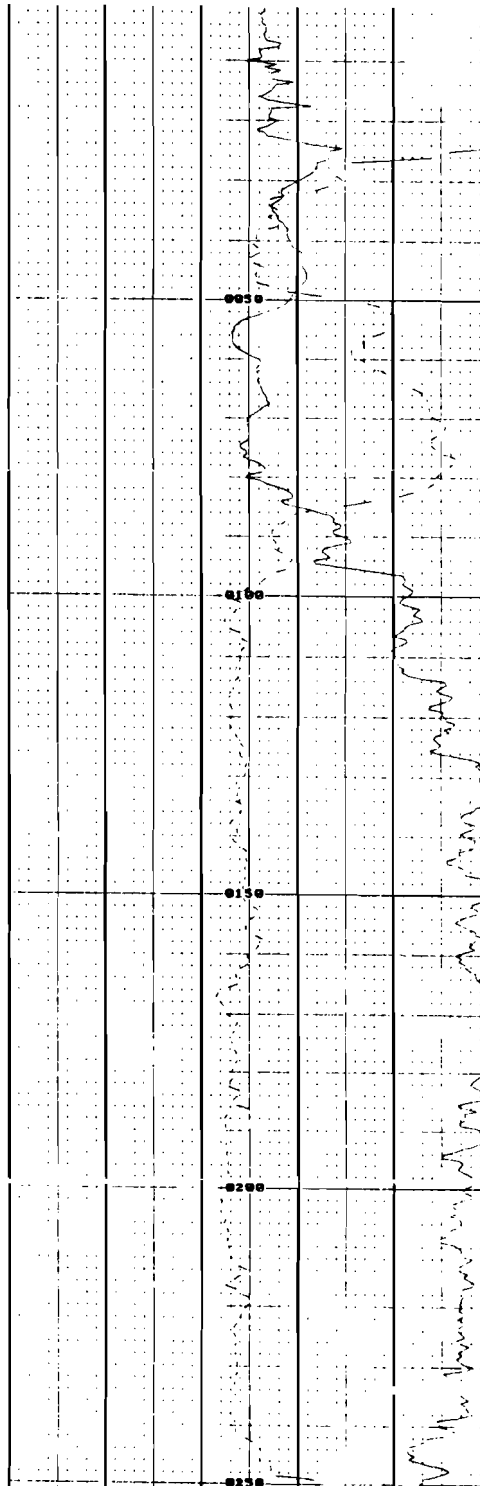


COMPANY: GERAGHY AND MILLER
HOLE ID: GM-5H
LOCATION: GREAT MECK
DATE: 2-10-89
TIME: 1030
OPERATOR: DJM
COMMENT1: GAMMA
COMMENT2: RUN 2



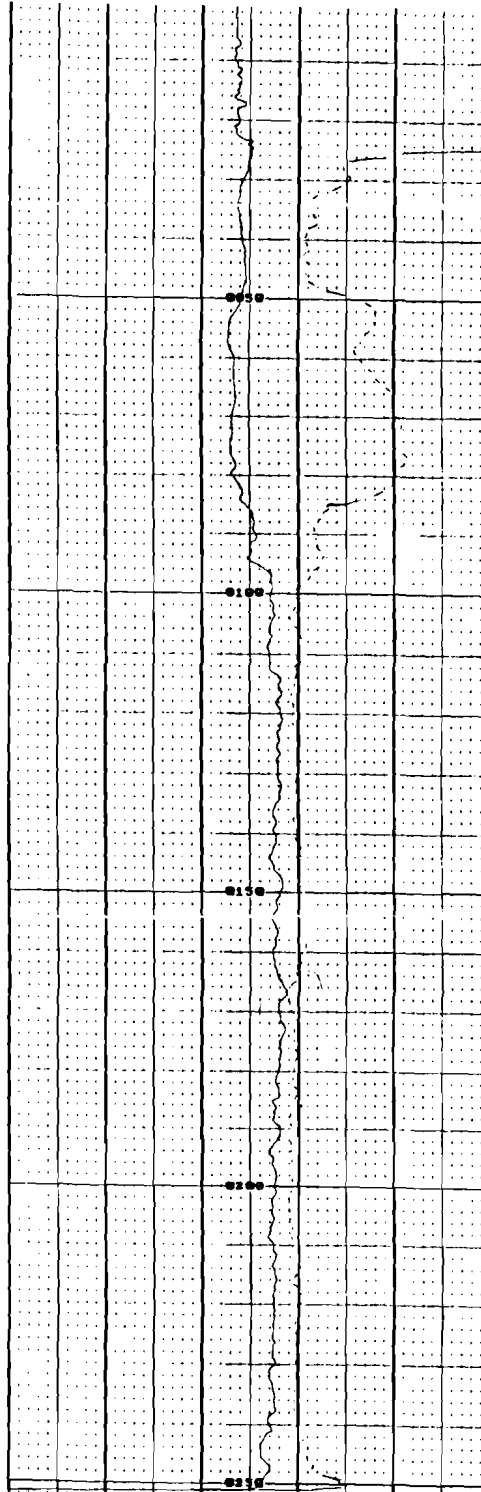
COMPANY: GERAGHY AND MILLER
 HOLE ID: GM-5H 252
 LOCATION: GREAT MECH
 DATE: 2-10-88
 TIME: 1030
 OPERATOR: DJN
 COMMENT1: R SP
 COMMENT2: RUN 2

0	RES X FS	100
0	SP X FS	100



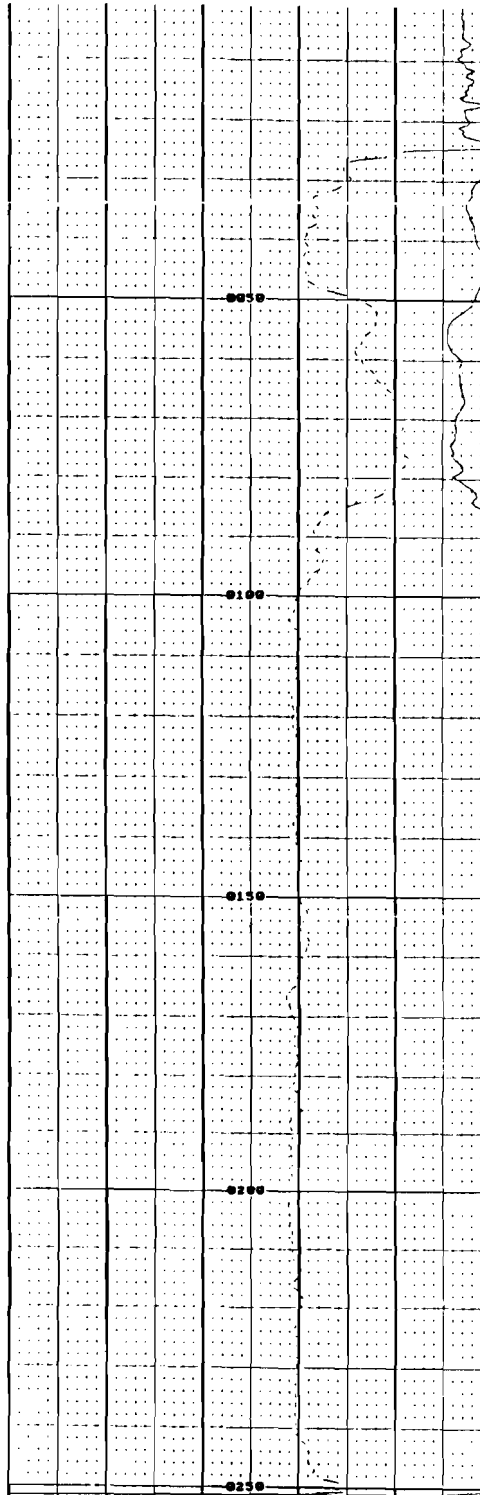
COMPANY: GERRARD AND MILLER
HOLE ID: CH-5M
LOCATION: GREAT NECK
DATE: 2-18-69
TIME: 1930
OPERATOR: DJM
COMMENTS: R SP
COMMENTS: RUN 2

RESID OHMS		
0		1000
SPD MU		
0		2000



COMPANY: WERAGHTY AND MILLER
HOLE ID: GM-5H
LOCATION: GREAT MECK
DATE: 2-10-89
TIME: 1930
OPERATOR: DJM
COMMENT1: R SP
COMMENT2: RUN 1

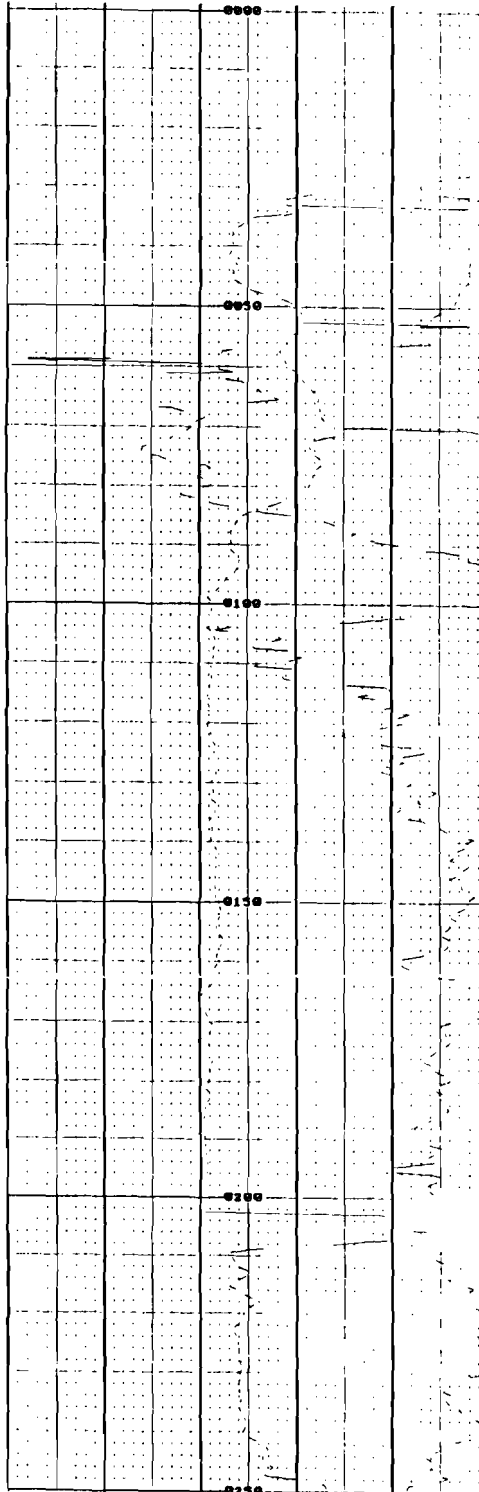
0	RESID OHMS	1000
0	SPD MV	1000



COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-5H
LOCATION: GREAT NECK
DATE: 2-18-69
TIME: 1830
OPERATOR: DJM
COMMENT1: R SP
COMMENT2: RUN 1

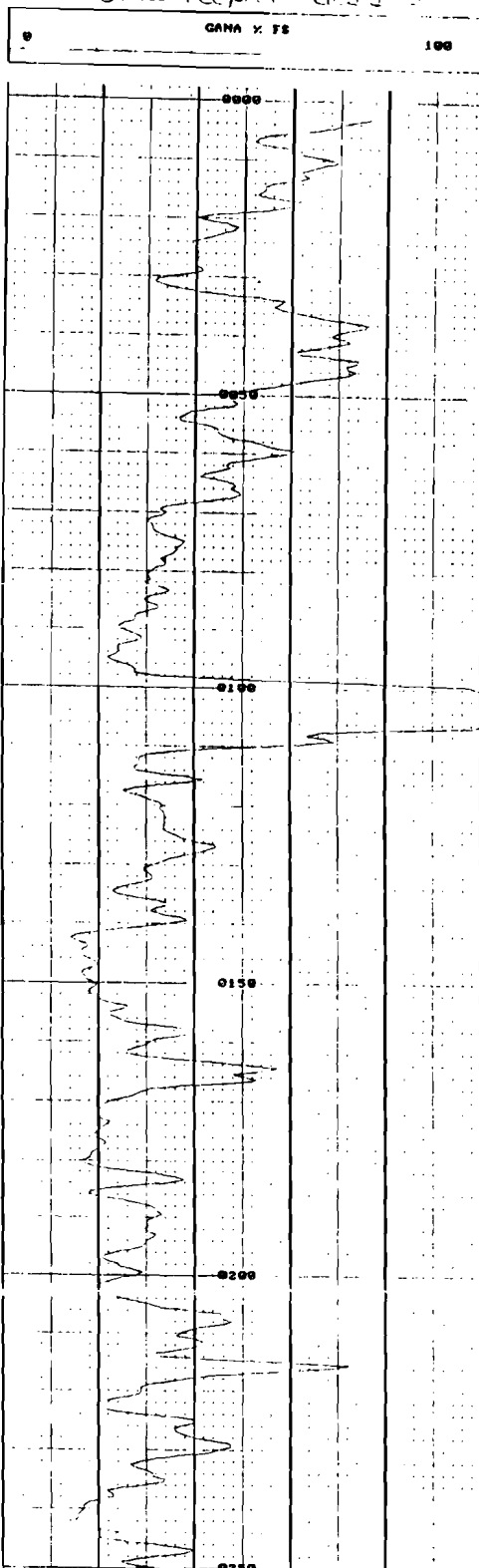
Calibration

0	SP X FS	100
0	RES X FS	100



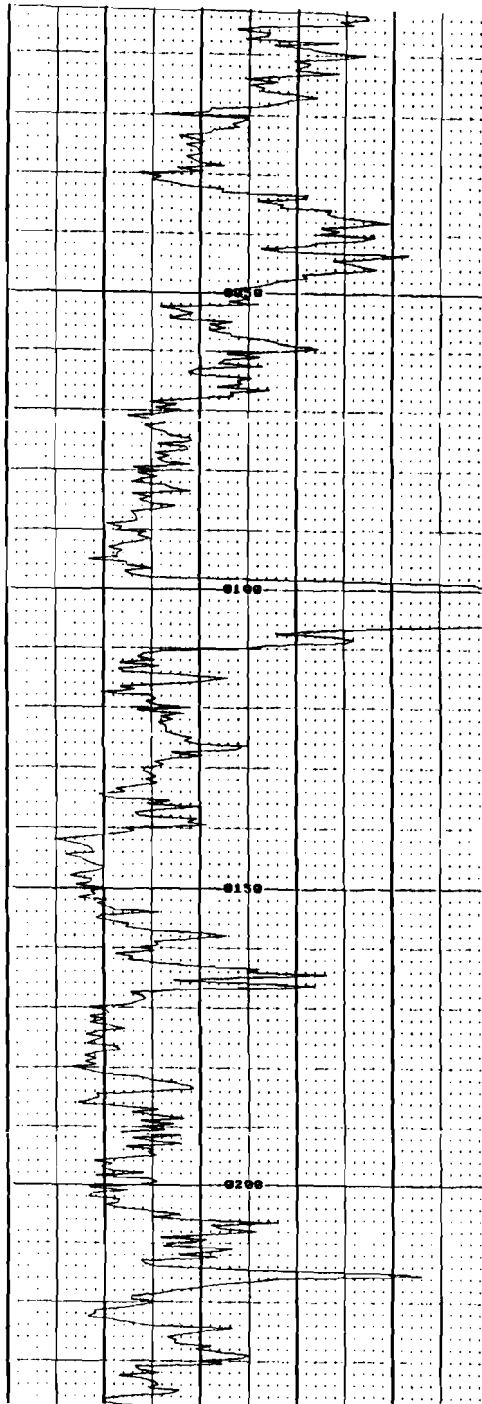
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-5M 10
LOCATION: GREAT NECK
DATE: 2-8-89
TIME: 1030
OPERATOR: TNL
COMMENT1: GAMMA
COMMENT2: 10-.3

Actual depth 1100



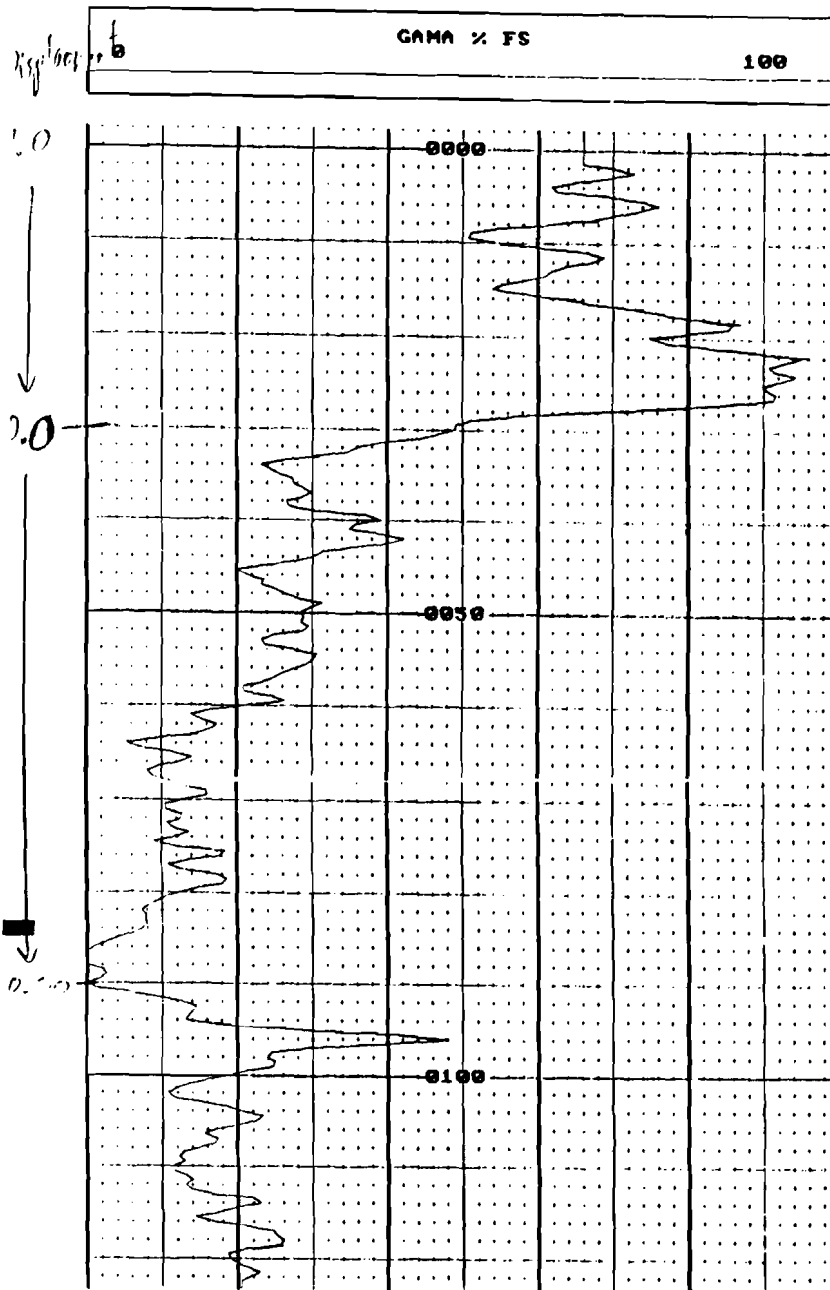
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-5M
LOCATION: GREAT NECK
DATE: 2-8-69
TIME: 1030
OPERATOR: TNL
COMMENT1: GAMMA
COMMENT2: 10-.5

0 GAND CPS 100



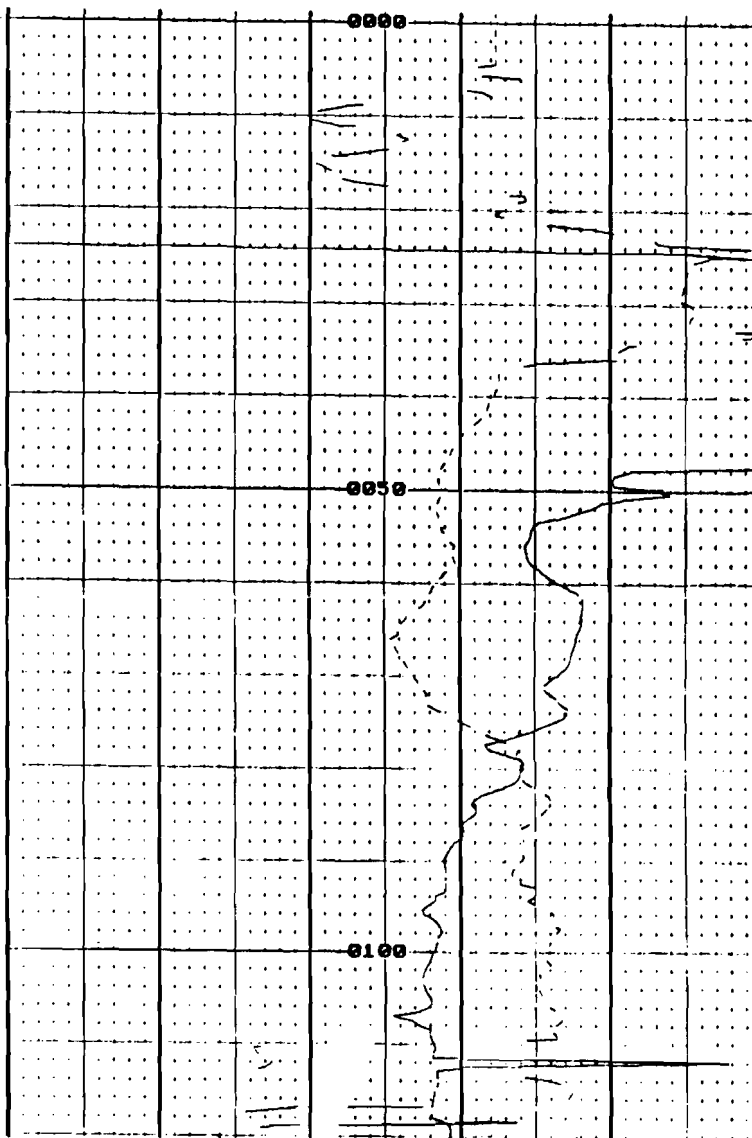
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-6
LOCATION: GREAT NECK
DATE: 2-23-89
TIME: 1400
OPERATOR: TL ME
COMMENT1: GAMMA
COMMENT2: RUN 1

10 g/s



COMPANY: GERAGHTY AND MILLER
 HOLE ID: GM-6
 LOCATION: GREAT NECK
 DATE: 2-23-89
 TIME: 1500
 OPERATOR: TL ME
 COMMENT1: RSP
 COMMENT2: RUN 1

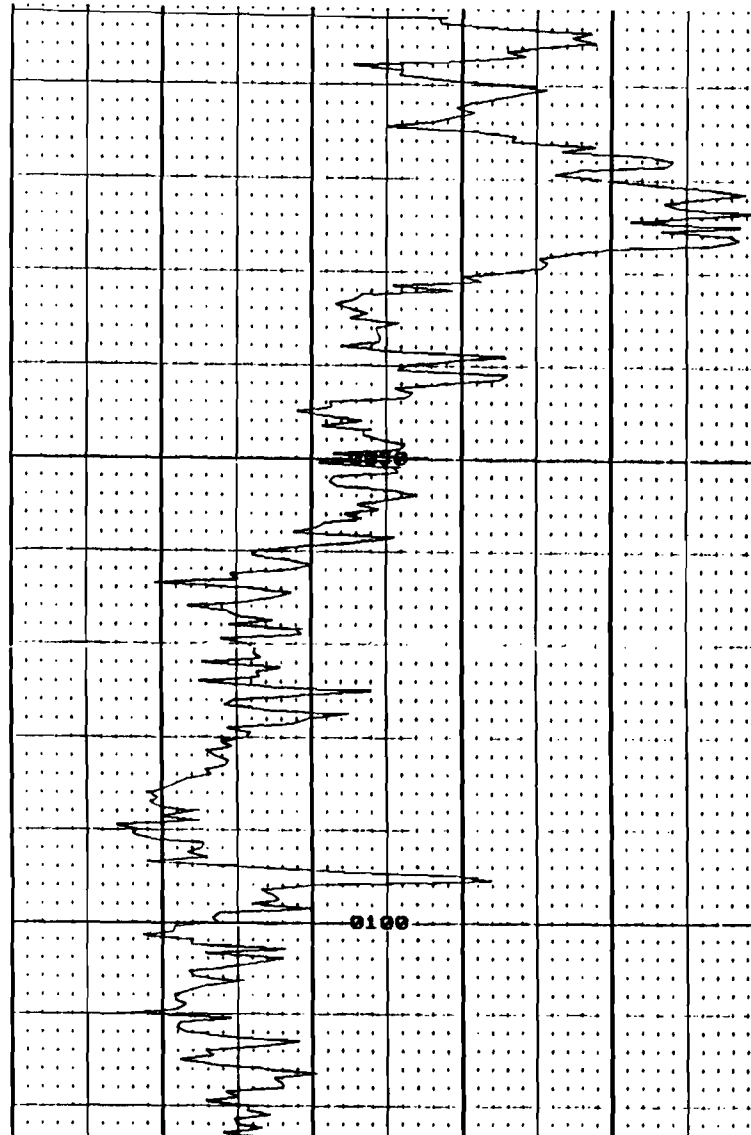
0	SP % FS	100
0	RES % FS	100



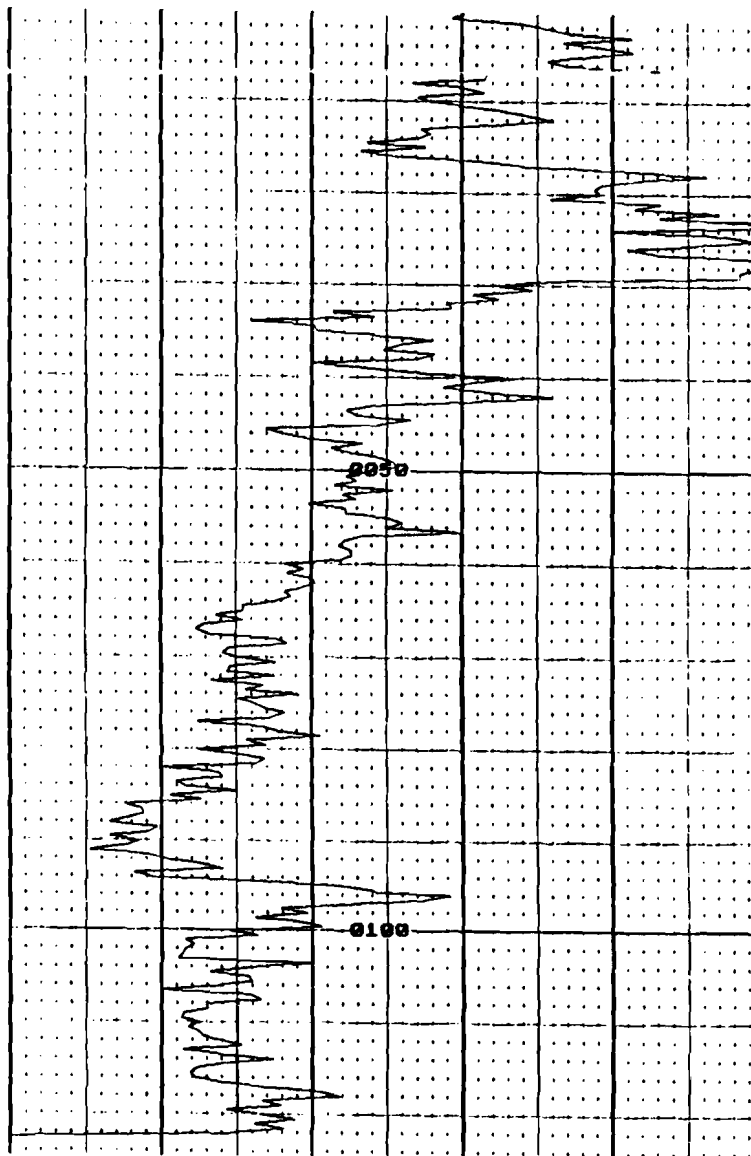
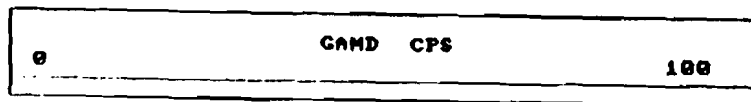
Dig. 1000
 100 μ V/div // 9.0
 50mV/div // 5.0

COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-6
LOCATION: GREAT NECK
DATE: 2-23-89
TIME: 1400
OPERATOR: TL ME
COMMENT1: GAMMA
COMMENT2: RUN 1

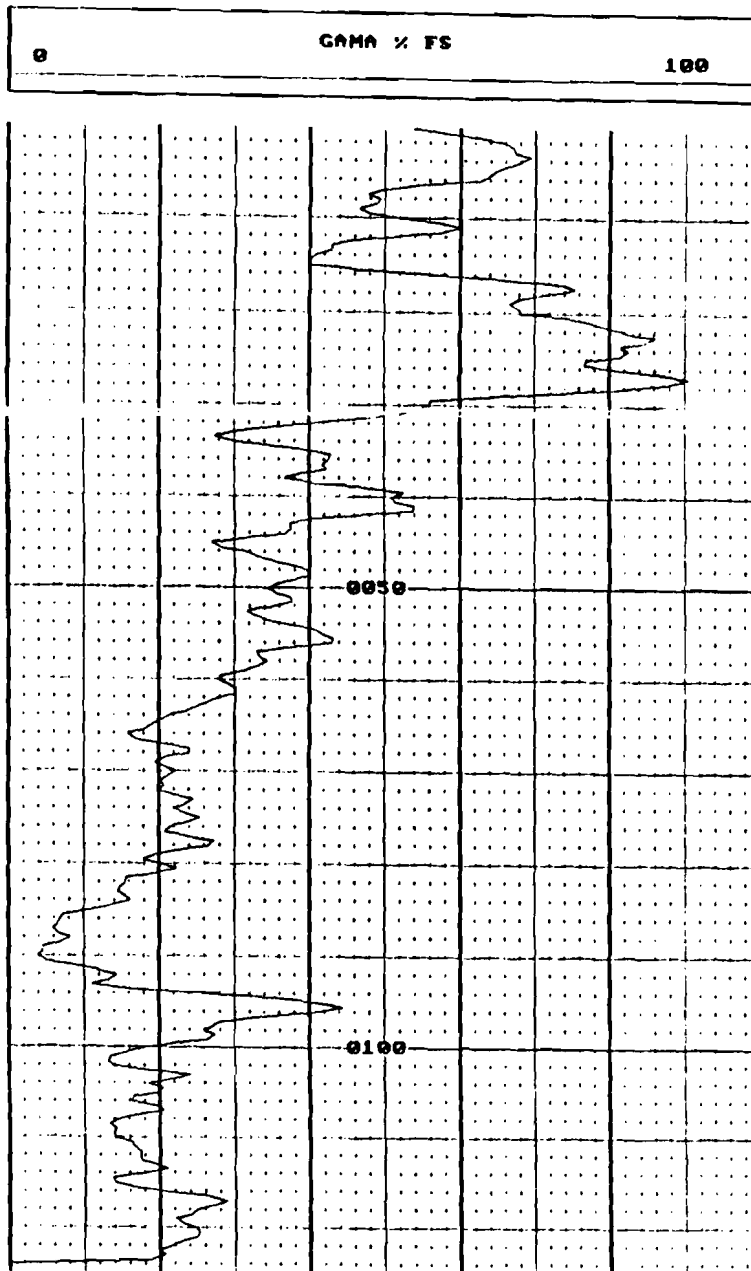
0	GAMD CPS	100
---	----------	-----



COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-6
LOCATION: GREAT NECK
DATE: 2-23-89
TIME: 1430
OPERATOR: TL ME
COMMENT1: GAMMA
COMMENT2: RUN 2



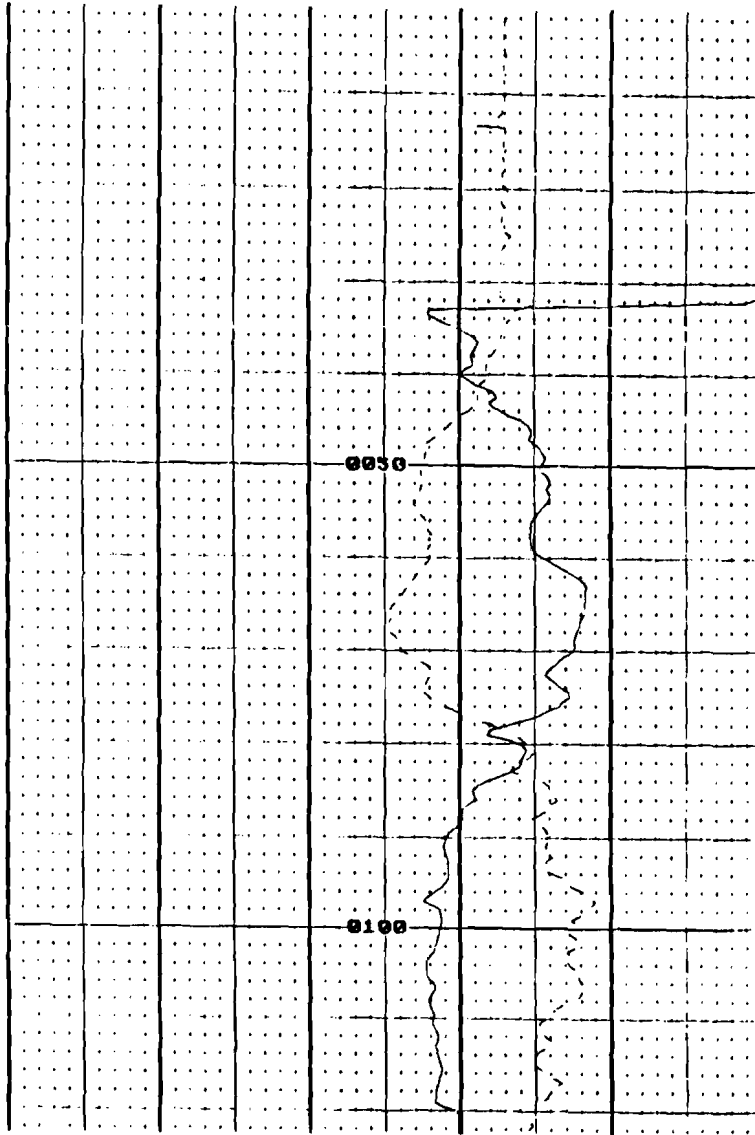
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-6
LOCATION: GREAT NECK
DATE: 2-23-89
TIME: 1430
OPERATOR: TL ME
COMMENT1: GAMMA
COMMENT2: RUN 2



10 cps/div // 0.50

COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-6
LOCATION: GREAT NECK
DATE: 2-23-89
TIME: 1530
OPERATOR: TL ME
COMMENT1: RSP
COMMENT2: RUN 2

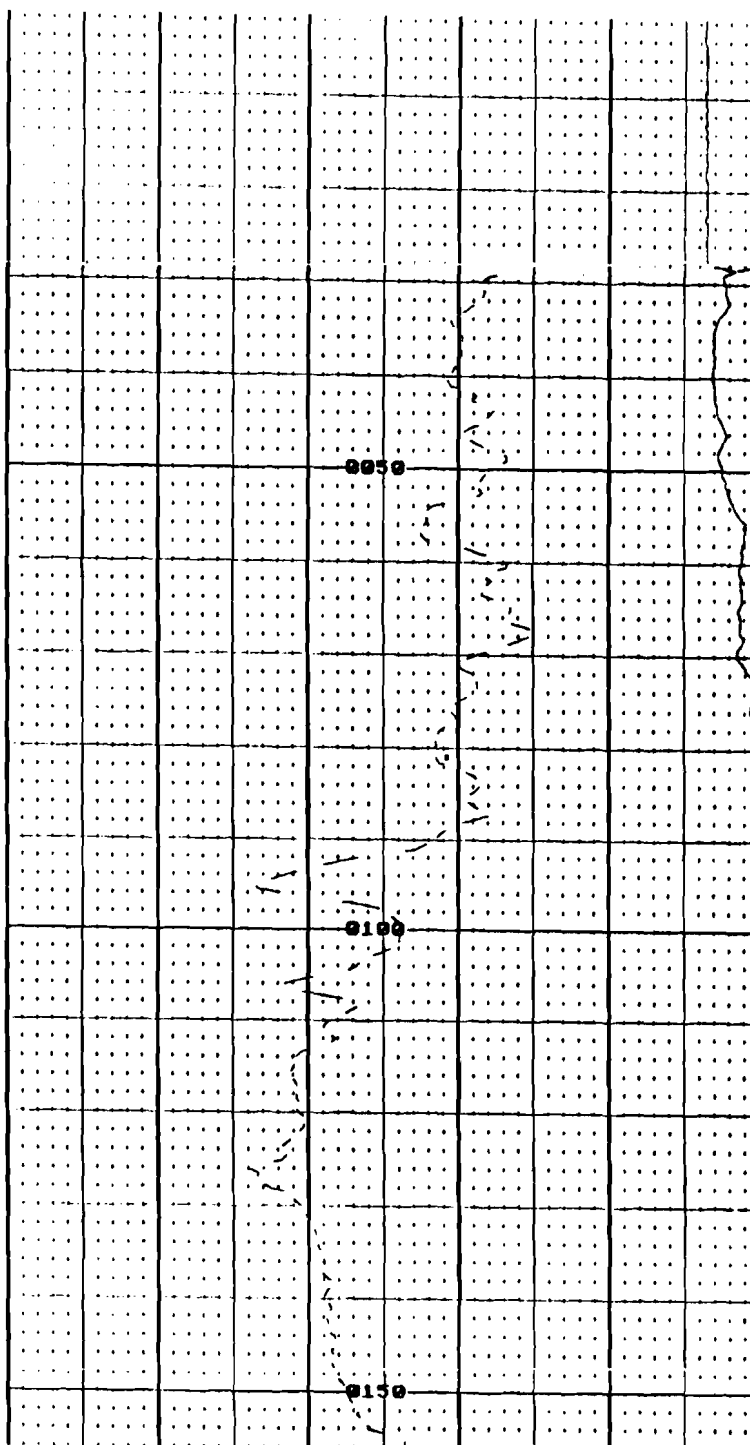
0	RES % FS	100
0	SP % FS	100



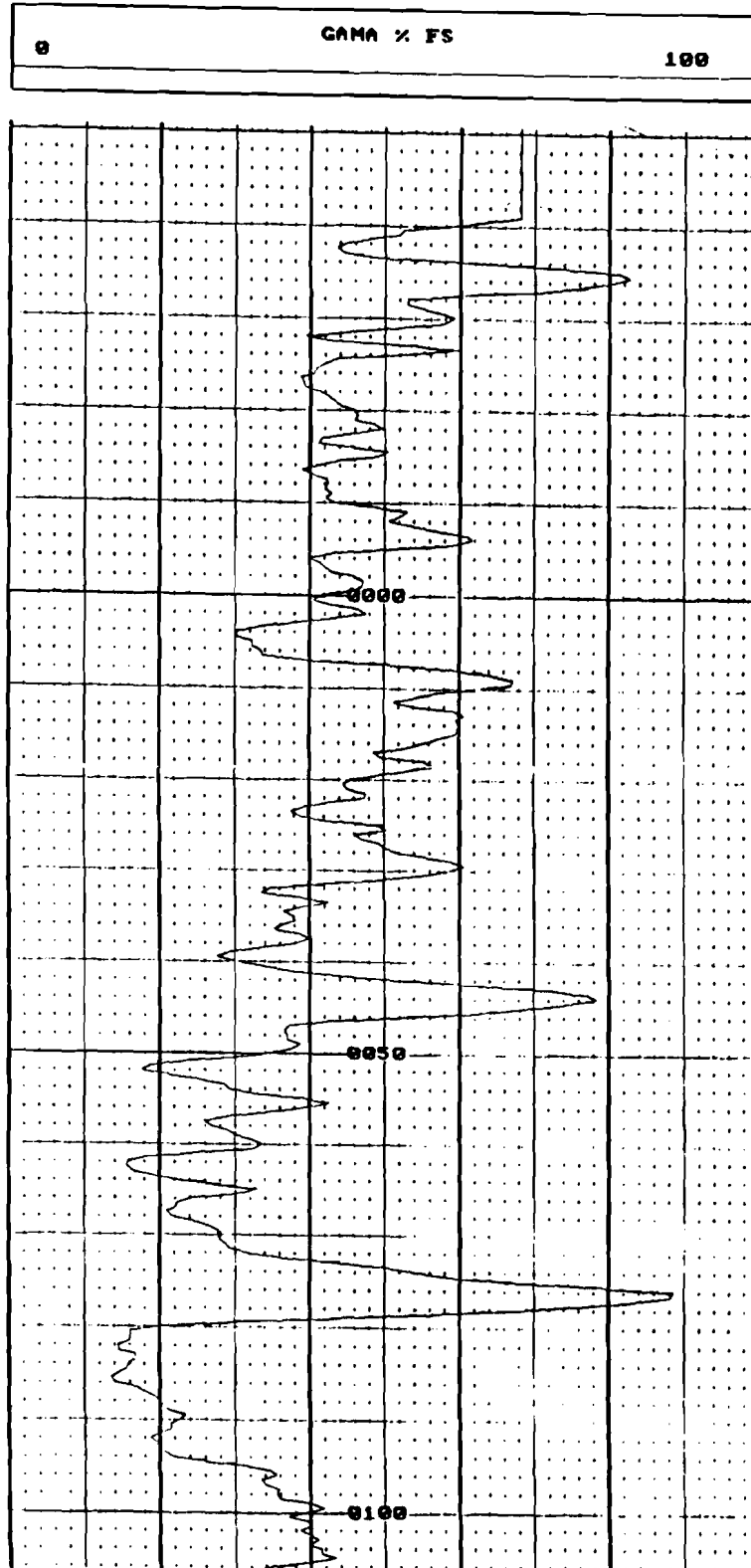
Normally,
r dashed
sp solid

COMPANY: GERAGHTY AND MILLER
 HOLE ID: GM-7
 LOCATION: GREAT NECK NY
 DATE: 3-28-89
 TIME: 1220
 OPERATOR: RE
 COMMENT1: R SP
 COMMENT2: LOG UP

0	RES % FS	100
0	SP % FS	100

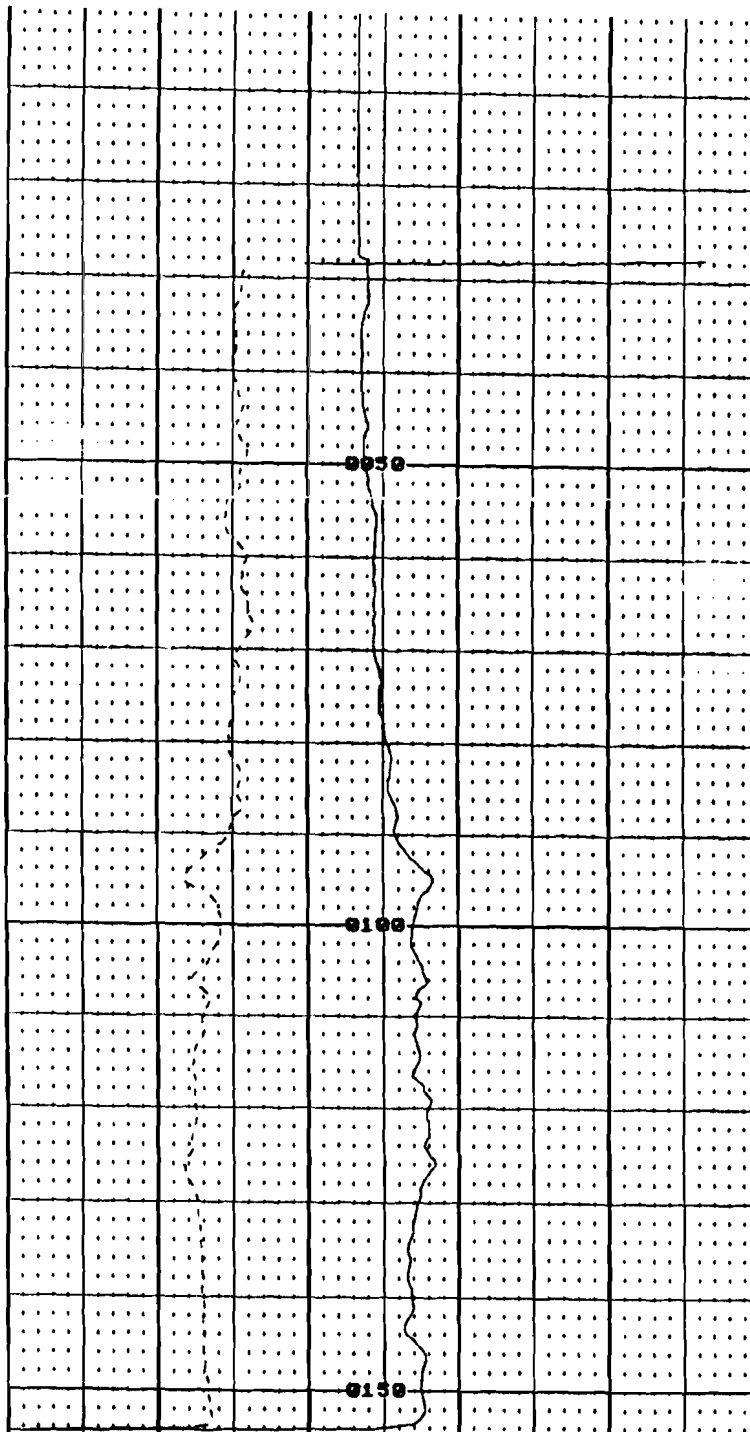


COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-7
LOCATION: GREAT NECK NY
DATE: 3-28-89
TIME: 1138
OPERATOR: RE
COMMENT1: GAMMA
COMMENT2: LOG DOWN



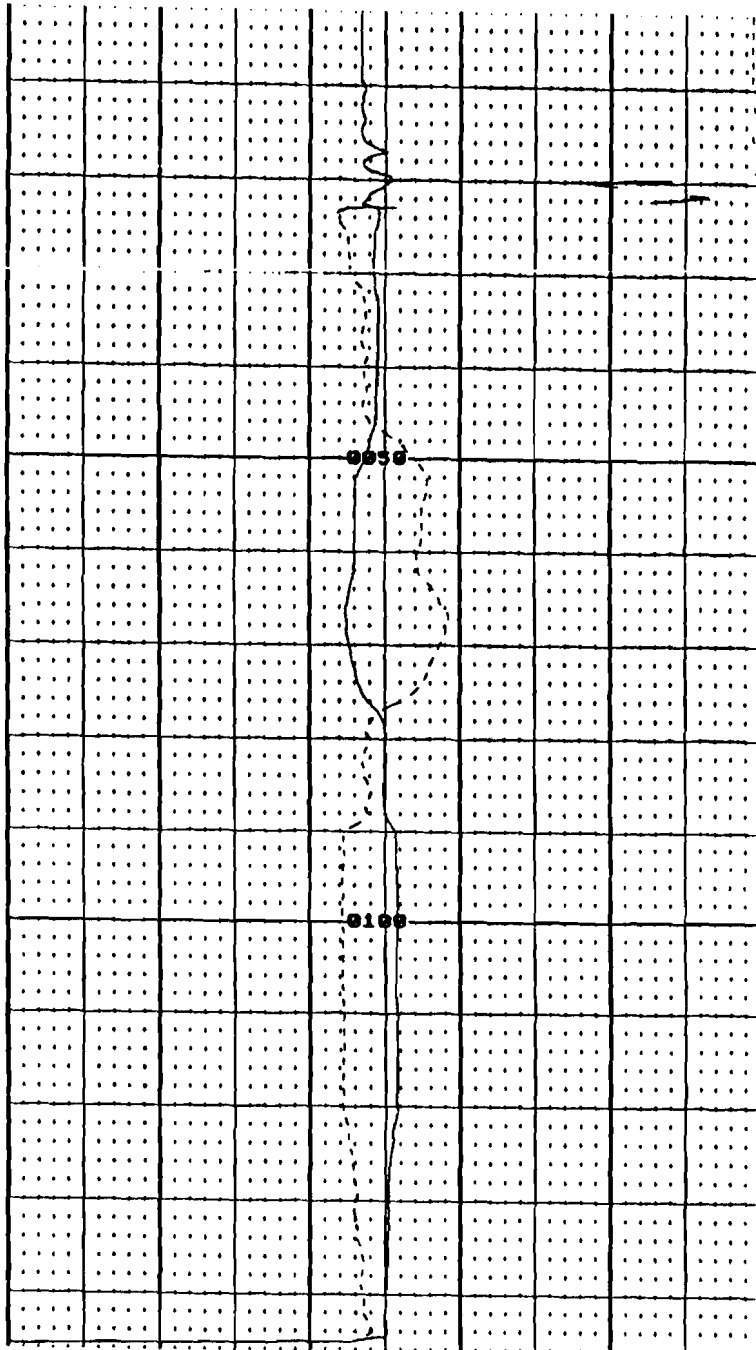
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-7
LOCATION: GREAT NECK NY
DATE: 3-28-89
TIME: 1220
OPERATOR: RE
COMMENT1: R SP
COMMENT2: LOG UP

0	RESD OHMS	2000
0	SPD MU	2000



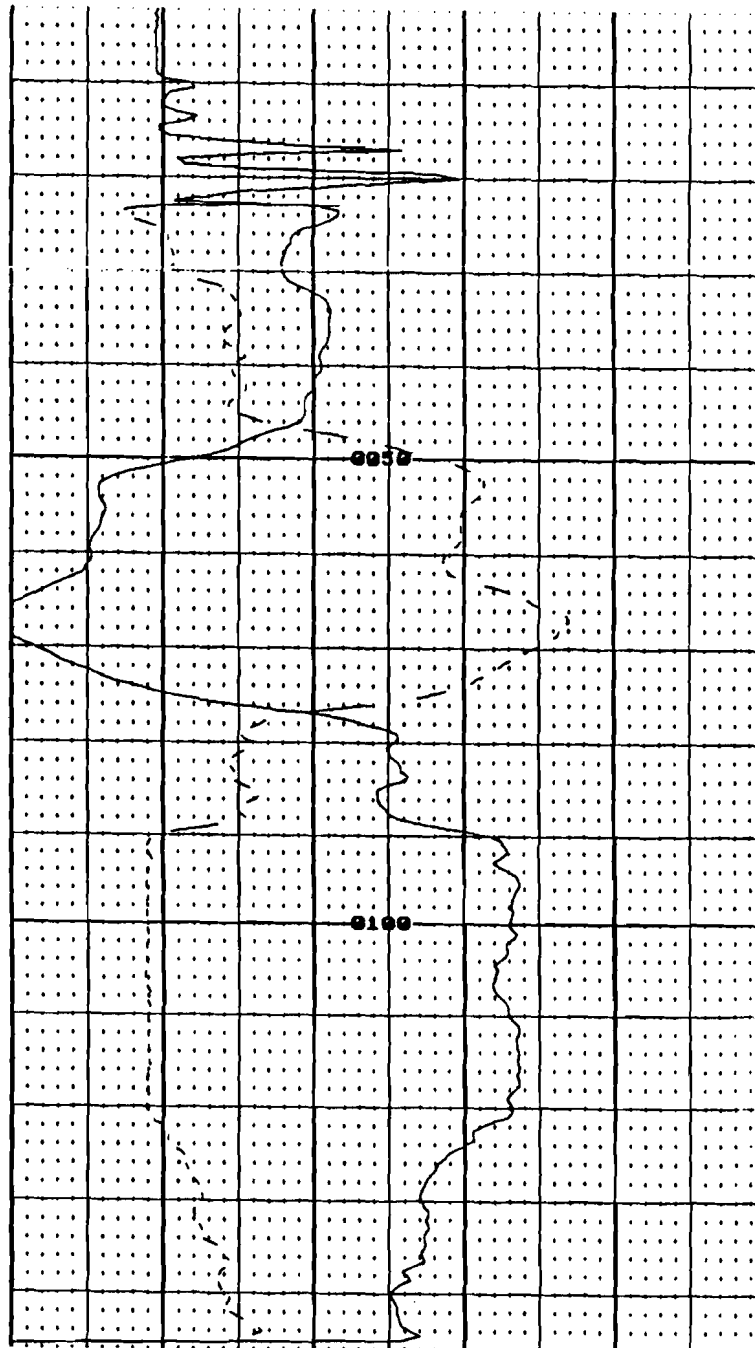
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-8
LOCATION: GREAT NECK
DATE: 4-13-89
TIME: 0830
OPERATOR: RE
COMMENT1: R SP
COMMENT2: LOG UP

0	RESD OHMS	2000
0	SPD MU	2000



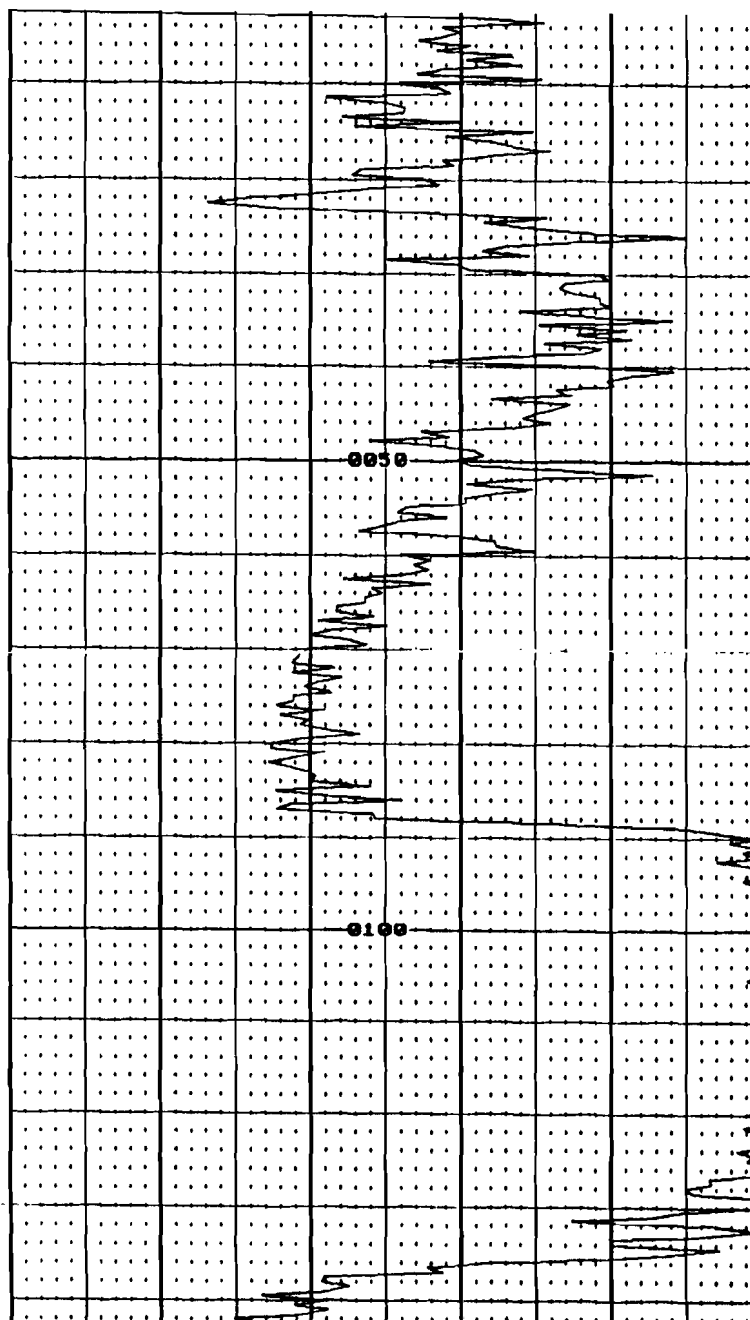
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-8
LOCATION: GREAT NECK
DATE: 4-13-89
TIME: 0830
OPERATOR: RE
COMMENT1: R SP
COMMENT2: LOG UP

800	RESD OHMS	1300
900	SPD MU	1100

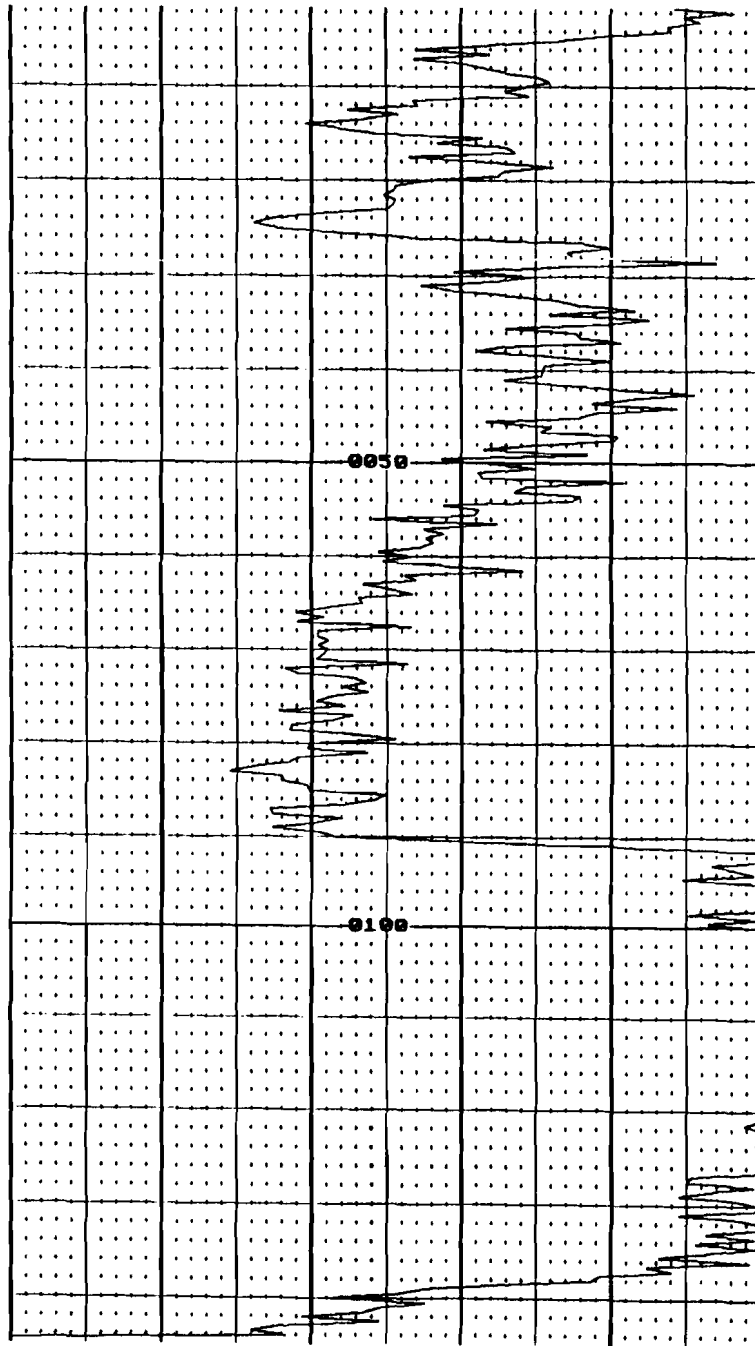


COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-8
LOCATION: GREAT NECK
DATE: 4-13-89
TIME: 0815
OPERATOR: RE
COMMENT1: GAMMA
COMMENT2: LOG DOWN

0	GAMMA CPS	100
---	-----------	-----

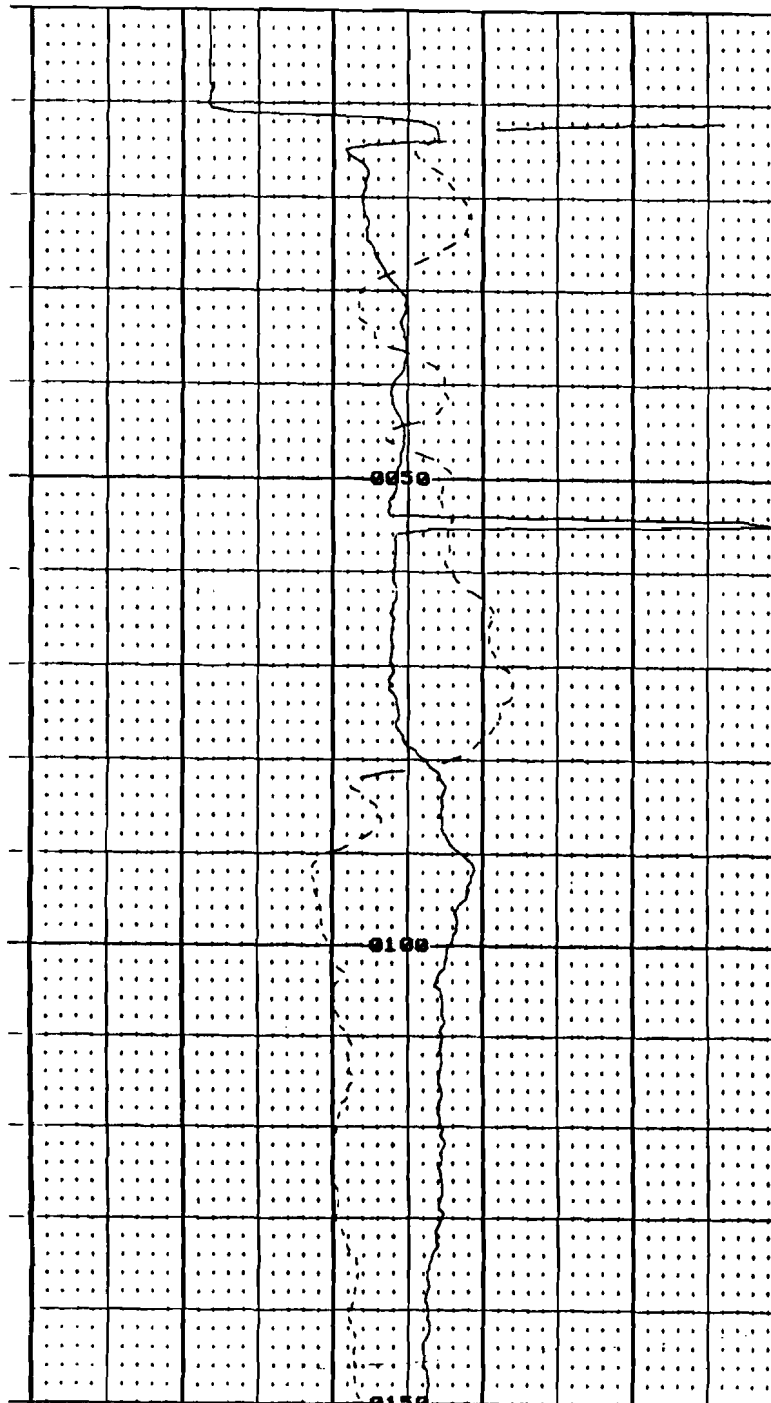


COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-8
LOCATION: GREAT NECK
DATE: 4-13-89
TIME: 0830
OPERATOR: RE
COMMENT1: GAMMA
COMMENT2: LOG UP



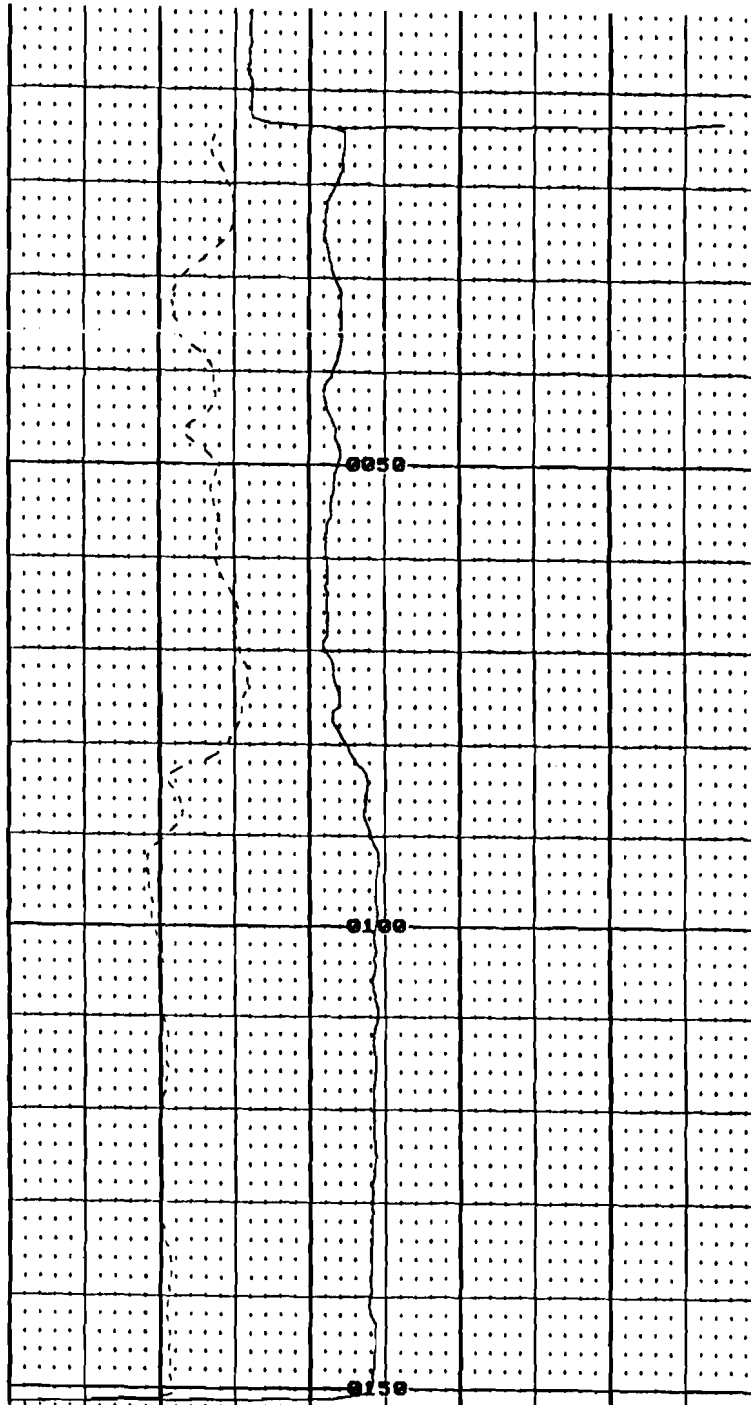
COMPANY: GERAGHTY AND MILLER
 HOLE ID: GM-9
 LOCATION: GREAT NECK NY
 DATE: 4-17-89
 TIME: 1530
 OPERATOR: RE
 COMMENT1: R SP
 COMMENT2: LOG DOWN

0	SP % FS	100
0	RES % FS	100

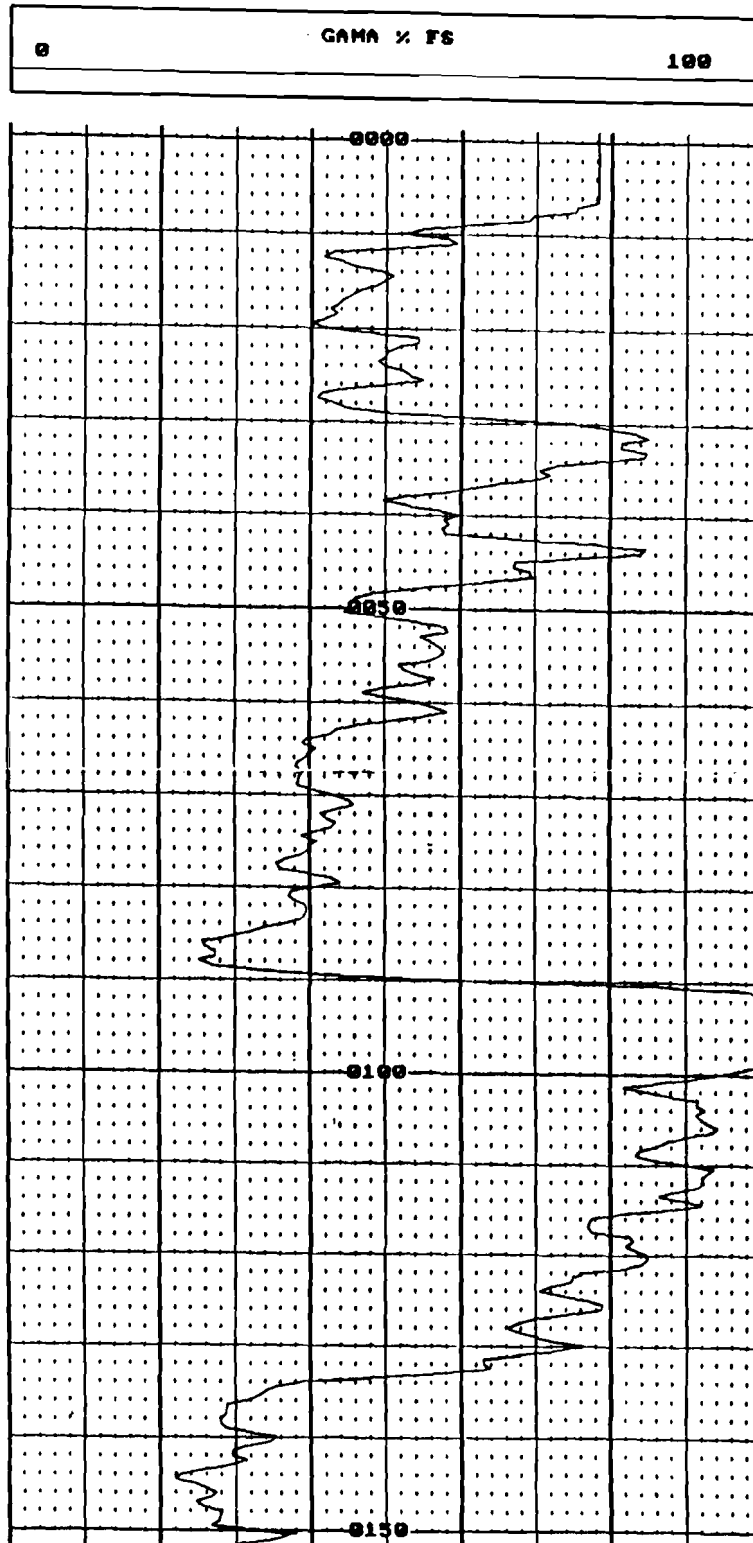


COMPANY: GERAGHTY AND MILLER
 HOLE ID: GM-9
 LOCATION: GREAT NECK NY
 DATE: 4-17-89
 TIME: 1545
 OPERATOR: RE
 COMMENT1: R SP
 COMMENT2: LOG UP

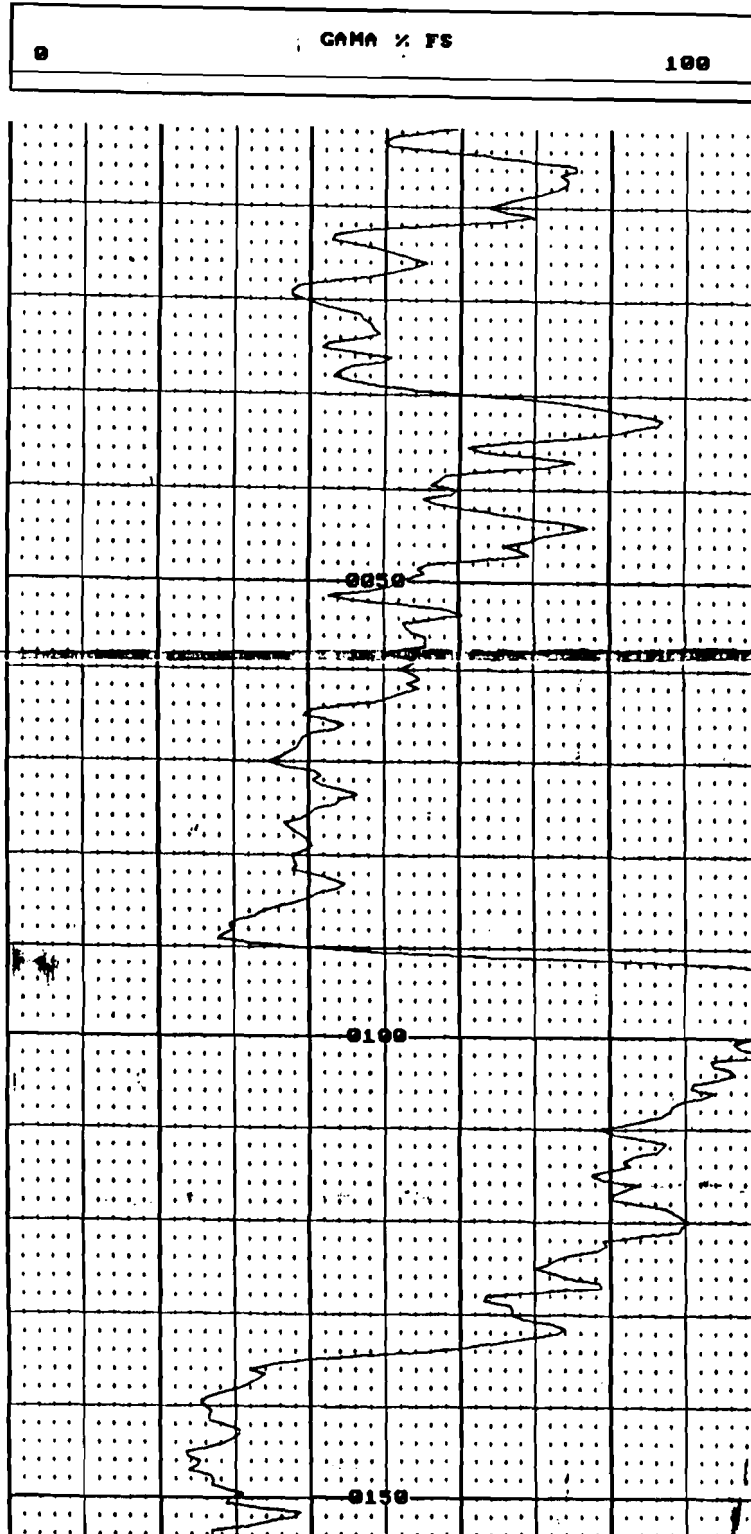
0	RESD OHMS	2000
0	SPD MV	2000



1

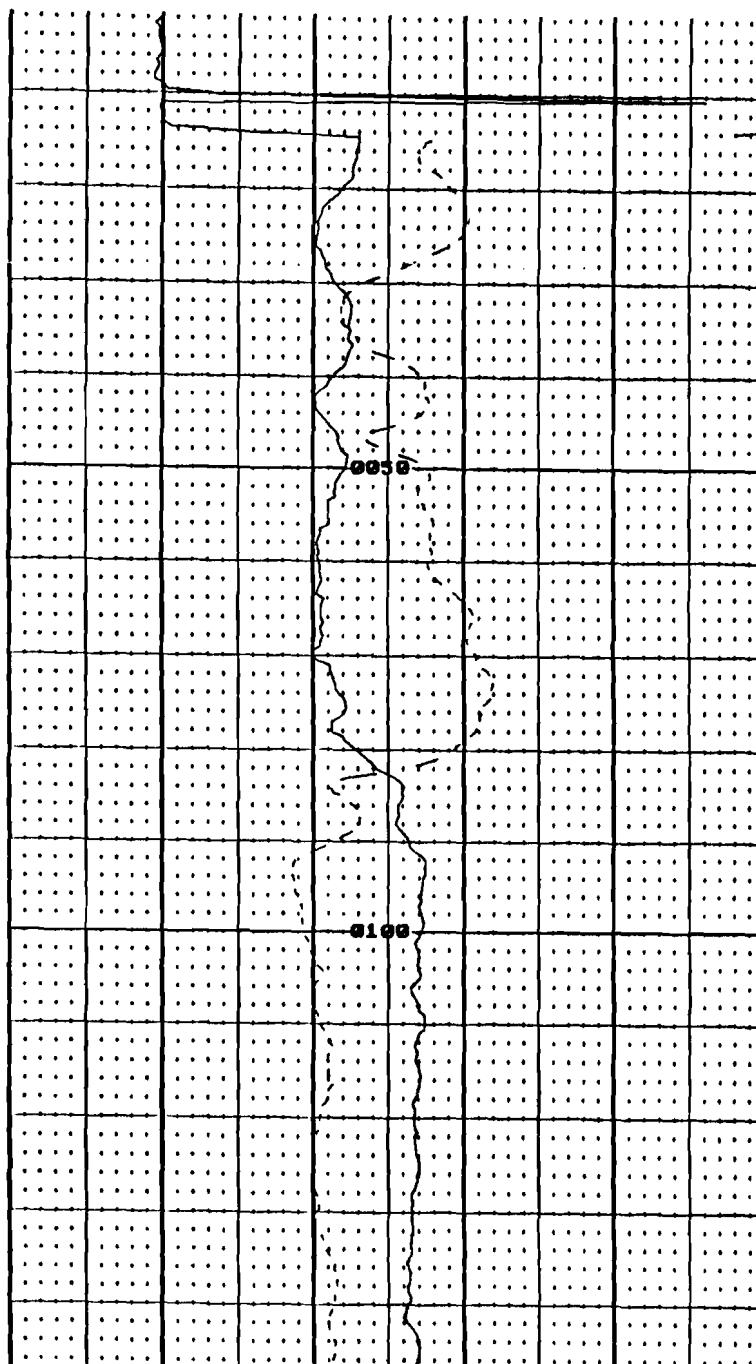


COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-9
LOCATION: GREAT NECK NY
DATE: 4-17-89
TIME: 1515
OPERATOR: RE
COMMENT1: GAMMA
COMMENT2: LOG UP



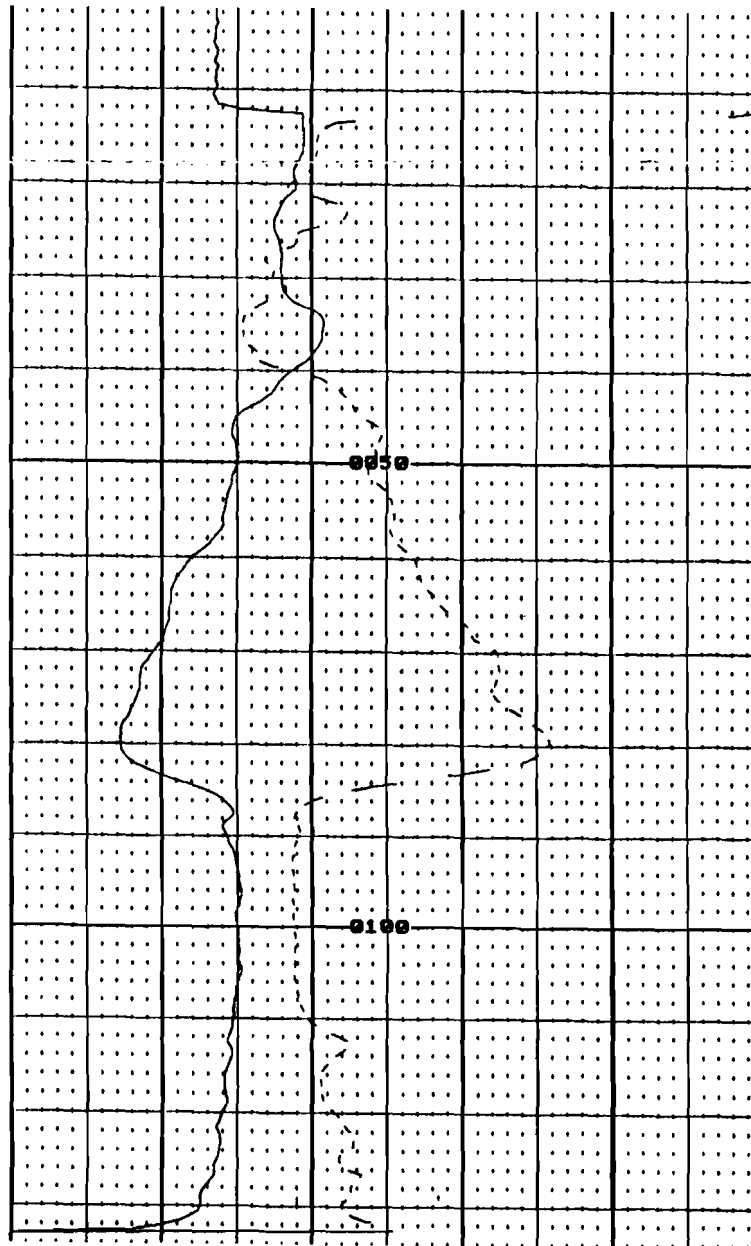
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-9
LOCATION: GREAT NECK NY
DATE: 4-17-89
TIME: 1545
OPERATOR: RE
COMMENT1: R SP
COMMENT2: LOG UP

0	RES % FS	100
0	SP % FS	100



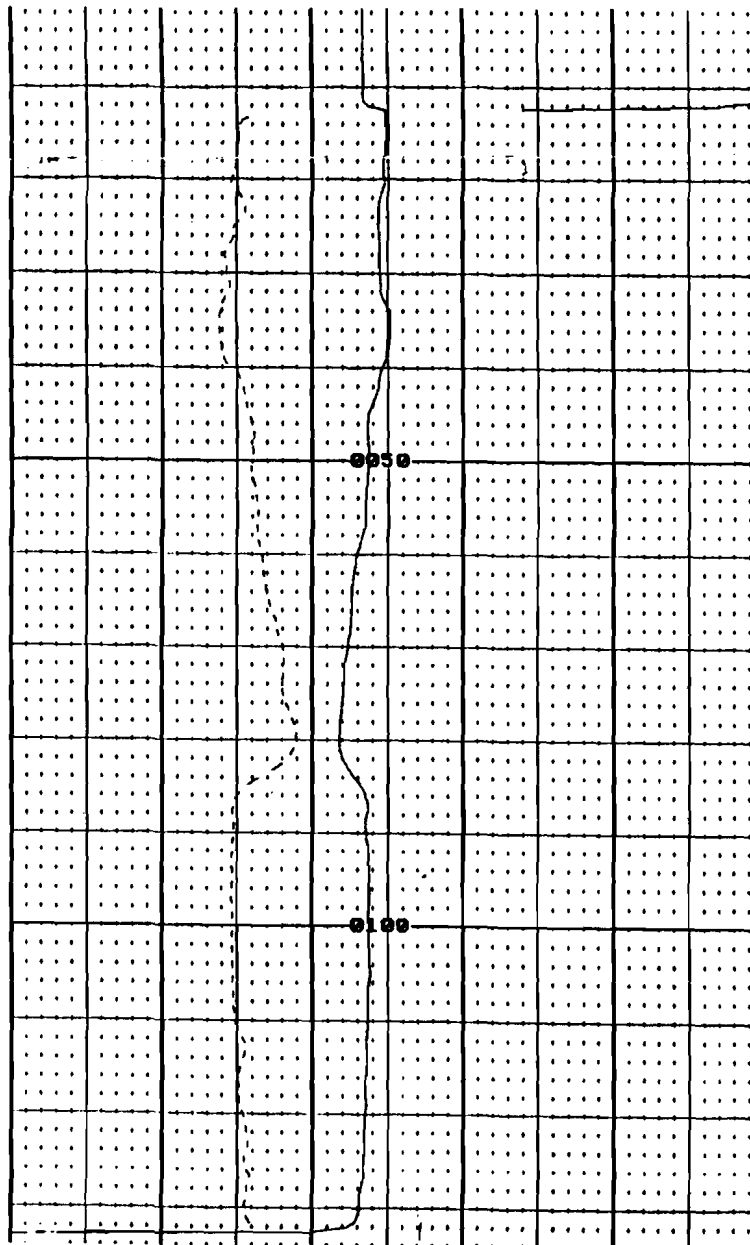
COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-10
LOCATION: GREAT NECK NY
DATE: 4-21-89
TIME: 1345
OPERATOR: RE
COMMENT1: R SP
COMMENT2: LOG UP

RESD OHMS		
400		900
SPD MU		
800		1300



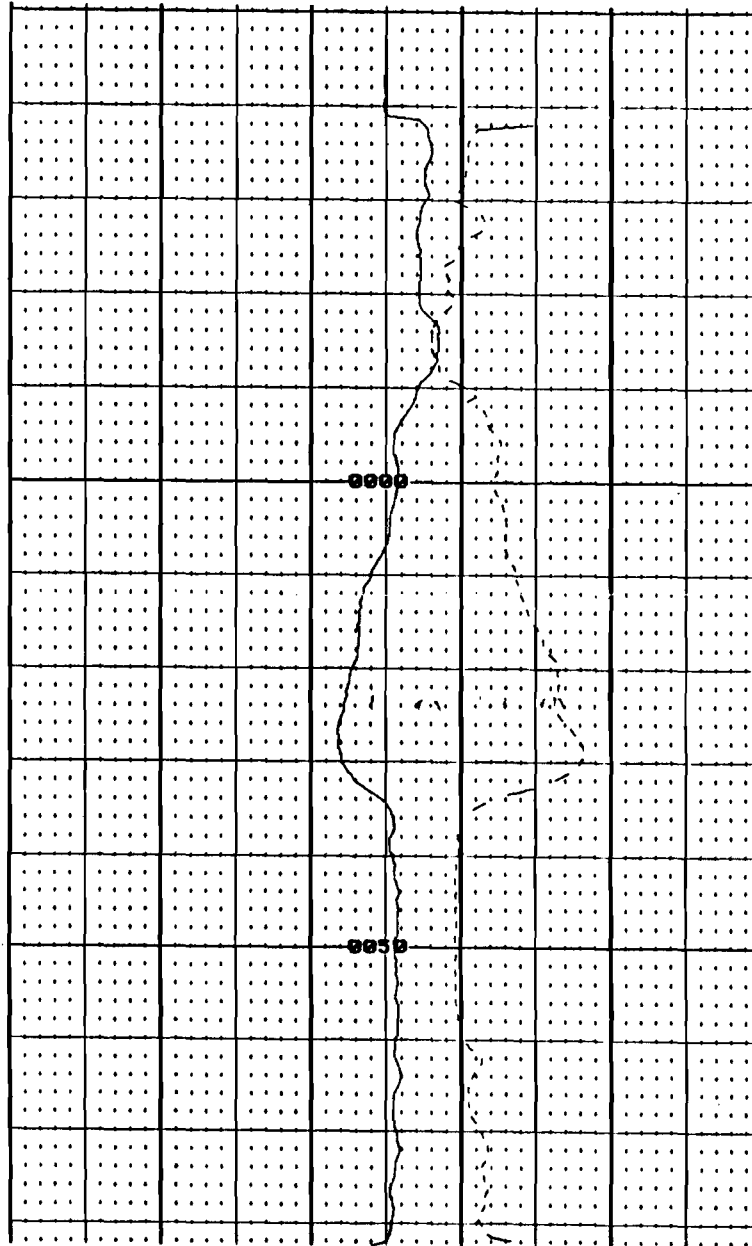
COMPANY: GERAGHTY AND MILLER
 HOLE ID: GM-10
 LOCATION: GREAT NECK NY
 DATE: 4-21-89
 TIME: 1345
 OPERATOR: RE
 COMMENT1: R SP
 COMMENT2: LOG UP

0	RESD OHMS	2000
0	SPD MU	2000

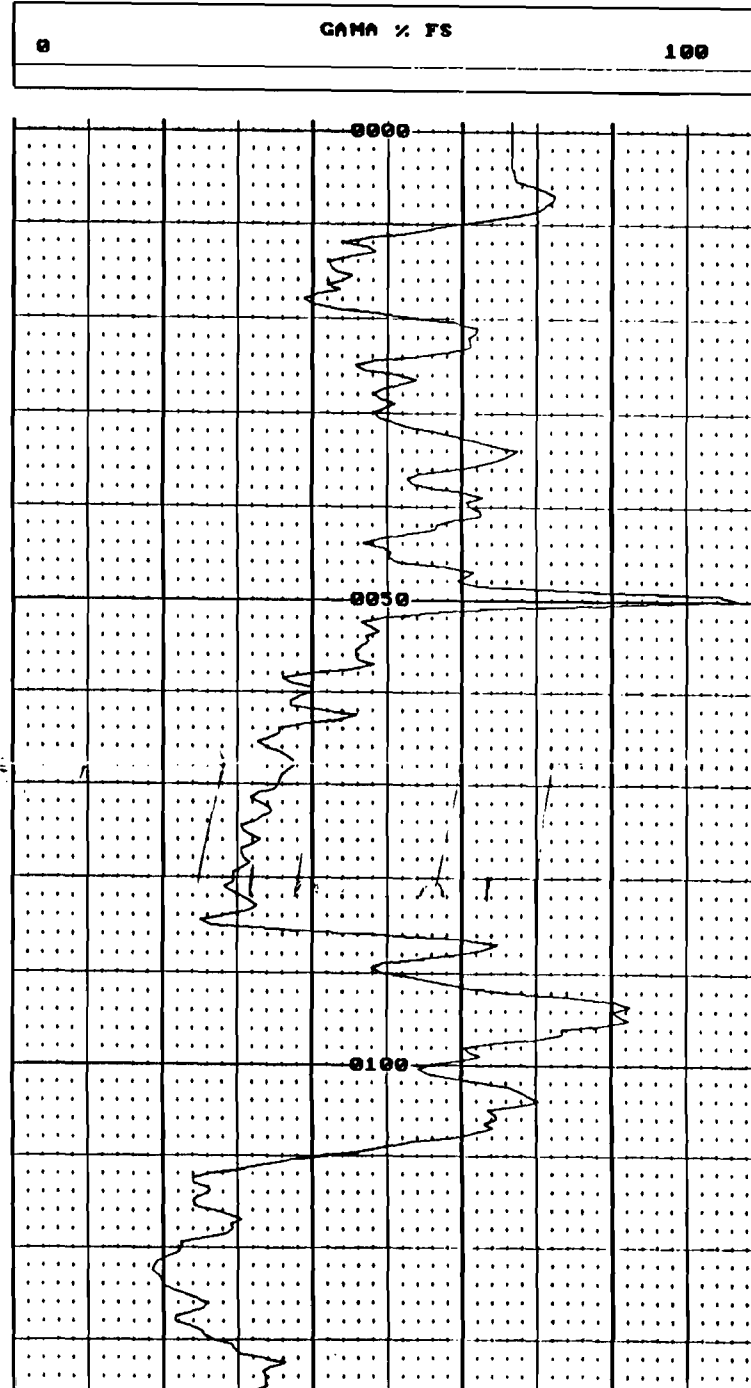


COMPANY: GERAGHTY AND MILLER
 HOLE ID: GM-10
 LOCATION: GREAT NECK NY
 DATE: 4-21-89
 TIME: 1330
 OPERATOR: RE
 COMMENT1: R SP
 COMMENT2: LOG DOWN

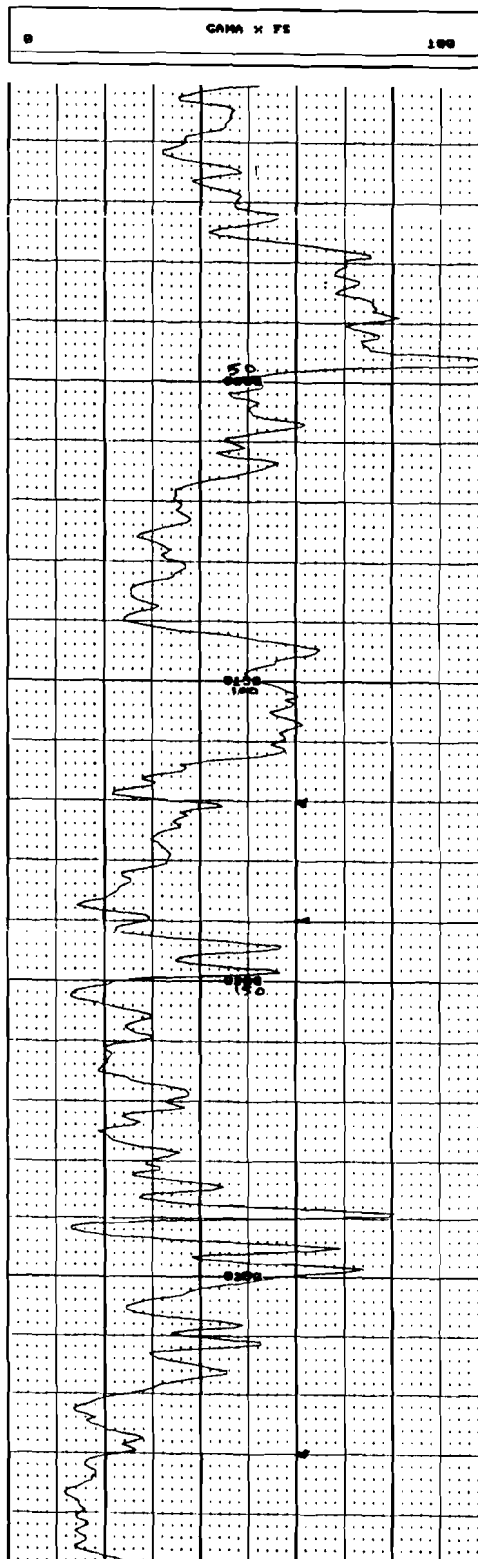
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0	RES % FS	100



COMPANY: GERAGHTY AND MILLER
HOLE ID: GM-10
LOCATION: GREAT NECK NY
DATE: 4-21-89
TIME: 1300
OPERATOR: RE
COMMENT1: GAMMA
COMMENT2: LOG DOWN

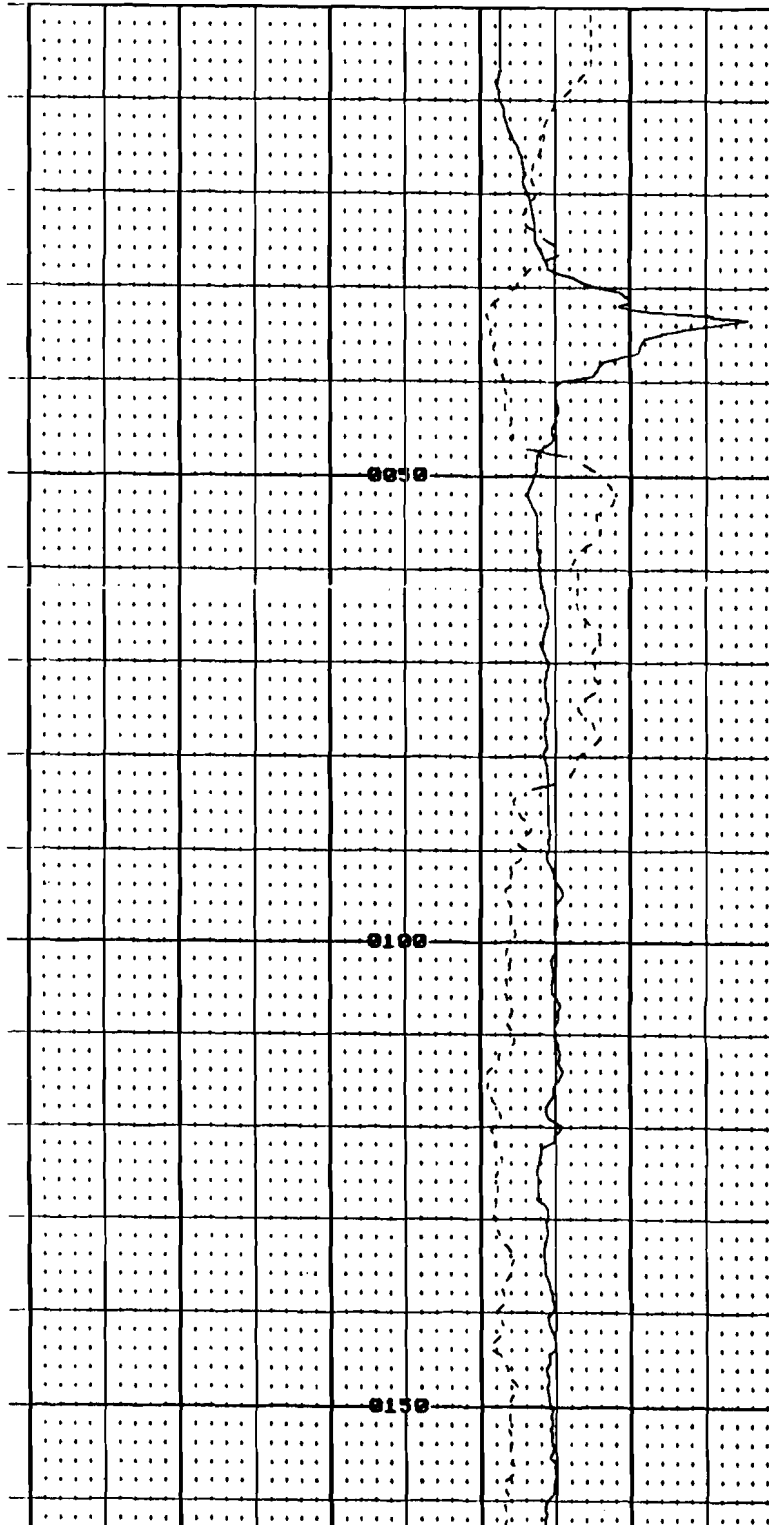


COMPANY: GERAGHTY AND MILLER
HOLE ID: GN-11M
LOCATION: GREAT NECK NY
DATE: 4-20-89
TIME: 1320
OPERATOR: TNL
COMMENT1: GAMMA
COMMENT2: LOG UP



COMPANY: GERAGHTY AND MILLER
 HOLE ID: GM-11M
 LOCATION: GREAT NECK NY
 DATE: 4-28-89
 TIME: 1345
 OPERATOR: INL
 COMMENT1: R SP
 COMMENT2: LOG DOWN

0	SP % FS	100
0	RES % FS	100



APPENDIX I

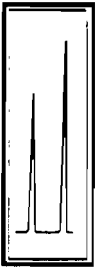
TRACER SOIL GAS SURVEY



Tracer Research Corporation

**SHALLOW SOIL GAS INVESTIGATION
UNISYS CORPORATION
GREAT NECK FACILITY
GREAT NECK, NEW YORK**

SEPTEMBER 1989



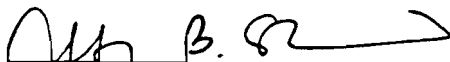
PREPARED FOR:

**Unisys Corporation
3199 Pilot Knob Road, MS F3B05
Eagan, Minnesota 55121**

**SHALLOW SOIL GAS INVESTIGATION
UNISYS CORPORATION
GREAT NECK FACILITY
GREAT NECK, NEW YORK**

SEPTEMBER 1989

SUBMITTED BY:

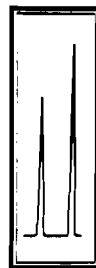

Tracer Research Corporation

**I-200-89-SG
UNYSGNY.REP**



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INTRODUCTION

A shallow soil gas investigation was performed by Tracer Research Corporation (TRC) at the Unisys Corporations Great Neck Facility in Great Neck, New York. The investigation was conducted on September 25 to 27, 1989 under contract to Unisys Corporation. The purpose of the investigation was to delineate and investigate possible source areas of any volatile organic compounds (VOCs) in the subsurface.

During this survey, a total of 43 soil gas samples were collected at 18 locations and analyzed in the field. Samples were analyzed for the following compounds:

- trans-1,2-dichloroethene
- cis-1,2-dichloroethene
- trichloroethene
- tetrachloroethene

The compounds in this suite were chosen as target compounds based on their possible presence in the subsurface and because of their amenability to soil gas detection.

Soil gas samples were screened on the electron capture detector (ECD).

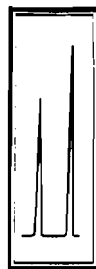


SHALLOW SOIL GAS INVESTIGATION - METHODOLOGY

Shallow soil gas investigation refers to a method developed by TRC for investigating underground contamination from volatile organic chemicals (VOCs) such as industrial solvents, cleaning fluids and petroleum products by looking for their vapors in the shallow soil gas. The method involves pumping a small amount of soil gas out of the ground through a hollow probe driven into the ground and analyzing the gas for the presence of volatile contaminants. The presence of VOCs in shallow soil gas indicates the observed compounds may either be in the vadose zone near the probe or in groundwater below the probe. The soil gas technology is most effective in mapping low molecular weight halogenated solvent chemicals and petroleum hydrocarbons possessing high vapor pressures and low aqueous solubilities. These compounds readily partition out of the groundwater and into the soil gas as a result of their high gas/liquid partitioning coefficients. Once in the soil gas, VOCs diffuse vertically and horizontally through the soil to the ground surface where they dissipate into the atmosphere. The contamination acts as a source and the above ground atmosphere acts as a sink, and typically a concentration gradient develops between the two. The concentration gradient in soil gas between the source and ground surface may be locally distorted by hydrologic and geologic anomalies (e.g. clays, perched water); however, soil gas mapping generally remains effective because distribution of the contamination is usually broader in areal extent than the local geologic barriers and is defined using a large data base. The presence of geologic obstructions on a small scale tends to create anomalies in the soil gas-groundwater correlation, but generally does not obscure the broader areal picture of the contaminant distribution.

EQUIPMENT

Tracer Research Corporation utilized a one ton Ford analytical field van that was equipped with one gas chromatograph and two Spectra Physics SP4270 computing integrators. In addition, the van has two built-in gasoline powered generators that provide the electrical power (110 volts AC) to operate all of the gas chromatographic instruments and field equipment. A specialized hydraulic mechanism consisting of two cylinders and



a set of jaws was used to drive and withdraw the sampling probes. A hydraulic hammer was used to assist in driving probes past cobbles and through unusually hard soil.

SAMPLING PROCEDURES

Sampling probes consist of 7 and 14 foot lengths of 3/4 inch diameter hollow steel pipe that are fitted with detachable drive points. Soil gas samples were collected by driving the steel probe to a depth no deeper than 12 feet into the ground. Once inserted into the ground, the above-ground end of the sampling probes were fitted with a steel reducer and a length of polyethylene tubing leading to a vacuum pump. To adequately purge the volume of air within the probe, 2 to 5 liters of gas were evacuated with a vacuum pump. During the soil gas evacuation, samples were collected in a glass syringe by inserting a syringe needle through a silicone rubber segment in the evacuation line and down into the steel probe. Ten milliliters of gas were collected for immediate analysis in the TRC analytical field van. Soil gas was subsampled (duplicate injections) in volumes ranging from 1 μ L to 2 mL, depending on the VOC concentration at any particular location.

ANALYTICAL PROCEDURES

A Varian 3300 gas chromatograph, equipped with a electron capture detector (ECD) was used for the analyses of cis-DCE, trans-DCE, TCE and PCE. Compounds were separated on a 6' by 1/8" OD packed column with OV-101 as the stationary phase. Nitrogen was used as the carrier gas.

Halocarbons detected in soil gas were identified by chromatographic retention time. Quantification of compounds was achieved by comparison of the detector response of the sample with the response measured for calibration standards (external standardization). Instrument calibration checks were run periodically throughout the day as were system blanks to check for contamination in the soil gas sampling equipment. Air samples were also routinely analyzed to check for background levels in the atmosphere.

Detection limits for the compounds of interest are a function of the injection volume as well as the detector sensitivity for individual compounds. Thus, the detection limit varies



with the sample size. Generally, the larger the injection size the greater the sensitivity. However, peaks for compounds of interest must be kept within the linear range of the analytical equipment. If any compound has a high concentration, it is necessary to use small injections, and in some cases to dilute the sample to keep it within linear range. This may cause decreased detection limits for other compounds in the analyses.

The detection limits range down to approximately 0.02 ug/L for compounds such as the DCEs and down to 0.0002 ug/L for TCE and PCE depending on the conditions of the measurement, in particular, the sample size. If any component being analyzed is not detected, the detection limit for that compound in that analysis is given as a "less than" value (e.g. <0.0002 ug/L). Detection limits obtained from GC analyses are calculated from the current response factor, the sample size, and the estimated minimum peak size (area) that would have been visible under the conditions of the measurement.

QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

Tracer Research Corporation's normal quality assurance procedures were followed in order to prevent any cross-contamination of soil gas samples.

- . Steel probes are used only once during the day and then washed with high pressure soap and hot water spray or steam-cleaned to eliminate the possibility of cross-contamination. Enough probes are carried on each van to avoid the need to reuse any during the day.
- . Probe adaptors (steel reducer and tubing) are used once during the course of the day and cleaned at the end of each working day by baking in the GC oven. The tubing is replaced periodically as needed during the job to insure cleanliness and good fit.
- . Silicone tubing (connecting the adaptor to the vacuum pump) is replaced as needed to insure proper sealing around the syringe needle. This tubing does not directly contact soil gas samples.
- . Glass syringes are usually used for only one sample per day and are washed and baked out at night. If they must be used twice, they are purged



with carrier gas (nitrogen) and baked out between probe samplings.

- Septa through which soil gas samples are injected into the chromatograph are replaced on a daily basis to prevent possible gas leaks from the chromatographic column.

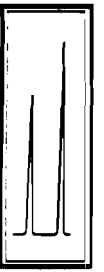
- Analytical instruments were calibrated each day by analytical standards from Chem Service, Inc. Calibration checks are also run after approximately every five soil gas sampling locations.

- 2 cc subsampling syringes are checked for contamination prior to sampling each day by injecting nitrogen carrier gas into the gas chromatograph.

- Prior to sampling each day, system blanks are run to check the sampling apparatus (probe, adaptor, 10 cc syringe) for contamination by drawing ambient air from above ground through the system and comparing the analysis to a concurrently sampled air analysis.

- All sampling and 2 cc subsampling syringes are decontaminated each day and no such equipment is reused before being decontaminated. Microliter size subsampling syringes are reused only after a nitrogen carrier gas blank is run to insure it is not contaminated by the previous sample.

- Soil gas pumping is monitored by a vacuum gauge to insure that an adequate gas flow from the vadose zone is maintained. A negative pressure (vacuum) of 2 in. Hg less than the maximum capacity of the pump (evacuation rate >0.02 cfm) usually indicates that a reliable gas sample cannot be obtained because the soil has a very low air permeability.



APPENDIX A: CONDENSED DATA

UNYSIS CORPORATION/GREAT NECK FACILITY/GREAT NECK, NEW YORK
9/25/89
CONDENSED DATA

JOB#1-200-89-SG

SAMPLE	Trans 1,2-DCE ug/l	Cis 1,2-DCE ug/l	TCE ug/l	PCE ug/l
Air	<0.02	<0.02	<0.0002	<0.00005
SG-1-3'	<5	<4	2	3
SG-1-6'	<5	<4	4	8
SG-1-12'	<5	<4	15	38
SG2-3'	<0.5	<0.4	0.6	0.7
SG2-6'	<0.5	<0.4	2	4
SG2-12'	<5	<4	6	16
SG-3-3'	<0.5	<0.4	0.4	0.6
SG-3-6'	<0.5	<0.4	1	2
AIR	<0.02	<0.02	<0.0002	0.001
SG-3-12'	<0.5	<0.4	6	9
SG4-3'	<2	<2	2	6
SG4-9'	<2	<2	4	8

Analyzed by: P. Reko
Checked by: M. Stolte
Proofed by: *S. Saplander*



UNYSIS CORPORATION/GREAT NECK FACILITY/GREAT NECK, NEW YORK JOB#1-200-89-SG
 9/26/89
 CONDENSED DATA

SAMPLE	TRANS 1,2-DCE ug/l	CIS 1,2-DCE ug/l	TCE ug/l	PCE ug/l
Air	<0.03	<0.02	<0.0002	0.0006
SG-5-3'	<3	<2	2	5
SG-5-6'	<3	<2	4	11
SG-5-9'	<3	<2	4	14
SG-6-3'	<3	<2	4	12
SG-6-5.5'	<3	<2	4	12
SG-6-11'	<3	<2	9	24
SG-7-3'	<3	<2	5	8
SG-7-6'	<3	<2	6	9
AIR	<0.03	<0.02	<0.0002	0.002
SG-8-3'	<0.3	<0.2	0.5	1
SG-8-6'	<0.3	<0.2	3	6
SG-8-10'	<2	<1	2	4
SG-9-3'	<0.07	<0.05	<0.0004	0.002
SG-9-6'	<0.2	<0.1	<0.0009	0.08
SG-9-12'	<0.2	<0.1	<0.0009	0.4
AIR	<0.03	<0.02	<0.0002	0.0005

Analyzed by: P. Reko
 Checked by: M. Stoltz
 Proofed by: *A. Kaplan*



UNYSIS CORPORATION/GREAT NECK FACILITY/GREAT NECK, NEW YORK
9/27/89
CONDENSED DATA

JOB#1-200-89-SG

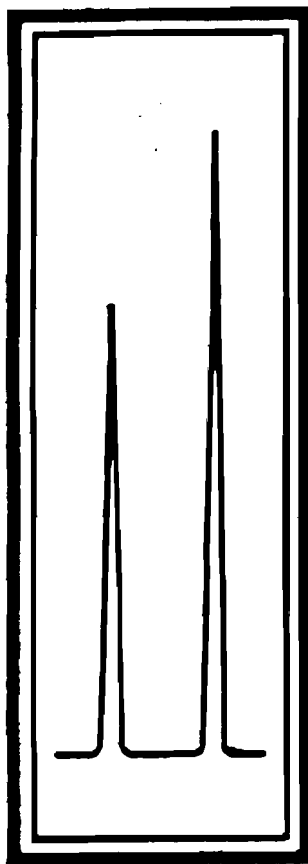
SAMPLE	TRANS 1,2-DCE ug/l	CIS 1,2-DCE ug/l	TCE ug/l	PCE ug/l
AIR	<0.07	<0.05	<0.0003	<0.00009
SG-10-3'	<0.7	<0.5	1	2
SG-11-3'	<0.7	<0.5	3	6
SG-11-6'	<7	<5	4	8
SG-12-3'	<0.7	<0.5	1	2
SG-12-6'	<7	<5	0.4	0.4
SG-13-3'	<4	<3	0.2	1
SG-14-6'	<4	<3	0.3	1
AIR	<0.07	<0.05	<0.0003	<0.00009
SG-14-3'	<4	<3	4	11
SG-14-6'	<7	<5	6	13
SG-10-6'	<4	<3	0.9	1
SG-15-3'	<7	<5	4	22
SG-15-6'	<7	<5	12	63
SG-15-12'	<37	<26	150	780
SG-16-3'	<0.7	<0.5	0.2	0.6
SG-16-6'	<0.2	<0.1	0.08	0.08
SG-16-12'	<1	<2	15	17
SG-17-6'	<3	<3	0.2	4
AIR	<0.03	<0.03	<0.0003	<0.00007
SG-18-10'	<5	<5	0.6	6

Analyzed by: P. Reko

Checked by: M. Stolte

Proofed by: *L. Kaplan*





COPY

**Tracer
Research
Corporation**

FIELD LOGBOOK

CLIENT *UNISYS CORP.*
SITE
LOCATION *GREAT NECK, NY*
DATES *09-25 TO 09-27*



VAN # 8
PLATE # 4CJ-184

SOIL GAS INVESTIGATION BACKGROUND INFORMATION

SITE NAME: UNISYS CORP GREAT NECK FACILITY
LOCATION: GREAT NECK FACILITY
DATES OF INVESTIGATION: 09-26-89 TO
CLIENT NAME & ADDRESS: KEVIN D. KRUEGER (UNISYS)
3199 DILLOT KNUB ROAD 7E
HS F3B05 Eagan, MN 55121
FIELD REPRESENTATIVE(S) FOR CLIENT: KEVIN D. KRUEGER
MANAGER ENVIRONMENTAL PLANNING
PERSON TO WHOM REPORT AND QUESTIONS
SHOULD BE DIRECTED: KEVIN KRUEGER
PHONE: (612) 667 3084
CREW: CHEMIST P. REKO GEOLOGIST M. STOLIE

REPORT TO INCLUDE (CIRCLE):

- ☒ A. QA/QC-PROCEDURES-DATA ONLY or AND COPY OF FIELD LOG.
☐ B. FULL REPORT WITH CONTOUR MAPS AND INTERPRETATION

PURPOSE OF INVESTIGATION

TO DELINEATE AND INVESTIGATE SOURCES OF
TARGET COMPOUNDS

TARGET VOCs

<u>TRANS-1,2-DCE</u>		
<u>CIS-1,2-DCE</u>		
<u>TCE</u>		
<u>PCE</u>		

GROUNDWATER INFORMATION:

DEPTH TO WATER: 100-120' FEET DIRECTION: NORTHWEST

SOURCES OF CONTAMINATION

THE PASSED PRODUCTION PROCESSES, STORAGE & GENERAL
USE OF CHEM. POSSIBLY DEGRADATION OF PCE, NOT USED
IN RECENT YEARS!

GEOLOGIC SETTING:(e.g. soil type, subsurface geology, etc.)

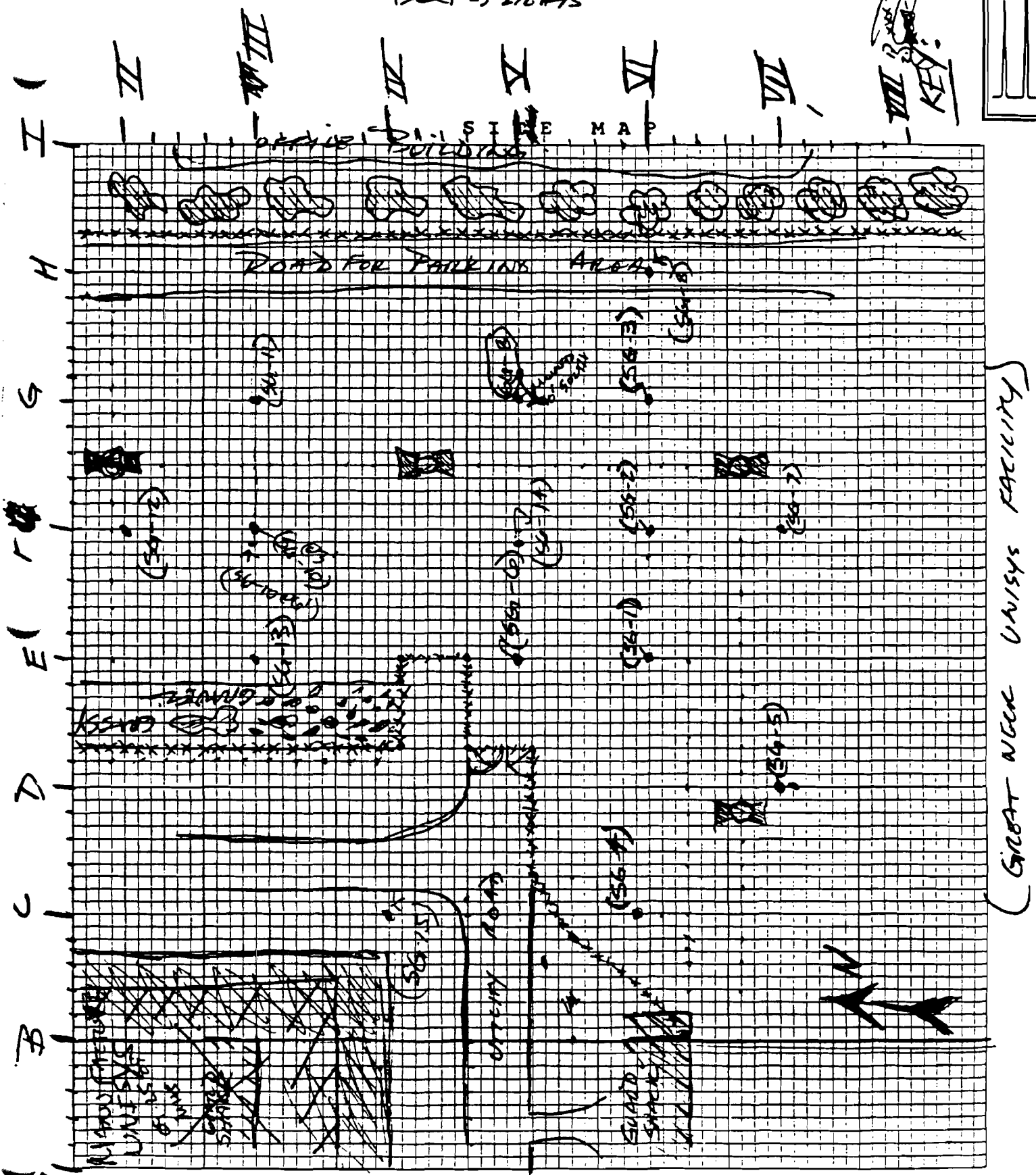
MIX SAND, SILTS & CLAYS, COBBLE MIXED
COBBLES, SAND, CLAY MIX, NO KNOWN PERCHED H₂O
OR CLAY BEHAVIORS FROM PREVIOUS LOG BORINGS.

KEY

XXXX → FENCE
 [X] → LIGHTS

Tracer Research Corporation

KEY:
 [X] → FENCE
 [X] → LIGHTS



IF MAPS ARE SUPPLIED BY CLIENT, NOTE SUCH AND CHECK FOR ACCURACY AND CLARITY.

MAP CHECKED FOR COMPLETENESS AND ACCURACY BY

Field Assistant



DATE : 09-25-69
LOCATION : GREAT NECK, NY
CLIENT : UNISYS CORP.

GC Operator: P. RENO
Weather : CLEAR DAY 50°-70°

Field Assistant: M. STOLTE

FIELD HOURS

A Time on site : 8:00
B Time off site : 1850

Hours on site
(B - A) :

Lunch hours : 1/2 hr
Downtime hours¹ : 1 1/2 hrs
Standby hours² : 0

DECONTAMINATION

Probe Decontamination

Total hours: 1/2 Hrs

P. Reno
Verified by GC operator

Syringe Decontamination

Total hours : 1/2 Hr

M. Stolte
Verified by field assistant

DAILY SUMMARY

Calibration

Time start : 8:00
Time end : 9:10

Total hours: 1.1 Hrs

Sampling

Max vacuum : in Hg
Probes used : 8
Points used : 12
Soil gas samples collected : 12
Water samples collected : 0

Analysis

Total system blanks : 1
Total air samples : 3

Verified by Client

Field data and gas standards checked by Maureen Stolte

Data checking hours: 3/4 Hr

- 1 - Downtime includes time spent repairing sampling & analytic equipment; note times and explanation on following field data pages
2 - Standby includes time available for sampling but waiting for client; note times and explanation on following field data pages

DATE: 09-25-69

LOCATION: UNISYS PLANT GREAT NECK, CLIENT: UNISYS CO.

SAMPLING DATA											
TIME	SAMPLE NUMBER	DEPTH	PROBE #	ADAPT #	PROBE PUSH/ POUND	VAC (in Hg)	EVAC TIME (s)	SAMPLE VOL (cc)	POINTS	NOTES/ADD'L DATA REQUESTED BY CLIENT (Point Location)	
TIME ON SITE: BEGIN CALIBRATION:										N	E
0745	ARRIVE on site										
0850	SYS BLK 9 AIR BLK					15	20 SEC	8	NA		
0925	SG-1E3	1	1	1	PS 2' PD 1'	4	25 SEC	8	1	LOCATION, GOOD FLOW EAST FIELD PARKING LOT 5, SOFT SANDY SOIL	E VI
1003	SG-1	6'	1	1	PD 3'	8	40 SEC	6		EASILY POUNDED TO A DEPTH OF 6'. THIS POINT IS KNOWN HOT SPOT FROM PREVIOUS SURVEY.	E VI
1045	SG-1	12'	2	1	PD 6'	4	25 SEC	8	1	HARD POUNDING TO DEPTH OF 12'	E VI
1242	SG-2	3'	3	2	PD 3'	6	30 SEC	8	1	FOUR ATTEMPTS WERE MADE TO PUT DOWN A PROBE 3 TIMES OR 4 TIMES REFUSE < 6'	F VI
1253	SG-2	6'	3	2	PD 3'	8	40 SEC	7	1	STICKY, SANDY-CLAYE SOIL POUNDED 3' TO REACH TOP OF DEPTH OF 6' GOOD FLOWING	F VI
1315	SG-2	12'	4	2	PD 6'	8	40 SEC	6	1	NEW POINT PUT 14' PROBE IN HOLE MADE BY 7' PROBE FOR FIRST TWO SAMPLES, POUNDED TO DEPTH OF 12' GOOD FLOW	F VI
1336	SG-3	3'	5	3	PD 3'	8	40 SEC	6	1	POINT LOC. EAST 50-75' FROM SG-2. PD 3' HARD FIGHT SOIL.	G VI
1359	SG-3	4'	5	3	PD 3'	3	30 SEC	6	1	PD PROBE ANOTHER 3' TO DEPTH OF 6' LOST TIP HAD TO PULL UP AND TRY AGAIN GOOD FLOW	G VI
1435	SG-3	12'	6	3	PD 6'	3	30 SEC	8	1	PD. PROBE TO TOP OF 12' HAD TO PULL UP ALL THE WAY. HARD, FIGHT SOIL, GOOD FLOW	G VI
1457	SG-4	3'	7	4	PS 2' PD 1'	8	45 SEC	8	1	PS 2' PD ANOTHER 1' TO DEPTH OF 6' GOOD FLOW ROCKY, COBBLES	C VI
1527	SG-4	6'	8	4	PD 3'	3	30 SEC	6	1	ATTEMPTED FIRST TIME UNSUCCESSFUL OF GETTING PROBE TO 6', PULLED TO 6'	C VI
1607	SG-4	10'	9	4	PD 10'	10	45 SEC	5	2	DROVE PROBE TO 10' BUT FLOW, VERY HARD ROCK. ATTEMPTED SECOND TIME WITH NEW PT.	C VI



DATE : 09-26-89

LOCATION : GREAT NECK, NY

CLIENT : UNISYS CORP

GC Operator: P. RERO

Field Assistant: M. Stoltz

Weather : RAIN 65°

SUNNY IN THE AFTERNOON 70°

FIELD HOURS

A Time on site : 0710

B Time off site : 1715

Hours on site
(B - A) : 9 3/4 HrsLunch hours : 1/4 Hr
Downtime hours¹ : 0
Standby hours² : 0

DECONTAMINATION

Probe Decontamination

Total hours: 1/2 Hr

Verified by GC operator

Syringe Decontamination

Total hours : 1/2 Hr

Marion Stoltz
Verified by field assistant

DAILY SUMMARY

Calibration

Time start : 0710

Time end : 0815

Total hours: 1 Hr

Sampling

Max vacuum : 10 in Hg

Probes used : 12

Points used : 12

Soil gas samples

collected : 14

Water samples

collected : 0

Analysis

Total system

blanks : 1

Total air

samples : 3

Field data and gas
standards checked byMarion Stoltz

Verified by Client

Data checking hours: 1/2 Hr

- 1 - Downtime includes time spent repairing sampling & analytic equipment;
note times and explanation on following field data pages
- 2 - Standby includes time available for sampling but waiting for client;
note times and explanation on following field data pages



DATE: 09-26-59

LOCATION: GREAT NECK, NY

CLIENT: UNISYS CORP

SAMPLING DATA											NOTES/ADD'L DATA REQUESTED BY CLIENT
TIME	SAMPLE NUMBER	DEPTH	PROBE #	ADAPT #	PROBE PUSH/ POUND	VAC (in Hg)	EVAC TIME (s)	SAMPLE VOL (cc)	POINTS		
TIME ON SITE: BEGIN CALIBRATION:											N E
0710											ARRIVE SITE BEGIN STANDARD PNR, RAINY 55°, SET UP BACK END.
0805	SY-24	1	5	1	15	30	6	1			
0815	APR BLIZ	1	1	1	1	1	4	1			
0827	SH-SE	3	10	1	23'	8	30	6	1		POUNDED PROBE TO 3' HARD TIGHT SOIL, P.C. FELL @ 3'. D VII
0858	SH-B	6	3	1	26'	4	30	6	1		MOVED THE POINT 12" TO THE NORTH EAST BECAUSE COBBLES PREVENTED PENETRATION AT INITIAL POINT. GOOD FLOW, HARD SOIL
0926	SH-S	9	5	1	23 1/2'	4	30	6	1		PUR DOWN 14 FEET PROBE IN SAME HOLE AS 7 FEET HOLE. TIGHT SOIL. POUNDED ALL THE WAY.
0935	ATTEMPTED TO PUT 1.4' PROBE TO 13' UNSUCCESSFUL.										
1006	SH-6	3	11	2	23'	4	30	6	1		POUNDED THE PROBE TO DEPTH OF 3 FEET AND GOT GOOD FLOW. E V
1022	SH-6	5 1/2	11	2	23'	4	30	6	1		POUNDED PROBE AN ADDITIONAL 3' TO GET A TOTAL OF 6'. TIGHT SOIL. E V
1058	SH-6	11	4	2	25'	4	30	6	1		POUNDED PROBE TO TOTAL DEPTH OF 11 FEET GOOD FLOW HARD TO DRIVE E V
1120	SH-7	3	12	5	23'	6	35	6	1		POUNDED PROBE TO DEPTH OF 3' HARD SOIL HAD TO PULL UP 2' TO GET GOOD FLOW. F VII
1132	SH-7	6	12	5	23'	4	30	6	1		PULLED PROBE OUT OF GROUND BECAUSE LET IT DIP IN GROUND + SECOND TIME POUNDED TO TOTAL 6'. F VII
1145-1215	WORKING BREAK ON SITE. PETE NOW STILL MADE IN S WITH WICK DID NOT LEAVE SITE.										
1314	ATTEMPTED 13' COULD NOT POUND PROBE PAST 7' REFUSAL @ 7 1/2' F VII										

ADVISED TO ATTEMPT NEXT
POINT BY CLIENT

LOCATION: GREAT NECK, NY

CLIENT: UNISYS CORP

SAMPLING DATA											NOTES/ADD'L DATA REQUESTED BY CLIENT		
TIME	SAMPLE NUMBER	DEPTH	PROBE #	ADAPT #	PROBE PUSH/ POUND	VAC (in Hg)	EVAC TIME (s)	SAMPLE VOL (cc)	POINTS			LOCATION PT	
TIME ON SITE: BEGIN CALIBRATION:											LOCATION PT N E		
133A	SG-8	3	14	A	RD 3'	A	30 SEC	6	1	POUND PROBE TO DEPTH OF 3' HARD. FIRST ATTEMPTED TO PUT POINT 10 FEET TO THE SWIFT OF G.I.			
135A	SG-8	6	14	A	RD 3'	A	30 SEC	8	1	HARD POUNDING POINT TO TOP OF SIX FEET. GOOD FLOW 55 in Hg.			G VI.1
145A	SG-8	10	14	A	RD 4'	A	30 SEC	8	1	ATTACHED A 5 FEET PROBE EXTENSION ON TO SIX FEET. INITIATE PROBE PD TO 6' HARD			G VI.2
150A	SG-9	3	15	G	RD 2' PSI 1'	A	30 SEC	8	1	POINT MORE EASILY PUT INTO DEPTH OF 3'. GOOD FLOW IN MIDDLE OF ROAD FOR PARKING.			H VI
1515	SG-9	6	15	G	RD 2' PSI 1'	A	30 SEC	8	1	PROBE EASILY PUSHED TO A DEPTH OF 6 FEET GOOD FLOW			H VI
1530	SG-9	12	16	G	RD 2' PSI 1'	A	30 SEC	8	1	14' PROBE WAS PUT DOWN TO A DEPTH OF 12' EASILY PUSHED FIRST 11' THEN PD 2 TO 3'.			H VI
1545	WAIT FOR CLIENT TO FIND RENTAL CENTER NEARBY.												
1630	LEFT TO RENTAL CENTER BY REQUEST OF CLIENT.												
1715	RETURNED FROM RENTAL CENTER BY REQUEST OF CLIENT TO PICK UP ROCK DRILL FOR NEXT DAY. OVER SITE TIME.												



DATE : 09-27-89
 LOCATION : GREAT NECK, NY
 CLIENT : UNISYS CORP

GC Operator: P. RERO
 Weather : CLEAR 50° IN MORNING

Field Assistant: M. STOLTE

FIELD HOURS

A Time on site : 07:40
 B Time off site : -----
 Hours on site
 (B - A) :

Lunch hours : ϕ
 Downtime hours¹ : ϕ
 Standby hours² :

DECONTAMINATION

Probe Decontamination
 Total hours: 1/2 Hr

Verified by GC operator

Syringe Decontamination
 Total hours: 1/2 Hr
Marghan Stolte
 Verified by field assistant

DAILY SUMMARY

Calibration	Sampling	Analysis
Time start : 07:40	Max vacuum : 8 in Hg	Total system
Time end : 08:30	Probes used : 3	blanks : 1
Total hours: 1:50 1:50	Points used :	Total air
	Soil gas samples	samples : 3
	collected : 18	
	Water samples	
	collected : ϕ	

Field data and gas
 standards checked by _____

Verified by Client

Data checking hours:

- 1 - Downtime includes time spent repairing sampling & analytic equipment; note times and explanation on following field data pages
- 2 - Standby includes time available for sampling but waiting for client; note times and explanation on following field data pages

DATE:
LOCATION:

CLIENT:

SAMPLING DATA										
TIME	SAMPLE NUMBER	DEPTH	PROBE#	ADAPT#	PROBE PUSH/ POUND	VAC(In Hg)	EVAC TIME(s)	SAMPLE VOL(cc)	POINTS	NOTES/ADD'L DATA REQUESTED BY CLIENT
TIME ON SITE: BEGIN CALIBRATION:										
0715 TO 0745 WASHED PROBES AT LOCAL CAR WASH										
0745 ARRIVED SITE SETUP BACKEND.										
0800 - GO WITH CLIENT TO PICKUP COMPRESSOR FOR DRILLING THRU. CONCRETE, ELECTRIC DRILL NOT POWERFUL ENOUGH										
0930 - RETURNED FROM RENTAL CENTER WITH CLIENT BEGAN DRILLING POINTS THROUGH 16" CONCRETE.										
0945 STARTED TO DRILL HOLES NOT TO GO THROUGH 16" CONCRETE SITE LOCATION PT. N. E										
1004	SG-10	3	20	7	Pd 3'	7	45 SEC	6	1	Pounded Probe 3' THROUGH 2" HOLE drilled through 16" concrete HARD ROCKY SOIL FOR POUNDING.
1010	SG-10	4	21	8	Pd 3'	4	30 SEC	6	1	ATTEMPTED TO POUND PROBE TO TOTAL DEPTH 6 FEET UNABLE TO PENETRATE AT 4 FEET WILL HAVE TO DRILL NEW HOLE
1024	SG-11	3	21	8	Pd 3'	4	30 SEC	6	1	Pound PROBE TO DEPTH OF 3' THROUGH 2" HOLE DRILLED 16" THRU/IN ASPHALT AND CONCRETE GOOD FLOW
1037	SG-11	6	21	8	Pd 3'	4	30 SEC	6	1	Pounded PROBE TO TOTAL DEPTH OF SIX FEET. GOOD FLOW HARD ROCKY GROUND
1102	SG-12	3	22	9	Pd 3'	4	30 SEC	6	1	Pounded PROBE 3' THROUGH 2" HOLE DRILLED 16" THROUGH ASPHALT CONCRETE. ALLED PROBE IN FOR GOOD FLOW
1117	SG-12	6	22	9	Pd 3'	5	35 SEC	4	1	Pounded PROBE DOWN TO ADDITIONAL 3' TO TOTAL OF 6 FEET. HARD SOIL SLOW POUNDING. GOOD FLOW
1140	Pounded PROBE TO DEPTH OF 3 FEET WAIT FOR PETE NOW TO GET CAUGHT UP WITH INSECTIONS.									
1156	SG-13	3	23	5	Pd 3'	4	30 SEC	6	1	TRIED PROBE 3' THRU 16" X 2" HOLE THROUGH ASPHALT/CONCRETE
1200	SG-13	6	23	5	Pd 3'	4	30 SEC	5	1	Pounded PROBE ANOTHER 3 FEET TO A TOTAL OF 6 FEET HARD GROUND GOOD FLOW

DATE:
LOCATION:

CLIENT:

SAMPLING DATA												
TIME	SAMPLE NUMBER	DEPTH	PROBE#	ADAPT#	PROBE PUSH/ POUND	VAC (in Hg)	EVAC TIME (s)	SAMPLE VOL (cc)	POINTS	NOTES/ADD'L DATA REQUESTED BY CLIENT		
TIME ON SITE: BEGIN CALIBRATION:										LOC. N E		
1215-1255 13	LUNCH MAT. ? CALLED OFFICE, P. RSKD THROUGH LUNCH										WORKED	
1315	ATTEMPTED 3' SAMPLE @ LOCATION MOVED 5' TO THE WEST									F	IV	
1345	SG-14	3'	4	6	PS3'	4	30	8	1	POUNDED PROBE 3' MOVED 5 FEET TO THE WEST, GOOD FLOW	F	SHEET NO. 1 IV
1400	SG-14	6	4	6	PS3'	4	30	8		POUNDED PROBE TO ADDITIONAL 3' TO TOTAL 6 FEET HARD SOIL	F	5 FEET WEST IV
1416	SG-10	4	10	7	PS6'	4	30	8	1	MOVED WEST 6 FEET FROM SG-10 @ 3' GOOD FLOW HARD GROUND	F	III 5' WEST
1451	SG-15	3	25	8	PS3'	8	45	7	1	PS. PROBE EASILY TO 3 FEET GOOD FLOW ON SOUTHEAST CORNER	C	IV
1454	SG-15	4	25	8	PS3'	4	30	8		PS. PROBE EASILY TO 5' TO TOTAL 6 FEET GOOD FLOW	C	IV
1508	SG-15	12	25	8	PS11'	4	30	8	1	PS 14 FEET PROBE TO ADDITION OF 11 FEET GOOD FLOW NO HANDED	C	IV
1538	SG-16	3	27	4	PS3'	4	30	8	1	PS 3 FEET THROUGH GRAVEL LOCATED 15 FEET WEST SOUTHWEST MANHOLE	D	IV NEAR SG-2
1554	SG-16	10	27	4	PS3' PS2'	4	30	8		PROBE POUNDED TO TOTAL DEPTH OF 10 FEET, POROUS SOIL	D	IV
1731	SG-16	11	29	4	PS2' PS3'	4	45	8	1	PS PROBE TO 11 FEET 5 FEET AND PUSHED TO DEPTH OF 11 FEET (GOOD FLOW)	D	IV
1753	SG-17	10	28	9	PS6'	4	30	8	2	POUNDED PROBE 10 FEET AT FIRST ATTEMPT. SECOND ATTEMPT GOT SAMPLE GOOD FLOW	B	IV
1810	ATTEMPTED PS 15' SOUTH OF MANHOLE THAT GOES BETWEEN THE MANHOLE AND PARADISE LOT AROUND C.V. NO SAMPLE CO. COLORED NOISE @ 15'											
1850	SG-18	10	AD	12	PS11'	4	45	8	1	POUNDED PROBE TO 11 FEET HARD SOIL	D	III

APPENDIX J

ROUX ASSOCIATES 1990

APPENDIX J1

ROUX 1990 SOIL BORING LOGS

SOIL BORING LOG

BORING NO. SVB-1
page 1 of 1

date start	6/12/90	method	3 1/4" O.D. hollow stem auger
date end	6/12/90	total depth	38'
contractor	R&L Drilling	water depth	none
driller	Phil Zackman	logged by	Robert A. Wojciak

DEPTH	BLOWS	PID	DESCRIPTION
5'-6.5'	32/50-5"		Hit cobble - no recovery.
10'-11.5'	50-4"		Hit cobble - no recovery cuttings are fine to medium grained sand with gravel.
15'-16.5'	12/25/32	60 (0.4)	Fine to medium grained tan sand, stratified with coarse sand lenses.
20'-21.5'	15/50/50-5"	110 (0.4)	Medium grained tan sand well sorted angular.
25'-26.5'	18/45/50-5"	60 (0.4)	Fine grained tan sand well sorted subangular some gravel near 25' interval brown silt at 26.5' (3" layer recovered).
30'-31.5'	35/50-1"		No recovery except granitic cobble.
35'-36.5'	50-1"		No recovery.
38'			Auger refusal.

No monitoring well installed in this boring.

SOIL BORING LOG

BORING NO. SVB-2 (VW-1)
page 1 of 2

date start	6/13/90	method	3 1/4" O.D. hollow stem auger
date end	6/14/90	total depth	91'
contractor	R&L Drilling	water depth	85'
driller	Phil Zackman	logged by	Robert A. Wojciak

DEPTH	BLOWS	PID	DESCRIPTION
4'			Obstruction, moved rig three feet and started new hole.
5'-6.5'		0.4 (0.4)	While sampling the split barrel hit a rock moving it off - the sampler wasn't getting the full impact of the hammer - probable fill medium grained brown sand minor (<5%) silt some cobbles.
10'-11.5'	30/45/50-3"		Quartz cobble 3" recovery of fine to medium grained brown sand with silt.
15'-16.5'	50-5"	1.0 (0.4)	Granitic cobble and medium grained brown sand.
20'-21.5'	50-3"		No recovery.
25'-26.5'			No recovery.
30'-31.5'	15/45/50-4"	2.0 (0.4)	Medium to coarse grained brown sand, moist - sample obtained after water flushed down with bailer to aid recovery.
35'-36.5'	50-4"		No recovery.
45'-46.5'		60.0 (0.4)	Fine to medium grained brown sand with silt and some gravel.
50'-51.5'	30/50-2"	60.0 (0.4)	Fine to coarse grained sand with silt and some gravel.

BORING NO. SVB-2 (VW-1)
page 2 of 2

DEPTH	BLOWS	PID	DESCRIPTION
65'-66.5'	60-3"	200 (3.0)	Coarse sand - petroleum like odor.
75'-76.5'	60-3"	300 (0.4)	Coarse sand - petroleum like odor.
85'-86.5'	25/30/12	600 (0.8)	Medium to coarse grained gray sand, gravelly lenses 2" thick, at 85.5' some gravel throughout, water bearing.
90'-91.5'			No recovery.

Vent well VW-1 installed in this boring.

SOIL BORING LOG

BORING NO. SVB-3 (VW-2)

page 1 of 1

date start	6/14/90	method	3 1/4" O.D. hollow stem auger
date end	6/18/90	total depth	45'
contractor	R&L Drilling	water depth	45'
driller	Phil Zackman	logged by	Robert A. Wojciak

DEPTH	BLOWS	PID	DESCRIPTION
10'-11.5'			Hit cobble, no recovery.
20'-21.5'			Medium to coarse grained sand with some gravel.
30'-31.5'	10/50-4"		Fine to medium grained sand poorly sorted with some gravel, some sand with silt at 31"2" solvent like odor.
40'-41.5'			No sample attempted due to rough drilling in cobbles.
45'-46.5'	50-2"		Sandy clay with gravel (clay > 50%) gray green, moist, water may be perching on this layer.

Vent well VW-2 installed in this boring.

SOIL BORING LOG

BORING NO. SVB-4 (VW-3)
page 1 of 2

date start	6/18/90	method	3 1/4" O.D. hollow stem auger
date end	6/18/90	total depth	93'
contractor	R&L Drilling	water depth	85'
driller	Phil Zackman	logged by	Robert A. Wojciak

DEPTH	BLOWS	PID	DESCRIPTION
10'-11.5'	35/50-3"	0.4 (0.4)	Fine to coarse grained brown sand poorly sorted with cobbles, minimal recovery due to cobble in sand cup.
20'-21.5'			No recovery cuttings are medium grained brown sand
30'-31.5'	50-4"	0.4 (0.4)	Medium grained brown sand some clay at 31.5'.
40'-41.5'	30/50-3"	1.0 (0.4)	Clayey fine to medium grained brown sand with cobbles, moist, minimal recovery.
42.5'-55'	35/50-3"	10 (0.4)	Stratified sample - from top of sampler: quartz cobble; 1" coarse tan sand; 1/4" very coarse tan sand; 3/4" very fine grained gray sand, oxidized on top & bottom; 1" coarse tan sand.
45'-46.5'	40/50/50-3"	10 (0.4)	Stratified sample - from top of sampler: 1" quartz cobble; 1" medium grained brown sand well sorted, 1" grus black, white, & gray sand fine to medium grained; 4" medium to coarse sand with gravel.
55'-56.5'	40/50-5"	7.0 (0.4)	Fine to medium grained brown sand with minor gravel and cobble.
65'-66.5'	50-4"		No recovery.

BORING NO. SVB-4 (VW-3)
page 2 of 2

DEPTH	BLOWS	PID	DESCRIPTION
75'-76.5'	50-4"	30 (0.4)	Medium grained brown sand with gravel.
80'-81.5'		10 (0.4)	Medium grained brown sand with gravel.
85'-86.5'	50-5"		No recovery.

Vent well VW-3 installed in this boring.

SOIL BORING LOG

BORING NO. SVB-5 (VW-4)
page 1 of 2

date start	6/19/90	method	3 1/4" O.D. hollow stem auger
date end	6/21/90	total depth	90'
contractor	R&L Drilling	water depth	80'
driller	Phil Zackman	logged by	Robert A. Wojciak

DEPTH	BLOWS	PID	DESCRIPTION
10'-11.5	50-2'		No recovery at 12' augered through fine to medium grained brown sand with cobbles which had an oily coating.
20'-21.5'			No recovery cuttings were fine to medium grained brown sand.
30'-31.5'			No recovery very cobbly - rough drilling.
40'-41.5'	50-3"		No recovery.
50'-51.5'		300 (0.4)	Fine to medium grained gray to black sand overlying a gray green clay <1" thick, similar sand with gravel below clay, each layer exhibits high PID readings when fresh surfaces exposed sands above clay appeared moist by no saturated, split spoon came up with a sheen on the outside.

BORING NO. SVB-5 (VW-4)
page 2 of 2

DEPTH	BLOWS	PID	DESCRIPTION
60''-61.5'		90 (0.4)	Medium grained brown to gray sand, moist, sheen (driller thinks this soil may have followed auger down).
70'-71.5'		300 (0.4)	Medium to coarse grained gray sand, moist with some gravel.
80'-81.5'		450 (0.4)	Coarse grained gray sand (2" very coarse sand layer at 81') water bearing.

Vent well VW-4 installed in this boring.

SOIL BORING LOG

BORING NO. SVB-6

page 1 of 1

date start	6/21/90	method	3 1/4" O.D. hollow stem auger
date end	6/21/90	total depth	37'
contractor	R&L Drilling	water depth	None
driller	Phil Zackman	logged by	Robert A. Wojciak

DEPTH	BLOWS	PID	DESCRIPTION
0'-5'			Probable fill, fine to medium sand brown. All descriptions are from cuttings (SVB-6 is adjacent to SVB-5 which had difficulty in sampling due to cobbles).
5'-10'			Same as above with cobbles.
12'			Augered thru some gray sand with cobbles that had the fuel oil like odor that we encountered at SVB-5. This sand probably represents the bottom of the former tank basin.
17'			Medium grained brown sand with cobbles.
21'			Cobbles (6" diameter) in cuttings.
23'			Cobble layer.
33'			Fine to medium grained brown sand with gravel.
37'			Refusal.

No vent well installed in this boring.

SOIL BORING LOG

BORING NO. SVB-7 (VW-5)
page 1 of 2

date start	6/21/90	method	3 1/4" O.D. hollow stem auger
date end	6/25/90	total depth	93'
contractor	R&L Drilling	water depth	81.5'
driller	Phil Zackman	logged by	Robert A. Wojciak

DEPTH	BLOWS	PID	DESCRIPTION
0'-10'			At 10' hit obstruction which ripped all teeth off of lead auger along with the tooth holders. Replace head on auger and moved rig over 3'.
0'-17'			From cuttings very cobbly to 17', then medium sand.
25'-26.5'			Stratified sands. 2" medium to coarse grained tan sand; 5/16" silt stringer; 1" medium to coarse grained light tan sand; 2" medium grained tan sand well sorted; 8" medium grained brown sand well sorted.
29'-31'			Rough drilling near 29' cuttings are the same as at 25' appear to be on top of a large rock which rocks the rig as augers turned. Attempt to drill thru or push to the side. Cobbles in cuttings when augers spun at 30'.
34'			At 34' drilling smooths somewhat, gravel in cuttings, no cobbles.
40'-41.5'			No recovery.
50'-51.5'		140 (0.4)	Fine to medium grained brown sand with minor gravel and cobbles.

BORING NO. SVB-7 (VW-5)
page 2 of 2

DEPTH	BLOWS	PID	DESCRIPTION
60'-61.5'		300 (0.4)	Fine grained brown sand.
70'-71.5'		400 (0.5)	Medium grained brown-gray sand with cobbles.
80'-81.5'		300 (0.4)	Medium to coarse grained brown sand with gravel layer at 81'. Moist. Appears to be waterbearing at 81'5".

Vent well VW-5 installed in this boring.

SOIL BORING LOG

BORING NO. SVB-8
page 1 of 1

date start	6/25/90	method	3 1/4" O.D. hollow stem auger
date end	6/25/90	total depth	25'
contractor	R&L Drilling	water depth	None
driller	Phil Zackman	logged by	Robert A. Wojciak

DEPTH	BLOWS	PID	DESCRIPTION
0'-8'			Cuttings are medium grained reddish brown sand with cobbles and minor gravel.
13'			The augers were filled with clayey soil. Pulled augers out to clean the lead auger. Some clay was present within the lead auger. Had to redrill from 10' to 15'.
25'			Hit refusal, lost teeth on auger, abandoned hole at 25'.

No vent well installed in this boring.

SOIL BORING LOG

BORING NO. SVB-9 (VW-6)
page 1 of 1

date start	6/25/90	method	3 1/4' O.D. hollow stem auger
date end	6/26/90	total depth	90'
contractor	R&L Drilling	water depth	81.5'
driller	Phil Zackman	logged by	Robert A. Wojciak

DEPTH	BLOWS	PID	DESCRIPTION
15'			Hit refusal, moved rig up 4' and redrilled.
8'			Encountered gravel layer cuttings are sands and gravel with some cobbles. Cuttings kept same consistency to 40'.
10'			Needed to clean out lead auger.
40'-41'	30-4"		No recovery.
70'-71.5'		0.2 (0.2)	Medium grained brown sand, well sorted.
80'-81.5'		0.2 (0.2)	Medium grained brown sand with coarse sand and gravel at 81.5', waterbearing.

Vent well VW-6 installed in this boring.

APPENDIX J2

ROUX 1990 SOIL CHEMISTRY



REPORT TRANSMITTAL

REPORT NUMBER 30900-1312R

DATE July 12, 1990

CLIENT Unisys Corporation
 Marcus Avenue
 Mail Stop 1-P-10
 Great Neck, NY 11020

ATTENTION Mr. Bob Wojciak

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

July 12, 1990

30900-1312R
UNISYS CORPORATION
Marcus Avenue
Mail Stop 1-P-10
Great Neck, New York 11020

Re: Great Neck (CPA #A-3393)

Attention: Mr. Bob Wojciak

PURPOSE

Ten samples and one trip blank were submitted to York Laboratories Division of YWC, Inc. by Unisys Corporation. The client requested the samples be analyzed for the parameters listed in Table 1.0. In addition, the laboratory prepared and analyzed a holding blank per requested protocols.

METHODOLOGY

Volatile organics were determined using purge and trap GC/MS. The instrumentation used was a Tekmar Dynamic Headspace Concentrator interfaced with a Hewlett-Packard Model 5995C GC/MS/DS.

Petroleum Hydrocarbon Scan - Samples were initially dried with sodium sulfate and then extracted with freon. The extract was then injected into a gas chromatograph equipped with a capillary column and flame ionization detector. Elution patterns were compared with those of gasoline, kerosene, diesel fuel, #2 fuel oil, #4 fuel oil, #6 fuel oil, and residual oil.

All analyses were conducted according to NYSDEC '89 protocols.

DISCUSSION

The client requested that sample SVB5-80-81.5 be used for QC purposes. Exceptions are noted below.

Volatile Organics - The medium level soil continuing calibration >B0180 analyzed on 06/27/90 had 2-butanone at 39.7 percent and chloroethane at 43.5 percent difference, outside the NYSDEC '89 CLP criteria despite a repeated attempt.

The medium level soil continuing calibration >B0214 analyzed 06/29/90 had chloroethane at 59.7 percent and chlorobenzene at 37.0 percent difference, outside the NYSDEC '89 CLP criteria despite a second attempt.

The low level water continuing calibration >G5724 analyzed 06/19/90 had chloroethane at 36.0 percent difference, outside the NYSDEC '89 CLP criteria despite a second attempt.

Acetone was at 53.7 percent RSD, out of NYSDEC '89 CLP criteria in the calibration curve analyzed 03/23/90 (instrument A, low level soil).

The low level soil continuing calibration >A1747 analyzed 06/20/90 had 2-hexanone out of NYSDEC '89 criteria, despite repeated attempts.

The QC check standard was analyzed on 07/01/90. The date received was given to this QC analysis of 06/22/90, therefore the analysis was performed 9 days after receipt. NYSDEC holding times are not applicable to QC check standards since they are reagent water spikes. The QC check standard was spiked at 20 ug/Kg for all the target compounds. Individual isomers for 1,2-dichloroethane (total) and xylene (total) were also spiked at 20 ug/Kg resulting in total spiked levels of 40 ug/Kg and 60 ug/Kg respectively.

The following samples were extracted as medium level soil samples, then analyzed at dilutions due to high levels of target and non-target compounds:

- SBVB2-50-51.5 (1:10)
- SVB5 60-61.5 (1:5)
- SVB5 50-51.5 (1:5)
- SVB5 12 (1:5)
- SVB5 70-71.5 (1:5)
- SVB5 80-81.5 (1:5)

Sample SBVB2-50-51.5 was analyzed at the proper dilution at 02:11 on 06/28/90; holding time for this sample expired midnight 06/27/90. The sample was analyzed as a low level soil on 06/21/90 and as a medium level soil, undiluted, on 06/27/90. Per the client's request, the properly diluted sample was reported.

Sample SVB5 80-81.5 MS and MSD were analyzed at 00:27 06/30/90; holding time for this sample was midnight 06/29/90. Per the client's request, QC was done on a sample collected at a later date.

Please note the different volatile initial calibration concentrations for the following compounds:

- cis-1,3-dichloropropene - 25, 62, 124, 186, 248 ug/L
- trans-1,3-dichloropropene - 15, 38, 76, 114, 152 ug/L
- xylene (total) meta/para - 40, 100, 200, 300, 400 ug/L

The meta/para xylene isomer concentrations are doubled due to the coelution of these two isomers. The cis and trans-1,3-dichloropropene isomers are at concentrations reflecting their true stock standard concentrations as determined by the commercial supplier.

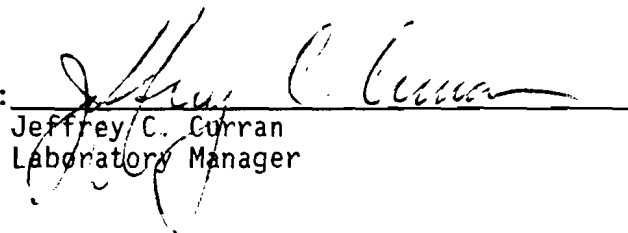
The response factors reported on the volatile Forms 6 and 7 for the compounds xylene (total) and 1,2-dichloroethene (total) have been calculated by summing the two isomer areas for each compound and then dividing by the appropriate total isomer concentrations.

Hydrocarbon Scan - One soil sample was analyzed for #2 fuel oil. The request was for quantitation. Upon analysis it was found that the pattern of contaminant did not match #2 fuel oil. The client requested that this be mentioned in the case narrative.

RESULTS

The results are presented in the following Tables. Also enclosed is the data package containing all requested QA/QC and raw data.

Prepared by:


Jeffrey C. Curran
Laboratory Manager

JCC/mt

The liability of YWC, Inc. is limited to the actual dollar value of this project.

TABLE 1.0R
30900-1312
UNISYS CORPORATION
ANALYTICAL REQUESTS

<u>Sample Identification</u>	<u>Requested Parameters</u>
SVB-4 80-81.5, TB, HB 35, SVB2-85-86.5, SBVB2-50-51.5, SBV5-12, SVB5-50-51.5, SVB5-60-61.5, SBV5-70-71.5, SVB5-80-81.5	TCL volatile organics plus a library search for non-target compounds
SVB6-12'	Hydrocarbon scan, quantified for #2 fuel oil

TABLE 2.0
30900-1312
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

All values are ug/Kg.

Sample Identification

<u>Dilution Factor</u>	<u>125.00</u>	<u>700.00</u>	<u>712.50</u>	<u>681.30</u>	
<u>Method Blank I.D.</u>	<u>>B0219</u>	<u>>B0219</u>	<u>>B0219</u>	<u>>B0219</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>SVB5 -60-61.5</u>	<u>SBV5 -50-51.5</u>	<u>SVB5-12</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	U	U	10
Bromomethane	U	U	U	U	10
Vinyl Chloride	U	U	U	U	10
Chloroethane	U	U	U	U	10
Methylene Chloride	300J	2,000JB	2,200JB	2,000JB	5
Acetone	1,200	7,000B	7,100B	5,400JB	10
Carbon Disulfide	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	5
1,2-Dichloroethene (total)	U	U	U	U	5
Chloroform	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	5
2-Butanone	920J	4,700JB	4,600JB	5,100JB	10
1,1,1-Trichloroethane	88J	490JB	U	U	5
Carbon Tetrachloride	U	U	U	U	5
Vinyl Acetate	U	U	U	U	10
Bromodichloromethane	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	5
Trichloroethene	U	U	U	U	5
Dibromochloromethane	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	5
Benzene	U	190J	180J	350J	5
trans-1,3-Dichloropropene	U	U	U	U	5
Bromoform	U	U	U	U	5
4-Methyl-2-pentanone	U	U	U	U	10
2-Hexanone	U	U	U	U	10
Tetrachloroethene	U	U	1,200J	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	5
Toluene	73J	2,700JB	2,400JB	10,000B	5
Chlorobenzene	U	830J	U	760J	5
Ethylbenzene	U	1,600J	6,300	2,400J	5
Styrene	U	U	U	2,300J	5
Xylene (total)	59J	7,800B	9,900B	16,000B	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.1
30900-1312
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Soil

All values are ug/Kg.

Sample Identification				Method Detection Limits with no Dilution
<u>Dilution Factor</u>	<u>125.00</u>	<u>650.00</u>	<u>700.00</u>	
<u>Method Blank I.D.</u>	<u>>B0219</u>	<u>>B0219</u>	<u>>B0219</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>SVB5 -70-71.5</u>	<u>SVB5 -80-81.5</u>	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	300J	1,200JB	1,300JB	5
Acetone	1,200	3,400JB	3,100JB	10
Carbon Disulfide	U	U	U	5
1,1-Dichloroethene	U	U	U	5
1,1-Dichloroethane	U	U	U	5
1,2-Dichloroethene (total)	U	U	U	5
Chloroform	U	U	U	5
1,2-Dichloroethane	U	U	U	5
2-Butanone	920J	3,600JB	3,900JB	10
1,1,1-Trichloroethane	88J	U	U	5
Carbon Tetrachloride	U	U	U	5
Vinyl Acetate	U	U	U	10
Bromodichloromethane	U	U	U	5
1,2-Dichloropropane	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	5
Trichloroethene	U	U	U	5
Dibromochloromethane	U	U	U	5
1,1,2-Trichloroethane	U	U	U	5
Benzene	U	210J	U	5
trans-1,3-Dichloropropene	U	U	U	5
Bromoform	U	U	U	5
4-Methyl-2-pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	630J	8,400	5
1,1,2,2-Tetrachloroethane	U	U	U	5
Toluene	73J	3,700B	3,500B	5
Chlorobenzene	U	U	770J	5
Ethylbenzene	U	2,400J	1,400J	5
Styrene	U	U	U	5
Xylene (total)	59J	17,000B	8,100B	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.2R
30900-1312
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

All values are ug/Kg.

Sample Identification

<u>Dilution Factor</u>	<u>125.00</u>	<u>1,437.00</u>	
<u>Method Blank I.D.</u>	<u>>B0182</u>	<u>>B0182</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>SBVB2- 50-51.5</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	10
Bromomethane	U	U	10
Vinyl Chloride	U	U	10
Chloroethane	U	U	10
Methylene Chloride	270J	2,500JB	5
Acetone	1,800	14,000B	10
Carbon Disulfide	U	U	5
1,1-Dichloroethene	U	U	5
1,1-Dichloroethane	U	U	5
1,2-Dichloroethene (total)	U	U	5
Chloroform	U	U	5
1,2-Dichloroethane	U	U	5
2-Butanone	980J	U	10
1,1,1-Trichloroethane	U	U	5
Carbon Tetrachloride	U	U	5
Vinyl Acetate	U	U	10
Bromodichloromethane	U	U	5
1,2-Dichloropropane	U	U	5
cis-1,3-Dichloropropene	U	U	5
Trichloroethene	U	5,700J	5
Dibromochloromethane	U	U	5
1,1,2-Trichloroethane	U	U	5
Benzene	U	U	5
trans-1,3-Dichloropropene	U	U	5
Bromoform	88J	U	5
4-Methyl-2-pentanone	U	U	10
2-Hexanone	220J	U	10
Tetrachloroethene	U	94,000	5
1,1,2,2-Tetrachloroethane	U	U	5
Toluene	220J	13,000B	5
Chlorobenzene	U	890J	5
Ethylbenzene	74J	5,800JB	5
Styrene	U	U	5
Xylene (total)	210J	40,000B	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.3
30900-1312
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

All values are ug/Kg.

Sample Identification			
<u>Dilution Factor</u>	<u>1.00</u>	<u>1.04</u>	
<u>Method Blank I.D.</u>	<u>>B0066</u>	<u>>B0066</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>SVB4 -80- 81.5</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	10
Bromomethane	U	U	10
Vinyl Chloride	U	U	10
Chloroethane	U	U	10
Methylene Chloride	U	U	5
Acetone	U	9J	10
Carbon Disulfide	U	U	5
1,1-Dichloroethene	U	U	5
1,1-Dichloroethane	U	U	5
1,2-Dichloroethene (total)	U	U	5
Chloroform	U	U	5
1,2-Dichloroethane	U	U	5
2-Butanone	U	U	10
1,1,1-Trichloroethane	U	U	5
Carbon Tetrachloride	U	U	5
Vinyl Acetate	U	U	10
Bromodichloromethane	U	U	5
1,2-Dichloropropane	U	U	5
cis-1,3-Dichloropropene	U	U	5
Trichloroethene	U	U	5
Dibromochloromethane	U	U	5
1,1,2-Trichloroethane	U	U	5
Benzene	U	U	5
trans-1,3-Dichloropropene	U	U	5
Bromoform	U	U	5
4-Methyl-2-pentanone	U	U	10
2-Hexanone	U	U	10
Tetrachloroethene	U	2J	5
1,1,2,2-Tetrachloroethane	U	U	5
Toluene	U	U	5
Chlorobenzene	U	U	5
Ethylbenzene	U	U	5
Styrene	U	U	5
Xylene (total)	U	U	5

U, J - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.4R
30900-1312
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

All values are ug/Kg.

Sample Identification			
<u>Dilution Factor</u>	<u>1.00</u>	<u>1.10</u>	
<u>Method Blank I.D.</u>	<u>>A1749</u>	<u>>A1749</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>SVB2- 85-86.5</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	10
Bromomethane	U	U	10
Vinyl Chloride	U	U	10
Chloroethane	U	U	10
Methylene Chloride	2J	2JB	5
Acetone	5J	8JB	10
Carbon Disulfide	U	U	5
1,1-Dichloroethene	U	U	5
1,1-Dichloroethane	U	U	5
1,2-Dichloroethene (total)	U	U	5
Chloroform	U	U	5
1,2-Dichloroethane	U	U	5
2-Butanone	U	1J	10
1,1,1-Trichloroethane	U	U	5
Carbon Tetrachloride	U	U	5
Vinyl Acetate	U	U	10
Bromodichloromethane	U	U	5
1,2-Dichloropropane	U	U	5
cis-1,3-Dichloropropene	U	U	5
Trichloroethene	U	U	5
Dibromochloromethane	U	U	5
1,1,2-Trichloroethane	U	U	5
Benzene	U	U	5
trans-1,3-Dichloropropene	U	U	5
Bromoform	U	U	5
4-Methyl-2-pentanone	U	U	10
2-Hexanone	U	U	10
Tetrachloroethene	U	12	5
1,1,2,2-Tetrachloroethane	U	U	5
Toluene	U	0.7J	5
Chlorobenzene	U	U	5
Ethylbenzene	U	U	5
Styrene	U	U	5
Xylene (total)	U	6	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.5
30900-1312
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

<u>Dilution Factor</u>	<u>Sample Identification</u>			<u>Method Detection Limits with no Dilution</u>
	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>G5726</u>	<u>>G5726</u>	<u>>G5726</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>TB</u>	<u>HB 35</u>	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	U	U	U	5
Acetone	7J	17B	U	10
Carbon Disulfide	U	U	U	5
1,1-Dichloroethene	U	U	U	5
1,1-Dichloroethane	U	U	U	5
1,2-Dichloroethene (total)	U	U	U	5
Chloroform	U	U	U	5
1,2-Dichloroethane	U	U	U	5
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	U	U	5
Carbon Tetrachloride	U	U	U	5
Vinyl Acetate	U	U	U	10
Bromodichloromethane	U	U	U	5
1,2-Dichloropropane	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	5
Trichloroethene	U	U	U	5
Dibromochloromethane	U	U	U	5
1,1,2-Trichloroethane	U	U	U	5
Benzene	U	U	U	5
trans-1,3-Dichloropropene	U	U	U	5
Bromoform	U	U	U	5
4-Methyl-2-pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	5
Toluene	U	U	U	5
Chlorobenzene	U	U	U	5
Ethylbenzene	U	U	U	5
Styrene	U	U	U	5
Xylene (total)	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 3.0
30900-1312
UNISYS CORPORATION
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: Method Blank >B0219

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	None detected		

Sample Identification: SVB5-60-61.5

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
91178	Unknown alkane	24.23	100,000J
	Unknown alkane	21.92	65,000J
	Unknown C ₄ alkyl benzene	25.25	48,000J
	Unknown alkene/cycloalkane	23.06	42,000J
	Unknown C ₃ alkyl benzene	25.41	40,000J
	Unknown	23.84	36,000J
	Unknown C ₃ alkyl benzene	24.04	33,000J
	Unknown alkane	26.06	32,000J
	Decahydronaphthalene	26.00	31,000J
	Unknown alkene/cycloalkane	22.47	31,000J

Sample Identification: SVB5-50-51.5

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	Unknown C ₃ alkyl benzene	25.40	130,000J
	Unknown C ₃ alkyl benzene	24.03	120,000J
	Unknown alkane	21.91	120,000J
	Unknown C ₄ alkyl benzene	25.23	110,000J
	Unknown C ₄ alkyl benzene	25.85	110,000J
	Unknown alkane	24.26	100,000J
	Unknown C ₄ alkyl benzene	25.76	92,000J
	Unknown C ₄ alkyl benzene	26.28	91,000J
	Unknown C ₃ alkyl benzene	23.83	90,000J
	Unknown alkene/cycloalkane	23.05	88,000J

J - See Appendix for definition.

TABLE 3.1
30900-1312
UNISYS CORPORATION
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: SVB5-12

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	Unknown alkane	24.22	67,000J
	Unknown	23.05	41,000J
	Unknown C ₄ alkyl benzene	18.87	35,000J
	Unknown alkane	23.44	34,000J
	Unknown C ₃ alkyl benzene	25.40	27,000J
	Unknown alkene/cycloalkane	25.20	26,000J
	Unknown alkene/cycloalkane	23.80	23,000J
	Unknown alkyl benzene	19.82	19,000J
	Unknown C ₃ alkyl benzene	24.03	18,000J
	Unknown alkane	22.79	17,000J

Sample Identification: SVB5-70-71.5

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	Unknown alkane	24.27	90,000J
	Unknown alkane	21.92	64,000J
	Unknown C ₄ alkyl benzene	25.24	46,000J
	Unknown alkene/cycloalkane	23.06	40,000J
	Unknown C ₃ alkyl benzene	24.01	40,000J
91178	Decahydronaphthalene	25.99	35,000J
	Unknown C ₄ alkyl benzene	25.86	31,000J
	Unknown C ₃ alkyl benzene	25.41	31,000J
	Unknown alkane	26.09	31,000J
	Unknown C ₄ alkyl benzene	26.26	30,000J

Sample Identification: SVB5-80-81.5

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	Unknown alkane	24.22	60,000J
	Unknown alkane	26.05	36,000J
	Unknown alkane	21.91	32,000J
	Unknown alkene/cycloalkane	23.05	23,000J
	Unknown alkene/cycloalkane	25.23	19,000J

J - See Appendix for definition.

TABLE 3.2R
30900-1312
UNISYS CORPORATION
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: SVB5-80-81.5 (Continued)

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	Unknown C ₃ alkyl benzene	25.40	16,000J
	Unknown alkane	23.44	14,000J
	Unknown C ₃ alkyl benzene	23.99	14,000J
	Unknown C ₄ alkyl benzene	19.14	13,000J
	Unknown C ₃ alkyl benzene	23.83	11,000J

Sample Identification: Method Blank >B0182

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	None detected		

Sample Identification: SBVB2-50-51.5

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	Unknown alkane	24.09	84,000J
	Unknown alkene/cycloalkane	25.07	48,000J
	Unknown alkane	21.78	41,000J
	Unknown C ₃ alkyl benzene	23.86	34,000J
	Unknown C ₃ alkyl benzene	23.99	32,000J
	Unknown C ₃ alkyl benzene	25.26	30,000J
	Unknown aldehyde	22.92	27,000J
	Unknown alkene/cycloalkane	23.67	25,000J
	Unknown C ₄ alkyl benzene	25.69	25,000J
	Unknown C ₄ alkyl benzene	25.59	19,000J

Sample Identification: Method Blank >B0066

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	None detected		

J - See Appendix for definition.

TABLE 3.3
30900-1312
UNISYS CORPORATION
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: SVB4-80-81.5

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
91178	Unknown alkane	25.99	46J
	Unknown alkane	24.14	21J
	Unknown	26.28	16J
	Decahydronaphthalene	25.89	13J
	Unknown	26.15	11J
	Unknown alkane	24.59	9J
	Unknown alkane	25.34	9J
	Unknown	26.48	9J
	Unknown alkane	25.50	7J
	Unknown	25.11	7J

Sample Identification: Method Blank >A1749

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	None detected		

Sample Identification: SVB2-85-86.5

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/Kg</u>
	Unknown C ₁₁ alkane	24.54	200J
	Unknown C ₁₀ alkane	22.59	100J
	Unknown	25.48	91J
	Unknown C ₄ alkyl benzene	24.80	65J
	Unknown alkene/cycloalkane	23.73	60J
	Unknown C ₄ alkyl benzene	23.86	58J
	Unknown C ₃ alkyl benzene	24.15	49J
	Unknown C ₄ alkyl benzene	25.00	46J
	Unknown alkane	23.04	42J
	Unknown C ₄ alkyl benzene	24.44	40J

J - See Appendix for definition.

TABLE 3.4
30900-1312
UNISYS CORPORATION
VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Sample Identification: Method Blank >G5726

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
None detected			

Sample Identification: TB

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
None detected			

Sample Identification: HB 35

<u>CAS#</u>	<u>Compound</u>	<u>RT</u>	<u>Estimated Concentration, ug/L</u>
None detected			

TABLE 4.0
30900-1312
UNISYS CORPORATION
HYDROCARBON SCAN

All values are mg/Kg dry basis.

<u>YWC #</u>	<u>Client ID</u>	<u>#2 Fuel Oil</u>	<u>Other Hydrocarbons Detected/Comments</u>
1312011	SVB6-12'	ND	Scan does not resemble the pattern of #2 fuel oil. It appears to be a lighter hydrocarbon.

APPENDIX

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- X - Matrix spike compound.
- (1) - Cannot be separated from diphenylamine.
- (2) - Decomposes to azobenzene. Measured and calibrated as azobenzene.
- A - This flag indicates that a TIC is a suspected aldol condensation product.
- E - Indicates that it exceeds calibration curve range.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.



REPORT TRANSMITTAL

REPORT NUMBER 30900-1312A
DATE July 17, 1990

CLIENT Unisys Corporation
 Marcus Avenue
 Mail Stop 1-P-10
 Great Neck, NY 11020

ATTENTION Mr. Bob Wojciak

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

July 17, 1990

30900-1312A
UNISYS CORPORATION
Mail Stop 1-P-10
Great Neck, New York 11020

Re: Great Neck

Attention: Mr. Bob Wojciak

PURPOSE

Five samples collected on 06/26/90 were submitted to York Laboratories Division of YWC, Inc. by Unisys Corporation. The client requested the samples be analyzed for TCL volatile organics plus a library search for non-target compounds.

METHODOLOGY

Volatile organics were determined using purge and trap GC/MS. The instrumentation used was a Tekmar Dynamic Headspace Concentrator interfaced with a Hewlett-Packard Model 5995C GC/MS/DS.

All analyses were conducted according to NYSDEC '89 protocols.

DISCUSSION

The QC check standard (FMS) required per protocols for this job was included with job #30900-1312.

Sample SVB-7-80-80.5 was designated for QC purposes.

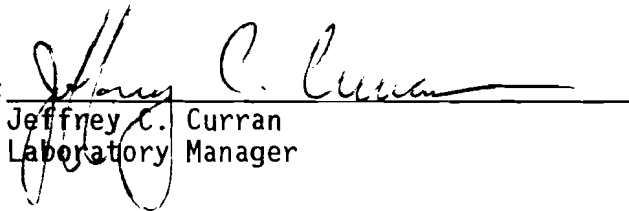
Volatile Organics - QC sample SVB-7-80-80.5 was analyzed as a medium level soil. Low level soil batch QC has also been provided.

The SVB prefixes on the client ID's have been left off EPA Form I's to accommodate computer form generation. Entire ID's are used in this report.

RESULTS

The results are presented in the following Tables. Also enclosed is the data package containing all relevant QA/QC and raw data.

Prepared by:


Jeffrey C. Curran
Laboratory Manager

JCC/adj

APPENDIX J3

ROUX 1990 VENT WELL CONSTRUCTION LOGS

MONITOR WELL DATA SHEET

PROJECT: Unisys - Great Neck

DATE: 5/10/91

RECORDED BY: R.A. Wojciak

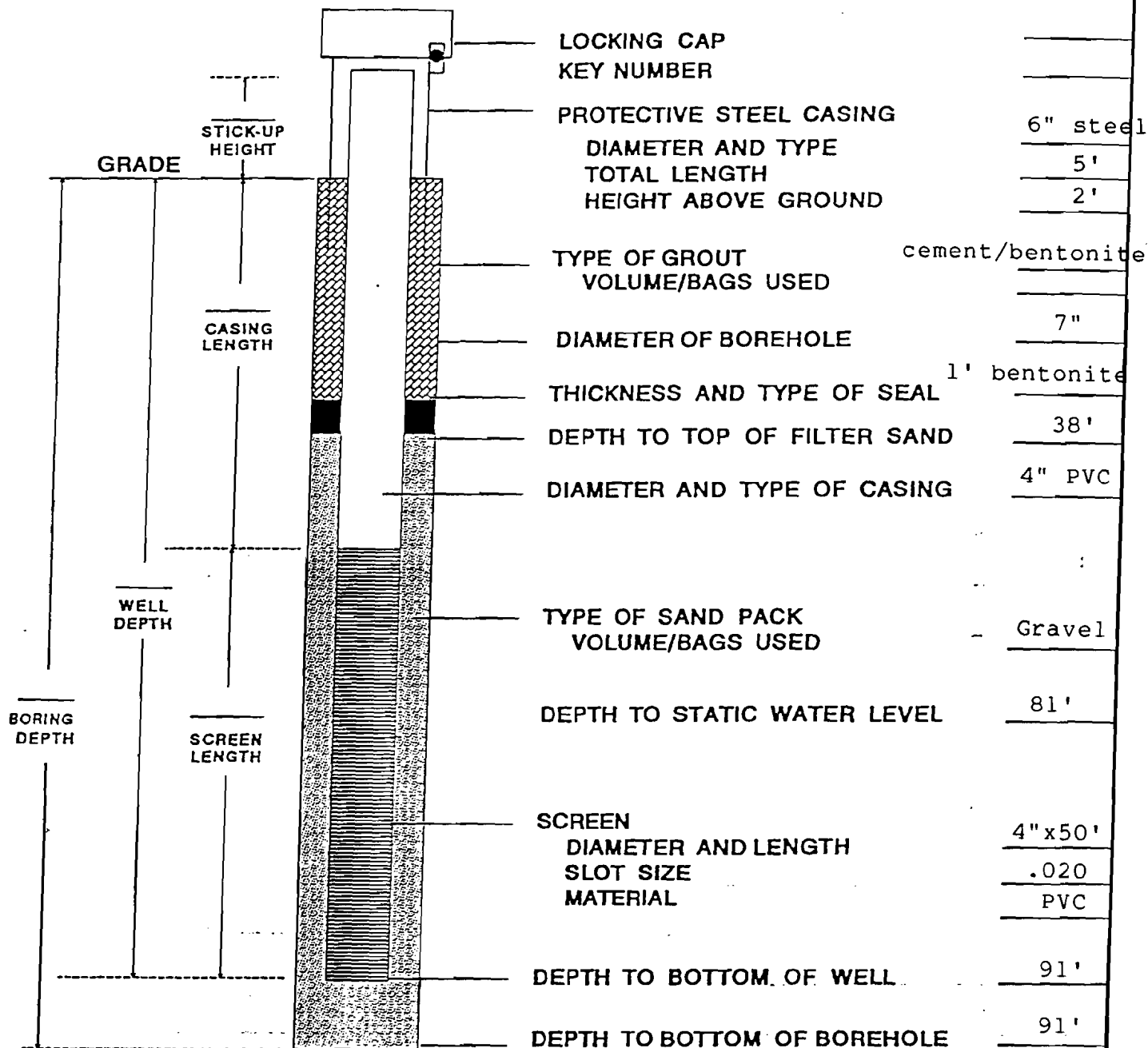
JOB CODE/CLIENT CODE: _____

MONITOR WELL NUMBER: VW-1

STATE WELL NUMBER: _____

GROUND ELEVATION: (SVB-2)

CASING ELEVATION: _____



DRILLING STARTED:

DATE 6/13/90 TIME 8:15 a.m.

INSTALLATION STARTED:

DATE 6/13/90 TIME 4:35 p.m.

DRILLING COMPLETED:

DATE 6/12/90 TIME 4:00 p.m.

INSTALLATION COMPLETED:

DATE 6/13/90 TIME 6:15 p.m.

MONITOR WELL DATA SHEET

PROJECT: Unisys - Great Neck DATE: 5/10/91
 RECORDED BY: R.A. Wojciak JOB CODE/CLIENT CODE: _____
 MONITOR WELL NUMBER: VW-2 STATE WELL NUMBER: _____
 GROUND ELEVATION: (SVB-3) CASING ELEVATION: _____

	<table border="0" style="width: 100%;"> <tr> <td>LOCKING CAP</td> <td>_____</td> </tr> <tr> <td>KEY NUMBER</td> <td>_____</td> </tr> <tr> <td>PROTECTIVE STEEL CASING</td> <td>_____</td> </tr> <tr> <td>DIAMETER AND TYPE</td> <td><u>6" steel</u></td> </tr> <tr> <td>TOTAL LENGTH</td> <td><u>3'</u></td> </tr> <tr> <td>HEIGHT ABOVE GROUND</td> <td><u>2'</u></td> </tr> <tr> <td>TYPE OF GROUT</td> <td><u>cement/bentonite</u></td> </tr> <tr> <td>VOLUME/BAGS USED</td> <td>_____</td> </tr> <tr> <td>DIAMETER OF BOREHOLE</td> <td><u>7"</u></td> </tr> <tr> <td>THICKNESS AND TYPE OF SEAL</td> <td><u>1' bentonite</u></td> </tr> <tr> <td>DEPTH TO TOP OF FILTER SAND</td> <td><u>16'</u></td> </tr> <tr> <td>DIAMETER AND TYPE OF CASING</td> <td><u>4" PVC</u></td> </tr> <tr> <td>TYPE OF SAND PACK</td> <td><u>Gravel</u></td> </tr> <tr> <td>VOLUME/BAGS USED</td> <td>_____</td> </tr> <tr> <td>DEPTH TO STATIC WATER LEVEL</td> <td><u>None hit obstruction</u></td> </tr> <tr> <td>SCREEN</td> <td><u>4"x20"</u></td> </tr> <tr> <td>DIAMETER AND LENGTH</td> <td>_____</td> </tr> <tr> <td>SLOT SIZE</td> <td><u>.020</u></td> </tr> <tr> <td>MATERIAL</td> <td><u>PVC</u></td> </tr> <tr> <td>DEPTH TO BOTTOM OF WELL</td> <td><u>40'</u></td> </tr> <tr> <td>DEPTH TO BOTTOM OF BOREHOLE</td> <td><u>40'</u></td> </tr> </table>	LOCKING CAP	_____	KEY NUMBER	_____	PROTECTIVE STEEL CASING	_____	DIAMETER AND TYPE	<u>6" steel</u>	TOTAL LENGTH	<u>3'</u>	HEIGHT ABOVE GROUND	<u>2'</u>	TYPE OF GROUT	<u>cement/bentonite</u>	VOLUME/BAGS USED	_____	DIAMETER OF BOREHOLE	<u>7"</u>	THICKNESS AND TYPE OF SEAL	<u>1' bentonite</u>	DEPTH TO TOP OF FILTER SAND	<u>16'</u>	DIAMETER AND TYPE OF CASING	<u>4" PVC</u>	TYPE OF SAND PACK	<u>Gravel</u>	VOLUME/BAGS USED	_____	DEPTH TO STATIC WATER LEVEL	<u>None hit obstruction</u>	SCREEN	<u>4"x20"</u>	DIAMETER AND LENGTH	_____	SLOT SIZE	<u>.020</u>	MATERIAL	<u>PVC</u>	DEPTH TO BOTTOM OF WELL	<u>40'</u>	DEPTH TO BOTTOM OF BOREHOLE	<u>40'</u>
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DRILLING STARTED:
 DATE 6/14/90 TIME 1:00 p.m.
 DRILLING COMPLETED:
 DATE 6/15/90 TIME 9:00 a.m.

INSTALLATION STARTED:
 DATE 6/15/90 TIME 10:00
 INSTALLATION COMPLETED:
 DATE 6/15/90 TIME 3:30

MONITOR WELL DATA SHEET

PROJECT: Unisys - Great Neck DATE: 5/20/90
 RECORDED BY: R.A. Wojciak JOB CODE/CLIENT CODE: _____
 MONITOR WELL NUMBER: VW -3 STATE WELL NUMBER: _____
 GROUND ELEVATION: (SVB-4) CASING ELEVATION: _____

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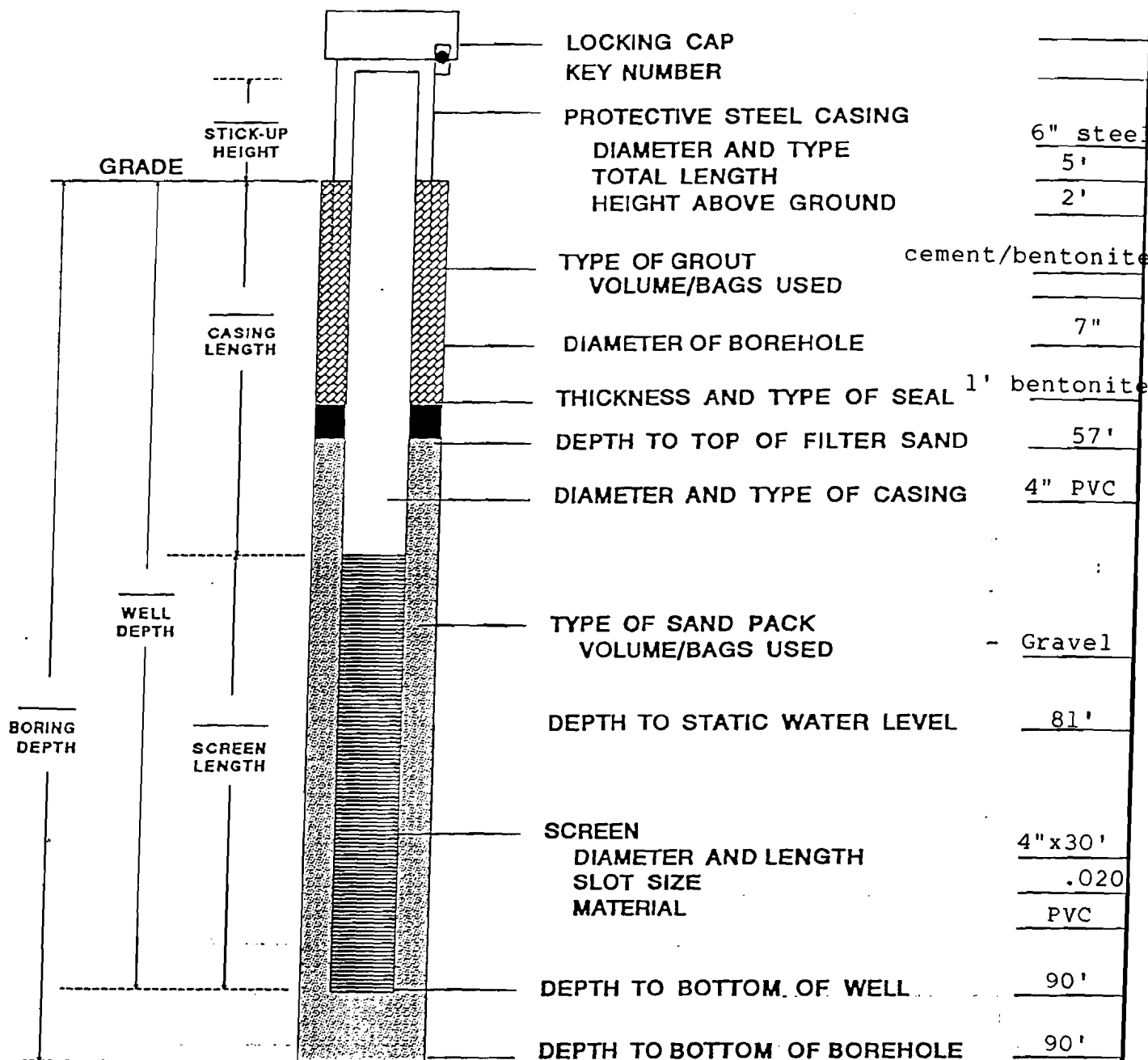
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 DATE 6/18/90 TIME 8:20 a.m.
 DRILLING COMPLETED:
 DATE 6/18/90 TIME 2:00 p.m.

INSTALLATION STARTED:
 DATE 6/18/90 TIME 2:00 p.m.
 INSTALLATION COMPLETED:
 DATE 6/18/90 TIME 5:00 p.m.

MONITOR WELL DATA SHEET

PROJECT: Unisys - Great Neck
 RECORDED BY: R.A. Wojciak
 MONITOR WELL NUMBER: VW-4
 GROUND ELEVATION: (SVB-5)

DATE: 5/10/90
 JOB CODE/CLIENT CODE: _____
 STATE WELL NUMBER: _____
 CASING ELEVATION: _____



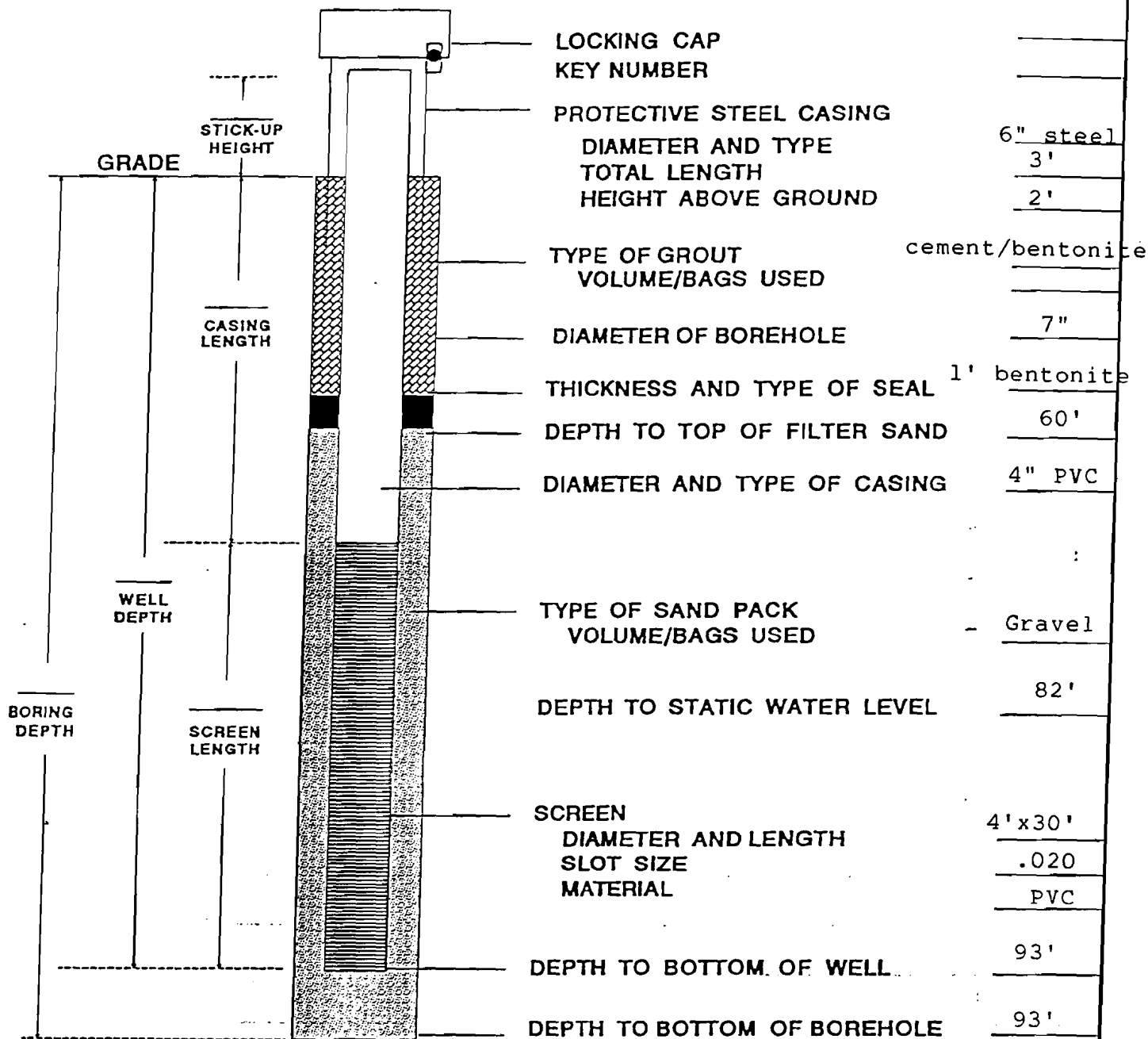
DRILLING STARTED:
 DATE 6/19/90 TIME 9:45
 DRILLING COMPLETED:
 DATE 6/20/90 TIME 1:00

INSTALLATION STARTED:
 DATE 6/20/90 TIME 2:00
 INSTALLATION COMPLETED:
 DATE 6/20/90 TIME 4:30

MONITOR WELL DATA SHEET

PROJECT: Unisys - Great Neck
 RECORDED BY: R.A. Wojciak
 MONITOR WELL NUMBER: VW-5
 GROUND ELEVATION: (SVB-7)

DATE: 5/10/91
 JOB CODE/CLIENT CODE: _____
 STATE WELL NUMBER: _____
 CASING ELEVATION: _____



DRILLING STARTED:
 DATE 6/21/90 TIME 2:15 p.m.
 DRILLING COMPLETED:
 DATE 6/22/90 TIME 2:00 p.m.

INSTALLATION STARTED:
 DATE 6/22/90 TIME 2:00 p.m.
 INSTALLATION COMPLETED:
 DATE 6/22/90 TIME 4:30 p.m.

MONITOR WELL DATA SHEET

PROJECT: Unisys - Great Neck

DATE: 5/10/90

RECORDED BY: R.A. Wojciak

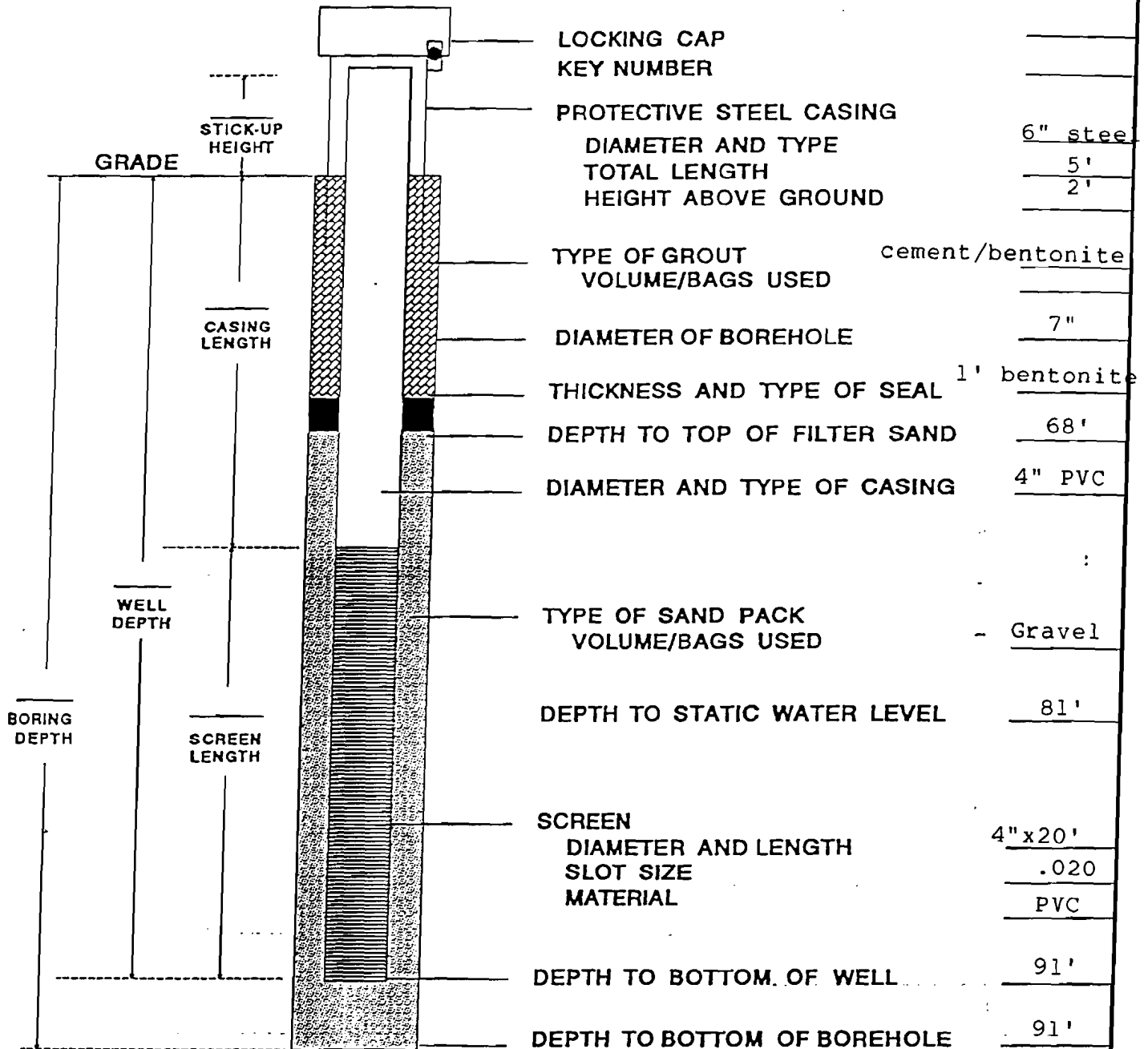
JOB CODE/CLIENT CODE: _____

MONITOR WELL NUMBER: VW-6

STATE WELL NUMBER: _____

GROUND ELEVATION: (SVB-9)

CASING ELEVATION: _____



DRILLING STARTED:

DATE 6/25/90 TIME 3:00 p.m.

DRILLING COMPLETED:

DATE 6/26/90 TIME 1:00 p.m.

INSTALLATION STARTED:

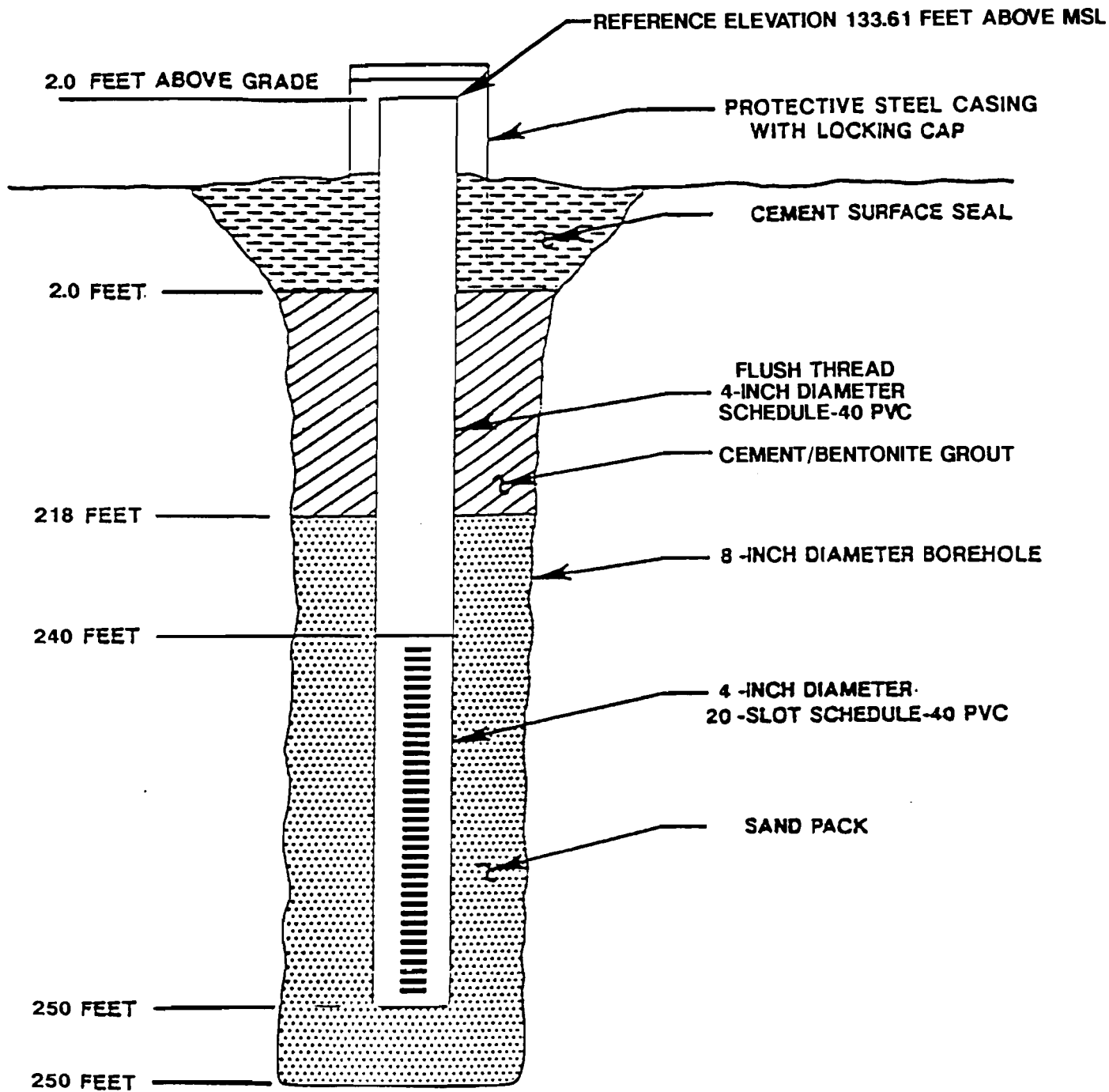
DATE 6/26/90 TIME 2:00 p.m.

INSTALLATION COMPLETED:

DATE 6/26/90 TIME 4:30 p.m.

APPENDIX J4

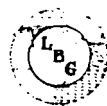
ROUX 1990 WELL CONSTRUCTION LOGS



NOT TO SCALE

**UNISYS CORPORATION
SHIPBOARD AND GROUND SYSTEMS GROUP
GREAT NECK, NEW YORK**

WELL CONSTRUCTION DIAGRAM OF WELL 12MI

DATE	REVISED	PREPARED BY:	LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water Consultants 72 Danbury Road Wilton, CT 06897 (203) 762-1207
			
		DATE: 1/13/92	FIGURE

APPENDIX J5

ROUX 1990 GROUND WATER CHEMISTRY



REPORT TRANSMITTAL

REPORT NUMBER 30900-1545
DATE September 10, 1990

CLIENT Unisys Corporation
 Marcus Avenue
 Mail Stop 1-P-10
 Great Neck, NY 11020

ATTENTION Mr. Bob Wojciak

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

September 10, 1990

30900-1545
UNISYS CORPORATION
Marcus Avenue
Mail Stop 1-P-10
Great Neck, New York 11020

Re: GW Monitoring

Attention: Mr. Bob Wojciak

PURPOSE

Twenty-two samples, three trip blanks, three field blanks and three holding blanks collected on July 30, 31, August 1, 2, 3, 4, 7, 1990 were submitted to York Laboratories Division of YWC, Inc. by Unisys Corporation. The client requested the samples be analyzed for the parameters listed in Table 1.0. Samples 8GU and 8GL were used for QC purposes.

METHODOLOGY

Volatile organics were determined using purge and trap GC/MS. The instrumentation used was a Tekmar Dynamic Headspace Concentrator interfaced with a Hewlett-Packard Model 5995C GC/MS/DS.

DISCUSSION

Volatile Organics -Sample 5GL was initially analyzed at two fold dilution and accepted, however, the sample results indicated that it could have been analyzed undiluted. The holding times had expired already, therefore the sample has been reported at the dilution.

The low level water initial calibration performed 06/01/90 on instrument B did not meet the NYSDEC '89 CLP 35.0% RSD criteria for the following compounds:

Acetone - 46.9% RSD
2-Butanone - 40.8% RSD
Vinyl Acetate - 172.0% RSD
4-Methyl-2-Pentanone - 35.8% RSD
2-Hexanone - 58.7% RSD

The following continuing calibration compounds did not meet the NYSDEC '89 CLP 35.0% Difference criteria despite a repeated attempt:

08/08/90 (>A2589) Instrument A
Acetone - 48.9% D
2-Hexanone - 48.9% D

2-Hexanone was not detected in any of the associated samples and acetone was not found above the CRQL. The impact upon the data is therefore minimal.

08/08/90 (>B0808) Instrument B
Chloromethane - 42.5% D
Chloroethane - 67.9% D
Vinyl Acetate - 179.0% D

None of the compounds were found in the associated samples; therefore, the impact upon the data is minimal.

08/09/90 (>B0829) Instrument B
Vinyl acetate - 311% D
Bromoform - 46.5% D
2-Hexanone - 57.4% D

None of the compounds were found in the associated samples, therefore, the impact upon the data is minimal.

08/07/90 (>G6630) Instrument G
2-Hexanone - 38.7% D

2-Hexanone was not detected in any of the associated samples, therefore, the impact upon the data is minimal.

08/08/90 (>G6649) Instrument G
Acetone - 38.0% D

Acetone was not found above the CRQL in any of the associated samples with the exception of samples 4GL and 1GU, where acetone was found above the CRQL, but less than ten times the concentration found in the associated method blank. The impact upon the data is therefore minimal, as the sample results would be qualified as undetected but at an elevated detection limited.

08/09/90 (>G6700) Instrument G
1,1-Dichloroethane - 50.7% D
Vinyl Acetate - 44.7% D

08/10/90 (>G6719) Instrument G
1,1-Dichloroethane - 61.5% D

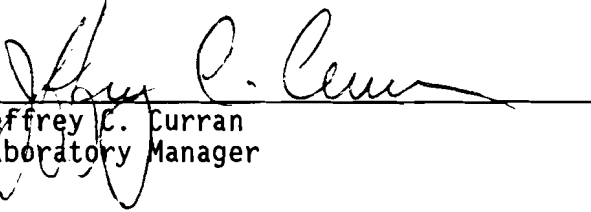
08/11/90 (>G6733) Instrument G
1,1-Dichloroethane - 60.2% D
Vinyl Acetate - 39.5% D

The compounds out of criteria in these three calibration standards were not detected in any of the associated samples. The impact upon the data is therefore minimal.

RESULTS

The results are presented in the following Tables.

Prepared by:


Jeffrey C. Curran
Laboratory Manager

JCC/tma

The liability of YWC, Inc. is limited to the actual dollar value of this project.

TABLE 1.0
30900-1545
UNISYS CORPORATION
ANALYTICAL REQUESTS

<u>Sample Identification</u>	<u>Requested Parameters</u>
4MI, 4GL, FB 7/30/90, TB 7/30/90, 12MI, 12ML, 1GU, 1GL, 1MI, FB 8/01/90, TB 8/01/90, 9GL, Holding Blank 35 8/02/90, 2GL, 3GL, 11GL, 8GU, 2MI, 1ML, Decon, FB 8/03/90, TB 8/03/90, Holding Blank 035, 8GL, 11MI, 1MI/L, 7GL, 5GI, 5MI, 6468- 00, 10GL, Holding Blank 35 8/07/90	TCL volatile organics plus a library search for non-target compounds

TABLE 2.0
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification				Method Detection Limits with no Dilution
<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>G6631</u>	<u>>G6631</u>	<u>>G6631</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>12MI</u>	<u>12ML</u>	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	U	8	24	5
Acetone	U	U	U	10
Carbon Disulfide	U	U	U	5
1,1-Dichloroethene	U	2J	U	5
1,1-Dichloroethane	U	0.9J	U	5
1,2-Dichloroethene (total)	U	170	51	5
Chloroform	U	U	U	5
1,2-Dichloroethane	U	U	U	5
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	2J	U	5
Carbon Tetrachloride	U	U	U	5
Vinyl Acetate	U	U	U	10
Bromodichloromethane	U	U	U	5
1,2-Dichloropropane	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	5
Trichloroethene	U	54	5	5
Dibromochloromethane	U	U	U	5
1,1,2-Trichloroethane	U	U	U	5
Benzene	U	1J	U	5
trans-1,3-Dichloropropene	U	U	U	5
Bromoform	U	U	U	5
4-Methyl-2-pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	44	11	5
1,1,2,2-Tetrachloroethane	U	U	U	5
Toluene	U	2J	0.6J	5
Chlorobenzene	U	U	U	5
Ethylbenzene	U	U	U	5
Styrene	U	U	U	5
Xylene (total)	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.1
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>G6652</u>	<u>>G6652</u>	<u>>G6652</u>	<u>>G6652</u>	<u>>G6652</u>	
		HB REF				
<u>Compound</u>	<u>Method</u>	<u>35 8/</u>	<u>TB</u>	<u>TB</u>	<u>FB</u>	<u>Method</u>
	<u>Blank</u>	<u>01/90</u>	<u>08/03/90</u>	<u>TB</u>	<u>08/01/90</u>	<u>Detection Limits</u>
						<u>with no Dilution</u>
Chloromethane	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	10
Methylene Chloride	2J	1JB	7B	9B	U	5
Acetone	9J	U	6JB	U	5JB	10
Carbon Disulfide	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	U	5
1,2-Dichloroethene (total)	U	U	U	U	1J	5
Chloroform	U	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	U	5
2-Butanone	U	U	U	U	U	10
1,1,1-Trichloroethane	U	U	U	U	U	5
Carbon Tetrachloride	U	U	U	U	U	5
Vinyl Acetate	U	U	U	U	U	10
Bromodichloromethane	U	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	U	5
Trichloroethene	U	U	U	U	0.9J	5
Dibromochloromethane	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	5
Benzene	U	U	U	U	U	5
trans-1,3-Dichloropropene	U	U	U	U	U	5
Bromoform	U	U	U	U	U	5
4-Methyl-2-pentanone	U	U	U	U	U	10
2-Hexanone	U	U	U	U	U	10
Tetrachloroethene	U	U	U	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5
Toluene	U	U	0.5J	U	0.5J	5
Chlorobenzene	U	U	U	U	U	5
Ethylbenzene	U	U	U	U	U	5
Styrene	U	U	U	U	U	5
Xylene (total)	U	U	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.2
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>2.0</u>	<u>2.0</u>	<u>10.0</u>	
<u>Method Blank I.D.</u>	<u>>G6652</u>	<u>>G6652</u>	<u>>G6652</u>	<u>>G6652</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>4GL</u>	<u>1GU</u>	<u>4MI</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	U	U	10
Bromomethane	U	U	U	U	10
Vinyl Chloride	U	U	U	U	10
Chloroethane	U	U	U	U	10
Methylene Chloride	2J	13B	3JB	16JB	5
Acetone	9J	21B	26B	60JB	10
Carbon Disulfide	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	5
1,2-Dichloroethene (total)	U	210	190	820	5
Chloroform	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	5
2-Butanone	U	U	U	U	10
1,1,1-Trichloroethane	U	U	U	U	5
Carbon Tetrachloride	U	U	U	U	5
Vinyl Acetate	U	U	U	U	10
Bromodichloromethane	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	5
Trichloroethene	U	71	23	210	5
Dibromochloromethane	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	5
Benzene	U	U	U	U	5
trans-1,3-Dichloropropene	U	U	U	U	5
Bromoform	U	U	U	U	5
4-Methyl-2-pentanone	U	U	U	U	10
2-Hexanone	U	U	U	U	10
Tetrachloroethene	U	34	19	190	5
1,1,2,2-Tetrachloroethane	U	U	U	U	5
Toluene	U	U	U	U	5
Chlorobenzene	U	U	U	U	5
Ethylbenzene	U	U	U	U	5
Styrene	U	U	U	U	5
Xylene (total)	U	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.3
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification					
<u>Dilution Factor</u>	<u>1.0</u>	<u>5.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>
<u>Method Blank I.D.</u>	<u>>G6666</u>	<u>>G6666</u>	<u>>G6666</u>	<u>>G6666</u>	<u>>G6666</u>
<u>Compound</u>	<u>Method</u>	<u>1MI</u>	<u>HB REF</u>	<u>8GU</u>	<u>2MI</u>
	<u>Blank</u>		<u>35 8/</u>		
			<u>04/90</u>		
Chloromethane	U	U	U	U	U
Bromomethane	U	U	U	U	U
Vinyl Chloride	U	U	U	U	U
Chloroethane	U	U	U	U	U
Methylene Chloride	U	11J	U	U	2J
Acetone	U	24J	U	U	U
Carbon Disulfide	U	U	U	U	U
1,1-Dichloroethene	U	U	U	3J	U
1,1-Dichloroethane	U	U	U	0.9J	U
1,2-Dichloroethene (total)	U	700	U	72J	120
Chloroform	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U
2-Butanone	U	U	U	U	U
1,1,1-Trichloroethane	U	U	U	4J	1J
Carbon Tetrachloride	U	U	U	U	U
Vinyl Acetate	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U
cis-1,3-Dichloropropene	U	U	U	U	U
Trichloroethene	U	120	U	46	56
Dibromochloromethane	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U
Benzene	U	U	U	U	U
trans-1,3-Dichloropropene	U	U	U	U	U
Bromoform	U	U	U	U	U
4-Methyl-2-pentanone	U	U	U	U	U
2-Hexanone	U	U	U	U	U
Tetrachloroethene	U	94	U	37	34
1,1,2,2-Tetrachloroethane	U	U	U	U	U
Toluene	U	3J	U	U	1J
Chlorobenzene	U	U	U	U	U
Ethylbenzene	U	U	U	U	U
Styrene	U	U	U	U	U
Xylene (total)	U	U	U	U	U

Method
Detection Limits
with no Dilution

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.4
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>10.0</u>	<u>10.0</u>	<u>10.0</u>	
<u>Method Blank I.D.</u>	<u>>G6687</u>	<u>>G6687</u>	<u>>G6687</u>	<u>>G6687</u>	<u>>G6687</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>TB 08/03/90</u>	<u>3GL</u>	<u>11GL</u>	<u>2GL</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	10
Methylene Chloride	1J	U	28JB	U	31JB	5
Acetone	U	3J	140	U	210	10
Carbon Disulfide	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	U	5
1,2-Dichloroethene (total)	U	U	1,900	1,800	1,200	5
Chloroform	U	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	U	5
2-Butanone	U	U	U	U	U	10
1,1,1-Trichloroethane	U	U	U	U	U	5
Carbon Tetrachloride	U	U	U	U	U	5
Vinyl Acetate	U	U	U	U	U	10
Bromodichloromethane	U	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	U	5
Trichloroethene	U	U	280	170	230	5
Dibromochloromethane	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	5
Benzene	U	U	U	U	U	5
trans-1,3-Dichloropropene	U	U	U	U	U	5
Bromoform	U	U	U	U	U	5
4-Methyl-2-pentanone	U	U	U	U	U	10
2-Hexanone	U	U	U	U	U	10
Tetrachloroethene	U	U	270	520	160	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5
Toluene	0.7J	0.6JB	6JB	U	U	5
Chlorobenzene	U	U	U	U	U	5
Ethylbenzene	U	U	U	U	U	5
Styrene	U	U	U	U	U	5
Xylene (total)	U	U	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.5
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>2.0</u>	<u>2.0</u>	
<u>Method Blank I.D.</u>	<u>>G6702</u>	<u>>G6702</u>	<u>>G6702</u>	<u>>G6702</u>	<u>>G6702</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>1ML</u>	<u>5MI</u>	<u>8GL</u>	<u>5GL</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	10
Methylene Chloride	2J	U	U	4JB	8JB	5
Acetone	5J	U	5JB	U	9JB	10
Carbon Disulfide	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	U	5
1,2-Dichloroethene (total)	U	U	69	270	30	5
Chloroform	U	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	U	5
2-Butanone	U	U	U	U	U	10
1,1,1-Trichloroethane	U	U	0.8J	U	1J	5
Carbon Tetrachloride	U	U	U	U	U	5
Vinyl Acetate	U	U	U	U	U	10
Bromodichloromethane	U	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	U	5
Trichloroethene	U	17	17	150	9J	5
Dibromochloromethane	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	5
Benzene	U	U	U	U	U	5
trans-1,3-Dichloropropene	U	U	U	U	U	5
Bromoform	U	U	U	U	U	5
4-Methyl-2-pentanone	U	U	U	U	U	10
2-Hexanone	U	U	U	U	U	10
Tetrachloroethene	U	11	9	75	5J	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5
Toluene	U	0.6J	2J	U	U	5
Chlorobenzene	U	U	U	U	U	5
Ethylbenzene	U	U	U	U	U	5
Styrene	U	U	U	U	U	5
Xylene (total)	U	U	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.6
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>2.0</u>	<u>5.0</u>	<u>5.0</u>	<u>2.0</u>	
<u>Method Blank I.D.</u>	<u>>G6722</u>	<u>>G6722</u>	<u>>G6722</u>	<u>>G6722</u>	<u>>G6722</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>7GL</u>	<u>11MI</u>	<u>1M1/L</u>	<u>8GL MS</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	10
Methylene Chloride	2J	4JB	6JB	U	3JB	5
Acetone	14	26B	17JB	19JB	U	10
Carbon Disulfide	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	110X	5
1,1-Dichloroethane	U	U	U	U	U	5
1,2-Dichloroethene (total)	U	220	810	510	280	5
Chloroform	U	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	U	5
2-Butanone	U	U	U	U	U	10
1,1,1-Trichloroethane	U	U	U	U	U	5
Carbon Tetrachloride	U	U	U	U	U	5
Vinyl Acetate	U	U	U	U	U	10
Bromodichloromethane	U	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	U	5
Trichloroethene	U	93	170	370	250X	5
Dibromochloromethane	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	5
Benzene	U	U	U	U	92X	5
trans-1,3-Dichloropropene	U	U	U	U	U	5
Bromoform	U	U	U	U	U	5
4-Methyl-2-pentanone	U	U	U	U	U	10
2-Hexanone	U	U	U	U	U	10
Tetrachloroethene	U	43	100	84	81	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5
Toluene	U	U	U	U	95X	5
Chlorobenzene	U	U	U	U	94X	5
Ethylbenzene	U	U	U	U	U	5
Styrene	U	U	U	U	U	5
Xylene (total)	U	U	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.7
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>2.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>G6722</u>	<u>>G6722</u>	<u>>G6722</u>	<u>>G6722</u>	<u>>G6722</u>	<u>>G6722</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>8GL MSD</u>	<u>MSB 8GL</u>	<u>8GU MS</u>	<u>8GU MSD</u>	<u>MSB 8GU</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	U	10
Methylene Chloride	2J	U	1JB	U	U	U	5
Acetone	14	U	5JB	U	U	4JB	10
Carbon Disulfide	U	U	U	U	U	U	5
1,1-Dichloroethene	U	91X	47	49X	44X	46X	5
1,1-Dichloroethane	U	U	U	U	U	U	5
1,2-Dichloroethene (total)	U	250	U	62	64	U	5
Chloroform	U	U	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	U	U	5
2-Butanone	U	U	U	U	U	U	10
1,1,1-Trichloroethane	U	U	U	4J	4J	U	5
Carbon Tetrachloride	U	U	U	U	U	U	5
Vinyl Acetate	U	U	U	U	U	U	10
Bromodichloromethane	U	U	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	5
Trichloroethene	U	240X	46	91X	92X	50X	5
Dibromochloromethane	U	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	U	5
Benzene	U	97X	46	47X	47X	50X	5
trans-1,3-Dichloropropene	U	U	U	U	U	U	5
Bromoform	U	U	U	U	U	U	5
4-Methyl-2-pentanone	U	U	U	U	U	U	10
2-Hexanone	U	U	U	U	U	U	10
Tetrachloroethene	U	77	U	33	34	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	5
Toluene	U	99X	47	46X	47X	49X	5
Chlorobenzene	U	99X	47	47X	47X	50X	5
Ethylbenzene	U	U	U	U	U	U	5
Styrene	U	U	U	U	U	U	5
Xylene (total)	U	U	U	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.8
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification				Method Detection Limits with no Dilution
<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>G6735</u>	<u>>G6735</u>	<u>>G6735</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>10GL</u>	<u>HB REF 35 8/ 07/90</u>	
Chloromethane	U	U	U	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	1J	U	2JB	5
Acetone	16	U	U	10
Carbon Disulfide	U	U	U	5
1,1-Dichloroethene	U	3J	U	5
1,1-Dichloroethane	U	U	U	5
1,2-Dichloroethene (total)	U	85	U	5
Chloroform	U	U	U	5
1,2-Dichloroethane	U	U	U	5
2-Butanone	U	U	U	10
1,1,1-Trichloroethane	U	3J	U	5
Carbon Tetrachloride	U	U	U	5
Vinyl Acetate	U	U	U	10
Bromodichloromethane	U	U	U	5
1,2-Dichloropropane	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	5
Trichloroethene	U	49	2J	5
Dibromochloromethane	U	U	U	5
1,1,2-Trichloroethane	U	U	U	5
Benzene	U	U	0.9J	5
trans-1,3-Dichloropropene	U	U	U	5
Bromoform	U	U	U	5
4-Methyl-2-pentanone	U	U	U	10
2-Hexanone	U	U	U	10
Tetrachloroethene	U	41	U	5
1,1,2,2-Tetrachloroethane	U	U	U	5
Toluene	0.8J	0.6JB	2JB	5
Chlorobenzene	U	U	U	5
Ethylbenzene	U	U	U	5
Styrene	U	U	U	5
Xylene (total)	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.9
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification			
<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>B0831</u>	<u>>B0831</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>DECON</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	10
Bromomethane	U	U	10
Vinyl Chloride	U	U	10
Chloroethane	U	U	10
Methylene Chloride	4J	U	5
Acetone	20	U	10
Carbon Disulfide	U	U	5
1,1-Dichloroethene	U	U	5
1,1-Dichloroethane	U	U	5
1,2-Dichloroethene (total)	U	U	5
Chloroform	U	U	5
1,2-Dichloroethane	U	U	5
2-Butanone	U	U	10
1,1,1-Trichloroethane	U	U	5
Carbon Tetrachloride	U	U	5
Vinyl Acetate	U	U	10
Bromodichloromethane	U	U	5
1,2-Dichloropropane	U	U	5
cis-1,3-Dichloropropene	U	U	5
Trichloroethene	U	U	5
Dibromochloromethane	U	U	5
1,1,2-Trichloroethane	U	U	5
Benzene	U	U	5
trans-1,3-Dichloropropene	U	U	5
Bromoform	U	U	5
4-Methyl-2-pentanone	U	U	10
2-Hexanone	U	U	10
Tetrachloroethene	U	U	5
1,1,2,2-Tetrachloroethane	U	U	5
Toluene	U	U	5
Chlorobenzene	U	U	5
Ethylbenzene	U	U	5
Styrene	U	U	5
Xylene (total)	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.10
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification					Method Detection Limits with no Dilution
<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>50.0</u>	
<u>Method Blank I.D.</u>	<u>>B0810</u>	<u>>B0810</u>	<u>>B0810</u>	<u>>B0810</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>FB</u>	<u>9GL</u>	<u>1GL</u>	
Chloromethane	U	U	U	U	10
Bromomethane	U	U	U	U	10
Vinyl Chloride	U	U	U	U	10
Chloroethane	U	U	U	U	10
Methylene Chloride	U	4J	6	84J	5
Acetone	10	11B	6JB	730B	10
Carbon Disulfide	U	U	U	U	5
1,1-Dichloroethene	U	U	2J	U	5
1,1-Dichloroethane	U	U	0.7J	U	5
1,2-Dichloroethene (total)	U	U	100	6,600	5
Chloroform	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	5
2-Butanone	2J	1JB	U	U	10
1,1,1-Trichloroethane	U	U	2J	U	5
Carbon Tetrachloride	U	U	U	U	5
Vinyl Acetate	U	U	U	U	10
Bromodichloromethane	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	5
cis-1,3-Dichloropropene	U	U	U	U	5
Trichloroethene	U	U	46	490	5
Dibromochloromethane	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	5
Benzene	U	U	U	U	5
trans-1,3-Dichloropropene	U	U	U	U	5
Bromoform	U	U	U	U	5
4-Methyl-2-pentanone	U	U	U	U	10
2-Hexanone	U	U	U	U	10
Tetrachloroethene	U	U	38	660	5
1,1,2,2-Tetrachloroethane	U	U	U	U	5
Toluene	U	U	0.7J	U	5
Chlorobenzene	U	U	U	U	5
Ethylbenzene	U	U	U	U	5
Styrene	U	U	U	U	5
Xylene (total)	U	U	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

TABLE 2.11
30900-1545
UNISYS CORPORATION
EPA TCL VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification			
<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>A2591</u>	<u>>A2591</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>FB 08/03/90</u>	<u>Method Detection Limits with no Dilution</u>
Chloromethane	U	U	10
Bromomethane	U	U	10
Vinyl Chloride	U	U	10
Chloroethane	U	U	10
Methylene Chloride	U	2J	5
Acetone	6J	5JB	10
Carbon Disulfide	U	U	5
1,1-Dichloroethene	U	U	5
1,1-Dichloroethane	U	U	5
1,2-Dichloroethene (total)	U	U	5
Chloroform	U	U	5
1,2-Dichloroethane	U	U	5
2-Butanone	3J	U	10
1,1,1-Trichloroethane	U	U	5
Carbon Tetrachloride	U	U	5
Vinyl Acetate	U	U	10
Bromodichloromethane	U	U	5
1,2-Dichloropropane	U	U	5
cis-1,3-Dichloropropene	U	U	5
Trichloroethene	U	U	5
Dibromochloromethane	U	U	5
1,1,2-Trichloroethane	U	U	5
Benzene	U	U	5
trans-1,3-Dichloropropene	U	U	5
Bromoform	U	U	5
4-Methyl-2-pentanone	U	U	10
2-Hexanone	U	U	10
Tetrachloroethene	U	U	5
1,1,2,2-Tetrachloroethane	U	U	5
Toluene	U	1J	5
Chlorobenzene	U	U	5
Ethylbenzene	U	U	5
Styrene	U	U	5
Xylene (total)	U	U	5

U, J, B - See Appendix for definition.

Note: Sample detection limit = MDL x dilution factor.

APPENDIX

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- X - Matrix spike compound.
- (1) - Cannot be separated from diphenylamine.
- (2) - Decomposes to azobenzene. Measured and calibrated as azobenzene.
- A - This flag indicates that a TIC is a suspected aldol condensation product.
- E - Indicates that it exceeds calibration curve range.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.



REPORT TRANSMITTAL

REPORT NUMBER 30910-0017
DATE October 26, 1990

CLIENT Unisys Corporation
 1270 Volunteer Parkway
 Bristol, TN 37620

ATTENTION Mr. Bob Wojciak

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

October 26, 1990

30910-0017
UNISYS CORPORATION
1270 Volunteer Parkway
Bristol, Tennessee 37620

Re: Great Neck #17503Y

Attention: Mr. Bob Wojciak

PURPOSE

Three samples and two trip blanks collected on October 2, 3 and 5, 1990 were submitted to York Laboratories Division of YWC, Inc. by Unisys Corporation. The client requested the samples be analyzed for the parameters listed in Table 1.0.

METHODOLOGY

Volatile organics were determined by purge and trap gas chromatography utilizing Hall/PID detectors. Dual detector and/or column confirmation was used to verify all positive hits. Volatile organics were analyzed according to EPA Method 601/602.

Semi-volatile organics were determined using capillary GC/MS. The instrumentation used was a Hewlett-Packard Model 5890 gas chromatograph interfaced with a Model 5970 Mass Selective Detector.

Metals were determined by ICP using either a JA61 simultaneous ICAP or a PE6500 XR sequential ICP. Graphite furnace elements were determined using either a PEZ5100 or a PEZ3030 GFAAS.

All other analyses were conducted according to Standard Methods for the Examination of Water and Wastewater, 16th Edition, 1985, APHA-AWWA-WPCF; and Methods for Chemical Analysis of Water and Wastes, USEPA 600/4-79-020.

DISCUSSION

Volatile Organics - All samples labeled Pumping Well #2 required a dilution. Sample TB 10/03/90 was confirmed on an opened vial. Only two vials were sent of this sample and a rerun was necessary.

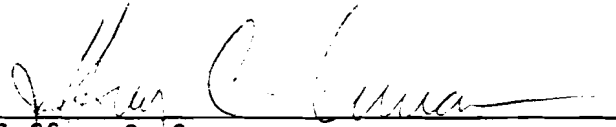
Semi-Volatile Organics - Sample Pumping Well #2 was analyzed on October 17, 1990 and exhibited less than 50 percent recovery for the last internal standard. No target compounds associated with the last internal standard were detected, therefore the impact upon the results is minimal. The sample could not be reanalyzed in time for the client's deadline, however we will reanalyze and contact the client concerning the result.

Classical Chemistry - Silica was not analyzed for because of insufficient sample volume.

RESULTS

The results are presented in the following Tables.

Prepared by:


Jeffrey C. Curran
Laboratory Manager

JCC/mt

The liability of YWC, Inc. is limited to the actual dollar value of this project.

TABLE 1.0
30910-0017
UNISYS CORPORATION
ANALYTICAL REQUESTS

<u>Sample Identification</u>	<u>Requested Parameters</u>
Pumping Well #2 10/03/90	601/602 volatile organics, priority pollutant semi-volatile organics, lead, calcium, iron, potassium, magnesium, manganese, sodium, zinc, alkalinity, biochemical oxygen demand (5 day), chloride, chemical oxygen demand, conductivity, hardness, anion/cation balance, nitrate/nitrite-nitrogen, pH, silica, sulfate, total dissolved solids, total organic carbon, total suspended solids
Pumping Well #2 10/02/90, TB 10/03/90, Pumping Well #2 10/05/90, TB 10/05/90	601/602 volatile organics

TABLE 2.0
30910-0017
UNISYS CORPORATION
601/602 VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>10.0</u>	<u>10.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>1010</u>	<u>1010</u>	<u>1010</u>	<u>1010</u>	
		Pumping	Pumping		
	Method	Well #2	Well #2	TB	
<u>Compound</u>	<u>Blank</u>	<u>10/03/90</u>	<u>10/02/90</u>	<u>10/03/90</u>	<u>Quantitation Limits with no Dilution</u>
Dichlorodifluoromethane	U	U	U	U	1.8
Chloromethane	U	U	U	U	2.2
Vinyl Chloride	U	U	U	U	1.2
Bromomethane	U	U	U	U	2.9
Chloroethane	U	U	U	U	2.8
Trichlorofluoromethane	U	U	U	U	2.9
1,1-Dichloroethene	U	U	U	U	1.1
Methylene Chloride	2.4J	24JB	22JB	1.3JB	2.5
trans-1,2-Dichloroethene	U	U	U	U	1.0
1,1-Dichloroethane	U	U	U	U	1.0
Chloroform	0.6J	U	U	U	1.0
1,1,1-Trichloroethane	0.1J	U	U	U	1.0
Carbon Tetrachloride	U	U	U	U	1.0
Benzene	U	U	U	U	1.0
1,2-Dichloroethane	U	U	U	U	1.0
Trichloroethene	U	360	280	U	1.0
1,2-Dichloropropane	U	U	U	U	1.0
Bromodichloromethane	U	U	U	U	1.0
2-Chloroethyl vinyl ether	U	U	U	U	1.0
cis-1,3-Dichloropropene	U	U	U	U	1.3
Toluene	U	U	U	U	1.0
trans-1,3-Dichloropropene	U	U	U	U	1.3
1,1,2-Trichloroethane	U	U	U	U	1.0
Tetrachloroethene	U	520	410	U	1.0
Dibromochloromethane	U	U	U	U	1.0
Chlorobenzene	U	U	U	U	1.0
Ethylbenzene	U	U	U	U	1.0
Bromoform	U	U	U	U	1.0
1,1,2,2-Tetrachloroethane	U	U	U	U	1.0
1,3-Dichlorobenzene	U	U	U	U	1.0
1,4-Dichlorobenzene	U	U	U	U	1.0
1,2-Dichlorobenzene	U	U	U	U	1.0

U, J, B - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 2.1
30910-0017
UNISYS CORPORATION
601/602 VOLATILE ORGANICS

Aqueous

All values are ug/L.

Sample Identification				Quantitation Limits with no Dilution
<u>Dilution Factor</u>	<u>1.0</u>	<u>10.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>1010</u>	<u>1010</u>	<u>1010</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>Pumping Well #2 10/05/90</u>	<u>TB 10/05/90</u>	
Dichlorodifluoromethane	U	U	U	1.8
Chloromethane	U	U	U	2.2
Vinyl Chloride	U	U	U	1.2
Bromomethane	U	U	U	2.9
Chloroethane	U	U	U	2.8
Trichlorofluoromethane	U	U	U	2.9
1,1-Dichloroethene	U	U	U	1.1
Methylene Chloride	2.4J	18JB	1.1	2.5
trans-1,2-Dichloroethene	U	U	U	1.0
1,1-Dichloroethane	U	U	U	1.0
Chloroform	0.6J	U	U	1.0
1,1,1-Trichloroethane	0.1J	U	U	1.0
Carbon Tetrachloride	U	U	U	1.0
Benzene	U	U	U	1.0
1,2-Dichloroethane	U	U	U	1.0
Trichloroethene	U	330	0.3J	1.0
1,2-Dichloropropane	U	U	U	1.0
Bromodichloromethane	U	U	U	1.0
2-Chloroethyl vinyl ether	U	U	U	1.0
cis-1,3-Dichloropropene	U	U	U	1.3
Toluene	U	U	U	1.0
trans-1,3-Dichloropropene	U	U	U	1.3
1,1,2-Trichloroethane	U	U	U	1.0
Tetrachloroethene	U	470	0.9J	1.0
Dibromochloromethane	U	U	U	1.0
Chlorobenzene	U	U	U	1.0
Ethylbenzene	U	U	U	1.0
Bromoform	U	U	U	1.0
1,1,2,2-Tetrachloroethane	U	U	U	1.0
1,3-Dichlorobenzene	U	U	U	1.0
1,4-Dichlorobenzene	U	U	U	1.0
1,2-Dichlorobenzene	U	U	U	1.0

U, J, B - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 3.0
30910-0017
UNISYS CORPORATION
EPA PRIORITY POLLUTANT SEMI-VOLATILE ORGANICS
All values are ug/L.

Aqueous
Page 1 of 2

<u>Dilution Factor</u>	<u>Sample Identification</u>		<u>Quantitation Limits with no Dilution</u>
	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>H0479</u>	<u>>H0479</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>Pumping Well #2 10/03/90</u>	
N-nitrosodimethyl amine	U	U	10
bis(2-Chloroethyl)ether	U	U	10
1,3-Dichlorobenzene	U	U	10
1,4-Dichlorobenzene	U	U	10
1,2-Dichlorobenzene	U	0.9J	10
bis(2-Chloroisopropyl)ether	U	U	10
Hexachloroethane	U	U	10
N-Nitroso-di-n-propylamine	U	U	10
Nitrobenzene	U	U	10
Isophorone	U	U	10
bis(2-Chloroethoxy)methane	U	U	10
1,2,4-Trichlorobenzene	U	U	10
Naphthalene	U	0.4J	10
Hexachlorobutadiene	U	U	10
Hexachlorocyclopentadiene	U	U	10
2-Chloronaphthalene	U	U	10
Dimethylphthalate	U	U	10
Acenaphthylene	U	U	10
2,6-Dinitrotoluene	U	U	10
Acenaphthene	U	U	10
2,4-Dinitrotoluene	U	U	10
Diethylphthalate	U	U	10
Fluorene	U	U	10
4-Chlorophenyl-phenylether	U	U	10
4-Bromophenyl-phenylether	U	U	10
N-Nitrosodiphenylamine (1)	U	U	10
Hexachlorobenzene	U	U	10
Phenanthrene	U	U	10
Anthracene	U	U	10
Di-n-butylphthalate	U	U	10
Fluoranthene	U	U	10
benzidine	U	U	80
Pyrene	U	U	10
Butylbenzylphthalate	U	U	10
3,3'-Dichlorobenzidine	U	U	20
Chrysene	U	U	10
benzo(a)anthracene	U	U	10
bis(2-Ethylhexyl)phthalate	U	U	10
Di-n-octylphthalate	U	U	10
Benzo(b)fluoranthene	U	U	10
Benzo(k)fluoranthene	U	U	10
Benzo(a)pyrene	U	U	10
Benzo(g,h,i)perylene	U	U	10
Dibenzo(a,h)anthracene	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	10
1,2-diphenylhydrazine(2)	U	U	10

U, J, (1), (2) - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 3.0
30910-0017
UNISYS CORPORATION
EPA PRIORITY POLLUTANT SEMI-VOLATILE ORGANICS

Aqueous
Page 2 of 2

All values are ug/L.

<u>Dilution Factor</u>	<u>Sample Identification</u>		<u>Quantitation Limits with no Dilution</u>
	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>H0479</u>	<u>>H0479</u>	
	<u>Method</u>	<u>Pumping</u>	
	<u>Blank</u>	<u>Well #2</u>	
<u>Compound</u>		<u>10/03/90</u>	
Phenol	U	U	10
2-Chlorophenol	U	U	10
2-Nitrophenol	U	U	10
2,4-Dimethylphenol	U	U	10
2,4-Dichlorophenol	U	U	10
4-Chloro-3-methylphenol	U	U	10
2,4,6-Trichlorophenol	U	U	10
2,4-Dinitrophenol	U	U	50
4-nitrophenol	U	U	50
2-methyl-4,6-dinitrophenol	U	U	50
Pentachlorophenol	U	U	50

U - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 4.0
30910-0017
UNISYS CORPORATION
MISCELLANEOUS METALS

All values are ug/L.

<u>Parameter</u>	<u>Pumping Well #2 10/03/90</u>
Calcium	19,700
Iron	<100
Lead	<3.0
Magnesium	10,600
Manganese	<15.0
Potassium	1,730
Sodium	27,700
Zinc	21.0

TABLE 5.0
30910-0017
UNISYS CORPORATION
MISCELLANEOUS INORGANICS

All values are mg/L unless noted.

<u>Parameter</u>	<u>Pumping Well #2 10/03/90</u>
Alkalinity, as CaCO ₃	34.8
Biochemical Oxygen Demand (5 day)	<1.0
Chloride	86.0
Chemical Oxygen Demand	<10.0
Conductivity	419
Hardness	104
Nitrate/Nitrite-Nitrogen	0.36
pH, S.U.	6.61
Sulfate	25.5
Total Dissolved Solids	277
Total Organic Carbon	1.64
Total Suspended Solids	<1.0
Total Cations, mEq	3.32
Total Anions, mEq	3.66

APPENDIX

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- X - Matrix spike compound.
- (1) - Cannot be separated from diphenylamine.
- (2) - Decomposes to azobenzene. Measured and calibrated as azobenzene.
- A - This flag indicates that a TIC is a suspected aldol condensation product.
- E - Indicates that it exceeds calibration curve range.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.



REPORT TRANSMITTAL

REPORT NUMBER 30910-0017 Addendum

DATE November 8, 1990

CLIENT Unisys Corporation
 1270 Volunteer Parkway
 Bristol, TN 37620

ATTENTION Mr. Bob Wojciak

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

November 8, 1990

30910-0017-ADDENDUM
UNISYS CORPORATION
1270 Volunteer Parkway
Bristol, Tennessee 37620

Re: Great Neck #17503Y

Attention: Mr. Bob Wojciak

PURPOSE

This is an Addendum to job #30910-0017. Sample Pumping Well #2 originally had poor perylene-d₁₂ recovery, this was due to injection problems with GC/MS. The sample was re-analyzed on 10/26/90, with acceptable results. The original sample was reported to meet the rush requirements. The re-analysis is being reported to meet CLP criteria.

Please disregard the previously submitted semi-volatile results for this sample.

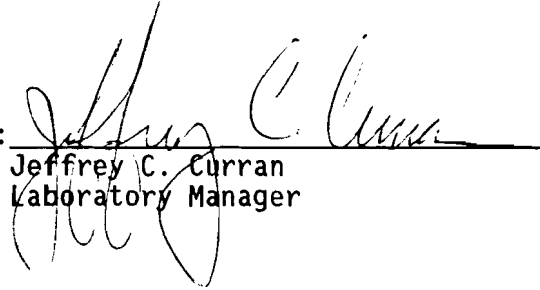
METHODOLOGY

Semi-volatile organics were determined using capillary GC/MS. The instrumentation used was a Hewlett-Packard Model 5890 gas chromatograph interfaced with a Model 5970 Mass Selective Detector.

RESULTS

The results are presented in Table 1.0. Also enclosed as Appendix A (Addendum) is the data package containing all relevant QA/QC and raw data.

Prepared by:


Jeffrey C. Curran
Laboratory Manager

JCC/tma

The liability of YWC, Inc. is limited to the actual dollar value of this project.

TABLE 1.0
30910-0017-ADDENDUM
UNISYS CORPORATION
EPA PRIORITY POLLUTANT SEMI-VOLATILE ORGANICS
All values are ug/L.

Aqueous
Page 1 of 2

<u>Dilution Factor</u>	<u>Sample Identification</u>		<u>Quantitation Limits with no Dilution</u>
	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>C8377</u>	<u>>C8377</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>Pumping Well #2</u>	
N-nitrosodimethyl amine	U	U	10
bis(2-Chloroethyl)ether	U	U	10
1,3-Dichlorobenzene	U	U	10
1,4-Dichlorobenzene	U	U	10
1,2-Dichlorobenzene	U	U	10
bis(2-Chloroisopropyl)ether	U	U	10
Hexachloroethane	U	U	10
N-Nitroso-di-n-propylamine	U	U	10
Nitrobenzene	U	U	10
Isophorone	U	U	10
bis(2-Chloroethoxy)methane	U	U	10
1,2,4-Trichlorobenzene	U	U	10
Naphthalene	U	U	10
Hexachlorobutadiene	U	U	10
Hexachlorocyclopentadiene	U	U	10
2-Chloronaphthalene	U	U	10
Dimethylphthalate	U	U	10
Acenaphthylene	U	U	10
2,6-Dinitrotoluene	U	U	10
Acenaphthene	U	U	10
2,4-Dinitrotoluene	U	U	10
Diethylphthalate	U	U	10
Fluorene	U	U	10
4-Chlorophenyl-phenylether	U	U	10
4-Bromophenyl-phenylether	U	U	10
N-Nitrosodiphenylamine (1)	U	U	10
Hexachlorobenzene	U	U	10
Phenanthrene	U	U	10
Anthracene	U	U	10
Di-n-butylphthalate	U	U	10
Fluoranthene	U	U	10
benzidine	U	U	80
Pyrene	U	U	10
Butylbenzylphthalate	U	U	10
3,3'-Dichlorobenzidine	U	U	20
Chrysene	U	U	10
benzo(a)anthracene	U	U	10
bis(2-Ethylhexyl)phthalate	U	U	10
Di-n-octylphthalate	U	U	10
Benzo(b)fluoranthene	U	U	10
Benzo(k)fluoranthene	U	U	10
Benzo(a)pyrene	U	U	10
Benzo(g,h,i)perylene	U	U	10
Dibenzo(a,h)anthracene	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	10
1,2-diphenylhydrazine(2)	U	U	10

U, (1), (2) - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 1.0
30910-0017-ADDENDUM
UNISYS CORPORATION
EPA PRIORITY POLLUTANT SEMI-VOLATILE ORGANICS

Aqueous
Page 2 of 2

All values are ug/L.

Sample Identification			
<u>Dilution Factor</u>	<u>1.0</u>	<u>1.0</u>	
<u>Method Blank I.D.</u>	<u>>C8377</u>	<u>>C8377</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>Pumping Well #2</u>	<u>Quantitation Limits with no Dilution</u>
Phenol	U	U	10
2-Chlorophenol	U	U	10
2-Nitrophenol	U	U	10
2,4-Dimethylphenol	U	U	10
2,4-Dichlorophenol	U	U	10
4-Chloro-3-methylphenol	U	U	10
2,4,6-Trichlorophenol	U	U	10
2,4-Dinitrophenol	U	U	50
4-nitrophenol	U	U	50
2-methyl-4,6-dinitrophenol	U	U	50
Pentachlorophenol	U	U	50

U - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

APPENDIX

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- X - Matrix spike compound.
- (1) - Cannot be separated from diphenylamine.
- (2) - Decomposes to azobenzene. Measured and calibrated as azobenzene.
- A - This flag indicates that a TIC is a suspected aldol condensation product.
- E - Indicates that it exceeds calibration curve range.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

APPENDIX J6

ROUX 1990 PERMEABILITY AND SIEVE ANALYSIS



GEOTECHNICAL TESTING REPORT

UNISYS CORPORATION
GREAT NECK, NEW YORK

For:

Roux Associates
Huntington, New York

Job No. G039.001
September, 1990



October 1, 1990

Ms. Hillary E. Hollister
Roux Associates
The Huntington Atrium, Suite 255
775 Park Avenue
Huntington, New York 11743

Reference: Geotechnical Testing
Unisys Corporation, Great Neck, New York

Dear Ms. Hollister:

Transmitted herewith are two (2) copies of the Geotechnical Testing Report for testing performed on one shelly tube sample and three jar samples of contaminated soil from the subject project.

One flexible wall permeability test with backpressure saturation was performed on a specimen trimmed from the tube sample. The procedure used was the US Army Corps of Engineers method EM 1110-2-1906, Appendix VII (7).

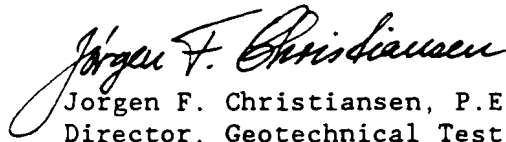
Grain Size Distribution analysis for the three jar samples was performed in accordance with ASTM Designation D 422.

The individual test reports are attached.

Should you have any questions, or in case we may be of further service, do not hesitate to contact the undersigned.

Respectfully submitted,

EMPIRE SOILS INVESTIGATIONS, INC.


Jorgen F. Christiansen, P.E.
Director, Geotechnical Testing

JFC/lkn
Enclosure
G039.001/jfc

TEST DATA:

Specimen Height (cm): 7.87

Specimen Diameter (cm): 7.25

Dry Unit Weight (pcf): 107.1

Moisture Content Before Test (%): 20.2

Moisture Content After Test (%): 19.5

Cell Confining Pressure (psi): 95.0

Test Pressure (psi): 85.2 89.9

Back Pressure (psi): 80.0 79.9

Differential Head (psi): 5.2 10.0

Flow Rate ($\Delta V/t$) (cm³/sec) $\bigcirc 2.21 \times 10^{-4}$ $\Delta 4.16 \times 10^{-4}$ Permeability (cm/sec): $\bigcirc 1.13 \times 10^{-7}$ $\Delta 1.10 \times 10^{-7}$

SAMPLE DATA:

Sample Identification: Lab No. 480.001

Boring No. 12 ML. 395'-397'

Visual Description: White silt & clay

Remarks:

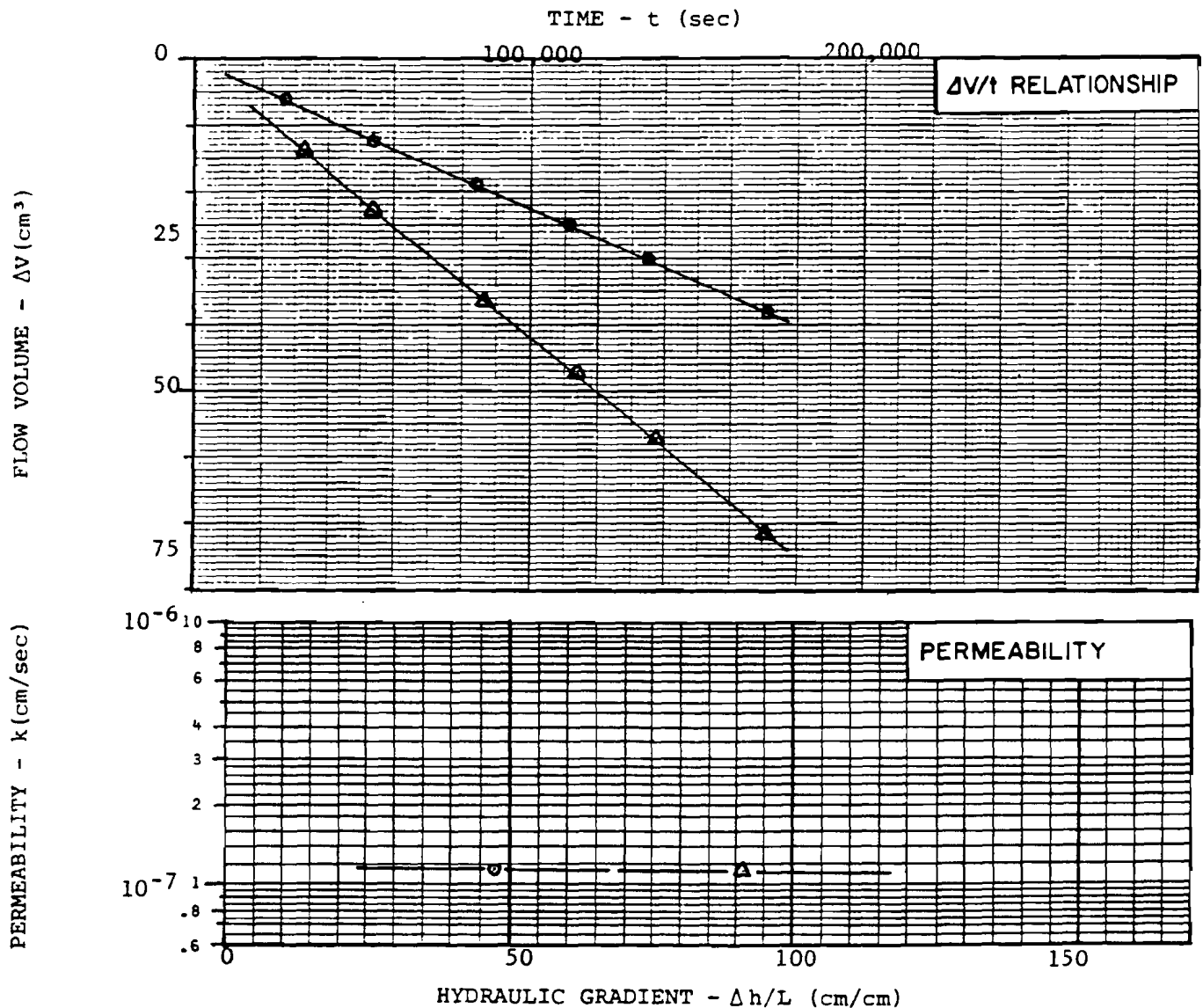
Maximum Dry Density

(ASTM D) (pcf):

Optimum Moisture Content (%):

Percent Compaction:

Permeameter Type: Flexible Wall



PERMEABILITY TEST REPORT

Unisys Corporation
Great Neck, New York

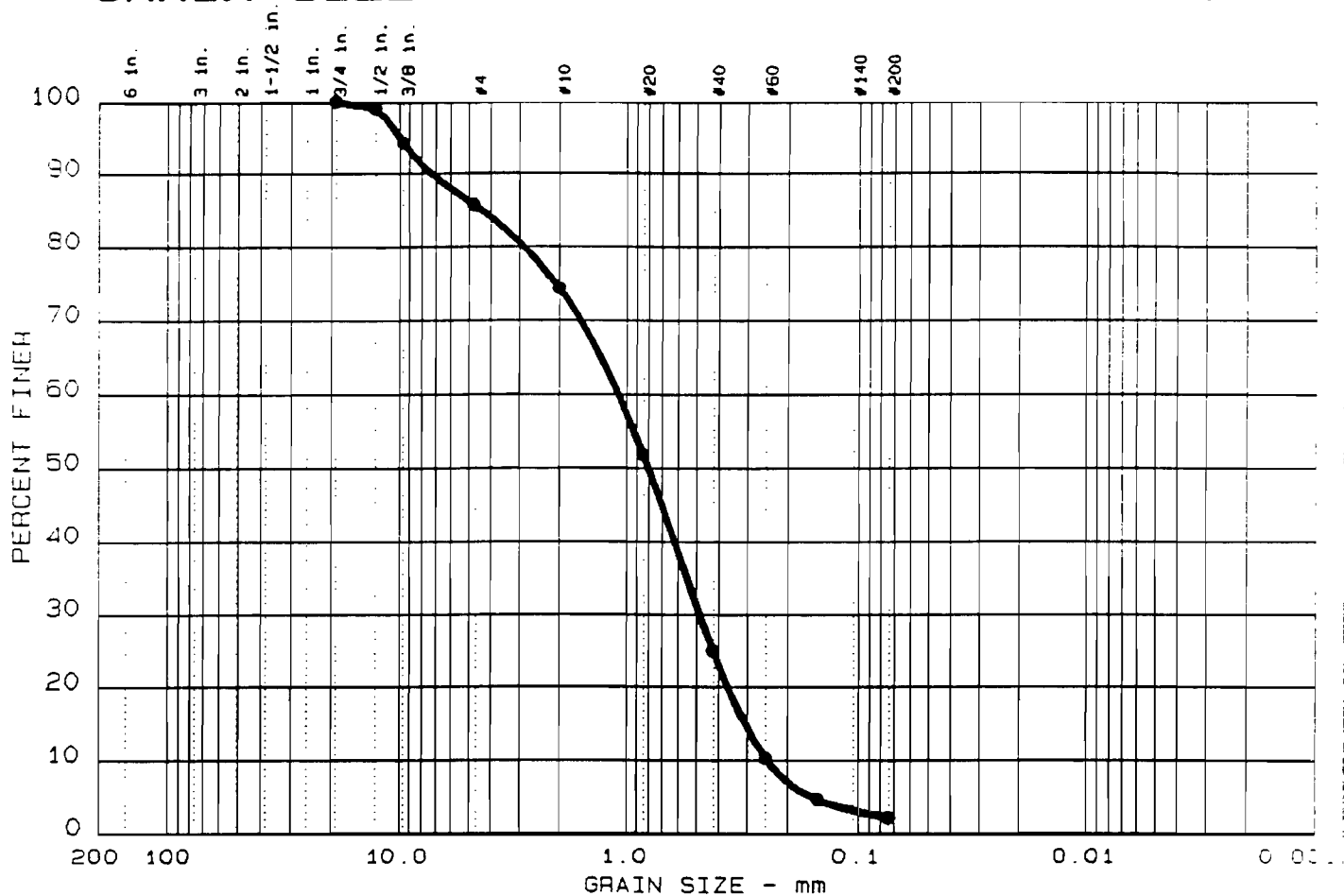
DR BY: JFC

CK'D: JFC

DATE: Sept, 1990

PROJ. NO. G039.001

GRAIN SIZE DISTRIBUTION TEST REPORT



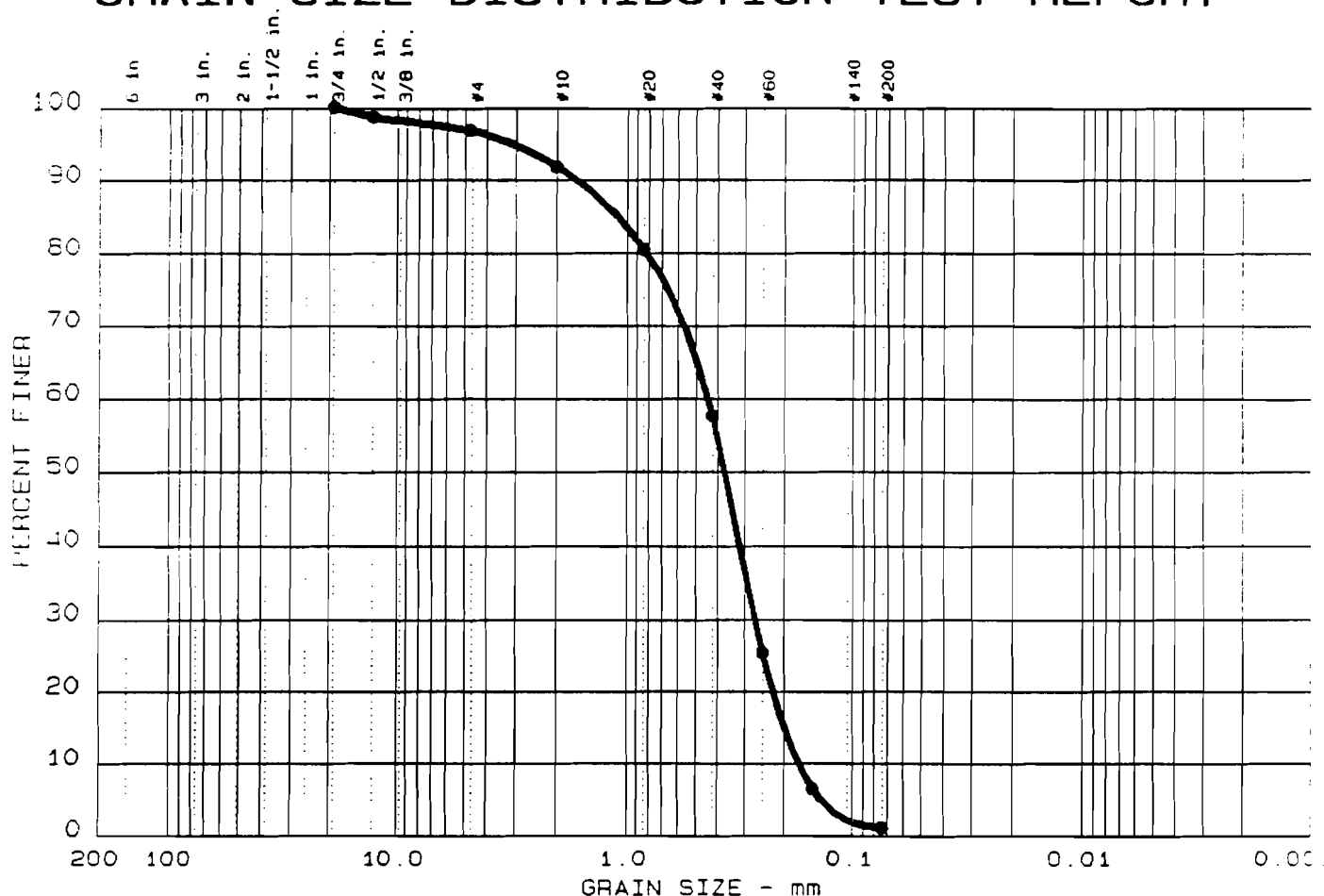
Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
1	0.0	14.3	83.6	2.1	

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
		4.37	1.08	0.80	0.480	0.3062	0.2460	0.86	4.4

MATERIAL DESCRIPTION	USCS	AASHTO
BROWN SAND, Little Gravel, trace fines		

Project No.: G039.001 Project: UNISYS CORP. Location: SVB -2 / 55-56.5'	Remarks: CLIENT: ROUX ASSOCIATES
Date: SEPTEMBER 19, 1990	LAB NO. 480.002
GRAIN SIZE DISTRIBUTION TEST REPORT EMPIRE SOILS INVESTIGATIONS, INC	Figure No. 1

GRAIN SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
● 2	0.0	3.1	95.8	1.1	

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
●		1.08	0.44	0.37	0.270	0.2000	0.1722	0.97	2.5

MATERIAL DESCRIPTION	USCS	AASHTO
● BROWN SAND, Trace Gravel and Fines		

Project No.: G039.001
 Project: UNISYS CORP.
 ● Location: SVB-7 / 60-61.5'

Date: SEPTEMBER 19, 1990

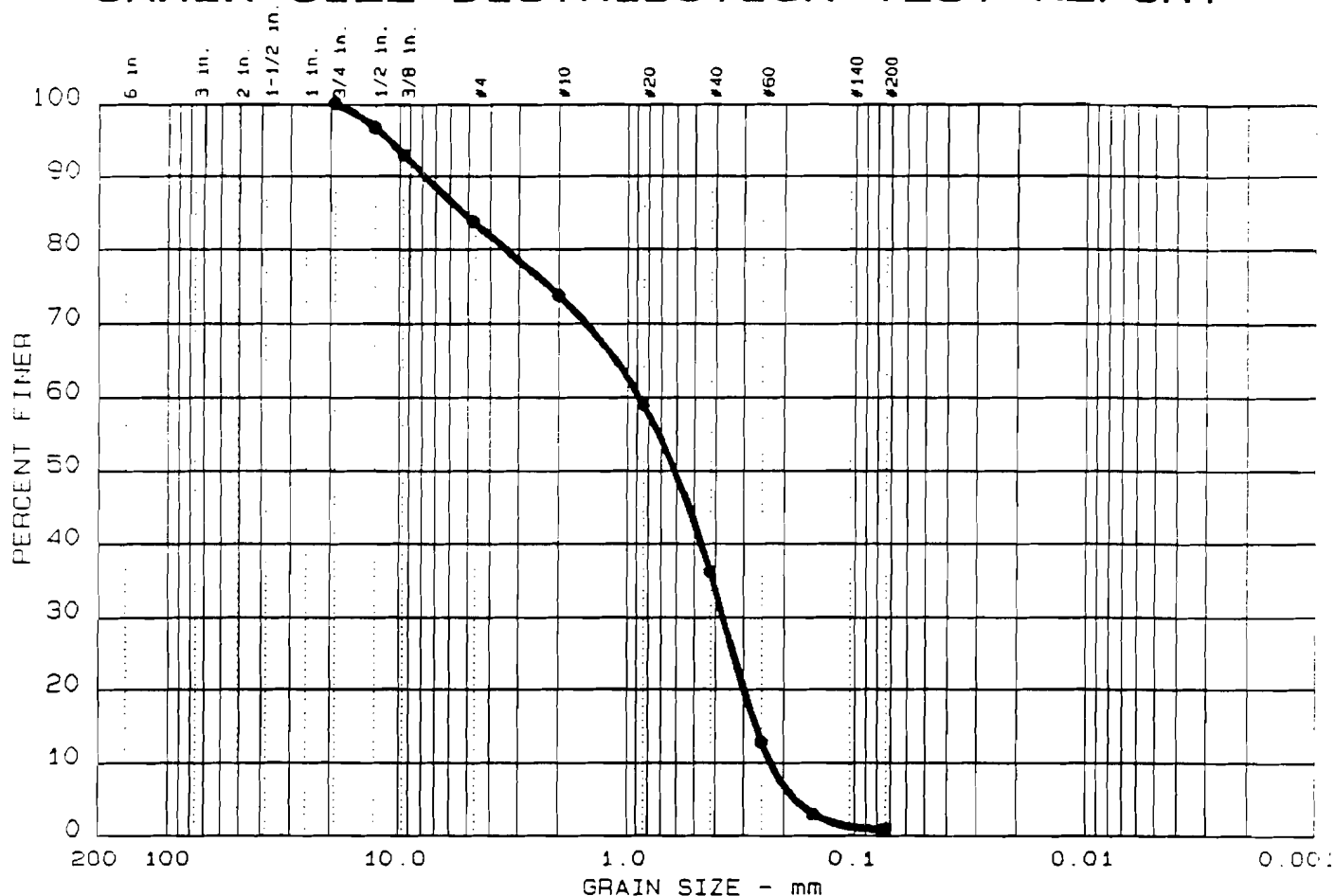
GRAIN SIZE DISTRIBUTION TEST REPORT
EMPIRE SOILS INVESTIGATIONS, INC

Remarks:
 CLIENT: ROUX ASSOCIATES

LAB NO. 480.003

Figure No. 1

GRAIN SIZE DISTRIBUTION TEST REPORT



Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
● 3	0.0	16.3	82.9	0.8	

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
●		5.25	0.88	0.61	0.369	0.2655	0.2286	0.68	3.6

MATERIAL DESCRIPTION	USCS	AASHTO
● BROWN SAND, Little Gravel, trace fines		

Project No.: G039.001
 Project: UNISYS CORP.
 ● Location: SVB-2 / 85-86.5'

Date: SEPTEMBER 19, 1990

GRAIN SIZE DISTRIBUTION TEST REPORT
EMPIRE SOILS INVESTIGATIONS, INC

Remarks:
 CLIENT: ROUX ASSOCIATES

LAB NO. 480.004

Figure No. 1