

rapvf. 212112.hcod ,/t?. **MA**'^ediia.

LooBifAicfiJ₁₀ **C**ompk fan* **4J**^d^ **f«**

/?.d;no **ft**_{4S>v}

REMEDIAL CONSTRUCTION COMPLETION REPORT

APPENDICES A-H

FORMER RUNOFF BASIN AREA
KENTUCKY AVENUE WELLFIELD SITE
OPERABLE UNIT NO. 3
HORSEHEADS, NEW YORK

I? £ #7?r

prepared/or:

**Viacom Inc.
11 Stanwix Street ,
Pittsburgh, PA 15222-1384**

preparatory:

**IT Corporation
2790 Moss Side Boulevard .?
Monroeville, Pennsylvania 15146 ****

December 8, 2000

REMEDIAL CONSTRUCTION COMPLETION REPORT

APPENDICES AH

FORMER RUNOFF BASIN AREA KENTUCKY AVENUE WELLFIELD SITE OPERABLE UNIT NO. 3 HORSEHEADS, NEW YORK

prepared/or:

Viacom Inc.
11 Stanwix Street
Pittsburgh, PA 15222-1384

prepared by:

IT Corporation
2790 Mossie Boulevard
Monroeville, Pennsylvania 15146

December 8, 2000



APPENDIX A

APPENDIX A

BORING LOGS

**FINAL DESIGN
EQUIPMENT SPECIFICATIONS
for the
AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
at the
FORMER RUNOFF BASIN
KENTUCKY AVENUE WELLFIELD SITE
OPERABLE UNIT NO. 3
HORSEHEADS, NEW YORK**

1.) SVE Wells (3 new wells) SVE-2, SVE-3, and SVE-4

Nominal Utilization:	86-172 scfm
Material:	solid PVC riser, 0.040" slotted PVC screen
Diameter	4"
Depth:	11' (subject to site conditions)
Sand Pack:	#2 sand
Well Seal:	bentonite
Installation Method:	hollow-stem auger drilling

2.) Air Sparge Wells (8 new wells) AS-2 through AS-9

Nominal Utilization:	2 scfm
Material:	galvanized steel riser, galvanized #60 gauze point
Diameter	1"
Depth:	2V (subject to site conditions)
Sand Pack:	#1 sand, #00 sand
Well Seal:	bentonite, hydraulic cement
Installation Method:	hollow-stem auger drilling

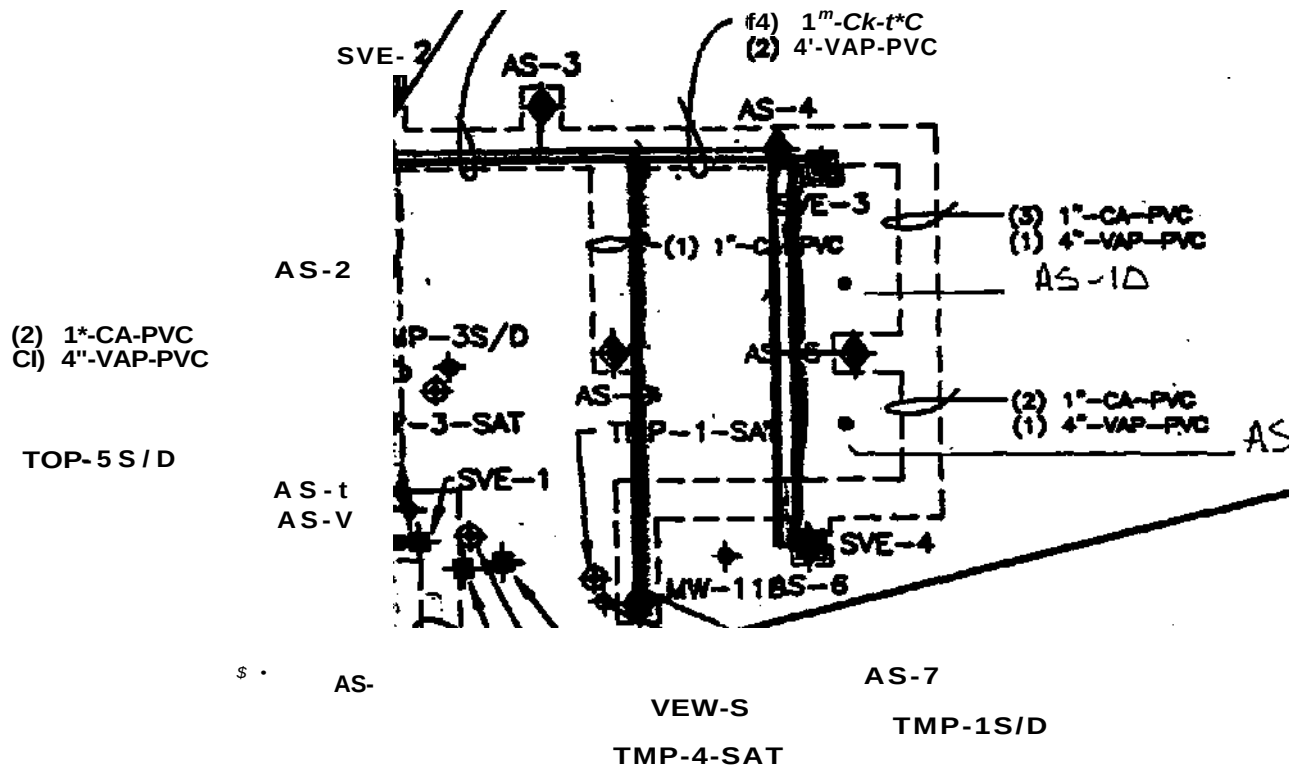
K)

ro*J

- C9) 1"-CA-FVC
- (4) 4'-VAP-FVC

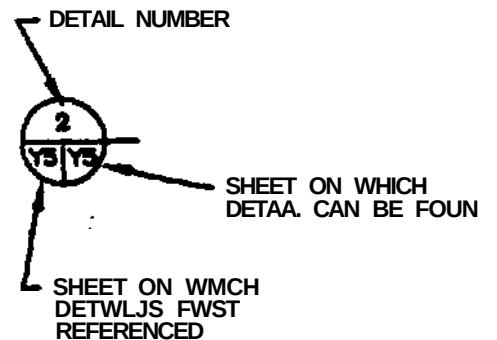
S 1"-CA-fYC
4"-VAP-PYD

MW-11S



0) r-cA-pvc

MAIN PUNT
BUILDINGS



Drilling Log

Air Sparge Point **AS-2**

(T CORPORATION

Page: 1 of 1

COMMENTS

Project Kentucky Ave. Weltfjei Site

Owner

Location Horseheads, NY

Proj.No. 811S95

Surface Elev. J1*

Total Hole Depth 21.0 ft.

North. _____ East _____

Top of Casing NA

Water Level Initial S 11.0 ft

Static NA Diameter 4^5 in.

Screen: Dia NA

Length JO*

Type/Size **

Casing: Dia JM

Length NA

Type M

Fill Material _____

Rig/Core

Drill Co. Maxim Technologies, Inc.

Method Woltow Stem Auger

Driller _____ Log By _____

Date 8/28/00

Permit # NA

Checked By _____

License No.

F Bi

O
£ tc

Description

(Color, Texture, Structure)

Geologic Descriptions are Based on the USCS.

- 0 -



Asphalt.

Brown coarse GRAVEL subcase, dry.

Brown grading to black, SILT and GRAVEL with cinders, dry to damp.

J

- 2 -

- 4 -

40%

Q'

6 -

20%

- 8 -

0%

No recovery.

- 10 -

85%

Brown GRAVEL and SILT, saturated.

- 12 -

20%

- 14 -

85%

Brown GRAVEL. SAND, and SILT, saturated.

16 -

75%

Brown GRAVEL, SILT, and SAND, saturated.

- 18 -

80%

Brown GRAVEL, CLAY, SILT, and SAND, saturated.

20 -

No recovery.

Drilling Log

Air Sparge Point AS-3

Page: 1 of 1

Project Kentucky Ave. Wetfield Site

Owner

COMMENTS

Location Horseheads, NYProj. No. 811S9SSurface Elev. JMTotal Hole Depth 21.0 ft.

North _____ East _____

Top of Casing 0*Water Level Initial S 12.0 ft.Static **Diameter 4-25 in.Screen; Ota NALength JMType/Size JWCasing: Dta ^*Length \$MType ^

Fill Material _____

Rig/Core

Drin Co. Maxim Technologies, Inc.Method Hollow Stem AugerDriller _____ Log ByDate 8/23/00Permit* JO*

Checked By _____

License No.

Description

(Color, Texture, Structure)

Geologic Descriptions are Based on the USCS.

E g

M < t

- 0 -



K Asphalt

GRAVEL subbase

Brown, f-c GRAVEL and SILT, dry.

J

- 2

Brown, m-c GRAVEL and SILT with ashes, dry.

- A -

0%

No recovery

- 6 -

10%

Black, SILT and m-c GRAVEL, wet.

- 8 -

10%



Brown, m-c GRAVEL and SILT, damp.

- 10 -

50%

Brown, SILT and m-c GRAVEL, damp.

l_122J

50%

Brown, SILT layer and m-c GRAVEL, wet.

- 14 -

55%

Brown, SILT and SAND with gravel lenses, wet.

- 16 -

55%

Brown SAND, little silt, saturated

- 18 -

70%

Brown, m-c GRAVEL, SILT and SAND, saturated.

l.

».

- 20 -

60%

Drilling Log

rrcoRraumoi

Air Sparge Point **AS-4**

Page: 1 of 1

COMMENTS

Project Kentucky Ave. Wellfhd Site

Owner

Location Horseheads, NY

Proj. No. 811595

Surface Elev. NA

Total Hole Depth 21.0 ft.

North East

Top of Casing ^

Water Level Initial -^ TM * ft

Static J " . Diameter 4.25 in.

Screen: Dia 1.25 in.

Length JtE

Type/Size Stainless Steel

Casing: Dia 1 in.

Length J!*

Type Galvanized Steel

Fill Material

Rig/Core

Drill Co. Maxim Technologies, Inc. Method Hollow Stem Auger

Driller Log By Date 8/22/00

Permit # J^

Checked By

License No.

fa II 2* v si

Description

(Color, Texture, Structure)

Geologic Descriptions are Based on the USCS.

0	-	K Asphalt.	Brown SILT with medium to coarse gravel.
- 2	-		
- A	-		
- 6	-		
- 8	-		
- 10	-	c	
- 12	-	c	
- 14	-		Large Cobbles.
- 16	-		Brown SILT with medium to coarse gravel.
- 18	-	C	
- 20	-	C.	
		c	

EE3

IT CORPORATION

Drilling Log

Air Sparge Point **AS-8**

Page: 1 of 1

Project Kentucky Ave. Weltfield Site

Owner

COMMENTS

Location Horseheads, NY

Proj.No. 811595

Surface Elev. JO.

Total Hole Depth 21.0 ft.

North. _____ East _____

Top of Casing NA

Water Level Initial ^ 11.0 ft.

Static AW Diameter 4.25 in.

Screen: Dta 1.25 in.

Length **

Type/Size Stainless Steel

Casing: Dia 1 in

Length NA

Type Galvanized Steel

Fill Material _____:

Rig/Core

Drill Co. Maxim Technologies, Inc.

Method Hoftw Stem Auger

Driller _____ Log By

Date B/24/00

Permit # JM.

Checked By _____

License No.

Description

(Color, Texture, Structure)

Geologic Descriptions are Based on the USCS.

-	0				Drilled
		70%	B ^o		Brown SILT and GRAVEL, dry.
-	2	-			Brown, m-c GRAVEL and SILT, dry.
		35%	"\		
-	4	-			Black, f-c GRAVEL. SILT, and ASHES, damp to wet.
		40%	A		
6	-	15%			
			<3d>		
8	-	20%	V		Brown, f-m GRAVEL and SILT, wet.
			V		
			<:		
-	10	-			Brown, GRAVEL, little silt, wet.
		15%	r^tr		
			V		
			<-		
-	12	-			Gray, SILT and CLAY, few vf sand lenses, damp.
		100%	•>b		
			s		
14	-	85%	18		Brown, SAND and GRAVEL, wet grading to saturated.
			mm		
-	16	-			
		25%			
			ill		
-	18	-			
		70%			
-	20	-			
		50%			

iToRpQuam

Project Kentucky Ave. WeHfield Site

Owner

COMMENTS

Location Horseheads, NYProj.No. g » » 5Surface Elev. JfATotal Hole Depth 2T ° ft.

North.

East

Top of Casing NAWater Level Initial * 10.7 ft.Static NADiameter 42Sn.Screen: Dia. NALength J ^Type/Size ^ 1Casing: Dia. J£Length NAType M.

Fill Material

Rig/Core

Drill Co. Maxim Technologies. Inc.Method Hollow Stem Auger

Driller

Log By

Date 82400Permit # ^ 1

Checked By

License No.

Description

(Color, Texture, Structure)

Geologic Descriptions are Based on the USCS.

H

wi#

- 0 -

70%

18"

26

7

4

5¹

4

3

7

4¹

4

5

6

6'

7

6

3

4¹

4

8

11

16'

24

38

17

10'

14

13

11

24'

16

14

15

36'

20

18

14

10^f

6

7

7

10'

10

KASPHALT**Brown GRAVEL and SILT, damp.****<1Z****Brown SILT and m-c GRAVEL, damp.****Z****COBBLE****Brown, m-c GRAVEL, little silt, saturated.****h 10 H
2**

20%

- 12 -

B5%

Gray SILT, wet.**- 14 -**

50%

Gray SILT with Clay and Gravel lenses, wet.**- 16 -**

70%

- 18 -

50%

Brown, f-c GRAVEL, little silt, saturated.**- 20 -**

50%

ox

Drilling Log

ircoRPOMm
A Hi ir*J)rIT6mr

Soil Boring **AS-11**
Page: 1 of 1
COMMENTS

Project Kentucky Ave. WeimekSSite

Owner

Location Horeerwads, NY

Proj. No. 811S9S

Surface Elev. JW

Total Hole Depth 21.011

North.

East

Top of Casing NA

Water Level Initial ^ 110ft

Static NA

Diameter 4.25 in.

Screen: Dia. NA

Length J^

Type/Size J**

Casing: Dia. ^

Length NA

Type TM

Fill Material

Rig/Core

Drill Co Maxim Technologies, Inc.

Method Hollow Stem Augor

Driller Log By

Date &****>

Permit* JH

Checked By

License No.

-?

Oescripfim^v: --

((^otor^Texture, Structure) ""

Geologic Desortp&ons are Based cm the USCS.

- 0 -



Asphalt
GRAVEL subbase
Black GRAVEL, damp.

J

- 2 -

Black, m-c GRAVEL, SILT and ASH. damp,

- 4 -

35%

- 6 -

45%

- 8 -

35%

- 10 -

70%

Brown, i-c GRAVEL and SILT. wet.

- 12 -

50%

B* -

Brown, SILT and CLAY with gravel lenses, wet-

- 14 -

70%

Brown. m-c GRAVEL, SAND and SILT. wet.

.

- 16 -

100%

Brown SAND, little silt, saturated

- 18 -

50%

Brown, f-c GRAVEL, saturated.

- 20 -

40%

Drilling Log

ITCORPORAnOH

Air Sparge Point **AS-5**

Page: 1 of 1

COMMENTS

Project Kentucky Ave. Weltfield Site

Owner

Location Horseheads, NY

Proj.No. 811595

Surface Elev. M Total Hole Depth 21.0 ft. North. East

Top of Casing	NA	Water Level Initial	JfA_	Static	NA	Diameter
---------------	----	---------------------	------	--------	----	----------

Screen: Dia ^{NA} Length ^{_ ^4} Type/Size ^{_ ^6}

Casing: Dia	$J^A L$	Length	NA	Type	$\frac{N_*}{-}$
-------------	---------	--------	------	------	-----------------

Fill Material _____ Rig/Core _____

Drill Co. Maxim Technologies, Inc. Method Hollow Stem Auger

Driller _____ Log By _____ Date 8/21/00 Permit # 1

Checked By _____ License No. _____

Description

(Color, Texture, Structure)

Geologic Descriptions are Based on the USCS.

fa Bi 

- 0 -

- \ Asphalt
GRAVEL subbase
SILT and GRAVEL.

$$J$$

- 2 -

- 4 -

COBBLES and GRAVEL.

- 6

- 8 -

- 10 -

Brown SILT with GRAVEL.

- 12

- 14 -

- 16 -

- 18 -

- 20 -

Drilling Log

Air Sparge Point **AS-6**

Page: 1 of 1

COMMENTS

Project Kentucky Ave. WeHfteld Site

Owner

Location Horseheads, NY

Proj. No. 5**595

Surface Elev. NA

Total Hole Depth 21.0 ft.

North.

East

Top of Casing NA

Water Level Initial 2 10.6 ft.

Static NA

Diameter 4-25in-

Screen: Dia 1-25 in.

Length NA

Type/Size Stainless Steel

Casing: Dia 1 in.

Length NA

Type Galvanized Steel

Fill Material

Rig/Core

Drill Co. Maxim Technologies, Inc.

Method Hollow Stem Auger

Driller

Log By

Date 8/21/00

Permit* NA

Checked By

License No.

Description

(Color, Texture, Structure)

Geologic Descriptions are Based on the USCS.

Q E
Zr Q.

- 0 -

Brown medium to coarse GRAVEL and sitt.

- 2 -

- 4 -

- 6 -

- 8 -

Heavy COBBLES.

~~1-10-1~~
2

Brown SILT with GRAVEL.

- 12 -

- 14 -

Heavy COBBLES.

- 16 -

GRAVEL and water.

- 18

- 20 -

Drilling Log

Air Sparge Point **AS-7**

IT CORPORATION
<Mila •ftwrrc~T

Page: 1 of 1

Project Kentucky Ave. Wellfield Site

Owner

COMMENTS

Location Horseheads, NY

Proj. No. B11595

Surface Elev. JM Total Hole Depth 210 ft North. East
Top of Casing NA Water Level Initial ^ 107ft Static NA Diameter 4.25 in
Screen: Dia 1.25 in Length J** Type/Size Stainless Steel
Casing: Dia 1 in Length NA Type Galvanized Steel

Fill Material Rig/Core
Drill Co. Maxim Technologies, Inc. Method Hollow Stem Auger

Driller Log By Date 8/22/00 Permit # M
Checked By License No.

S^e OE

Description
(Color, Texture, Structure)
Geologic Descriptions are Based on the USCS.

- 0 - Hit Pier CONCRETE.

- 2 - Gravel and cobbles.
- 4 - SILT medium to fine gravel.
- 6 -
- 8 -
h 10 H
2
- 12 - Brown SILT with GRAVEL.
- 14 - Heavy COBBLES.
16 -
- 18 -
- 20 -

Drilling Log

Air Sparge Point **AS-9**

Page: 1 of 1

COMMENTS

Project Kentucky Ave. Wellfield Site

Owner

Location Hcrseheads, NY

Proj. No. 811595

Surface Elev. M.

Total Hole Depth 21.0 ft.

North. East

Top of Casing NA

Water Level Initial *!*_

Static NA Diameter 4.25 in.

Screen: Dia 1-25 in.

Length NA

Type/Size Stainless Steel

Casing: Dia *!*_

Length NA

Type Galvanized Steel

Fill Material

Rig/Core

Drill Co. Maxim Technologies, Inc.

Method Hollow Stem Auger

Driller Log By

Date 8/22/00

Permit # NA

Checked By

License No.

Description

(Color, Texture, Structure)

Geologic Descriptions are Based on the USCS.

fi n

- 0 -

\ Asphalt
COBBLES and SILT.

- 2 -

- A -

SILT and medium to coarse gravel.

- 6

C

- 8 -

O

- 10 -

SILT and fine to medium gravel.

- 12 -

C

- 14 -



Brown SILT with GRAVEL.

- 16 -

C

- 18

C

- 20 -

C

APPENDIX
B

APPENDIX B

TRENCHING, FOUNDATION, AND SHED DETAILS (AS-BUILTS)

AUG-23-00 09:53 607 739 7674
08/23/2000 09:47 FAX 607 739 7674
FROM : Rhir^hartyCamir,9 Concrete

P 02
RED CARPET INN
PHONE NO. : 6079363782

R-309 Jab-759
@02
Aug. 15 2000 01:47m Pi



STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
107 BROADWAY
HORNELX, N.Y. 14843

PETER E. WHITE, P.E.
REGIONAL DIRECTOR

JOTT C/M H. BOMOMAM
COMMISSIONER

July 25, 2000

Rhinehait Sand & Gravel
201 East Comog Road
Coming, NY 14830

RE. Source # 6-4SG

Gentlemen :

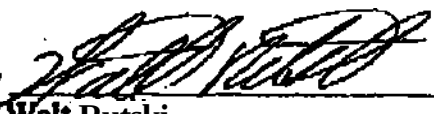
Your source represented by Sample # 141007 has been tested for items 703-02
Coarse aggregate.

Test results are attached

If you have any questions, please feel free to contact me at 607-324-3375-

Sincerely

Kevin B. O'Buckley, P.E.
Regional Construction Engineer, R-6

By 
Walt Rutski
Regional Materials Engineer, R-6

war
attachment
ccrfile

AUG-23-00 03:53

607 739 7574

P.03

R-309

Job-758

08/23/2000 09:47 FAX 607 739 7674

RED CARPET INN

©03

FRON : Rklnefca^t/Cdrnirrg Concrete

PHOKC NO. : G07936T702

ftig. 15 2000 01:48PM P2



U S^--NEWLYORK STATE
DEPARTMENT OF TRANSPORTATION
* I .-MATERIALS BUREAU

..-?>"
I.riv-"

; 1

SOURCE # 6- 4SG

TEST.# 00AG 17C

RHINERART SAND & GRAVEL
EAST CORNING, NY

BR3a SERIAL ft 14100?

On 07/17/00 material represented by sample 141007 was
ACCEPTED FOR ITEMS 703-02 (coarse aggregate).

REMARKS: EAST PIT

YSDOT SIZES

10 Cycle MgS04.
25 Cycle freeze-thaw
25 Cycle 3% freeze-thaw
% Non-carbonate
* Insoluble residue
L.A. Abrasion. Grading B

NO.2 NO.1 NO-1A
8.7 17.0
•J-0
87
20.1

Bulk Specific Gravity SSD 2-61
Bulk Specific Gravity 2.5ffi
Apparent Specific Gravity 2.687
Absorption 1.fi

Gravity & absorption values represent
this sample only, use average values
from Aggregate Source Book in all
calculations

OMPOSITION (size 2)

LIMESTONE 10
DOLOMITE 3
CHERT 1
RED SANDSTONE 3
GUARTZITS 4
IGNEOUS 4
GRAYWACKE-SILTSTONE 75

AUG-23-00 09:53

607 739 7674

P.04

R-309

Job-75B

08/23/2000 09:47 FAI 607 739 7674

RED CARPET INN

@04

FROM : RhinBKart/Comlng Concrete

PH»€ MD : 6079363762

^19. IS 2000 01:48PM P3

PROGRAM: S4285100

PENNDOT CAMMS TESTING REPORT

1/20/1999

REPORT : CAMLR510

AGGREGATE

ENGLISB

4:16:05

I NAT. REPORT Re£# A111990

La*>#: 98031073

Paso/Fail -

CAMSPROD

2ont #: 000000

3t F N? 09008509000 0300 614 9998

?r 0 #:

*tl Cd:203 A8GL

4tl De:AGGRGT,COARSE

408Y/S;1994 703

Supl #:

Pic CI:COLD SPRING PIT

Sap BysSEKELICK

QA Rtnq.-

Smp CI8;RS

Orgnztn;0300

State R:

Section: 0000

Station:

Colcted:11/18/1998

Receivd:12/01/1998

Releafd: 1/20/1999

Cntrctr

Suplier RHINYCX4

Lctn Cd

JME #/V /

L/C Xrf

Prt Tkt

Lot Nbr

incrm

447 Xrf

tr-447 Remarks: SUPERPAVE CONSENSUS. LESS THAN 30 MILL ESALS.

LESS THAN 100MM DEPTH

5CRKSN	LIMITS	RL	- 1 -
3/4"			100
1/2"	100 100	0	100
3/8"	85 100	15	99
1/4"			43
ft*	10 30	20	14
1*8	0 10	10	1
#16	0 5	5	1

PERCENT ABSORPTION

-1-
1.64

SSD SPECIFIC GRAVITY

k -1-
1 2.62

BULK SPECIFIC GRAVITY

-1-
2.574

CRUSH COUNT %

•1-
87-09

LIMITS: 85 » 100 R(L)i 15

SODIUM SULFATE - TOTAL % LOSS

-1-
2.00

LIMITS: 0 10 R(L): 10

PERCENT LOSS BY WASH

-1-
0.4S

LIMITS: 0 R(t):

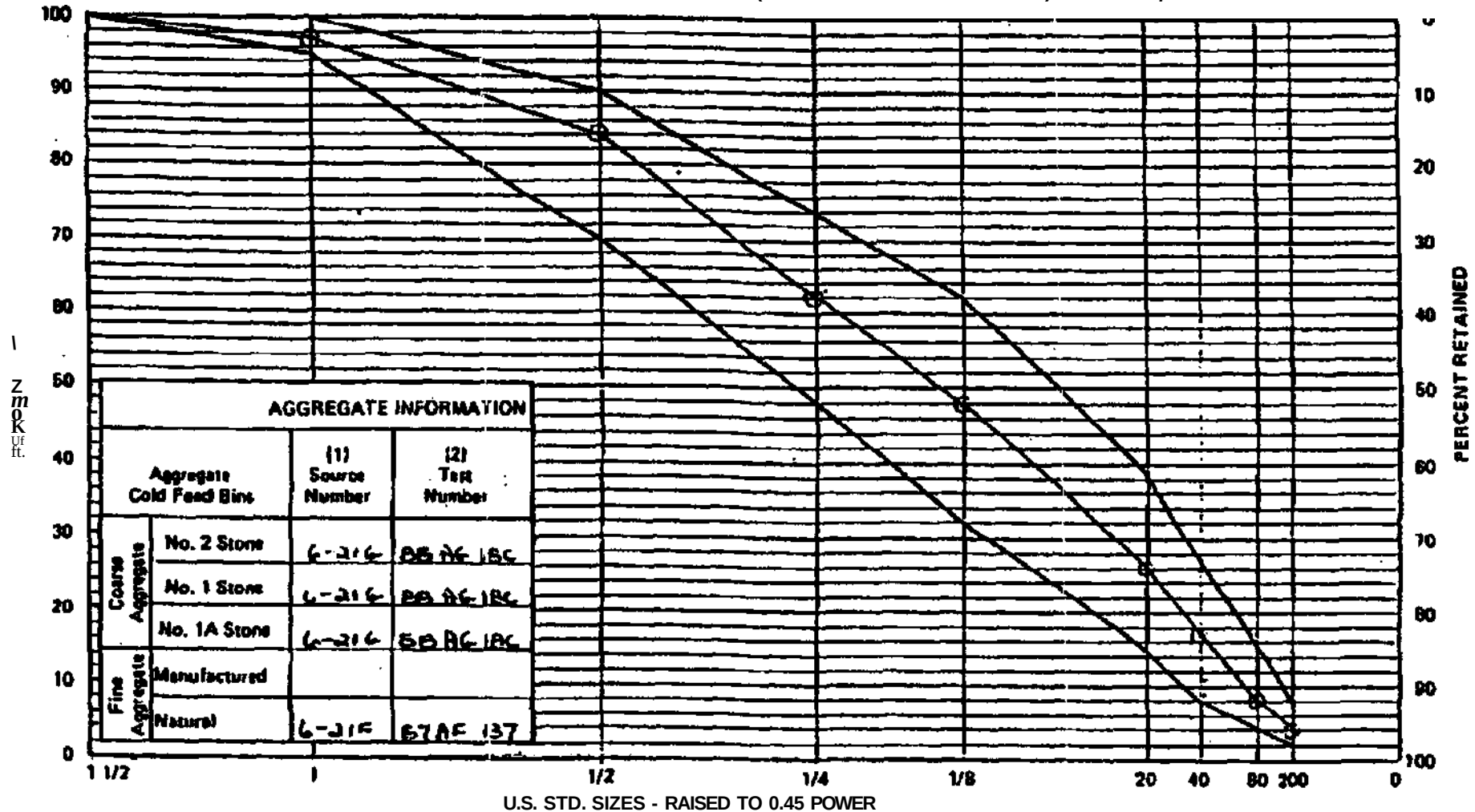


DEPARTMENT OF TRANSPORTATION
MATERIALS BUREAU

JOB MIX FORMULA

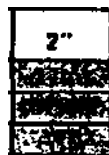
Typ 3, Binder {D*ns«J

Location _____ flA>igtWLi.6 A.I.Y.
Submitted By _____ «?• & uft < fA _____
(Submrsskw Instructions on back) Jf*JJp£ /% & a^dfc^.*



SitveSixt

%P«sing



I VT*

V

1/7"

V4*

1/8"

No. 20

N».40

No. 80

No. 200

Asphalt Content
(P tf cent)

Asph»n
Grade

1. General Limits

2 JMF Banoj

3- Tweet Velwe

too

06-100

70-90

48-74

33-62

15-39

8-27

4-16

2-a

4.5-6.5

AC«i£_

JfiL

9S-tt

3£=I£-

»SY-tf

i X

JO-

jLiUc.

Art.

f.f- Jf

i £.

JCES.

Jill

I£

RtlMffct

Approved

^ - Deetonel Director

Ditt

e?

LETTER OF TRANSMITTAL

Date: September 18, 2000

To: IT Corporation

10 Ward Rd.

N. Tonawanda, NY 14131

Attention: Frank McCune

Reference: Cuttler Hammer

Horseheads, NY

Job No.: 2002200

Client's Job No.:

We are sending you: ☒ X Herewith ☐ Under Separate Cover

☐ Letter ☒ X Report Subsurface Logs ☐ Invoice

☐ Drawings ☐ Samples Test Results ☐ See Below

**No. of
Copies**

Title or Description of Enclosures

1 Field In-Place Density Test Report

These Are: ☐ For Your information ☒ X Per Your Request

Per the Request of:

Remarks: _____

Sent By:

☐ JLMail
☐ Express Service
☐ UPS
☐ Hand Delivered

Copies to: IT-Richard Kilmer (1)

Respectfully submitted,

EMPIRE SOILS INVESTIGATIONS, INC.

V&L ?<&

Nathan E. Cole
Technician Supervisor

FIELD IN-PLACE DENSITY TEST REPORT

Project: Cutler-Hammer, Horseheads, NY Report No. 2002200
Client: IT Corporation Date: 08-30-00
Contractor: Elk Environmental Project No. 2002200
Weather: Sunny-80

Test No.	Elevation	Location and Comments	hvpteca mobtura	Density			% compact
				WeUpef)	Dfy(pcf)	Maxim (pcO	
1	FG	CL Laterial for Evaporization Pipes-6' N of Bldg. Wall	8.2%	138.0	127.5	123.3	103.4%
2	FG	CL Laterial for Evaporization Pipes-20' N of Bldg. Wall	7.5%	130.5	121.4	123.3	98.5%
3	FG	CL Laterial for Evaporization Pipes-45' N of Bldg. Wall	7.8%	128.3	119.0	123.3	96.5%
4	FG	W Laterial Lines for Evaporization Pipes-12' N of Bldg. Cor.	7.2%	129.6	120.9	123.3	98.0%
5	FG	W Laterial Lines for Evaporization Pipes-20' N of Bldg. Cor.	7.9%	126.8	117.5	123.3	95.3%
6	FG	W Laterial Lines for Evaporization Pipes-35* N of Bldg. Cor.	10.0%	128.5	116.8	123.3	94.7%
7	FG	E Laterial Lines for Evaporization Pipes-10' N of Bldg. Wall	8.5%	136.2	125.5	123.3	101.8%
8	FG	E Laterial Lines for Evaporization Pipes-30 ¹ N of Bldg. Cor.	9.5%	128.9	117.7	123.3	95.5%

Mu D«rttity	Optimum Motetur*	Material Ty a and Source	Method
123.3	9.4	On-Site Fill	ASTM 01556

REMARKS:

Gauge Model: Troxler, 3411B
Serial Number: 12455
Std. Counts: 2801/625
Technician: R. Truex

Respectfully submitted,
MAXIM TECHNOLOGIES OF NEW YORK. INC.

Nathan E. Cole
Technician Supervisor

New PAD LOCATION

"TEST LfccATIoI\^

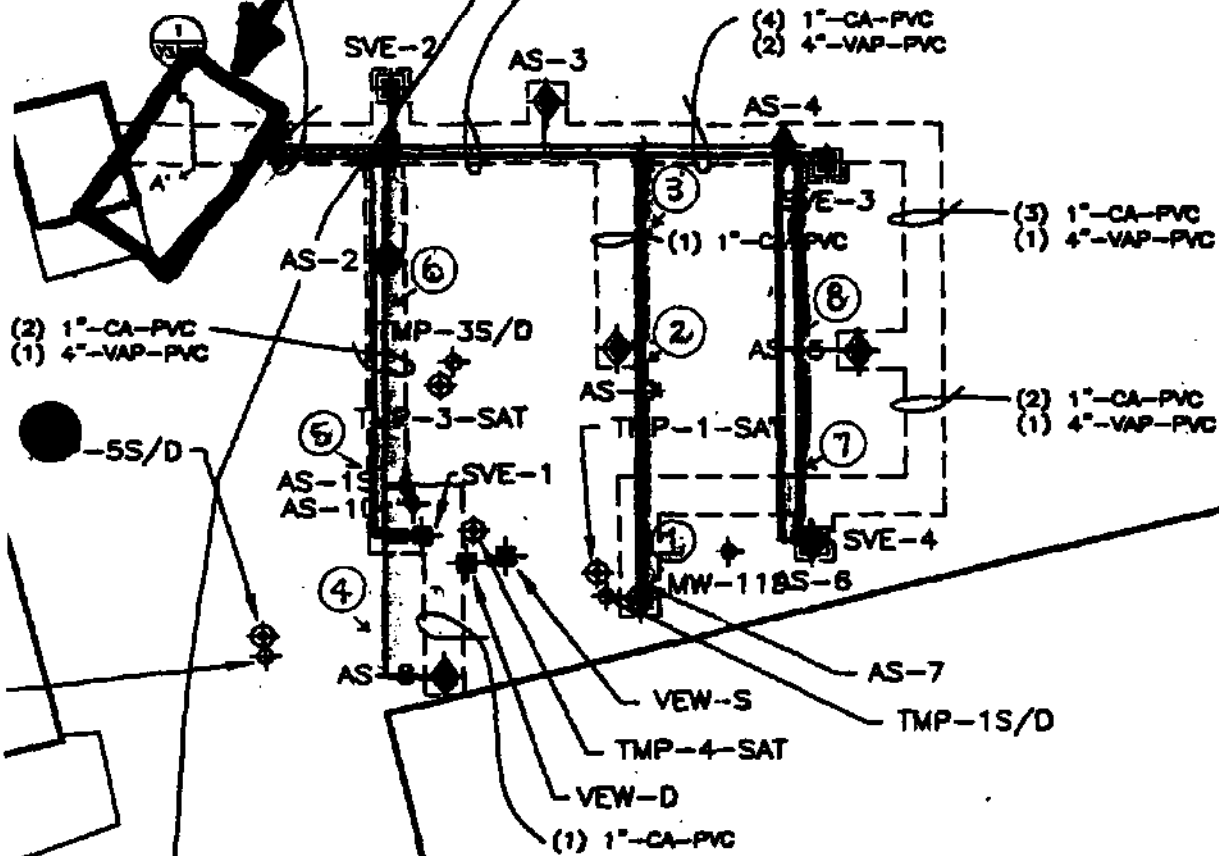
8-30-00

(9) 1"-CA-PVC
(4) 4"-VAP-PVC

(8) 1"-CA-PVC
(2) 4"-VAP-PVC

(4) 1"-CA-PVC
(2) 4"-VAP-PVC

MW-11S



FIELD IN-PLACE DENSITY TEST REPORT

Project:	Cutler-Hammer, Horseheads, NY	Report No.	2002200
Client:	IT Corporation	Date:	09-05-00
Contractor	Elk Environmental	Project No.	2002200
Weather	Sunny-Cool		

[illegible]

Hue Omity	Optimum Moisture	Material Type and Source	Method
123.3	9.4	On-Srte Fill	ASTM D1556

REMARKS:

Gauge Model: Troxler, 3411B
Serial Number 12455
Std. Counts: 2765/620
Technician: R. Truex

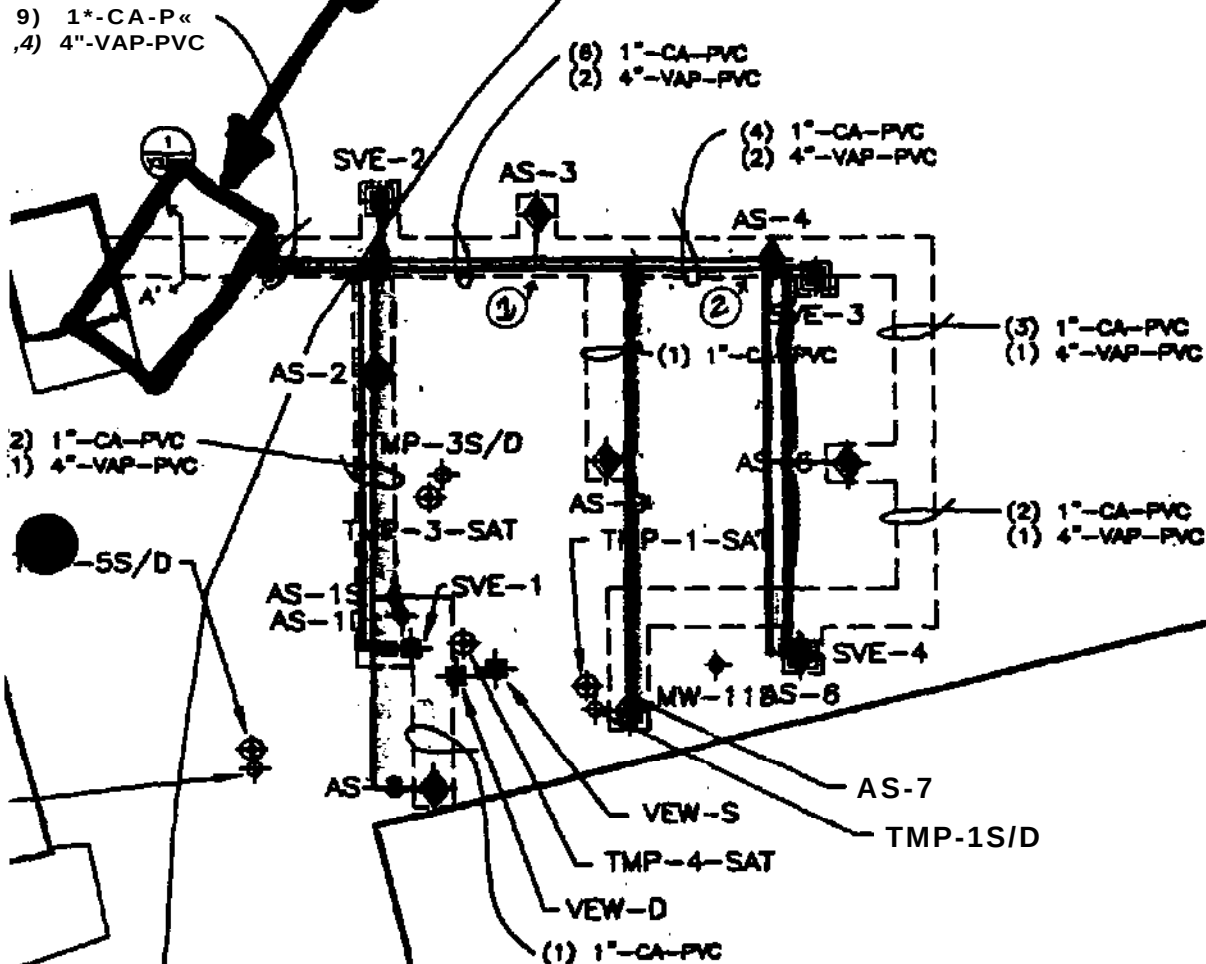
Respectfully submitted,
MAXIM TECHNOLOGIES OF NEW YORK, INC.

 **£j&**
Nathan E. Cole
Technician Supervisor

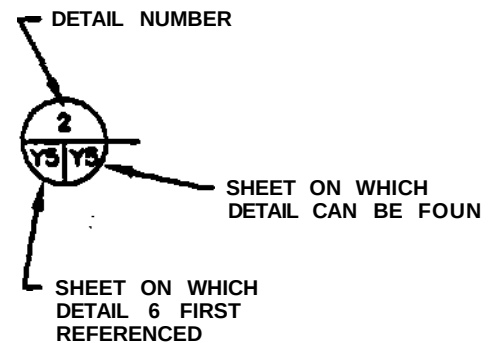
New
PAD
LOCATION

£-5-00

MW-11S



MAIN PLANT
BUILDINGS

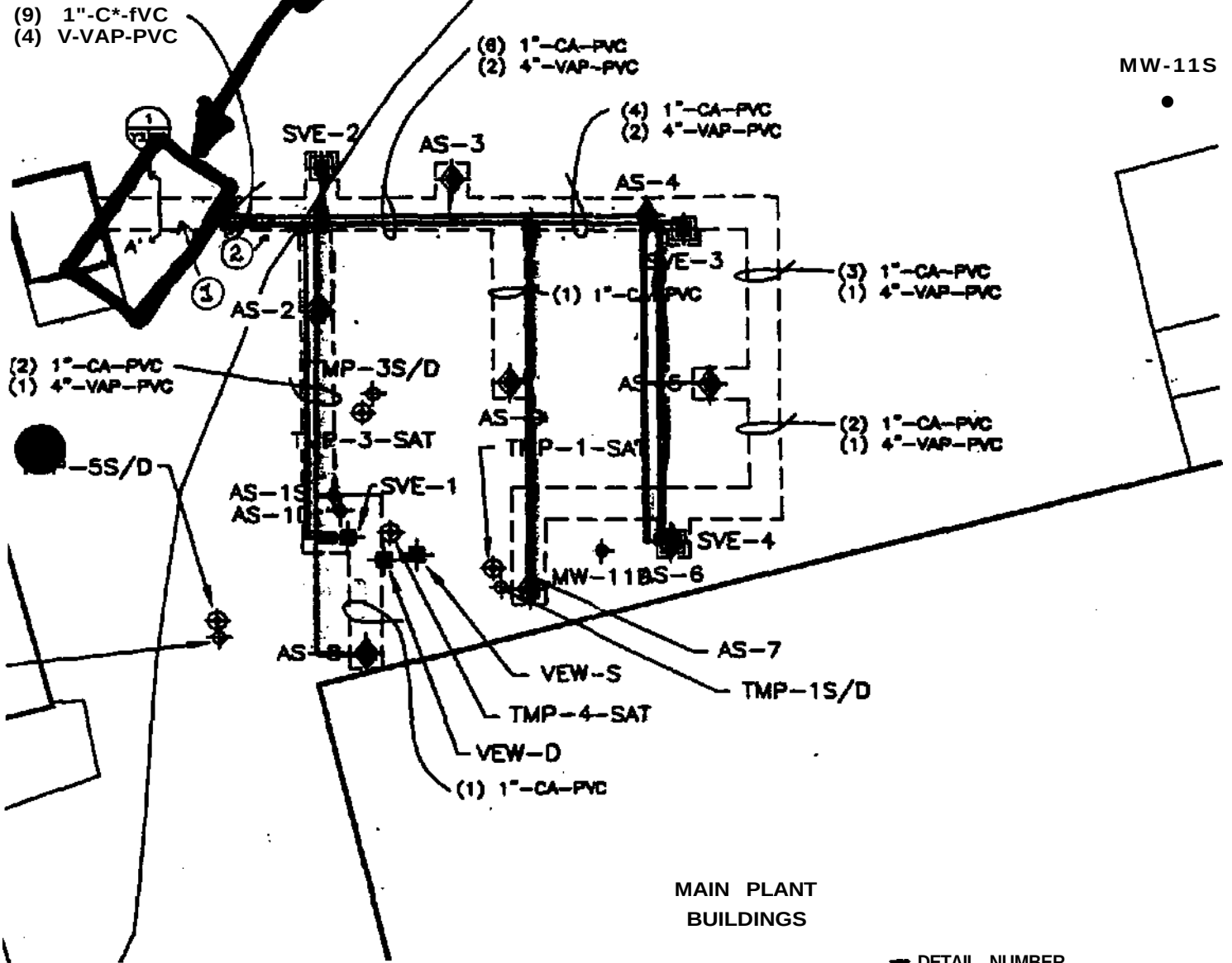


New PAD LOCATION

 DETAIL NUMBER



SHEET ON WHICH
DETAIL IS FIRST
REFERENCED



Attachment 2

Processed Gravel Base
Certificate of Compliance

Steel Pipe

SPECIFICATIONS

ASTM Number	Explanation	ASTM Number	Explanation
A-53	Covers seamless and welded black and galvanized steel pipe furnished in the following types and grades: Type P - Furnace Butt Welded (also known as continuous weld) 1/8 in. to 4 in. NPS Type S - Electric-Resistance Welded. Grades A and B 1/8 in. to 24 in. NPS Type F - Seamless. Grades A and B 1/8 in. to 28 in. NPS Except for Type F, pipe ordered to this specification is suitable for forming, bending, and flanging. Grade B, the most common, has a minimum yield of 35,000 psi Marmun/Keystone stocks dual stenciled and dual certified materials to API 5L in both Seamless and Welded where applicable.	A-311	Covers stress-relieved cold drawn carbon steel bars produced to mechanical property requirements- One class, 6, is cold drawn with higher than normal {heavy} drafts to provide higher strength levels.
A-106	Covers seamless only carbon steel pipe for high-temperature service. Furnished in one of three grades, A, B or C. Suitable for bending, flanging, and similar forming operations.	A-333	Covers nominal wall thickness and welded carbon and alloy steel pipe intended for low temperature service. (-50 to -320°F). Several grades are covered. Including Grades 1, 3, 4, 5, 7, 8, and 9.
A-134	Covers electric-fusion (arc)-welded straight seam or spiral seam plate pipe 16 in. and over in diameter, with wall thicknesses up to 3/4 in. This pipe is intended for conveying liquid, gas, or vapor.	A-334	Covers six grades of seamless or welded carbon and alloy steel tubes intended for use at low temperatures (-50 to -320°F).
A-135	Covers two grades of electric-resistance-welded steel pipe (A and B) 30-in. diameter and under. Pipe is intended for conveying liquid, gas, or vapor; and only grade A is adapted for flanging end bends.	A-335	Covers nominal wall seamless alloy steel pipe intended for low temperature service. Pipe ordered to this specification shall be suitable for bending, flanging, and similar forming operations, and for fusion welding. Section will depend upon design, service conditions, mechanical properties, and high temperature characteristics. This specification covers twelve grades, most common of which are Grades 1, 5, 7, 9, 11, and 22.
A-139	Covers five grades (A and B of electric-fusion (arc)-welded, straight-seam, or spiral-seam steel pipe. 4 in. and over in diameter with nominal wall thicknesses up to 1 in. Has different mechanical properties than standard plate grades. Used for conveying liquid, gas, or vapor.	A-405	Covers one grade (P-2*) of seamless ferritic alloy-steel pipe specially treated for high temperature service.
A-181	Covers seamless, hot finished and cold drawn, low carbon and carbon-manganese steel still tubes, for use in carrying fluids at elevated temperatures and pressures in various types of heaters. This specification includes tubes 2- to 9-in. O.D. inclusive and 1/8 to 1/2 in. in minimum wall thickness.	A-500	Covers cold formed welded and seamless carbon square, rectangular, or special shape structural tubing for general structural purposes. Covers three grades: Grade A - 39,000 psi Min. Yield Grade B - 46,000 psi Min. Yield Grade C - 50,000 psi Min. Yield
A-178	Covers electric-resistance-welded tubes made of carbon steel and intended for use as boiler tubes and superheater tubes. Includes sizes 1/2 in. to 5 in. O.D. and 0.035 to 0.320 in. in minimum wall thickness.	A-501	Covers hot-formed welded and seamless carbon steel, rectangular, square, or special shape tubing for general structural purposes.
A-179	Covers seamless cold drawn low carbon steel tubes for tubular heat transfer apparatus. Includes sizes 1/8 to 3 in. O.D. inclusive.	A-512	This specification covers cold drawn welded carbon steel tubes for use as mechanical tubing. It covers round, square, rectangular, and special shapes. Common grades in warehouse stocks are 1010, 1015, and 1020. (Note: See tolerance section on page 68 for additional information on this specification.)
A-102	This specification supersedes A-63 and covers seamless carbon steel boiler and superheater tubes (or high pressure service). Includes sizes 1/2 to 7 in. O.D. and 0.085 to 1.000 in. minimum wall thickness.	A-513	This specification covers electric-resistance-welded carbon and alloy steel tubing for use as mechanical tubing. It covers round, square, rectangular, and special shapes made from hot or cold rolled steel. It covers "as welded," "cold drawn," "mandrel drawn," and "special smooth inside diameter." Common grades in warehouse stocks are 1010, 1015, 1020 and 1026. (Note: See tolerance section on page 66 for additional information on this specification.)
A-188	Covers several grades of chromium-molybdenum and chromium-molybdenum-silicon seamless cold drawn intermediate alloy steel tubes for heat exchangers, condensers, and similar heat transfer apparatus. Includes sizes 1/8 to 3 in. inclusive in O.D.	A-519	This specification covers a multitude of grades of carbon and alloy steel seamless mechanical tubing. It covers both hot finished and cold drawn tubing up to and including 12-3/4 in. outside diameter with wall thickness as required. Common grades in warehouse stocks are 1018, 1020, 1025, 1026, 4130, 4140, and 4142. (Note: See tolerance section on pages 64 and 65 for additional information on this specification.)
A-200	Covers same grades as A-188 except use and size range varies. This specification covers sizes 2 to 9 in. O.D. and wall thickness over 0.220 in.	A-524	Covers low alloy carbon steel pipe for process piping applications. Suitable for welding, bending, flanging, and similar forming operations. Low alloy grades are covered: Grade I (.375 in. wall thickness end use) and Grade II (greater than .375 in. wall thickness).
A-200	Covers three grades of seamless carbon-molybdenum alloy steel boiler and superheater tubes, including sizes 1/2 to 5 in. in O.D. and 0.035 to 0.500 in. minimum wall thickness.	A-618	Covers three grades of hot formed welded and seamless high-strength low alloy square, rectangular, round or special shape tubing for use in bridge or building construction and general structural purposes.
A-210	Covers seamless medium carbon steel boiler tubes and boiler flues, including safe ends, arch and stay tubes, and superheater tubes. Includes sizes 1/2 to 5 in. in O.D. and 0.035 to 0.500 in. in minimum wall thickness.	A-571	Covers electric-fusion-welded steel pipe with filler metal added, fabricated from pressure vessel quality plate of several analyses and strength levels and suitable for service at atmospheric and lower temperatures.
A-211	Covers spiral welded steel or iron pipe 4 to 40 in. in diameter, and 1/8 to 1 1/16 in. in wall thickness. Intended for conveying liquid, gas, or vapor.	A-672	Covers low alloy fusion-welded steel pipe with filler metal added, fabricated from pressure vessel quality plate of several analyses and strength levels and suitable for high-pressure service at moderate temperatures.
A-252	Covers welded and seamless steel pipe for piling application or permanent load carrying member. Available in Grades 1, 2, and 3 to meet physical properties as required.	A-691	Covers electric-fusion-welded carbon and alloy steel pipe with filler metal added, fabricated from pressure vessel quality plate of several analyses and strength levels and suitable for high-pressure service at high temperatures.

U.S. 1-800 521-1283

Because of their quality and ease of installation, Femco Flexible Couplings have found wide acceptance among sewer and plumbing contractors and municipalities! Femco couplings are used for all types of in-house and sewer connections: drain and vent piping, house-to-main, repairs, city main conductor and roof drains and increasings-reducers.

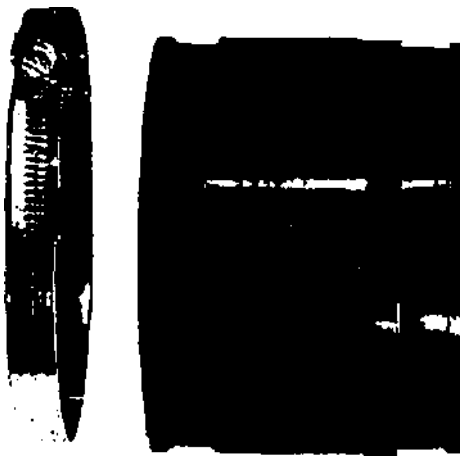
Made of tough elastomeric polyvinyl chloride (PVC), they are strong, resilient and unaffected by soil conditions. They are also resistant to chemicals, ultraviolet rays, fungus growth, and normal atmospheric conditions due to the inert nature and physical properties of the material. And they're leakproof, rootproof and seal against infiltration and exfiltration.

Femco makes the most complete line in the industry, from sizes of 1-1/4' to 27" (12mm to 381 mm) with couplings available to connect any two pipes. For larger size connections, see Large Diameter Couplings on page 12. The dimensional flexibility of Femco couplings ensures leakproof joints on virtually any pipe material: plastic, cast iron, asbestos cement, clay, concrete, steel, fibre and ductile iron.

Ail couplings are clearly marked with part number, size, and pipe materials that the coupling will connect. Femco makes fast delivery of stock items with no minimum order required. For special applications, but custom design service can supply couplings to individual customer requirements.

FLEXIBLE COUPLINGS

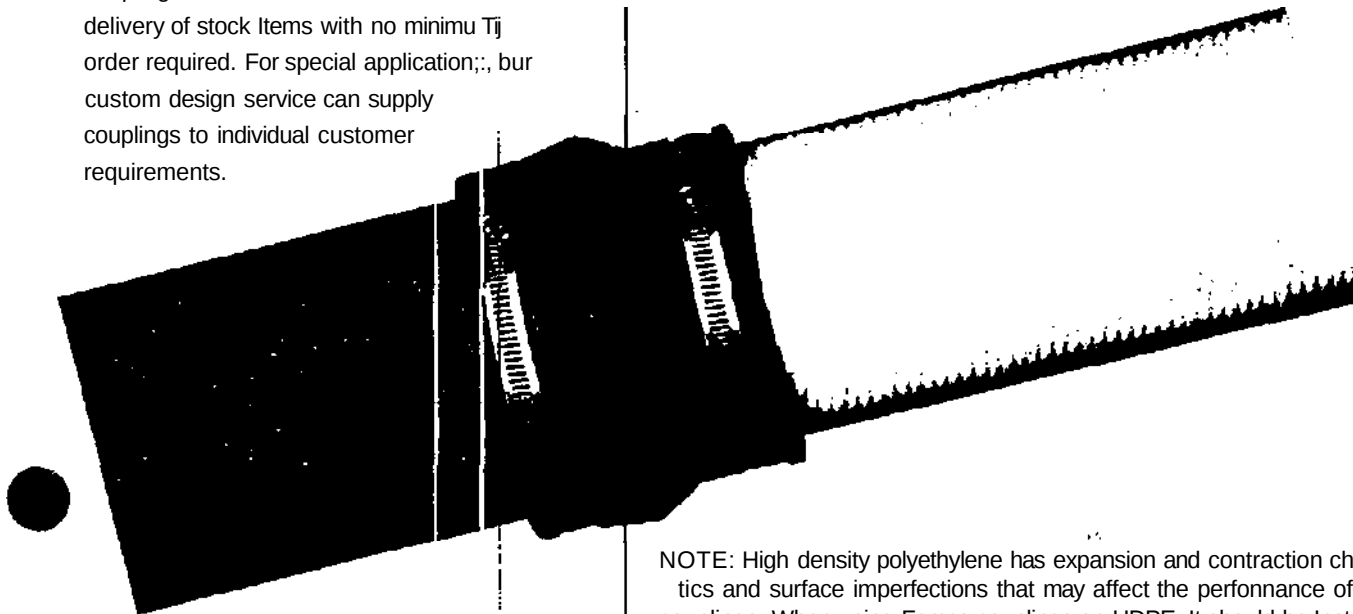
for sewer, drain, waste & vent piping.



**Takes only minutes for average connection.
Place coupling over spigot and tighten bands.
Saves money by saving installation time.**

Fernco Flexible Couplings

For further information on Code approvals,
contact Femco Customer Service Department.

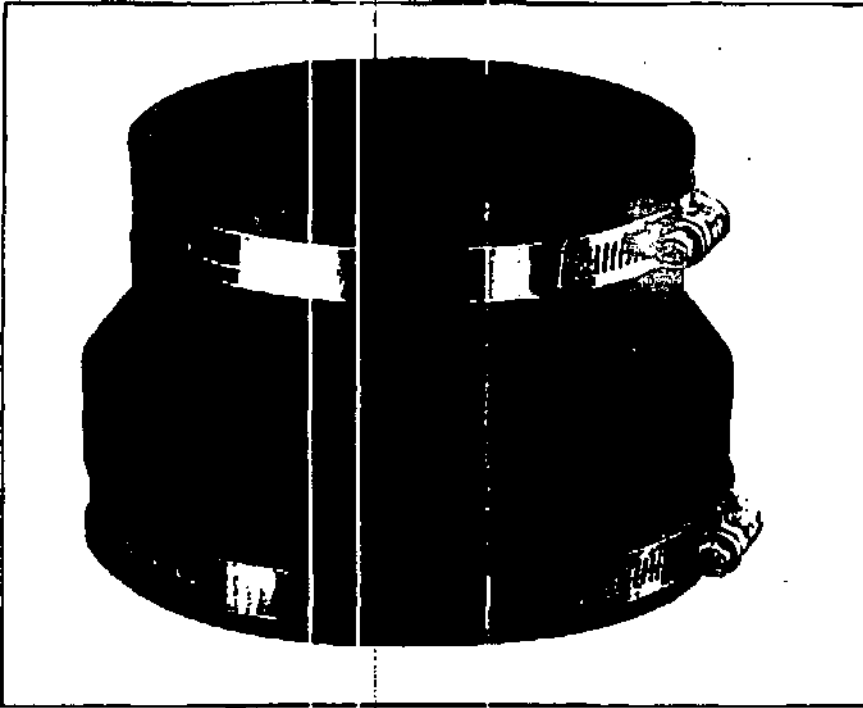


NOTE: High density polyethylene has expansion and contraction characteristics and surface imperfections that may affect the performance of Femco couplings. When using Femco couplings on HDPE. It should be installed on a smooth, gouge free surface with the pipe at operating temperature.



FLEXIBLE COUPLINGS

for sewer, drain, waste & vent piping.



Tested Design

helps you make the right connection.

**Specially formulated PVC
compound positively seals
any sewer and drain
connection.**

Positive seal
against infiltration
and exfiltration

Leakproof
rootproof.

Conforms to
applicable part of
ASTM#C443.
C42S, CSl4.
D1869, CI 172.
D5926

Connects pipes of
same or different
sizes and materials
quickly and easily.

Stainless steel
clamps are corro-
sion-resistant and
rust proof.

The industry's most complete line of couplings allows any two pipes—regardless of size or material—to be connected quickly and easily.

All Femco clamps, including the band screw and housing, are made from Series 300 Stainless Steel. They are corrosion-resistant and rustproof. Additional band slots have been added for greater flexibility and the bands are specially designed for greater sealing efficiency.

Femco couplings flex with earth movement, maintaining integrity of seal.

No special tools needed. Installs easily with screwdriver or 5/16" C7.93mm nut driver or socket (to 60' lbs. torque.)

Femco Flexible Couplings are air, water and smoke tested from Alaska to Puerto Rico and they've proven themselves in even the most demanding of applications and conditions. Because Femco Couplings earned a reputation for consistent, superior performance, you can have full confidence in their quality and reliability.

Femco makes fast delivery of stock items with no minimum order required. For special applications, our custom design service can supply couplings to individual customer requirements.

Femco Flexible Couplings and Donuts are widely recognized throughout the industry for high quality—backed by over three decades of proven performance—Series 316 Stainless Steel Clamps are available upon request. Please contact Femco Customer Service Department.





Print Key Output

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SUMMARY AVAILABILITY

Branch/PIant .

Item Number.

1GVPE

S/D.D

1 STD GALV PIPE PE AS3CW

U/M.FT

1.68 LB PER FT.

P	Location	On Hand	Committed	Available	On Receipt
0 S		£52.00		252.00	
P					
Total 151		252.00		252.00	

Opnr I=Detail Availability S=Branch/Plant Information F24—More Keys

PVC Pipe

PVC PIPING

PVC Schedule 40 Pipe and Pressure Fittings

<atfs>

Schedule 40 PVC Pipe — Conforms to ASTM D-1785, Type I (normal impact), Grade 1 (high chemical resistance). This pipe also conforms to U.S. Product Standard PS 21-70 (supersedes U.S. Commercial Standard CS 207-60) as having the same O.D. dimension as Iron pipe. The National Sanitation Foundation (NSF) has approved pipe sizes 1/4" thru 12" for use in potable water service. Schedule 40 pipe should not be threaded.

PVC Schedule 40 Pipe

K p « Ste	O.D.	Avg. I.I.J.-	Mtn. WoB	tioatiaal Wt / R.	Uny WJ>. PS
1/2-	.840	.608	109	.161	600
3/4*	1.050	.SID	113	.214	460
1-	1.315	1.033	133	.315	450
1-1/4"	1.660	1.364	140	.426	370
i - i / r	1.900	1.592	1*5	.509	330
T	2.375	2.049	154	.682	280
2-1/2-	2.875	2.445	203	1.076	300
3"	3-500	3.042	216	1.409	260
4"	4.500	3.998	237	2.006	220
5"	5.563	5.017	258	2.726	190
6"	6.625	6.031	28C	3.535	180
8-	8.625	7.943	322	5.305	160
10'	10.750	0.976	365	7.532	140
12"	12.750	11-890	406	9.949	130
14"	14.00U	13 072	438	1181	130
16"	16.000	14.940	500	1S.41fi	130
18"	16.000	16.809	562	20 112	130
20*	20.000	18.743	593	23.624	120
24"	24.000	22.544	687	32.873	120

PVC Schedule 40 White Pipe

Port No.	• PIOC Sise	Prt=e
400005	1/3-	SO,U
400007	3/4-	JO. 15
400010	r	\$0.21
400012	1-1/4"	10 29
400015	1-1/2*	SO 30
400020	2*	\$0.33
400025	2-1/2'	SO. 78
400030	3"	\$0.82
400040	4'	Si.15
400050	5'	\$2.29
400060	6"	S2.12
400080	fi-	S3.26
400100	10"	S4.94
400120	12"	S6.S9
400140	14-	\$10.64
400160	16"	\$13.67
400180	18"	\$20.75
400200	20'	\$24.36
400240	24"	\$33.92

PVC Schedule 40 Harvel Grey Pipe

part Ho.	PJj» Btn»	Pzlae
4000Q5G	1/2-	S0.27
400007G	3/4-	\$0.36
40001DG	r	\$0.53
400012G	1-1/4'	\$0.71
400015C	1-1/2"	\$0.43
400020G	2*	SI-13
400025G	2-1/2-	Si. 83
400030G	3"	\$2.33
400040G	4-	\$3.31
400050G	5-	S4.64
400060G	6'	S5.84
400080G	fi'	\$8.75
400100G	io-	S 12.65
400120G	12"	Si 6.72
400140G	14"	\$15.14
400160S	16"	\$19.75
40G180G	18*	S20.75
40Q200G	20"	\$24.38
400240G	24-	\$33.92

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Tee
SLIP X SUP X SUP

Part Ho..	- HIB	Dim C	Otto t	Dim G	Pace
401005	1/2	V2	1/2	1/2	\$0.27
401007	3/4	9/16	9/16	0/16	\$0.25
401010	1	11/16	11/16	11/16	\$0.47
401012	1-1/4	7/8	7/8	7/8	\$0.74
40101S	1-1/2	1	1	1	\$0.89
401020	2	1-1/4	1-1/4	1-1/4	SI.30
40102S	2-1/2	1-9/16	1-9/16	1^9/16	\$4.28
401030	3	1-7/8	1-7/8	1-7/8	\$5.62
401040	4	2-5/16	2-5/16	2-5/16	\$10.17
401050	5	—	—	—	\$24.57
4Q1060	6	3-T/3	3-1/2	3-1/2	\$34.25
401080	8	4-9/16	4-9/16	4-9/16	\$79.44



90° ELL
SUP X SUP

Port No.	Slxe	XHm A	Dtm fi	Pries
406005	1/2	1/2	1/2	\$0.16
406007	3/4	9/16	9/16	S0.20
406010	1	3/4	3/4	\$0.36
406012	1-1/4	7/9	7/8	\$0.63
406015	1-1/2	1	1	SO 66
406020	2	1-1/4	1-1/4	SI.06
406025	2-1/2	1-9/16	1-9/16	\$3.20
406030	3	2-27/32	2-27/32	S3.83
406040	4	2-11/32	2-11/32	\$6.86
406050	6	—	—	117.72
406060	6	3-1/2	3-1/2	\$21.80
406080	8	4-9/16	4-9/16	S56.14

888-340-AYER



PVC PIPING

PVC Schedule 80 Pipe and Pressure Fittings



Schedule 80 PVC Pipe — Conforms to ASTM D-1785, Type 1 (normal impact). Grade 1 (high chemical resistance). This pipe also conforms to U.S. Product Standard PS 21-70 (supersedes U-S- Commercial Standard CS 207-60) as having the same O.D. dimension as iron pipe. The National Sanitation Foundation (NSF) has approved pipe sizes 1/2" thru 12" for use in potable water service. Schedule 80 pipe may be threaded.

PVC Schedule 80 Pipe

Plpo Sbc	CJ>.	Aw* LD.	fella. YKfil	Nominal WL/PL	l f n W.P. FS1
1/8'	450	.203	.095	.058	1230
1/4-	.540	.286	.119	.100	1130
3/8*	.675	.407	.136	.138	920
1/2-	.840	.528	.147	.202	850
3/4"	1.050	.724	.154	.273	690
r	1.316	.935	.179	.402	630
1-1/4"	1.660	1.256	.191	.554	£20
1-1/2*	1.900	1.476	.200	.673	470
2-	2.375	1.913	.218	.932	400
2-1/2-	2.875	2.280	.276	1.419	420
3'	3500	2.864	.300	1.903	370
4*	4.500	3.786	.337	2.782	320
5*	5.563	4.767	.375	3.867	290
6'	6.625	5.709	.432	5.313	260
6'	6.625	7.565	.500	8.058	250
10-	10.750	9.492	.593	11.956	230
12'	12.750	11.294	.687	16.437	230
14"	14.000	12.410	.750	19.790	220
16-	16.000	14.214	.643	25.430	220
ia-	18.000	16.014	.937	31.630	220
20*	20.000	17.814	1.031	40.091	220
24'	24.000	21.410	1.216	56.862	210

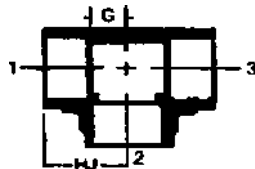
PVC Schedule 80 Gray Pipe

Port No.	PIP* Stta	M e e
800001	1/6-	\$0.25
800002	1/«-	\$0.30
800003	3/a-	\$0.34
000005	1/2"	\$0.14
800007	3/4*	\$0.19
000010	1*	£0.29
800012	1-1/4-	10-39
800015	10/2"	\$0.46
800020	2'	\$0.66
800025	2-1/2-	11.07
600030	3'	\$1.34
800040	4*	\$1.92
B00050	5-	53.22
800060	6"	13.78
600080	fl-	15.66
800100	io-	16.54
800120	12*	J11.79
800140	14-	117.25
800160	1 fi-	S30-23
600160	le*	S32.B5
600200	20-	141.37
800240	24"	S58.69

PVC Schedule 80 Harvel Grey Pipe

Part No.	Ptf» & **	VHOB
B00001H	1/8-	\$0.40
800002H	1/4*	\$0.56
800003H	3/8-	\$0.76
800005H	1/2"	\$0.22
800007H	3/4-	\$0.46
000010H	r	\$0.45
600012H	1-1/4*	\$0.62
600015H	1-1/r	\$0.74
800020H	2'	\$1.54
000025H	2-1/2*	11.23
600030H	3'	\$3.14
B00040H	4'	\$4.£9
800050H	£-	\$3.34
B00060H	6'	\$B.77
800080H	8'	\$6.86
B00100H	10*	\$9.64
800120H	12*	\$13.25
800140H	14*	\$17.24
B00160H	16'	\$26-24
800180H	18"	\$32.85
800200H	2a	\$41.37
800240H	24'	\$58.69

**P/L 08 Material: PVC Type I Gray (cell classification 12454-8J
Meets ASTM D 2467 (Socket) and ASTM D 2464 (Threaded)**



Tee (S x S x S)

Post No.	men cbo	HJ .	G	PBcm
801002	1/4	61/64	21/64	\$1.77
801003	3/8	1-9/64	13/32	\$1.77
801005	1/2	1-25/64	17/32	\$1.77
801007	3/*	1-37/64	19/32	\$1.B6
801010	1	1-27/32	23/32	\$2.32
601012	1-1/4	2-5/32	29/32	\$6 38
601015	1-1/2	2-13/32	1-1/32	\$6.38
801020	2	2-25/32	1-9/32	\$7 96
801025	2-1/2	3-0/32	1-17/32	\$6.68
601030	3	3-23/32	1-55/84	\$10.85
SO1040	4	4-19/32	2-23/64	\$12.53
801060	6	fr^/16	3-9/16	\$42.93
801080	6	8-9/16	4-9/16	\$99.53

888-340-AYER

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For information

WENZEL CONTRACTORS M
CHEMUNG BUILDING

•97 r*n) 854B PIGC BB6



CONSTRUCTION SHEETING

Poly-America's construction sheeting is made of high density polyethylene which provides for optimum in economy and performance. Because of its good weatherability, chemical inertness and toughness, Poly-America's polyethylene sheeting has been used for over 20 years in a wide variety of applications. Thickness ranges from as little as .3 mil for paint drop cloth* to 100 mil for UAC u landfill liner. Widths range up to 40 ft. If you have a special application or need more information on our products, contact your area sales representative.

Poly-America's standard sheeting will meet of
specifications:

the following standard technical

Construction Sheeting

ASTM D4397 (see Tables 1 for Impact Resistance and Water Requirement)

ASTM D4635

Federal Specification LP-378

Federal Specification LP-390

Federal Specification L M 12

Class
Grade 1 or 2

Coaitruction Sheeting Cant.

ASTMD124S

Typo I (density .910 to .925)

Category 3 (meh index L lo 10)

CUsa A or C (A- oeturel or clear)

<C-black)

Orach Ol or 03 (physical property requirownu)

ASTMD2103 Standard Classification

12230 (dear)

12231 (black)

Note: If requested custom sheeting can be made to meet the following oUuificaTtoca.

12130

13130

13230

12330

13330

nniBbpadcoftBcAsAOctstfUm B1I

TyptI

Surface II

CUstI

Finish 1

TABLE 1

TUdOMsa ASTMD374 mils	Part Impact ASTMD1709 — jss	WVTR ASTME°6 am 100	WVTR ASTME96 sajn-day perms	WVTR ASTME96 metric perms
1	40	1.40	.76	50
	85	.70	38	25
	125	.47	.25	.17
	163	33	19	.12
	203	.28	13	.10
	260	.23	13	.084
	315	.20	11	.070
	370	.18	.096	.063
	420	.16	.082	.054
10	473	.14	.076	.030

$\sim \pm L$

NOTE: The above la for our standard sheeting prodmn*. Poly-America will produce cimem sheeting prcxhicts to moel other chv*u^ Contact Poly-America to Me how they can help you with your needs.

. ftp* IB. 199B HZ:37 pa

Fejcinmticw ->

t*T7 7% Bfitt MBS HZ

MATERIAL SAFETY DATA SHUT

POLY-AMMO*, INC.
WN WBST UAUKAIX D I M
OfRAKP N U D U E. TSUA 7J051
1H4IT-4S74

PRODUCT

Putyrtayw— SheetfaojBeeji

IMPORTANT:

Poly-Ammo*, Inc. ert>* •a^ouitor or recipient of (hi* Mii)i*JStfTy
to become eWOT of aid uaotmindthe hwrflj mohrfnri vnh die product. Tb*md«r«bould insider
consulting refemot wodo or mdi*vfc*i« who ere expert in reatlsticev toxcotagy or fire prevention, *s
memory or epproprnite to use end undenund the dam contursd in thia MSD3.

NOTICE:

This product is not FDA, CPSC or NSF compliant, b is uwsuble fox uum applications 1116*101 direct a
indirect food contest. toyi, mediad cevtot or pterffltecucl application! of for potable water application.

SECTION i

IDENTIFICATION

OwwlcalN Polychytaea Keain*
CASNasber 9002-SM
Synovjau: Higfrdoniiy Polyethylene (HOPE)
LimcrLow-dwitay Polyedyepie (LLDPE)

SECTION fl

COMPOSITION

	CAS No.	AOGU1 TLV	AGGTfl 91£L	OSHA PEL	OSHA OTKL	WL% 91-100	Cerchuftflk LUft>C *
Potimhyiene. hoapolyaer	V0C2-*t-4	NO,	N/L	N/L	NO.	91-100	N/L
1-Octane							
polymer with ethane	3633U7].t	N/L	N*.	N/L	N/L	91-100	N/L
1-Butene							
potynerwithetheM	25087.34-7	N/L	N/L	NO.	N/L	M.I00	N/L

* 1-OSHA I"UftC J*NTE 4-Ofen :«/L« Net neCed

SECTION m-

ncvsiCAL PKoramss

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Thli antirlal te NOT HAZARDOUS by OSHA HaierdCoeniutiketloti

Boi*M Point: Not applicable
Vapor Pnneurw Net applicable I
SofcibahY to Water NU
DfOtfty: .900- 9fiQ pn/it
Thin solid film or sheet
Odor Hoc*
Vohrtileei

J nt« lot)

. Ryr IB, 1MB K!39 pat

ruination ->

af?79b gfi« P«BflB3

SEcnorr iv**FUttAWD EXPLOSION UAMKO DATA**

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FMPalM:

C 0 O -ft»ifawiF

FfeamMaLtaate:

Not applicable

Fin Filling:

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 Extravashen ouy«isobemod. UwNIOSheppToredeelf-
 Cantaimd hieatling append* whea fightsna fiw in endkwdd
 m» SUTiediuBBMewibegFnenited EKEOWVC airborne
 du* may cause ocpiantL

DetanipaaiHon Product*:

C02; HZ. Rd wdtf leen O ^ B * » ee«JiBom. CO

SECTION V**WAcnvrry**

StaMlty:

Stabl

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leewmv Fwyne^BHtsn!

Does not occur

Now

BEcnort vi**HEALTH**

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So Wordun

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Minimal toxicat

CwaureLtaiHi:

No limit

fox polyethylene

Fir* At*

If ingested, i

. health effect, 3kia contact with tmhenplarxcihould be

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SECTION VJL**EMPtOYTK'**

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rdon. T^uxCTResUe should detemtnePPS

SECTION Via**HAMMJNC AWP aTOKAO***

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 tntnufacurer TW'ooMeejidpli^c wiQbvmiilTheprejanwofqjenllawe Do not weld or UM f*»"
 flaw whr*™ product* itore4 without proper fire ti jhto^ pmvertion p m c t u m

SECTION PC**EWVOCQNMSNTALFROTTCTKXN**

Polyethylene thccU or bap are owwiderad ncn-hazatdna, ho»cv<r Uuy d*gf*d# very eloerty and nty
 Become i ruuance. Recycle oldorunmad pJanie^hcnpowiWe. C*b«r*iw. dltpou in landfile or
 Incinerator* in accordance with local, «uct, end federal regulations.

PtftsSofj

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04/10/M 14:U

TT/R1 NO. ilia

poa

- Apr 1B, 1998 »:3H jm

fnimtitm ->

« 7 7 » G4JB HEX HM

LSBCTIOW X TRAMETOt INFORMATIONSECTION xi APPITON At INFORMATION

POT: Not Applicable

HHB:	HMMI:	U
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PREPARED BY.....W«Qr / Bnwronmwmd Cuunlifia
PKEPKRATIQN'DATESdplfnfa«r 1.1991

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•ffIB NUMSOK 9 A V MI A II * DAYS. MOJO* WSSKEHdft AND H0UDA.T3

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JAfonatzicn end thee opinion mi the cooditiatt of ate of the prodW fje aet vii ha the conael of
Poly-Am vies, Inc. it u th* wefe obligebon to determine *• aondiaom of safe ux of thii product

P»ge3oU

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JOB STAMP

Portland Cement Concrete

n Asphalt Concrete

SHIPPED FROM
Plant !5^yZ
Location "QLASASL*....it . *I\

C^RM-S

Plant No. 3o / <*
Region -- ^»
Shipping Oate 1 / I \$/rtCD

SHIPPED TO;
Project No. ^ S A J £ h. / j
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-4n&TsLf

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Attachment 4

Cast-In-Place Concrete Slump and Air Entrainment Test Results with Concrete Strength Test Results

DALRYMPLE GRAVEL * CONTRACTING CO., INC.

•CONCRETE TEST REPORT

CLUWTi \Aift^g<.] pATE MOLDED. 9" *3**<>

OWmUCTG: UJftiffTe-1 JOB WO. ?U<*Cs

conquers mrruau ^<>C JOX: t*J#Ltto₁^4/ J*k It«ttl

OCTAL Kjuamft uxanum Sr & ^t *ft^ t^jr^JA^

SRCXPZCAXZOI UQDXUMBRr AT 2* BAM MOOO WI t IB PAIS

JL &
Jfcf

1 toO tt*Q-

WEE ACCKBCAIEI /3 7T "3Sglf rooms

COAII AfICEESAIEt / 7 £ J " ~Z*i

HATO BAKU rUET /^g.OCAIB. ADDPt JZSL QAU. - TOTAL / * P - 6 CALS.

V ^ <tt7 ^ »ul ^ I*W UMC<JL

ELatrr 3YE" Am pmuiotOTi 6 - * %

COECtm TCHP.i (i V C Alt TBWT.t AJ/»

cnmi mason SP^A^ UXMUK

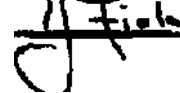
TEDCK WO.: **** * TICKET 110.1 yy*fe6 coiic TAOSI B 0

* ilCWP: »'>*- 5IAKT DISCHARGE* &:Hg DiTTYI <V*0

rnuppjigctVE STRENGTH

.D. NO. ABE "6STS COTTO35TVE—
DAYS TESTED STRENGTH (PSD

TECHNICIAN:



DATE RECEIVED:

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t_D_v\ -e»0

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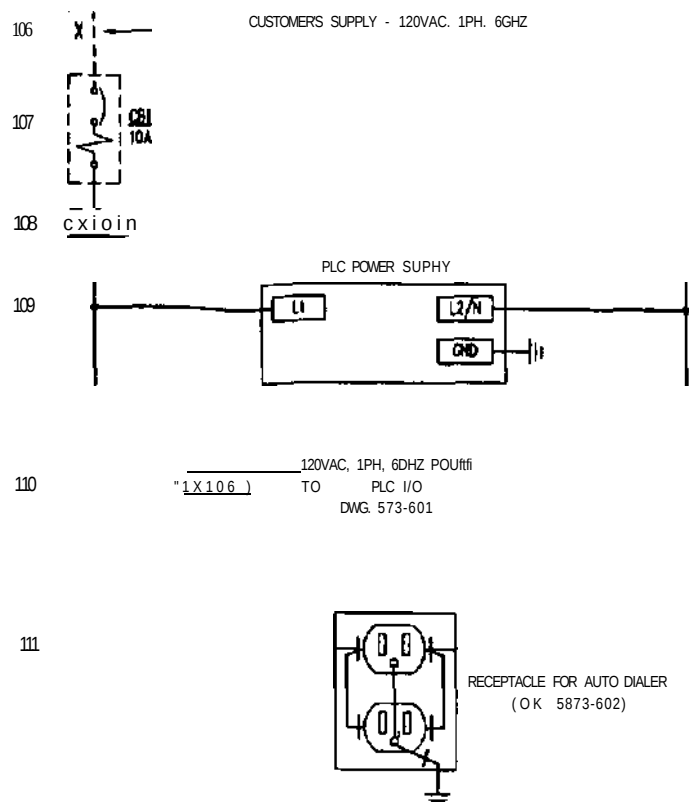
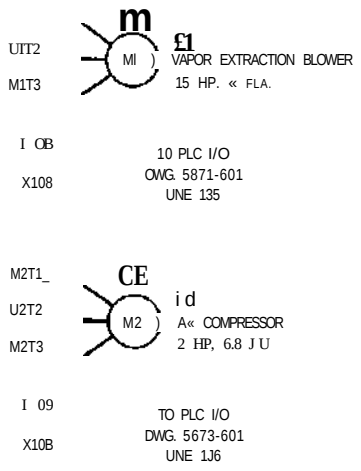
STRENGTH REQUIREAifINT AT 21 DAYS MOOO

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APPENDIX C

**EQUIPMENT LAYOUT AND CUT
SHEETS**



SYMBOLS

- CB - CIRCUIT BREAKER
- CU - CONTACTOR
- CPU - MANUAL STARTER / PROTECTOR
- CR - CONTROL RELAY
- FS - FUSE SWITCH
- LS - LEVEL SWITCH
- PB - PUSH BUTTON
- SS - SELECTOR SWITCH

LEGEND

CP	CONTROL PANEL	F	FUSE
ELD	FIELD MOUNTED	CP	FUSE TYPE URMW BLOCK
230V	230VAC TERMINAL BLOCK PANEL	MI	CROSS REFERENCE JUNE WUBER
D	LOW VOLTAGE TERMINAL BLOCK PANEL		

- ALL DEVICES ARE LOCATED IN G-1
CONTROL PANEL
UNLESS NOTED OTHERWISE.
- ALL DEVICES / ASSEMBLIES TO
CONFORM TO NEC/NFPA 79 SPECIFICATIONS.
- ALL 24VDC MOUNTED TO BE FIB AWC

DRAWN	DATE	CUSTOMER
VAL	B-22-00	CBS CORP.
CHECKED		joe
RON	0-23-00	HORSEHEAD, NY
		CUSTOMER PO

SCA1X	FUSE NAME
NONE	

DRAWING NO. 5873-600
SHEET 1 OF 4
REV. 00

SHBDBBCI

Rt. 519, Eighty Four Pa.
724-222-3334 Fax 724-222-4090

TREATMENT SYSTEM

MOTOR CONTROL / POWER SCHEMATIC

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(X108)		120VAC, IPH, 60HZ CONRMJEO FROM M73-600, UKE 110	
125			<u>WRITS</u> A-6 CAT. /1761-L32AWA)
126			HOT USD MOT USD AC CO*
	HANOV • AUTO		
127	<u>n l n</u> EB=1 (OX) START	100	IN 0
128			AUTOHOOC SELECTED
129	<u>PB-2</u> STOP		VAPOR EXTRACTWC BLOWER START
	eta START		VAPOR EXTRACTWC BLOWER STOP
130		Lfli.	IN 3
			AIR COMPRESSOR START
			<u>ACCOM</u>
131	STOP -o_l_o— <u>PB-5</u> LAMP TEST	104	IN 4
			AIR COMPRESSOR STOP
132		105	IN 5
			LAMP TEST
133	F5L-100 m	-Q-	106
			IN 6
			AIR aow TO MOISTURE SEPARATOR NOT LOW
134	LSH-101 CO K ^ T — CPU 1350 cm 102] L _ = = = _ _ r<yU2 CM2 I cm Hht	-0-	107
			108
135		ioa	IN 8
			VAPOR EXTRACTION BLOKR RUNNING
136		109	IN 9
			AIR COMPRESSOR ROWING
137	[IR150 [		IN 10
			AIR COMPRESSOR ON TIME
138	TRIS2 L" _ LJ	111	IN 11
			AW COMPRESSOR OFT 111IE
139		[12	IN 12
140		113	IN 13
141			IN14
142		115	w15
		HE	IN16
144		117	IN 17
145			IN18
146		119	IN 19
147			

120VAC, IPN. 60HZ POWER CONTIMJED TO DWG 5873-602. UNE 148

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CO

f **%** **<D**
4

VAPOR
 EXTRACTION
 BLOW

SEPARATOR
 UNIT

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LOW AIR
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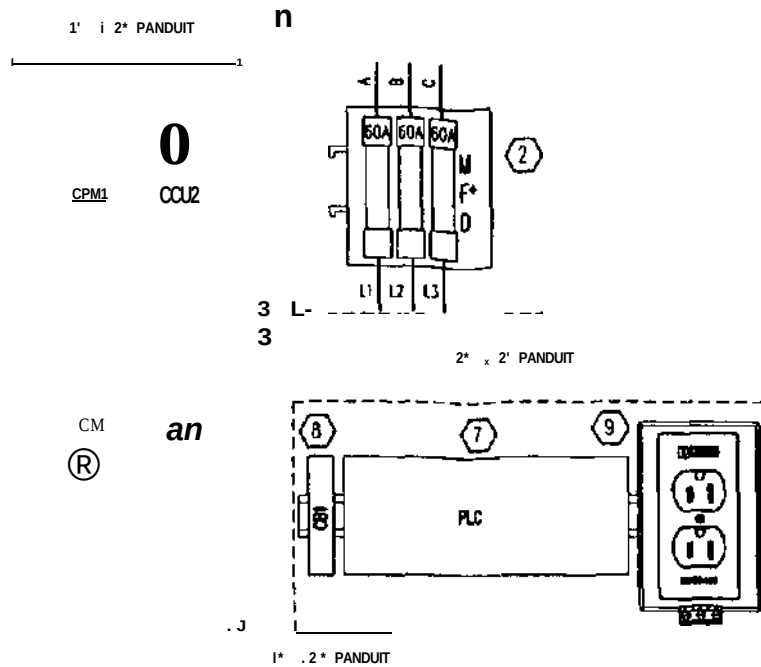
MODE
 HAND AUTO

3" 5"

DOOR

• CONTROL PANEL •

pn-i
 - -
 CONTROL PANEL
 (FRONT VIEW)



SUBPANEL ARRANGEMENT
[SIZE: 22.2"H « 222"W]

NOTES:

1. EXTERIOR TO BE PAINTED TEXTURED ANSI 61 WAY
2. NAMEPLATES ARE TO BE WHITE PHENOLIC
W/ BLACK ENGRAVING WITH EXTERIOR NAMEPLATES
ATTACHED W/ SCREWS
3. ALL WIRING TO CONFORM WITH NFPA 79 4 NEC
WIRING STANDARDS
4. ALL 24VDC WIRING TO BE J18AWG MIN.
5. PANEL SHOP TO SUPPLY A SPARE SET OF
WIRE TAGS.

BILL OF MATERIAL				
ITEM	QTY	TAG	DESCRIPTION	REMARKS
<D		CP	ENCLOSURE - NEMA 12. WAIL MOUNT, SIZE: 24"H i 24"W » 16"0P W/ SUBPANEL SIZE: 22.2"H X 222"W KC4TUAN CAT. JC-S0242416 & C-P2424	
<D		UPD	FUSED DISCONNECT SWTCH MT - 60 AUP, 600V. J FUSING W/ (3) 60 AMP TWE DELAY FUSES, HANOLE. SHAFT SQUARE '0' CAT. p421-N03/NW2^S36	
D		CPU1	MANUAL STARTER / PROTECTOR - 40 - 63 AMP SETTING W/ AUX. CONTACT BLOCK TELEMECANIQUE CAT. GV3M63 & CV1A01	
®		CUT	CONTACTOR - 3 POLE. 50 AMP. 120VAC COL TELEMECANIQUE CAT. (LCI0501IG6	
D		CPU2	MANUAL STARTER / PROTECTOR - 6 - 10 AMP SETTING W/ AUX. CONTACT BLOCK TELEMECANIQUE CAT. fGV2MI4 & GV2AE1	
©		OM2	CONTACTOR - 3 POLE, 9 AMP. 120VAC COL TELEMECANIQUE CAT. JLC1D0910G6	
D		RLC	PROCESSOR - MICROLOGIX 1000 ALLEN-BRADLEY CAT. J761-L32AWA	
D		cai	ORCUIT BREAKER - 10 AMP, 1 POLE, 240VAC SQUARE D' CAT. JMC24432	
D			DUPLEX RECEPTACLE PHOENIX CAT. 5600461	
#	1 LOT		TERMINALS & ACCESSORIES: (12) PHOENIX CAT. RUKSN (2) ENO ANCHORS - PHOENIX CAT. 1E/UK 4 OON RAI. AS REQ'O.	
®	1		AUTODIALER - PHONETICS, SENSAPHONE EXPRESS 0 TEMPERATURE SENSOR PART JFDC-0100	
©	2	TR150 TR152	TIMER - DIGITAL. 120VAC POKR W/ SOCKET 4 PANEL MOUNTING ADAPTER OMRON CAT. JH5CN-YDN-AC100-240 W/ P2CF-08 k Y92F-30	
©	2	PIT PL2	PILOT UGHT - RED LENS, 120VAC TELEMECANIQUE CAT. JZB48V04 k ZB46V3	
©	2	PL3 PL4	PILOT UGHT - YELLOW LENS, 120VAC TELEMECANIQUE CAT. (ZB4BVQ5 k ZB4BV3	
©	2	P31 PB3	PUSH BUTTON - MOMENTARY. N.O. CONTACT. WEEN FLUSH HEAD TELEMECANIQUE CAT. fZ64BA333 k ZB4BZT01	
⚡	2	P82 P84	PUSH BUTTON - MOMENTARY, N.C. CONTACT, RED EXTENDED HEAD TB.EMECANIQUE CAT. ZB46L434 k Z646Z102	
⚡	1	FE5	PUSH BUTTON - MOMENTARY, N.O. CONTACT, YELLOW MJSH HEAD TELEMECANIQUE CAT. fZB4SA5 k ZB4BZ101	
©	1	SSL	SELECTOR SWTCH - 2 POSITION. BLACK KNOB TELEMECANIQUE CAT. fZB4BD2 k ZB40Z10T	

OR AW*	DATE	CUSTOMER
VAL	8-22-00	CBS CORP.
CHECKED		JOB
RON		HORSEHEAD. NY
		CUSTOMER FO

SCALE 3/8" OLE NAME

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HdBQaSB
Rt. 519 Eightv Four Pa.
724-~~ISS~~3334 Fx 724-ZZ-4090
TREATMENT SYSTEM
CONTROL PANEL ARRANGEMENT
& BILL OF MATERIAL

OR AWN C NO. SHEET REV.

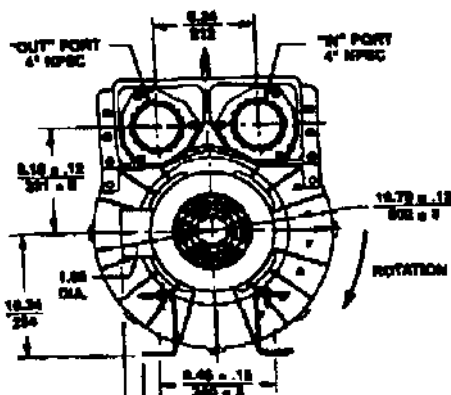
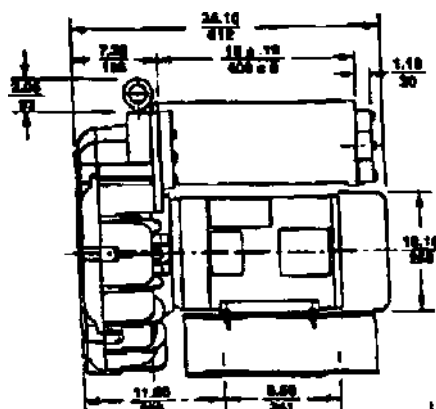
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IMETEK RotronTMD

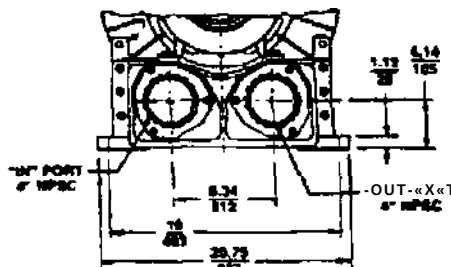
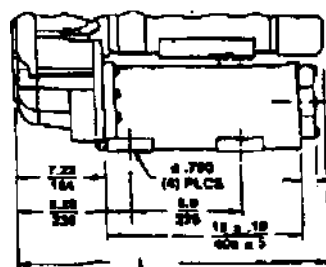
DR909&CP909 Regenerative Blower

Scat* CAD d m ** u.II*Injport»qu««.



MB-rtw aTM

RAIL MOUNTED UNIT
BASE MOUNTED OPTION



Moeei	I(W/«IM)
UMMBSTMF	14.10 reu
DRttMEHWin	3«.io/an
OfMOBBSnW	11.2/tt*
omoNBiex	i u / 6 »
DRBDUE72X	241 ' • «
DftMUENH	M.i * n
DRM98BT2X	23.2/Ht
HICMWETM	u.i/eu

DIMENSIONS: jjjjj
TOLCIANCSS; Jtt « £j
luNtess oTHeRwre MOTCO)

SPECIHICATIONS

MODEL [RAIL MOUNT^	DR909BE72W	DR909BE86W	0R909BB72W i	DR909BB66W	CP909FJ72WLR	HiE909BE72W
Part No. (Rail Mount)	036620	038625	036621	080300	038632	038633
Motor Enclosure - Shaft Material	TEFC - CS	TEFC - CS	TEFC - CS	TEFC - CS	ChemTEFC-SS	TEFC - CS
Horsepower	15	15	to	10	Same as DR909BE72W- 038620 except add Chemical Processing (CP) features from catalog inside front cover	Same as DR909BE72W - 038620 except add High Efficiency motor
Voitaoe'	208-230/460	575	230/460	575		
Phase - Frequency'	Three - 60 Hz	Three - 60 Hz	Three - 60 Hz	Three - 60 Hz		
Insulation Class ?	F	F	F	F		
NEMA Rated Motor Amps	41.5-37.6/18.8	14.6	26/13	10.5		
Service Factor	1.15	1.15	1.15	1.15		
Locked Rotor Amps	290/145	93	162/81	65		
Max. Blower Amps '	48.6-44/22	15.8	32.4/162	13-0		
RecommendBd NEMA Starter Size	2/2	2	2/1	1		
Shipping Weight	400 lb (162 kQ)	400 lb (182 krj)	400 lb (182 kQ)	400 lb (182 kg)		
Model No. (Base Mount)	DR909BE72X	DR909BE86X	DR909BB72X	0R909BB86X		
Part No. (Base Mount)	036622	038626	038623	080183		

¹ Rotron motors are designee* to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase moto'9 ana factory tesled and certified to operate on both: 208-230/415-460 VAC-3 ph-60 Hz and 190-206/380-415 VAC-3 ph-50 Hx Our dual voltage i phase motors are factory tested and certried to operate on botn: 104-115/206-230 VAC*1 ph-60 Hz and 100-110/200-220 VAC-1 ph-50 Hz. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered lor vottaoes outside our certified range.

* Majcimum operating temperature: Motor winding temperature (winding nse plus ambient) should not exceed 140°C for Class F rated motors or 120°C tor Class 6 rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C Inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 4Q"°C

3 Maximum blower amps corrasponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

SpecfflCattont tutyect to ehange without notice. P I M M consult your Local Raid Salta Engineer for specification update*.

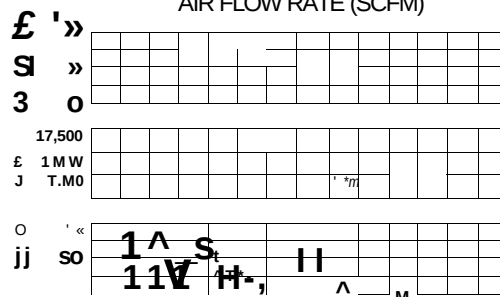
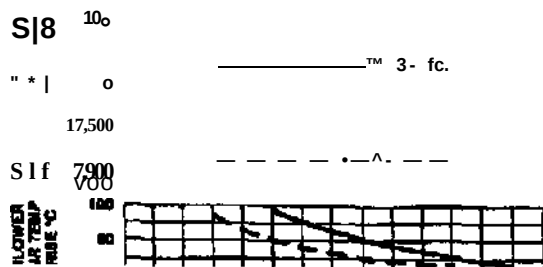
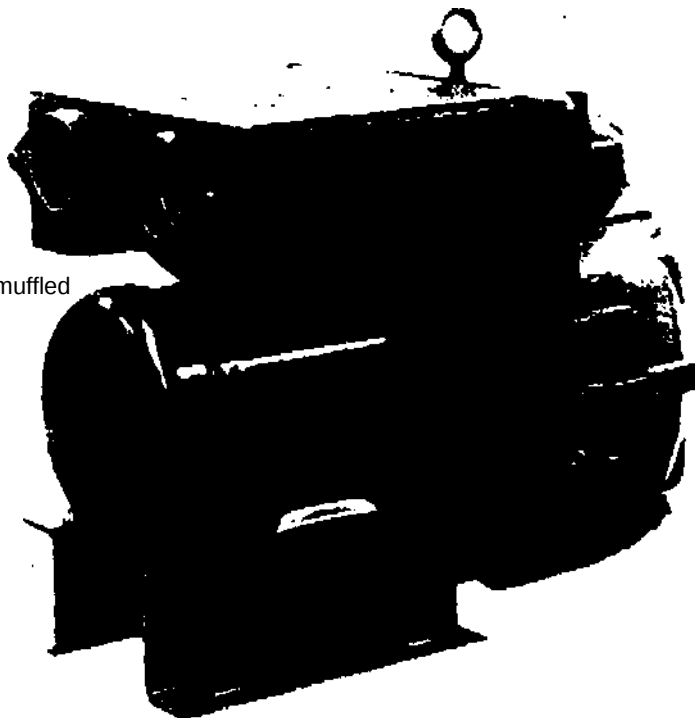
DR909&CP909 Regenerative Blower

- Manufactured in the USA - ISO 9001 compliant
- CE compliant - Declaration of Conformity on tile
- Maximum flow: 600 SCFM
- Maximum pressure: 125 IWG
- Maximum vacuum: 7.5" Hg (102 IWG)
- Standard motor: 15 HP, TEFC
- Cast aluminum blower housing, impeller & cover; cast iron flanges (threaded)
- UL & CSA approved motor with permanently sealed ball bearings
- Inlet & outlet internal muffling
- Quiet operation within OSHA standards when properly piped or muffled

- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

- Flowmeters reading in SCFM
- Fitters & moisture separators
- Pressure gauges, vacuum gauges & relief valves
- Switches - air flow, pressure, vacuum or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package



ROTRON MOISTHR.E SEPARATOR

AMETEK RotronTMD

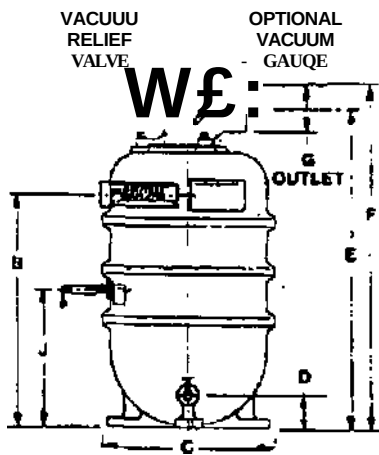
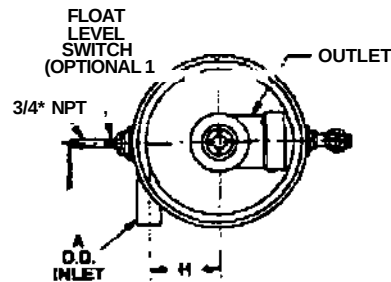
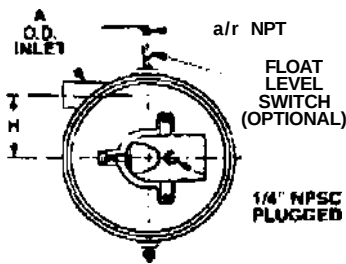
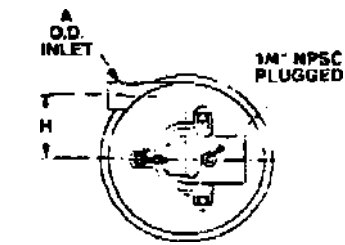
Moisture Separator Accessories

Moisture Separator™

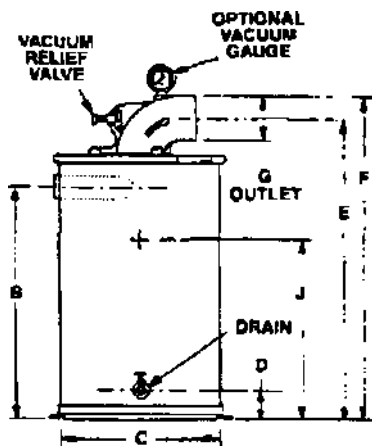
By separating and containing entrained liquids. Rotron's moisture separator helps protect our regenerative blowers and the end treatment system from corrosion and mineralization damage. Recommended for all soil vacuum extraction applications.

SPECIFICATIONS:

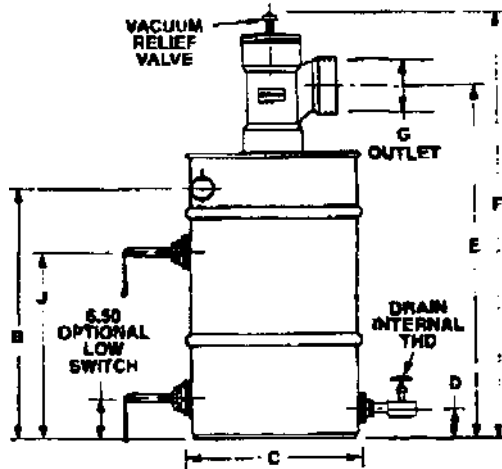
- SEPARATION METHOD - n^u Efficiency Cyclonic
- RELIEF VALVE MATERIAL - Brass & Stainless Steel
- FLUAT ivirtl EhiAL - Copper
- FLOAT SWITCH - SPDT, Explosion-proof
NEMA 7&9, 5 Amp max.



PLASTIC "P" DESIGN



METAL "D" DESIGN



METAL "B" DESIGN

Model	Pari No.	CFM Max.	ADia.	a	CDia.	D	E	F	QDIfl.	H	J Switch	Drain Internal THD	Shipping Weight
MS200PS	038519	200	2 38	2246	16.42	3.25	31.05	33.30	4.50 OP	6.00	13.25	3/4" NPT	421b.
MS300PS	038520	300	2 86										
MS200DS	060086	200	2.00	24.50	14.00	3.00	39.00	30.33		6.01 576	15.00		
WJ300DS	080087	300	2.50										
MS35QBS	038357	350	3.25	28.39	23-00	500	30.75	41.25	6.83 ID	9.75	16.87	1" NPT	821b.
MSSOQBS	038354	500					37.37	54.50					9.25
MSeooBS	038353	800	4.00	27.87	4800	59.00	9.25 OD	10.50		24.00	981b.		
MS1000BS	038914	1000	8.00	31-00							27.00		1501b.

Models without float switch available. Metal MS200/300DS models are not the standard stocked, but are available.

LL1 ia,

Blowrar Modal Refaranoa Kay

A - SPIRAL

B « DR/EN/CP 068, 063,101,202

C = DR/EN/CP 303, 312, 313, 353

ft - DR/CNTCP 404, 454, 513, 505, 555, 523

E • OFVEN/CP 606, 8543, 6, 623, 37, \$75

F « DR/EWCP 707, BOS, 385, B5B, S9, P9 flintat Only)

G =0R/EN/CP 623, S13,P13 (Inlet Only)

"H s DR/EN/CP 909,1223,14, S15, P15 (Inlat Only)

Filtration[^]
Accessories

2.0 Moisture Separator™ Specifications

2.1 DUTY

The moisture separator shall be designed for use in a soil vapor extraction system capable of continuous operation with a pressure drop of less than six inches of water at the rated flow of _____ SCFM. The separator shall be capable of operation under various inlet conditions ranging from a fine mist to slugs of water with high efficiency.

2.2 PRINCIPLE OF OPERATION

The moisture separator shall incorporate cyclonic separation to remove entrained water. The separator must protect against an overflow by fail safe mechanical means- An electrical switch or contact(s) alone is not an acceptable means of protection against overflow, but is a good backup.

2.3 CONSTRUCTION

The body of the moisture separator shall be constructed of heavy wall plastic or heavy gauge cold rolled steel. The steel interior and exterior shall be epoxy (powder) coated to resist abrasion, corrosion, and chipping that might expose the surface. The inlet shall be tangentially located and welded to the body. The outlet port shall be constructed of PVC or cast aluminum alloy, flanged and sealed to the center of the top of the separator. The separator shall incorporate a non-sparking copper

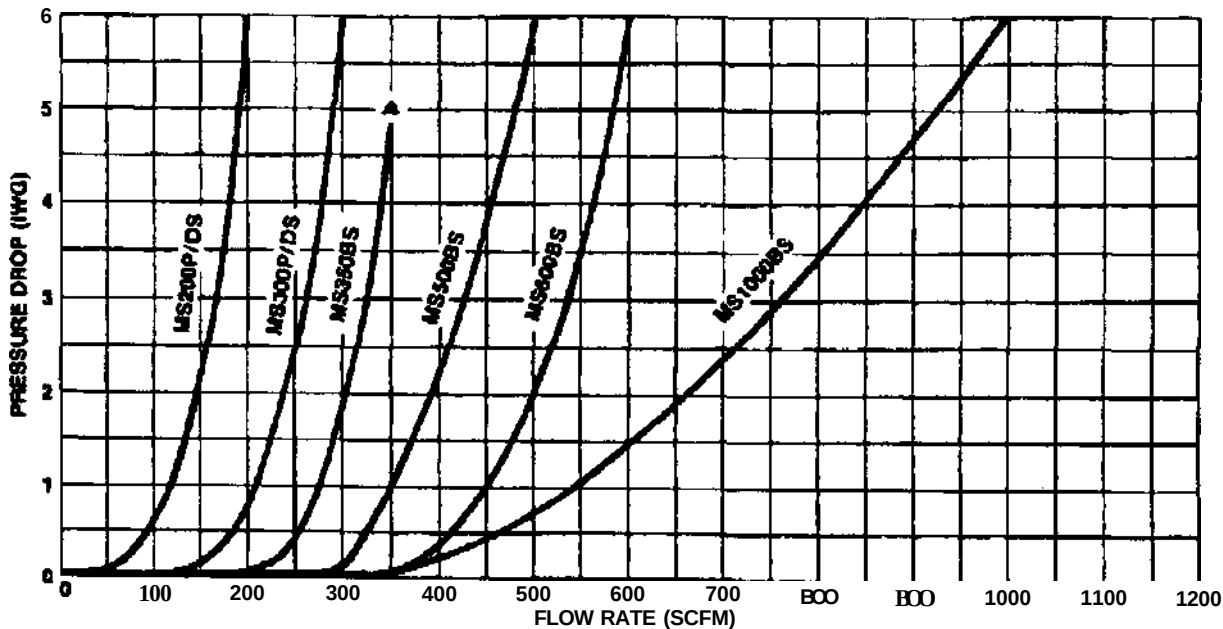
float ball and an adjustable relief valve to protect against overflow and overheating the blower.

2.4 CAPACITY AND DIMENSIONS

The moisture separator must have a liquid capacity of _____ gallons. The inlet shall be _____ inch OD slip-on type. The outlet shall be _____ inch OD slip-on type.

For DR/EN/CP Blower Modal	Selector Moisture Separator Modal		Inlet (OD)	Outlet	
404 454 505 513 523 555 623 823	MS200PS	7	2 3/8	4.5" OD	12
	MS200DS	10	2 0		
606 6 707	MS300PS	7	2.88		
	MS300DS	10	2.5		
80S 858 1223	MS3506S	40	3.25	6.63" ID	22
	MSS00BS				
909	MS600BS		4.0"		
14	MS1000BS	65	6-0"	9.25" OD	

2.5 PRESSURE DROP



ROTRON INLINE FILTER
5164 65"

Filtration

Accessories

AMETEK

Rotron TMD

Blower Connection Key

NPT – American National Standard Taper Pipe Thread (Male)

NPSC – American National Standard Straight Pipe Thread for Coupling (Female)

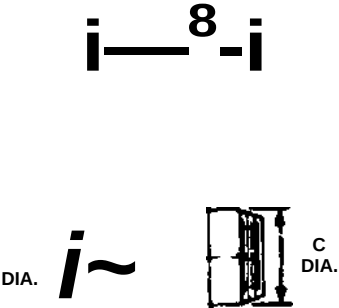
SO – Slip On (Smooth – No Threads)

Inlet Filter (Single Connection)

Inlet Filters protect the blower and the air distribution system from dust, and other airborne particles and contaminants. Normally used in pressure systems.

SPECIFICATIONS:

- HOUSING - Steel
- MEDIA - Polyester
- EFFICIENCY - 97-98% (8 to 10 micron particle size)
- FILTER ELEMENT - Replaceable (see filter elements)
- NOTE: "Z" MEDIA (1 to 3 micron particle size) available



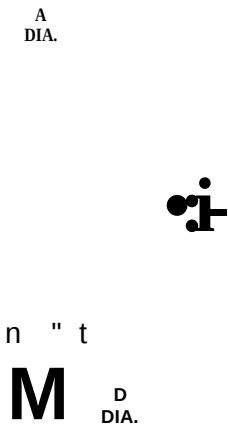
Standard Media Part Number	Z Medi* Fitter PartNumbr	Reference Blower Modal	Connection	Dlmenaiomj (Inches)			Filter Element
			bitot	A	B	C	
477411		A	2.00 SO	4.56	7.00	2.00	271078
516466	517865	B	1.00 NPT	6.00	6.50	1.00	515132
515122	517666	CD	1.50 NPT	6.00	6.50	1.50	515132
J ^ B 515123	517667	E	2.00 NPT	7.75	7.25	2.00	515133
^ . . W 515124	517666	E	2.00 NPT	10.00	12.25	2.00	515134
515125	517660	F	2.50 NPT	10.00	12.50	2.50	515134
515145	517B70	G	3.00 NPT	10.00	13.00	3.00	51S134
515151	517871	ri	4.00 NPT	10.00	14.00	4.00	515135
518511	517672	H	6.00 NPT	16.00	15.00	6.00	510515

Inline Filter (Dual Connection)

Inline Filters protect the blower from harmful dust and other particles that may be drawn into the blower through the air distribution system. Normally used in vacuum systems.

SPECIFICATIONS:

- HOUSING - Steel
- MEDIA - Polyester
- EFFICIENCY - 97-98% (8 to 10 micron particle size)
- FILTER ELEMENT - Replaceable (see filter elements)
- NOTE: 7 MEDIA (1 to 3 micron particle size) available



Stendert Media Pert Number	Z MMU Fitter Perl Number	Rfflvjronct) Blower Moot)	Connection		Dlmenalona (inches)				Filter Element
			Inlet	Outlet	A	B	C	D	
271200		A	176 SO	• 2.00 SO	5-2S	8.31	2.00	1.75	271078
516461	517866	B	1.00NPSC-F	1.00NP9C-F	7.25	6.50	1.00	1.00	616434
flk<Ub4 515126	517867	CO	1S0 NPSC*F	1.S0NPSC-F	7.00	6-50	1.50	130	516434
••VibO* 515256	517886	E	2.00 NPSC-P	2.00 NP6C-F	6.00	1026	2.00	2.00	516435
516463*	517868	F	2-60 NPSC-F	2.S0NPSC	8.00	10.25	250	2.50	516435
516463*	617690	Q	3.00 NPT-M	3 00 NTP-U	14.00	26 50	3.00	3.00	616136
516465*	517691	H	4.00 MPT-M	4 oo ropT-M	14.00	27.00	4.00	4.00	515135
617611"	517BS2	H	6.00 NPT-M	6.00 NPT-M	16.00	2600	6.00	6.00	516515

• Feature 1/4" threaded tap far gauge connection on inlet and outlet

C^ASX COMPRESSOR.
MOt>6L QD20-m*-T3.3>J-

SMRGIN - COMPRESSORS

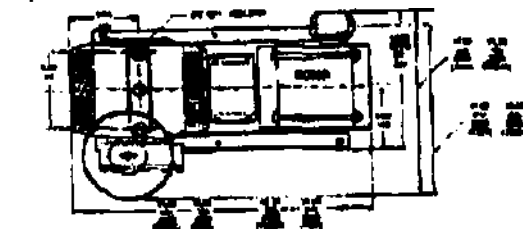
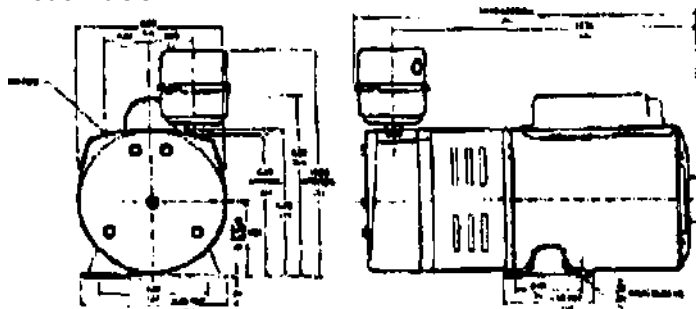
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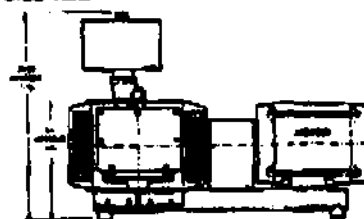
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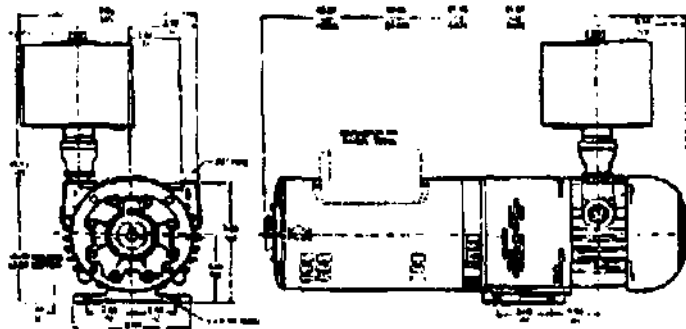
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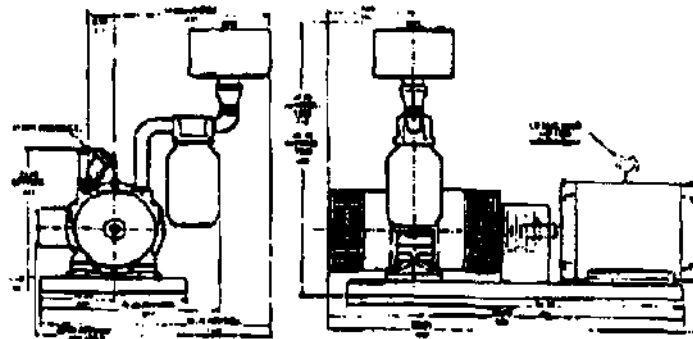
Side view



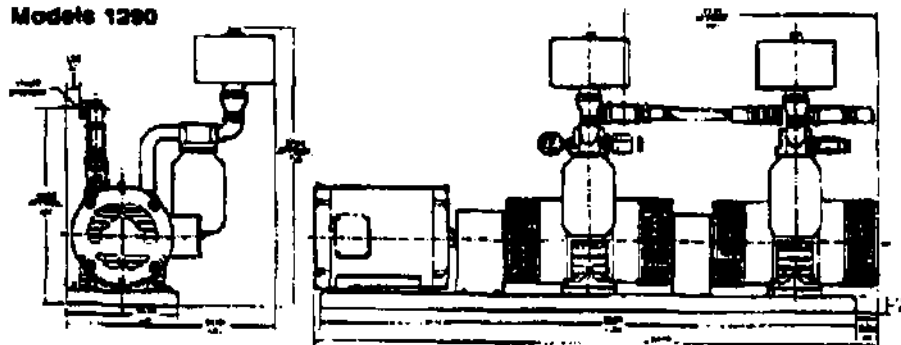
Models 2067, 2587



Models 5066



Models 1290

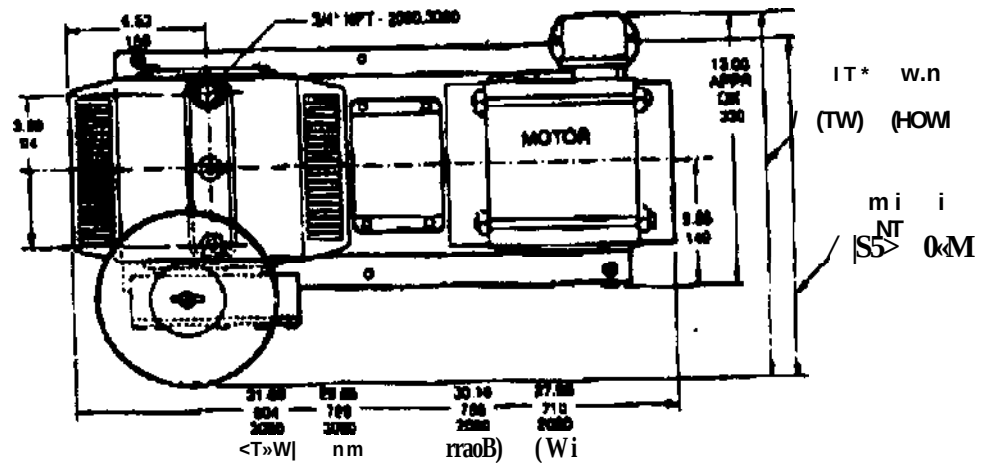


NOTICE: Overall length dimensions are reference only. Due to optional factory close fittings

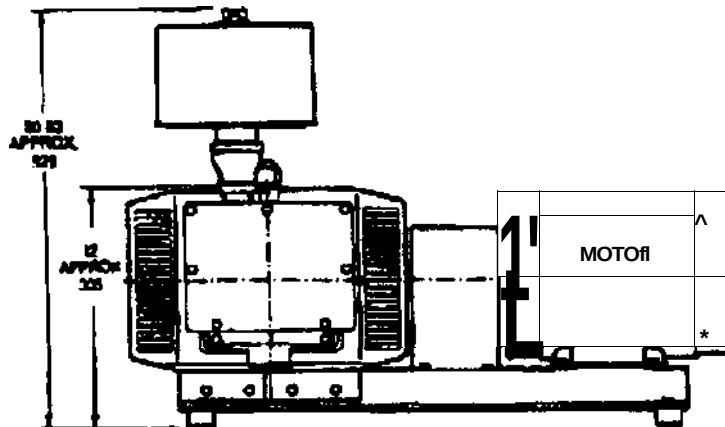
NO - COMPRESSORS

Models 2080,3080

Top view



Side view



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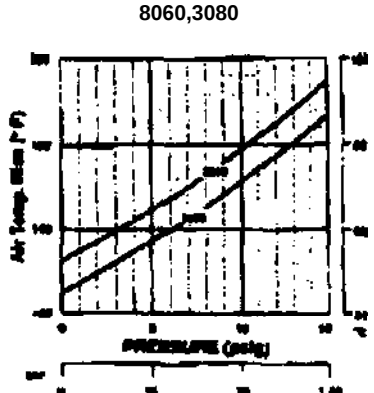
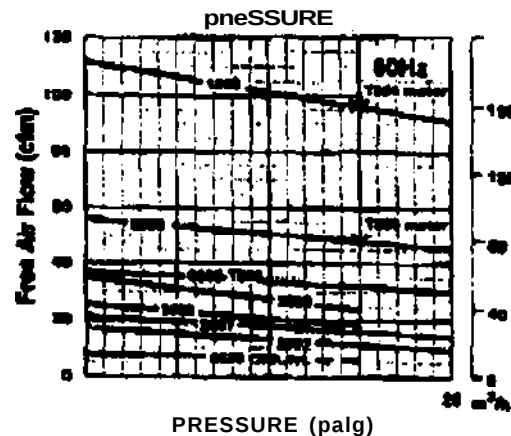
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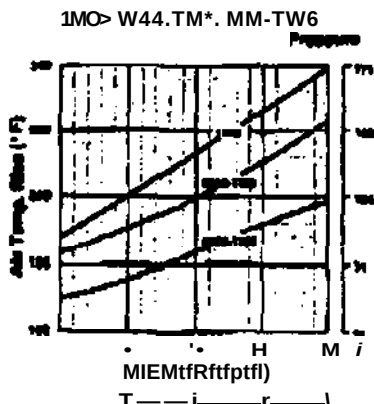
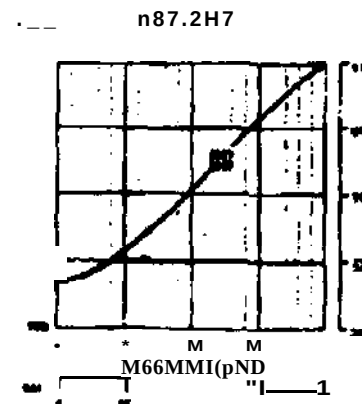
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FAX TRANSMITTAL
TO: Charles H. Hefner
CO: Encotech
DEPT. 724-222-4090
FAX # 724-222-4090
COMMENTS (412) 367-7837



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COMPRESSOR. INL-ETFILTeR

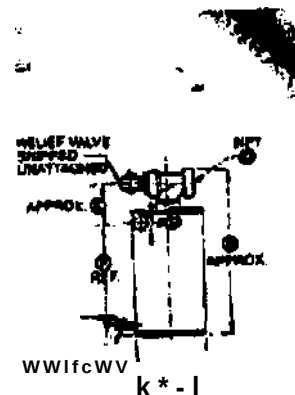


Liquid Separator

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Port No.	Uq.Cap.<Q*i.)	A<dIA.)	OlMB	C(NPT1	ojdn.)	Dim. C	Dim. F
mbifo	10	U J1	37.6"	r		7.5"	28.8"
vwtoo		19.7"		T"r		7.5"	28.8"
	19	19.7"				7.5"	28.8"
RK8400	40				3"	9.7"	28"

P f 1 NO-	FVOjUCTVpa	Dtcrtpm
BM9190	Uqud oapartlor	10 paaon *g^eftffv*?fleapacrvt
mnzoo	liquid—ptrtPr	19jaflon llqt^wrytng capacity
	Uqirteaptfttar	19 Baton tk^carryhg .capacity
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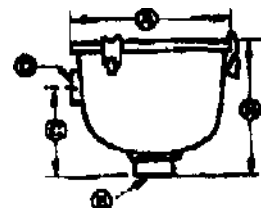
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H3,B4, R4P, H5 Bloww*
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In-Una) [for vacuum]

Part Mo.	D M . A	Oafl.i	Wm.C	Dlm.D	Dlm.E
AJiaic	7.38"	MI" -	4.6J"	1-1/4" FPT	1-1/4" FPT
AJIB1D	7M"	MI*	4 « "	1-fflf" FPT	1-1/2" FPT
Ajlftlt	8.79"		Voo^	2' F P f"	2" FPT
AJ151G	e.oo*	IMS'	*» J0^	a- i/r FPT	2-1/2" FPT
AJ181H	H.00*	easo-	19.13"	r' MFT	3" MPT
AJ151L	14.00*	W.ir"	19.90"	"Vfcfft	4" MPT

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AJ1SID kvanotttr	10 mtorop After (roplagai»Welement AJ133F)
AJ181E In ** mar	10mtefonViW(raplao^mar<atoffyt^M13SQ) ^
AJ1B1Q Irvine filter	IOjriicron torJrepleceftOM etamant AJi3dC)
AJ111H	

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R5, R4H Stowart
R6. R8RR4W Beware
fr7 Bower "

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Part NO.	(Mm. A	Dim. a	Dim. C
AJ188C	QXXT	7.12'	1-1/4" MPT
~>AJ12BD	7.70"	755"	1-1/8" MPT
AJ129F	loir	4.91"	2" FPT"
AJ199Q	10.00*	13.12"	2-1/2" MPT
AJ1 ML	10.00*	1482"	4" MPT

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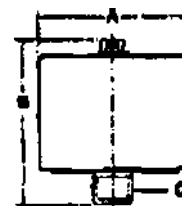
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IR7Btaw»

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CASHCROFT

Type 1490 Low Pressure Diaphragm Gauge

The Ashcroft* Type 1480 tow pressure diaphragm gauge is designed to measure pressure from 10 in. H₂O to 15 psi, both positive and negative pressures. This gauge uses a very sensitive diaphragm capsule to measure tow pressure and vacuum. The gauge is specifically designed for use whenever the pressure medium is a gas that is not corrosive to beryllium copper, brass, polysulfone and RTV silicone. Typical applications are, but not limited to. vacuum pumps, gas leak detectors, air com' pressors, air filters, gas burners, gas measurement, vacuum ovens, suction regulators and respirators.

Type 1495 Low Pressure Receiver Gauge

The Ashcroft Type 1495 receiver gauge uses a diaphragm capsule as its sensing element rather than a bourdon tube. The sensitivity of the diaphragm promotes smooth pointer motion that makes minor pressure changes easy to read.

The Type 1495 receiver gauge is the ideal product where the standard Grade A accuracy [2-1-2%) or the optional Grade 1A(1%) accuracy and smaller dial sizes are specified. The long pointer, smooth-operating sensing element, easily removable window and re-zero adjustment screw make specification and installation of This receiver gauge quick and easy.

1490 and 1495 Standard Specifications

Typo:	1490-tow pressure diaphragm gauge 1495-diaphragm receiver gauge 3to15psi	Accuracy:	ASME Grade A 2-1-2%
Dial Size:	2%"and3%"	Zero Adjust:	Recalibration screw on dial
Case Material:	Glass-filled por/sulfone	Proof Pressure:	150% of range
Window:	Polycarbonate Quarter-turn bayonet style mounting	Burst Pressure:	Up to 5 psi range - 50 psi, 5 psi to 5 psi range-100 psi
Pointer:	Black aluminum	Operating Temperature:	-20 to 180°F
Dial:	White aluminum with black markings	Storage Temperature:	-45 to 185°F
Movement:	Brass	Table A 1490/1495 Options	
Sensing Element:	Beryllium copper diaphragm	Code	Description
Wetted Materials:	Beryllium copper, brass, polysulfone and RTV silicone	XAK	Autoclavable at 275° F for 30 minutes. The unit can be autoclaved five times. Polysulfone window will be supplied.
Sockets:	Brass	XAN	1% optional accuracy
Connection:	1/8 and 1/4 NPT lower and back-Hose barb '1/8", 1/4" or '1/2" lower and back connect	XDA	Dial marking
		XNH	Stainless steel tag
		XNN	Paper tag
Ranges:	10 in. H ₂ O through 15 psi including vacuum and compound. See chart for 1490 and 1495 Ranges,	XTU	Throttle plug
		XUC" ¹	U-clamp

Warning: All gauge components should be selected considering the medium and ambient operating conditions to prevent misapplication. Improper application can be detrimental to the gauge, and can cause failure and possible personal injury or property damage.

How To Order

0 81 Size		Type		Wetted Material		Connection Size & type		Connection Location	
Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
t 25	tvr	149Q	loft Pressure Diaphragm Gauge	# ^A	Beryllium Copper	01	1/8 NPT		Lower
					Brass Socket		1/4 HPT	B	Center Back
35	3H"	1495	Diaphragm Receiver Gauge		Polysulfone	HD	V Hose Barb*	T	Top
					RTV Silicons	HE	KT Hose Barb"	0	3 O'Clock
						HF	fc~ Hue Barb™	E	QOXIaca

EXAMPLES: 26 1460A 021. 10 IW XNH

↩ U-clamp furnished when hose hart specified.

r>

1490 Low Pressure Diaphragm Gauge

Standard Ranges

Figure interval	Minor Graduation	Compound	Figure Interval	Minor Graduation
0/10 in. H ₂ O	0.1	0/30730 in. HaO	10	
0/15 in. H ₂ O	0.2	0/30/30 in. oz/in. ¹	10	1
0/30 in. HaO	0.5	-10/10 in. H ⁺ 0		0.2
0/60 in. HaO	10	Standard Metric Ranges		
0/100 in. H ₂ O	10	Preaaura	Figure Interval	Minor Graduation
0/160 in. H ₂ O	20	0/60 cm. H ₂ O	10	
0/200 in. H ₂ O	20	0/2.5 kPa	0.5	0.05
0/300 in. HaO	50	0/4.0 kPa		0.1
0/10 02/in.		0/10 kPa		0.1
0/15oz-/in.'		0/16 kPa		0.2
0/30 w-/in.'		0/25 kPa		0.5
0/80 oz/in.	10	0/40 kPa	10	
0/100 oz/in.	10	0/100 kPa	10	
0/160 oz/in.'	20	Vacuum		
0/250 02/in.'	50	2.5/0 kPa	0.5	0.05
0/3 psi	D.5	4.0/0 kPa		0.1
0/5 psi		10/0 kPa		0.1
0/10 psi		16/0 kPa		0.2
0/15 psi		25/0 kPa		0.5
Vacuum		40/0 kPa	10	
15/0 in. H ₂ O		100/0 kPa	10	
30/0 in. H ₂ O		Compound		
60/0 in. H ₂ O	10	-10/60 cm HaO	10	
100/0 in. H ₂ O	10	-10/50 cm HaO	10	
200/0 in. H ₂ O	20	-20/40 cm H ₂ O	10	
15A>02/in.*		-10/100 cm HaO	10	
30/0 oz/in.*	5"	0/10/120 cm HaO	20	
60/0 (w./in.*	10			
100/0 oz/in.*	10			

Dual Scale

Range*		Graduation*			
Inner Scale	Outer Seal*	Inner Scale	Outer Scale	Figure	Minor
0/9 02/in.'	0/15 in. HaO	1	0.2		0.2
0/20 oz/in.*	0/35 fav H ₂ O		0.5		0.5
0/35 02/in.	0/60 in. H ₂ O		0.5	10	
0/60 oz/in.*	0/100 in. HaO	10		10	

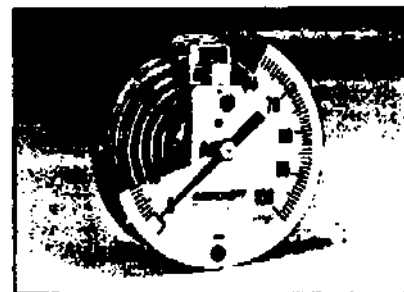
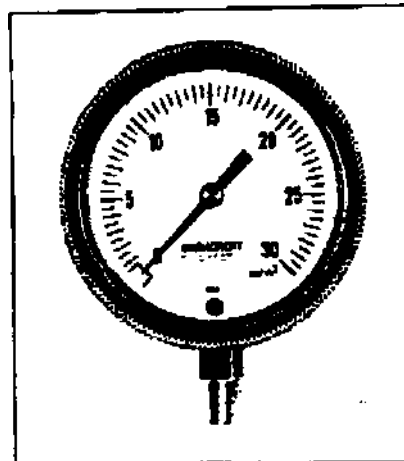
Other imnprn WWBME on noma. Ct»^a hemt

1495 Diaphragm Receiver Gauge

Standard Ranges

PreWire	Figure Intervals	Minor Graduation.
0-100%	10	
0-10 square root	1	0.1
0-10 sq rVO-100 Linear		

1. This dial 15 standard end will be supplied unitM omerwtae orfterad. Figure/minor intervals tame as single scata.



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Code	Description	Code	Description
10 IW	0 to 10 in. H ₂ O	10 IW	Stainless Steel Tag
	See chart above for entire list of ranges		See chart above for entire list of options

APPENDIX D

APPENDIX D

**BACKGROUND AMBIENT AIR
MONITORING DATA**

Background Ambient Air Monitoring

Per the Initial Testing Program Plan (ITPP), ambient air monitoring was conducted in the main Site building local to the SVE/AS System in accordance with Section 7.3.1 of the Health and Safety Contingency Plan (HAS/CP) (Attachment 1).

An IT Corporation (IT) representative was on-Site on 9-28-00 and 10-12-00 to collect SUMMA canister samples to be analyzed for volatile organic compounds (VOCs) via method TO-14. The VOCs reported by the laboratory are listed in Attachment 2. Only VOCs that were detected in the samples are reported in the summary tables.

A representative from Fagan Engineers, Incorporated (Fagan) was on-Site daily from 9-27-00 through 10-13-00 to calibrate the two MiniRAE 2000 units (PID) that were used to collect real-time air quality data. Specifications for the PID units are included (Attachment 3). The locations of the PID units are illustrated on the enclosed map (Attachment 4). Data was downloaded throughout the 2-week duration of air monitoring and on 10-18-00. Field notes collected by the Fagan representative are included as Attachment 5. These data will be used to generate baseline conditions for evaluation of air monitoring data during system testing and operation. Analytical results and downloaded PID data are presented in Attachments 6 through 10.

Due to calibration and programming adjustments made to the two automatic PID units (on 9-28-00 following their initial start-up on 9-27-00), the SUMMA canister air samples collected on 9-28-00 were collected just prior to re-initiation of PID data collection. Based on the similarity of the two SUMMA canister data sets (9-28-00 and 10-12-00) and the narrow range of PID concentration readings, this protocol variance does not impact the substance of the background air monitoring data. Real-time air monitoring data that correlate to SUMMA canister samples collected on 10-12-00 are highlighted on the tables in Attachments 7 and 9.

LIST OF ATTACHMENTS

1. Section 7.3.1 of the Health and Safety Contingency Plan (HAS/CP)
2. Volatile Organic Compounds Via Method TO-14
3. MiniRAE 2000 (PID) Specifications
4. SUMMA Canister Locations - Drawing
5. Fagan Field Notes
6. SUMMA Canister Analytical Results
7. Unit#10-PID Data
8. Unit #10 - Calibration Data
9. Unit#11 -PID Data
10. Unit #11 - Calibration Data

Attachment 1

Section 7.3.1 of the Health and Safety
Contingency Plan (HAS/CP)

7.14 VOC Monitoring within Main Plant Building - Former Runoff Basin Area
Approximately two weeks before initiating testing and start-up of the SVE/AS remedial system at the Former Runoff Basin Area, baseline (background) real-time ambient air quality monitoring will be conducted inside that portion of the Main Plant Building and any other occupied structures in close proximity to the Former Runoff Basin Area for organic vapors using PIDs. A minimum of two PIDs will be placed at separate locations inside the Main Plant Building. Each PID will be set up with a data logger and operated continuously to monitor ambient air quality in the worker's breathing zone. Continuous monitoring will be averaged in 15-minute integrations. Each PID will have a 10.2 eV ultraviolet (UV) lamp. The PID locations will be placed in proximity to any floor sumps, drains, or other floor openings. All continuous PID readings will be logged and recorded in accordance with the procedures described in Section IX, Data Logging, below. Prior to the start of the indoor ambient air quality monitoring, a walk-through will be performed in those buildings by the Project Engineer, Project Manager, the CBS representative, and the USEPA and/or the NYSDEC field representative[^], if present, to identify the air monitoring locations. The walk-through will be coordinated with the Cutler-Hammer plant management and security personnel.

Additionally, as part of the baseline ambient air quality monitoring, two-hour indoor air samples will be collected, one at each of the locations selected for PID monitoring, to monitor specifically for TCE in ambient air. An additional two-hour air sample will be collected outside, and preferably upwind, of that portion of the Former Runoff Basin. The air samples will be collected on two consecutive days before initiating testing and start-up of the SVE/AS remedial system. The air samples will be collected in SUMMA passivated stainless-steel canisters or other specially prepared canisters, as appropriate, and sent to a laboratory to be analyzed for TCE in accordance with USEPA Method TO-14A. The laboratory shall be certified by the State of New York to perform air analysis.

Following start-up of the SVE/AS remedial system, the real-time ambient air quality monitoring being performed inside the Main Plant Building will be continued for a minimum of two weeks. If VOC concentrations exceed background levels by 2.0 ppm or greater and are sustained for at least one hour in any day, the Project Manager, the CBS representative, and the USEPA and NYSDEC representatives will be promptly notified. If such concentrations are determined by CBS and/or the USEPA and the NYSDEC to be unrelated to plant operations, two-hour indoor air samples will be collected at the PED monitoring locations and analyzed in accordance with USEPA Method TO-14A for TCE. Additionally, if the VOC concentrations exceed background levels by 25 ppm or greater, the operation of the SVE/AS remedial system will be immediately suspended, Cutler-Hammer plant management personnel will be notified, and corrective actions will be implemented to reduce the vapor levels within the building.

If TCE is detected in any air sample at concentration* of 2.0 ppm or greater above background TCE levels, the USEPA and NYSDEC will be promptly notified and an assessment will be made to determine whether its presence is attributable to the operation of the SVE/AS remedial system and what corrective actions, if any, are required. The results of the assessment and any proposed corrective actions will be provided to the USEPA and NYSDEC for review and approval within one week of receiving the air sample analytical results. Corrective actions may include, but not be limited to, adjustments to the soil vapor extraction rates and the air sparge injection rates or other modifications of the SVE/AS remedial system, as appropriate, and/or ventilation of the Main Plant Building during operation of the SVE/AS system.

If TCE is detected in any air sample at concentrations exceeding the NIOSH recommended exposure limit for TCE of 25 ppm, the operation of the SVE/AS remedial system will be immediately suspended until the corrective actions discussed above are implemented to reduce the levels of TCE in the ambient air within the building.

Following completion of any modifications to the SVE/AS remedial system or other corrective actions, the monitoring for total VOCs and TCE in ambient air will be resumed in the Main Plant Building within five consecutive days. The two-hour air samples will be collected at all indoor monitoring locations. If the concentration of total VOCs or TCE is still greater than or equal to the action levels or do not decrease to below such levels over the three-day monitoring period, the operation of the SVE/AS remedial system will be suspended and the Project Manager, the CBS representative, and the USEPA and

NYSDEC representatives will be promptly notified of the shut down. An evaluation will be performed of the SVE/AS remedial system to determine what additional corrective actions, if any, are necessary to prevent TCE or any other VOC from entering the building as a result of the SVE/AS system operation. The results of the system evaluation and recommended corrective actions will be provided to the USEPA and the NYSDEC for approval within two weeks of shut down of the SVE/AS system operation. CBS will proceed to implement any corrective actions approved by the USEPA and the NYSDEC prior to resumption of the SVE/AS remedial system operation. Upon resumption of SVE/AS operation, the ambient air monitoring program for the Main Plant Building near the Former Runoff Basin area will be resumed for total VOCs and TCE.

If the concentration of total VOCs or TCE levels are below the action levels during the first two weeks of operation of the SVE/AS remedial system or if they decrease to such levels after corrective actions are implemented, indoor ambient air quality monitoring using FIDs will be continued on a biweekly basis for the next two months of operation, then on a monthly basis for the duration of the remedial action (i.e., until the USEPA certifies to CBS that the remedial action at the Former Runoff Basin area is complete and the SVE/AS remedial system operation is discontinued). Forthwith, PID monitoring, the PIDs will be set up with data loggers for continuous monitoring of total VOCs in ambient air over a 48-hour period and vapors will be measured in 15-minute integrations.

During biweekly and monthly air monitoring, if sustained VOC concentrations are greater than or equal to the action levels, the air sampling and analysis for TCE will be reinitiated as described above and the Project Manager, the CBS representative and the USEPA and the NYSDEC will be promptly notified. If TCE is detected in any sample at a concentration greater than or equal to the action level, an assessment will be made to determine if its presence is attributable to the operation of the SVE/AS remedial system and what additional response actions, if any, will be required. If TCE is not detected at such a level or is not attributable to the SVE/AS system, indoor ambient air quality monitoring using the PIDs will be resumed on a biweekly or monthly basis, as appropriate.

A copy of all PID readings will be provided to the USEPA and NYSDEC within 48 hours of completing each day of continuous logging and recording. A copy of all analytical results from the two-hour air samples will be provided to the USEPA and NYSDEC within 48 hours of receipt from the laboratory.

Attachment 2
Volatile Organic Compounds
Via Method TO-14

Volatile Organics List

1	Propene	40	Ethyl Acrylate
2	Dichlorodifluoromethane	41	1,2-Dichloropropane
3	Chlorotriifluoromethane	42	Methyl Methacrylate
4	Freon 114	43	Di bromomethane
5	Chloromethane	44	1,4-Dioxane
6	Vinyl Chloride	45	Bromodichloromethane
7	1,3-Butadiene	46	cis-1,3-Dichloropropene
8	Bromomethane	47	4-Methyl 2-Pentanone
9	Chloroethane	48	Toluene
10	Dichlorofluoromethane	49	Octane
11	Trichlorofluoromethane	50	trans-1,3-Dichloropropene
12	Pentane	51	Ethyl Methacrylate
13	Acrolein	52	1,1,2-Trichloroethane
14	1,1-Dichloroethene	53	Tetrachloroethane
15	Freon 113	54	2-Hexanone
16	Acetone	55	Dibromochloromethane
17	Methyl Iodide	56	1,2-Dibromoethane
18	Carbon Disulfide	57	Chlorobenzene
19	Acetonitrile	58	1,1,1,2-Tetrachloroethane
20	3-Chloropropene	59	Ethylbenzene
21	Methylene Chloride	60	m/p-Xylene
22	Acrylonitrile	61	o-Xylene
23	trans-1,2-Dichloroethene	62	Styrene
24	Methyl t-Butyl Ether	63	Bromoform
25	Hexane	64	Cumene
26	1,1-Dichloroethane	65	1,1,2,2-Tetrachloroethane
27	Vinyl Acetate	66	1,2,3-Trichloropropane
28	cis-1,2-Dichloroethene	67	Bromobenzene
29	2-Butanone	68	4-Ethyltoluene
30	Ethyl Acetate	69	1,3,5-Trimethylbenzene
31	Methyl Acrylate	70	Alpha Methyl Styrene
32	Chloroform	71	1,2,4-Tri methyl benzene
33	1,1,1-Trichloroethane	72	1,3-Dichlorobenzene
34	Carbon Tetrachloride	73	1,4-Dichloro benzene
35	1,2-Dichloroethane	74	Benzyl Chloride
36	Benzene	75	1,2-Dichlorobenzene
37	Isooctane	76	Hexachloroethane
38	Heptane	77	1,2,4-Trichlorobenzene
39	Trichloroethene	78	Hexachlorobutadiene

Attachment 3
MiniRAE 2000 (PID)
Specifications

FIELD ENVIRONMENTAL INSTRUMENTS

EQUIPMENT RENTAL & FIELD SUPPLIES

99 Miller Avenue

Braddock PA 15104

Phone:800-393-4009



MINIRAE 2000 PORTABLE VOC-PID MONITOR

- 0 Smallest handheld VOC monitor on the market
 - 0-10,000ppm range
 - linear PID sensor
 - Very Responsive
 - Resistant to moisture and dirt
- 0 Quick access lamp and sensor
- 0 Strong, built-in sample draw pump with pump stall feature
- 0 Field replaceable NMH rechargeable battery
- 0 High visibility rugged rubber boot
- 0 102 built-in correction factors from a RAE list of 250+ chemicals
- 0 User selectable hygiene and survey modes
- 0 ppm or mg/m* readout
- 0 ProRAE suite datalogging software for Windows™



APPLICATIONS

- 0 Confined space entry
- 0 Hazamat
- 0 Air Pollution
- 0 Leak detection
- 0 Soil, well and water head space analysis

SPECIFICATIONS

SIZE: 8.2" (21-Ban) L x 3" (7.62cm) W x 2" (5.8cm) H

WEIGHT: 19.5oz (553gm) with battery pack

DETECTOR: Photo-ionization sensor with standard 10.6 eV or optional 9.8 or 11.7 eV UV lamp

BATTERY: Rechargeable, external, field replaceable Nickel Metal Hydride battery pack

OPERATING TIME: 10 hours continuous

BATTERY CHARGING: up to 10 hrs charge through built-in smart charger

DISPLAY: Large LCD, manual, darkness and alarm activated

RANGE, RESOLUTION & RESPONSE (Isobutylene Calibration gas)

TIME(T90) 0-999ppm.....0.1ppm.....<3sec

TIME(T90) 100-10,000ppm......1ppm.....<3sec

ACCURACY: (Isobutylene) ±2ppm or 10% of reading <2000ppm
(Isobutylene) ±20% of reading >2000ppm

** MJB RATION: Two points Held calibration of zero and standard gas

ECT READOUT: Instantaneous, average, STEL, & peak value

TEMPERATURE: 0° to 40° (32° to 113T)

HUMIDITY: 0% to 95% relative humidity (non-condensing)

PRICES

BASIC UNIT:	\$3215.00	<
LAMPS (choose one)		
• 10.6e V lamp W, interchangeable	\$0.00-1/	:
• 11.7eV lamp W, interchangeable	\$100.00	:
• 9-BeV lamp W, interchangeable	\$50.00	:
CHARGER (choose one)		
• Battery charger 110 VAC or 12 VDC	\$30.00*/	:
• Battery charger 230 VAC or 12 VDC	\$30.00	:
• No charger	\$0.00	:
DATALOGGING (choose one)		
• Non-datalogging	\$0.00	:
• Datalogging-includes software & cable	\$250.00/	:
MONITOR & KITS (choose one)		
• Monitor Only	\$0.00	:
• Kit w / 100ppm Isobutylene & regulator	\$500.00/	:
• Kit w/ regulator, no gas	\$445.00	:
• Kit without gas or regulator	\$313.00	:

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RAE 2000

- Still the smallest handheld VOC monitor on the market
- New RAE Photo-Ionization Detector (PID) 3-D sensor
 - Easily accessible lamp and sensor
 - Reduced humidity interference
 - Improved linearity
 - Increased sensitivity
 - Extended range 0-10,000 ppm
- Strong, built-in sample draw pump with pump stall feature
 - Sample up to 100' (30m) horizontally or vertically
 - Prevents liquid flow into the monitor
 - Warns-if sample tubing is blocked or crimped
- External, field replaceable NMH rechargeable battery
 - 10 hours of continuous monitoring
 - Smart battery charging
 - Alkaline battery holder supplied
 - Automotive charger available
- Robust inlet probe
- Large keys operable with 3 layers of gloves
- Large easy to read back light display
 - Alarm activated
 - Darkness or manually activated
- Preset alarm thresholds for STEL, TWA. low and high level peak values. Audio beeper and flashing LED display will be activated when the limits are exceeded
- 15,000 point data logging storage capacity for data download to PC
- Rubber protective boot
- 102 built-in correction factors from a RAE list of 250+ chemicals

- User selectable hygiene and survey modes
- Protected from portable radios
- **ppm or mg/m readout**

Environmental Applications

- Air pollution — trace, toxic gases*
- Leaking underground storage tanks
- Monitoring drums, perimeter fence line
- Leak detection — fugitive emissions (EPA Method 21)
- Soil, well and water head space analysis
- Vapor recovery breakthrough

Industrial Hygiene, Health, Safety and Plant Applications

- Confined space entry — background, real time monitoring of low-level toxic gases
- Emergency response to hazardous spills
- Indoor air quality in new, sick and old buildings
- Personnel monitoring — determine levels for personal protective equipment (PPE)
- Survey instrument — prioritization of sample collection
- Work place monitoring — OSHA, STEL and TWA

Ordering Information

**0 % to 95 % relative humidity
(non -condensing)**

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Attachment 4
SUMMA Canister Locations
Drawing

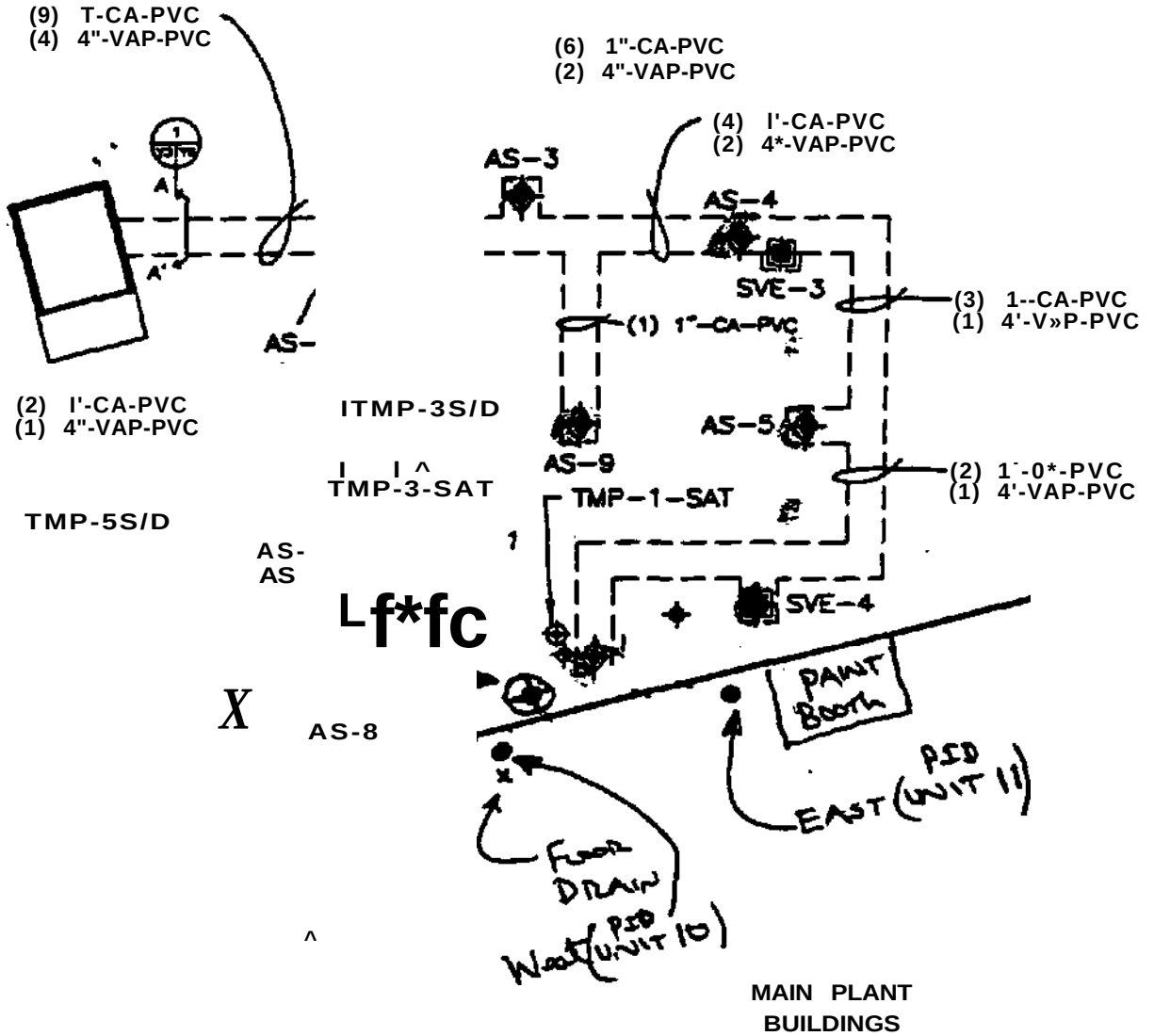
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RAGE

TMP-5-SAT



Attachment 5
Fagan Field Notes

VIACOM OU-3
Initial Testing Program Plan
SVE / Air Sparge System

Daily Log
Ambient Air Monitoring for SVE System

9/27/2000 - On location 10:30 electrical boxes set but power not run to boxes. Spoke with L Martin, IT discussed monitoring and calibrating air monitoring equipment at site. Met with Rich Kilmer, IT discussed shipping Suma canisters and decided to meet at 2 PM to set up monitoring units and collect ambient air samples.

9/27/2000 - On location 14:05 read operating instructions and spoke with Abby in customer services about operating the air monitoring units. Measured total depths of one injection and one extraction well. 15:15 calibrated unit to fresh air then to isobutylene calibration gas. Unit 00010 setup in box located on north wall of building toward the west end of the wall. Unit 00011 setup on north wall near east end of wall. Monitoring air intakes of each unit approximately 5.5 feet above floor. Setup Suma Canisters and started collecting ambient air samples at approximately 15:20. One canister each collected ambient air from a location inside the building approximately 3 feet south of the air monitors and one outside the building approximately twenty feet north of the building near the center of the air sparge wells. Left location 16:05. Rich Kilmer to wait till canisters completed sampling and then to fed-ex samples to Lancaster Lab Via Fed-ex overnight for TO-14 analyses. Calibration Gas - RAE Gas Composition Part # 600-0002-000, isobutylene, 100 ppm container TC 39M NRC 34/43, M1003.

9/28/2000 - On location 10:30 calibrated unit 00010 and tried to download data from monitoring unit. None of the data had been stored in the units. I was told both units were to be preprogrammed for this project. Went into program setup and changed program to automatically store data in 900 second intervals (15 minutes). Calibrated unit 00011 and reprogrammed to automatic data storage and 900 second intervals.

9/28/2000 - On location 15:45 downloaded collected data to verify the units were collecting data as programmed and calibrated units. Stan Criss to be out of town over weekend, trained Tom Johnson, Fagan Engineers (FE), in calibration protocols.

9/29/2000 - On location 7:45 calibrated units.

9/29/2000 - On location 17:50 calibrated units. Oversaw TJ calibrate units. Tom Johnson to calibrate units twice daily over weekend. Stan Criss to calibrate units 10/2/2000.

9/30/2000 - TJ on location at 7:25 calibrated units.

9/30/2000 - TJ on location at 16:00 calibrated units.

10/1/2000 - TJ on location at 7:05 calibrated units.

10/1/2000 - TJ on location at 16:20 calibrated units

10/2/2000 - Stan Criss on location 8:20 downloaded data and calibrated units. Converted file to Excel and Emailed daily log, data files (Excel) and MiniRAE to Larry Martin, IT. Took approx three calibration runs each gas to calibrate meters to 0.0 ppm (fresh-air) and 100 ppm isobutylene

10/2/2000 - On location 17:20 used a new cylinder of isobutylene calibration gas. Again, taking three to four calibration runs to zero the meters and get them set on 100 ppm for the span gas (isobutylene).
Field Environmental Instruments Inc. Braddock, PA Gas composition isobutylene 100 ppm, LOT # 10-1651, fill date 9/18/00, PSI on cylinder approx. 250 PSI.

10/3/2000 - On location 8:00 calibrated monitoring units. Took several times to zero the units to fresh air and 100 ppm for isobutylene.

Located monitors: West monitor located on inside of north wall of main plant buildings (see drwg. Sheet reference # Y2, Appendix A of Initial Testing Program Plan, August 8, 2000) 17 feet east of northwest corner of building. A two inch floor drain exists in floor approximately five feet south of the West monitor location, no other floor drains appear in the building. East monitor is located on inside of north wall approximately 42 feet east of the northwest corner of building.

NOTE: Three feet east of the East monitor is a booth that intersects the north wall. The booth appears to have been a paint booth. The booth is fully contained in the building area and has a door, vents and holes in its roof to the main area. I went inside the booth looking for other floor drains and noted the smell of organic fumes.

- would suggest we use the PID to measure the VOCs in the booth.

10/3/2000 - 16:20 on location, met CDM personnel and answered questions regarding ambient air monitoring. Calibrated units at about 17:00. • "•"

10/4/2000 - On location 7:15, spent time at Disposal Area F, changed out locks on PID boxes and calibrated Units approximately 9:00. Both units zeroed on the first calibration run. Humidity may have caused the previous calibration problems.

10/4/2000 - On location 16:20, calibrated monitoring units at approx. 17:00.

10/5/2000 - On location 11:00, calibrated units at 13:15

10/6/2000 - On location 11:45, calibrated units at 12:00, Unit 11 (East most monitoring point required several fresh air calibration runs before unit zeroed.

Units calibrated daily by Tom Keefer of Fagan Engineers, 10/7 through 10/13/00

10/7	-	15:00
10/8	-	11:45
10/9	-	13:00
10/10	-	12:00

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10/11 - 12:45
10/12 - 9:30 Data downloaded and e-mailed to Larry Martin, IT and Leo Braush, Viacom
10/13 - 17:00
10/18 - 10:40 Data downloaded and units calibrated by Stan Criss

Attachment 6
SUMMA Canister Analytical Results

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SUMMA CANISTER PRELIMINARY ANALYTICAL DATA

DATE	9/23/00				10/12/00		
SAMPLE DESIGNATION (AND LOCATION)	OUTSIDE BUILDING 0115	INSIDE BUILDING UNIT #11 0195 (EAST)	INSIDE BUILDING UNIT#10 0121 (DRAIN-WEST)	INSIDE BUILDING UNIT#10 0121 (DRAIN-WEST)	OUTSIDE BUILDING 0094	INSIDE BUILDING UNIT #11 0153 (EAST)	INSIDE BUILDING UNIT #10 0116 (DRAIN-WEST)
ANALYTE							
Propene	1U	1U	1U	1U	2	3	2
Chlorodifluoromethane	1U	1U	1U	1U	1U	4	5
Pentane	1U	1	2	1U	2	9	9
Acetone	2	4	4	2U	3	13	11
tert-Butyl Alcohol	3	1U	6	17	1U	1U	1U
Methyl t-Butyl Ether	1U	1U	1U	12	1U	1U	1U
Hexane	1U	1U	1U	1U	1U	1	1U
2-Butanone	1U	8	7	1U	1U	10	9
Benzene	1U	1U	1U	1U	1	2	1
Trichloroethene	1U	6	3	1U	1U	3	2
Toluene	1U	9	8	4	3	9	9
Octane	1U	1U	1U	5	1U	1U	1U
Ethylbenzene	1U	1U	1U	13	1U	1U	1U
m/p Xylene	1U	1U	1	29	3	4	3
o-Xylene	1U	1U	1U	20	1U	1U	1U
1,2,4-Trichlorobenzene	1U	1U	1U	1U	2	1U	1U
Hexachlorobutadiene	1U	1U	1U	1U	3	1U	1U

- Notes:**
1. All concentrations are reported in parts per billion (ppb) by volume.
 2. U - Compound was undetected at the specified limit of quantitation.
 3. The list of volatiles has been modified to include only those that were detected in the samples.

Attachment 7
Unit#10-PID Data

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
The first Summa canister sample corresponding to Unit #10 was collected on 9-28-00 from 0725 through 0925. The canister was collected prior to the initiation of real-time air monitoring.					
1	1	09/28/00	11:11	0.2	0.4
	2	09/28/00	11:26	0.2	0.4
	3	09/28/00	11:41	0.2	0.4
	4	09/28/00	11:56	0.2	0.4
	5	09/28/00	12:11	0.2	0.5
	6	09/28/00	12:26	0.2	0.5
	7	09/28/00	12:41	0.2	0.4
	8	09/28/00	12:56	0.2	0.4
	9	09/28/00	13:11	0.2	0.4
	10	09/28/00	13:26	0.2	0.4
	11	09/28/00	13:41	0.2	0.4
	12	09/28/00	13:56	0.2	0.4
	13	09/28/00	14:11	0.2	0.5
	14	09/28/00	14:26	0.2	0.4
	15	09/28/00	14:41	0.2	0.4
	16	09/28/00	14:56	0.2	0.3
	17	09/28/00	15:11	0.2	0.3
	18	09/28/00	15:26	0.1	0.3
	19	09/28/00	15:41	0.1	0.6
2	1	09/28/00	16:36	0.0	0.2
	2	09/28/00	16:51	0.0	0.2
	3	09/28/00	17:06	0.0	0.4
	4	09/28/00	17:21	0.0	0.2
	5	09/28/00	17:36	0.0	0.3
	6	09/28/00	17:51	0.0	0.3
	7	09/28/00	18:06	0.0	0.2
	8	09/28/00	18:21	0.0	0.2
	9	09/28/00	18:36	0.0	0.3
	10	09/28/00	18:51	0.0	0.5
	11	09/28/00	19:06	0.0	0.2
	12	09/28/00	19:21	0.0	0.3
	13	09/28/00	19:36	0.1	0.3
	14	09/28/00	19:51	0.1	0.3
	15	09/28/00	20:06	0.1	0.5
	16	09/28/00	20:21	0.1	0.6
	17	09/28/00	20:36	0.1	0.3
	18	09/28/00	20:51	0.1	0.3
	19	09/28/00	21:06	0.1	0.3
	20	09/28/00	21:21	0.1	0.3
	21	09/28/00	21:36	0.1	0.4
	22	09/28/00	21:51	0.1	0.5
	23	09/28/00	22:06	0.0	0.2
	24	09/28/00	22:21	0.0	0.3

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	25	09/28/00	22:36	0.0	0.2
	26	09/28/00	22:51	0.0	0.2
	27	09/28/00	23:06	0.0	0.2
	28	09/28/00	23:21	0.0	0.2
	29	09/28/00	23:36	0.0	0.2
	30	09/28/00	23:51	0.0	0.3
	31	09/29/00	0:06	0.0	0.4
	32	09/29/00	0:21	0.0	0.2
	33	09/29/00	0:36	0.0	0.3
	34	09/29/00	0:51	0.0	0.3
	35	09/29/00	1:06	0.0	0.3
	36	09/29/00	1:21	0.1	0.3
	37	09/29/00	1:36	0.1	0.3
	38	09/29/00	1:51	0.0	0.3
	39	09/29/00	2:06	0.1	0.3
	40	09/29/00	2:21	0.1	0.3
	41	09/29/00	2:36	0.0	0.3
	42	09/29/00	2:51	0.1	0.2
	43	09/29/00	3:06	0.1	0.2
	44	09/29/00	3:21	0.1	0.2
	45	09/29/00	3:36	0.1	0.2
	46	09/29/00	3:51	0.1	0.2
	47	09/29/00	4:06	0.1	0.2
	48	09/29/00	4:21	0.1	0.2
	49	09/29/00	4:36	0.1	0.3
	50	09/29/00	4:51	0.1	0.2
	51	09/29/00	5:06	0.1	0.2
	52	09/29/00	5:21	0.1	0.2
	53	09/29/00	5:36	0.1	0.3
	54	09/29/00	5:51	0.0	0.5
	55	09/29/00	6:06	0.0	0.2
	56	09/29/00	6:21	0.0	0.2
	57	09/29/00	6:36	0.0	0.2
	58	09/29/00	6:51	0.0	0.2
	59	09/29/00	7:06	0.0	0.4
	60	09/29/00	7:21	0.0	0.3
	61	09/29/00	7:36	0.0	0.3
	62	09/29/00	7:51	0.0	0.2
	63	09/29/00	8:06	0.0	0.2
	64	09/29/00	8:21	0.0	0.2
	65	09/29/00	8:36	0.0	0.1
3	1	09/29/00	9:11	0.0	0.2
	2	09/29/00	9:26	0.0	0.2
	3	09/29/00	9:41	0.0	0.2
	4	09/29/00	9:56	0.0	0.1
	5	09/29/00	10:11	0.0	0.1
	6	09/29/00	10:26	0.0	0.1

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	7	09/29/00	10:41	0.0	0.1
	8	09/29/00	10:56	0.0	0.2
	9	09/29/00	11:11	0.0	0.2
	10	09/29/00	11:26	0.0	0.3
	11	09/29/00	11:41	0.0	0.2
	12	09/29/00	11:56	0.0	0.2
	13	09/29/00	12:11	0.0	0.2
	14	09/29/00	12:26	0.0	0.2
	15	09/29/00	12:41	0.0	0.1
	16	09/29/00	12:56	0.0	0.1
	17	09/29/00	13:11	0.0	0.1
	18	09/29/00	13:26	0.0	0.2
	19	09/29/00	13:41	0.0	0.1
	20	09/29/00	13:56	0.0	0.1
	21	09/29/00	14:11	0.0	0.3
	22	09/29/00	14:26	0.0	0.2
	23	09/29/00	14:41	0.0	0.2
	24	09/29/00	14:56	0.0	0.3
	25	09/29/00	15:11	0.0	0.1
	26	09/29/00	15:26	0.0	0.1
	27	09/29/00	15:41	0.0	0.1
	28	09/29/00	15:56	0.0	0.3
	29	09/29/00	16:11	0.0	0.1
	30	09/29/00	16:26	0.0	0.1
	31	09/29/00	16:41	0.0	0.1
	32	09/29/00	16:56	0.0	0.1
	33	09/29/00	17:11	0.0	0.1
4	1	09/29/00	18:02	0.0	0.1
	2	09/29/00	18:17	0.0	0.1
	3	09/29/00	18:32	0.0	0.1
	4	09/29/00	18:47	0.0	0.1
	5	09/29/00	19:02	0.0	0.0
	6	09/29/00	19:17	0.0	0.0
	7	09/29/00	19:32	0.0	0.0
	8	09/29/00	19:47	0.0	0.0
	9	09/29/00	20:02	0.0	0.0
	10	09/29/00	20:17	0.0	0.0
	11	09/29/00	20:32	0.0	0.0
	12	09/29/00	20:47	0.0	0.0
	13	09/29/00	21:02	0.0	0.0
	14	09/29/00	21:17	0.0	0.0
	15	09/29/00	21:32	0.0	0.0
	16	09/29/00	21:47	0.0	0.2
	17	09/29/00	22:02	0.0	0.1
	18	09/29/00	22:17	0.0	0.0
	19	09/29/00	22:32	0.0	0.0
	20	09/29/00	22:47	0.0	0.0

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	21	09/29/00	23:02	0.0	0.0
	22	09/29/00	23:17	0.0	0.0
	23	09/29/00	23:32	0.0	0.2
	24	09/29/00	23:47	0.0	0.2
	25	09/30/00	0:02	0.0	0.0
	26	09/30/00	0:17	0.0	0.0
	27	09/30/00	0:32	0.0	0.0
	28	09/30/00	0:47	0.0	0.0
	29	09/30/00	1:02	0.0	0.0
	30	09/30/00	1:17	0.0	0.0
	31	09/30/00	1:32	0.0	0.0
	32	09/30/00	1:47	0.0	0.1
	33	09/30/00	2:02	0.0	0.2
	34	09/30/00	2:17	0.0	0.2
	35	09/30/00	2:32	0.0	0.3
	36	09/30/00	2:47	0.0	0.0
	37	09/30/00	3:02	0.0	0.0
	38	09/30/00	3:17	0.0	0.0
	39	09/30/00	3:32	0.0	0.0
	40	09/30/00	3:47	0.0	0.0
	41	09/30/00	4:02	0.0	0.0
	42	09/30/00	4:17	0.0	0.0
	43	09/30/00	4:32	0.0	0.0
	44	09/30/00	4:47	0.0	0.0
	45	09/30/00	5:02	0.0	0.0
	46	09/30/00	5:17	0.0	0.0
	47	09/30/00	5:32	0.0	0.0
	48	09/30/00	5:47	0.0	0.0
	49	09/30/00	6:02	0.0	0.0
	50	09/30/00	6:17	0.0 ,	0.0
	51	09/30/00	6:32	0.0	0.0
	52	09/30/00	6:47	0.0	0.0
	53	09/30/00	7:02	0.0	0.0
5	1	09/30/00	8:08	0.1	0.3
	2	09/30/00	8:23	0.1	0.3
	3	09/30/00	8:38	0.1	0.3
	4	09/30/00	8:53	0.1	0.4
	5	09/30/00	9:08	0.0	0.3
	6	09/30/00	9:23	0.0	0.3
	7	09/30/00	9:38	0.1	0.3
	8	09/30/00	9:53	0.1	0.4
	9	09/30/00	10:08	0.1	0.3
	10	09/30/00	10:23	0.1	0.3
	11	09/30/00	10:38	0.1	0.3
	12	09/30/00	10:53	0.0	0.3
	13	09/30/00	11:08	0.0	0.6
	14	09/30/00	11:23	0.0	0.3

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	15	09/30/00	11:38	0.0	0.2
	16	09/30/00	11:53	0.0	0.2
	17	09/30/00	12:08	0.0	0.3
	18	09/30/00	12:23	0.1	0.5
	19	09/30/00	12:38	0.1	0.4
	20	09/30/00	12:53	0.1	0.3
	21	09/30/00	13:08	0.1	0.3
	22	09/30/00	13:23	0.1	0.3
	23	09/30/00	13:38	0.1	0.3
	24	09/30/00	13:53	0.1	0.3
	25	09/30/00	14:08	0.1	0.3
	26	09/30/00	14:23	0.1	0.3
	27	09/30/00	14:38	0.1	0.5
	28	09/30/00	14:53	0.1	0.4
	29	09/30/00	15:08	0.2	0.4
	30	09/30/00	15:23	0.2	0.4
	31	09/30/00	15:38	0.2	0.4
	32	09/30/00	15:53	0.2	2.0
6	1	09/30/00	16:29	0.1	0.3
	2	09/30/00	16:44	0.1	0.4
	3	09/30/00	16:59	0.1	0.4
	4	09/30/00	17:14	0.1	0.3
	5	09/30/00	17:29	0.1	0.4
	6	09/30/00	17:44	- 0.1	0.4
	7	09/30/00	17:59	0.1	0.4
	8	09/30/00	18:14	0.1	0.3
	9	09/30/00	18:29	0.1	0.4
	10	09/30/00	18:44	0.1	0.4
	11	09/30/00	18:59	0.1	0.3
	12	09/30/00	19:14	0.1	0.4
	13	09/30/00	19:29	0.1	0.4
	14	09/30/00	19:44	0.1	0.4
	15	09/30/00	19:59	0.1	0.3
	16	09/30/00	20:14	0.1	0.3
	17	09/30/00	20:29	0.1	0.3
	18	09/30/00	20:44	0.1	0.3
	19	09/30/00	20:59	0.1	0.3
	20	09/30/00	21:14	0.1	0.3
	21	09/30/00	21:29	0.1	0.3
	22	09/30/00	21:44	0.1	0.4
	23	09/30/00	21:59	0.0	0.3
	24	09/30/00	22:14	0.0	0.3
	25	09/30/00	22:29	0.0	0.2
	26	09/30/00	22:44	0.0	0.2
	27	09/30/00	22:59	0.0	0.3
	28	09/30/00	23:14	0.0	0.2
	29	09/30/00	23:29	0.0	0.3

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	30	09/30/00	23:44	0.0	0.3
	31	09/30/00	23:59	0.1	0.3
	32	10/01/00	0:14	0.2	0.4
	33	10/01/00	0:29	0.2	0.4
	34	10/01/00	0:44	0.2	0.4
	35	10/01/00	0:59	0.1	0.4
	36	10/01/00	1:14	0.1	0.3
	37	10/01/00	1:29	0.1	0.3
	38	10/01/00	1:44	0.1	0.3
	39	10/01/00	1:59	0.1	0.3
	40	10/01/00	2:14	0.1	0.2
	41	10/01/00	2:29	0.0	0.3
	42	10/01/00	2:44	0.0	0.2
	43	10/01/00	2:59	0.0	0.2
	44	10/01/00	3:14	0.0	0.3
	45	10/01/00	3:29	0.1	0.4
	46	10/01/00	3:44	0.2	0.7
	47	10/01/00	3:59	0.3	0.7
	48	10/01/00	4:14	0.2	0.4
	49	10/01/00	4:29	0.2	0.4
	50	10/01/00	4:44	0.1	0.3
	51	10/01/00	4:59	0.1	0.2
	52	10/01/00	5:14	0.0	0.2
	53	10/01/00	5:29	0.0	0.3
	54	10/01/00	5:44	0.0	0.2
	55	10/01/00	5:59	0.0	0.2
	56	10/01/00	6:14	0.0	0.2
	57	10/01/00	6:29	0.0	0.2
	58	10/01/00	6:44	0.0	0.2
	59	10/01/00	6:59	0.0	0.2
7	1	10/01/00	7:41	0.0	0.2
	2	10/01/00	7:56	0.0	0.2
	3	10/01/00	8:11	0.0	0.3
	4	10/01/00	8:26	0.0	0.2
	5	10/01/00	8:41	0.0	0.2
	6	10/01/00	8:56	0.0	0.2
	7	10/01/00	9:11	0.0	0.2
	8	10/01/00	9:26	0.0	0.2
	9	10/01/00	9:41	0.0	0.2
	10	10/01/00	9:56	0.0	0.2
	11	10/01/00	10:11	0.0	0.2
	12	10/01/00	10:26	0.0	0.2
	13	10/01/00	10:41	0.0	0.5
	14	10/01/00	10:56	0.0	0.2
	15	10/01/00	11:11	0.0	0.2
	16	10/01/00	11:26	0.0	0.2
	17	10/01/00	11:41	0.0	0.4

Kentucky Avenue
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Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	18	10/01/00	11:56	0.0	0.4
	19	10/01/00	12:11	0.0	0.2
	20	10/01/00	12:26	0.0	0.3
	21	10/01/00	12:41	0.1	0.3
	22	10/01/00	12:56	0.1	0.3
	23	10/01/00	13:11	0.1	0.3
	24	10/01/00	13:26	0.1	0.3
	25	10/01/00	13:41	0.1	0.3
	26	10/01/00	13:56	0.1	0.4
	27	10/01/00	14:11	0.1	0.3
	28	10/01/00	14:26	0.2	0.4
	29	10/01/00	14:41	0.2	0.4
	30	10/01/00	14:56	0.2	0.5
	31	10/01/00	15:11	0.2	0.4
	32	10/01/00	15:26	0.2	0.5
	33	10/01/00	15:41	0.2	0.5
	34	10/01/00	15:56	0.2	0.4
	35	10/01/00	16:11	0.2	0.5
8	1	10/01/00	16:47	0.4	0.7
	2	10/01/00	17:02	0.4	0.7
	3	10/01/00	17:17	0.4	0.6
	4	10/01/00	17:32	0.4	0.6
	5	10/01/00	17:47	0.4	0.7
	6	10/01/00	18:02	0.4	0.6
	7	10/01/00	18:17	0.4	0.6
	8	10/01/00	18:32	0.3	0.7
	9	10/01/00	18:47	0.3	0.6
	10	10/01/00	19:02	0.3	0.6
	11	10/01/00	19:17	0.3	0.6
	12	10/01/00	19:32	0.3	0.6
	13	10/01/00	19:47	0.3	0.6
	14	10/01/00	20:02	0.3	0.6
	15	10/01/00	20:17	0.3	0.6
	16	10/01/00	20:32	0.3	0.5
	17	10/01/00	20:47	0.3	0.6
	18	10/01/00	21:02	0.3	0.6
	19	10/01/00	21:17	0.3	0.5
	20	10/01/00	21:32	0.3	0.5
	21	10/01/00	21:47	0.2	0.5
	22	10/01/00	22:02	0.2	0.5
	23	10/01/00	22:17	0.2	0.6
	24	10/01/00	22:32	0.2	0.6
	25	10/01/00	22:47	0.2	0.5
	26	10/01/00	23:02	0.2	0.5
	27	10/01/00	23:17	0.2	0.4
	28	10/01/00	23:32	0.2	0.5
	29	10/01/00	23:47	0.2	0.5

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	30	10/02/00	0:02	0.2	0.5
	31	10/02/00	0:17	0.2	0.4
	32	10/02/00	0:32	0.2	0.4
	33	10/02/00	0:47	0.2	0.4
	34	10/02/00	1:02	0.2	0.4
	35	10/02/00	1:17	0.2	0.4
	36	10/02/00	1:32	0.2	0.4
	37	10/02/00	1:47	0.2	0.4
	38	10/02/00	2:02	0.2	0.4
	39	10/02/00	2:17	0.2	0.4
	40	10/02/00	2:32	0.2	0.4
	41	10/02/00	2:47	0.2	0.4
	42	10/02/00	3:02	0.2	0.4
	43	10/02/00	3:17	0.2	0.4
	44	10/02/00	3:32	0.2	0.5
	45	10/02/00	3:47	0.2	0.4
	46	10/02/00	4:02	0.2	0.4
	47	10/02/00	4:17	0.2	0.4
	48	10/02/00	4:32	0.2	0.3
	49	10/02/00	4:47	0.1	0.3
	50	10/02/00	5:02	0.1	0.3
	51	10/02/00	5:17	0.1	0.3
	52	10/02/00	5:32	0.1	0.3
	53	10/02/00	5:47	0.1	0.3
	54	10/02/00	6:02	0.1	0.3
	55	10/02/00	6:17	0.1	0.3
	56	10/02/00	6:32	0.1	0.3
	57	10/02/00	6:47	0.1	0.3
	58	10/02/00	7:02	0.1	0.3
	59	10/02/00	7:17	0.2	0.4
	60	10/02/00	7:32	0.2	0.6
	61	10/02/00	7:47	0.2	0.6
	62	10/02/00	8:02	0.2	0.3
9	1	10/02/00	8:42	0.1	0.4
	2	10/02/00	8:57	0.2	0.4
	3	10/02/00	9:12	0.2	0.4
	4	10/02/00	9:27	0.2	0.4
	5	10/02/00	9:42	0.2	0.5
	6	10/02/00	9:57	0.2	0.5
	7	10/02/00	10:12	0.2	0.5
	8	10/02/00	10:27	0.2	0.5
	9	10/02/00	10:42	0.2	0.6
	10	10/02/00	10:57	0.2	0.5
	11	10/02/00	11:12	0.2	0.6
	12	10/02/00	11:27	0.2	0.6
	13	10/02/00	11:42	0.2	0.5
	14	10/02/00	11:57	0.2	0.5

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	15	10/02/00	12:12	0.2	0.5
	16	10/02/00	12:27	0.2	0.5
	17	10/02/00	12:42	0.2	0.5
	18	10/02/00	12:57	0.2	0.7
	19	10/02/00	13:12	0.2	0.6
	20	10/02/00	13:27	0.2	0.5
	21	10/02/00	13:42	0.2	0.5
	22	10/02/00	13:57	0.2	0.6
	23	10/02/00	14:12	0.2	0.6
	24	10/02/00	14:27	0.2	0.5
	25	10/02/00	14:42	0.2	0.5
	26	10/02/00	14:57	0.2	0.6
	27	10/02/00	15:12	0.2	0.5
	28	10/02/00	15:27	0.3	0.6
	29	10/02/00	15:42	0.3	0.6
	30	10/02/00	15:57	0.3	0.6
	31	10/02/00	16:12	0.3	0.6
	32	10/02/00	16:27	0.3	0.6
	33	10/02/00	16:42	0.3	0.6
	34	10/02/00	16:57	0.3	0.6
	35	10/02/00	17:12	0.3	0.6
10	1	10/02/00	18:10	0.2	0.4
	2	10/02/00	18:25	0.2	0.5
	3	10/02/00	18:40	0.3	0.5
	4	10/02/00	18:55	0.3	0.6
	5	10/02/00	19:10	0.3	0.6
	6	10/02/00	19:25	0.4	0.6
	7	10/02/00	19:40	0.4	0.7
	8	10/02/00	19:55	0.4	0.7
	9	10/02/00	20:10	0.4	0.7
	10	10/02/00	20:25	0.4	0.7
	11	10/02/00	20:40	0.4	0.7
	12	10/02/00	20:55	0.4	0.7
	13	10/02/00	21:10	0.4	0.7
	14	10/02/00	21:25	0.4	0.6
	15	10/02/00	21:40	0.4	0.6
	16	10/02/00	21:55	0.4	0.6
	17	10/02/00	22:10	0.4	0.7
	18	10/02/00	22:25	0.4	0.7
	19	10/02/00	22:40	0.4	0.7
	20	10/02/00	22:55	0.4	0.7
	21	10/02/00	23:10	0.4	0.7
	22	10/02/00	23:25	0.4	0.7
	23	10/02/00	23:40	0.5	0.7
	24	10/02/00	23:55	0.5	0.7
	25	10/03/00	0:10	0.4	0.6
	26	10/03/00	0:25	0.4	0.6

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	27	10/03/00	0:40	0.3	0.6
	28	10/03/00	0:55	0.3	0.6
	29	10/03/00	1:10	0.3	0.5
	30	10/03/00	1:25	0.2	0.5
	31	10/03/00	1:40	0.2	0.5
	32	10/03/00	1:55	0.2	0.4
	33	10/03/00	2:10	0.2	0.5
	34	10/03/00	2:25	0.2	0.5
	35	10/03/00	2:40	0.2	0.5
	36	10/03/00	2:55	0.2	0.6
	37	10/03/00	3:10	0.2	0.5
	38	10/03/00	3:25	0.2	0.6
	39	10/03/00	3:40	0.2	0.6
	40	10/03/00	3:55	0.2	0.5
	41	10/03/00	4:10	0.2	0.6
	42	10/03/00	4:25	0.2	0.5
	43	10/03/00	4:40	0.2	0.4
	44	10/03/00	4:55	0.2	0.5
	45	10/03/00	5:10	0.2	0.5
	46	10/03/00	5:25	0.2	0.6
	47	10/03/00	5:40	0.3	0.5
	48	10/03/00	5:55	0.2	0.5
	49	10/03/00	6:10	0.2	0.5
	50	10/03/00	6:25	0.2	0.5
	51	10/03/00	6:40	0.2	0.5
	52	10/03/00	6:55	0.2	0.5
	53	10/03/00	7:10	0.2	0.4
	54	10/03/00	7:25	0.2	0.4
	55	10/03/00	7:40	0.2	0.4
11	1	10/03/00	8:30	0.1	0.4
	2	10/03/00	8:45	0.2	0.5
	3	10/03/00	9:00	0.1	0.4
	4	10/03/00	9:15	0.1	0.4
	5	10/03/00	9:30	0.1	0.4
	6	10/03/00	9:45	0.0	0.4
	7	10/03/00	10:00	0.0	0.3
	8	10/03/00	10:15	0.0	0.3
	9	10/03/00	10:30	0.0	0.4
	10	10/03/00	10:45	0.0	0.3
	11	10/03/00	11:00	0.0	0.3
	12	10/03/00	11:15	0.0	0.2
	13	10/03/00	11:30	0.0	0.2
	14	10/03/00	11:45	0.0	0.2
	15	10/03/00	12:00	0.0	0.2
	16	10/03/00	12:15	0.0	0.2
	17	10/03/00	12:30	0.0	0.2
	18	10/03/00	12:45	0.0	0.2

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	19	10/03/00	13:00	0.0	0.2
	20	10/03/00	13:15	0.0	0.3
	21	10/03/00	13:30	0.0	0.2
	22	10/03/00	13:45	0.0	0.3
	23	10/03/00	14:00	0.0	0.2
	24	10/03/00	14:15	0.0	0.2
	25	10/03/00	14:30	0.0	0.3
	26	10/03/00	14:45	0.0	0.2
	27	10/03/00	15:00	0.0	0.2
	28	10/03/00	15:15	0.0	0.2
	29	10/03/00	15:30	0.0	0.2
	30	10/03/00	15:45	0.0	0.2
	31	10/03/00	16:00	0.0	0.1
	32	10/03/00	16:15	0.0	0.2
	33	10/03/00	16:30	0.0	0.2
	34	10/03/00	16:45	0.0	0.2
12	1	10/03/00	17:37	0.2	0.5
	2	10/03/00	17:52	0.2	0.5
	3	10/03/00	18:07	0.2	0.6
	4	10/03/00	18:22	0.2	0.5
	5	10/03/00	18:37	0.2	0.5
	6	10/03/00	18:52	0.2	0.5
	7	10/03/00	19:07	0.3	0.6
	8	10/03/00	19:22	0.3	0.6
	9	10/03/00	19:37	0.3	0.5
	10	10/03/00	19:52	0.3	0.6
	11	10/03/00	20:07	0.3	0.6
	12	10/03/00	20:22	0.2	0.5
	13	10/03/00	20:37	0.2	0.5
	14	10/03/00	20:52	0.2	0.5
	15	10/03/00	21:07	0.2	0.6
	16	10/03/00	21:22	0.2	0.4
	17	10/03/00	21:37	0.2	0.4
	18	10/03/00	21:52	0.1	0.4
	19	10/03/00	22:07	0.1	0.4
	20	10/03/00	22:22	0.1	0.3
	21	10/03/00	22:37	0.1	0.3
	22	10/03/00	22:52	0.1	0.3
	23	10/03/00	23:07	0.1	0.3
	24	10/03/00	23:22	0.1	0.3
	25	10/03/00	23:37	0.1	0.3
	26	10/03/00	23:52	0.0	0.2
	27	10/04/00	0:07	0.0	0.3
	28	10/04/00	0:22	0.0	0.2
	29	10/04/00	0:37	0.0	0.2
	30	10/04/00	0:52	0.0	0.3
	31	10/04/00	1:07	0.1	0.4

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	32	10/04/00	1:22	0.1	0.2
	33	10/04/00	1:37	0.1	0.2
	34	10/04/00	1:52	0.0	0.2
	35	10/04/00	2:07	0.0	0.2
	36	10/04/00	2:22	0.0	0.2
	37	10/04/00	2:37	0.0	0.2
	38	10/04/00	2:52	0.0	0.2
	39	10/04/00	3:07	0.0	0.2
	40	10/04/00	3:22	0.0	0.2
	41	10/04/00	3:37	0.0	0.2
	42	10/04/00	3:52	0.0	0.2
	43	10/04/00	4:07	0.0	0.2
	44	10/04/00	4:22	0.0	0.2
	45	10/04/00	4:37	0.0	0.4
	46	10/04/00	4:52	0.0	0.4
	47	10/04/00	5:07	0.0	0.4
	48	10/04/00	5:22	0.0	0.3
	49	10/04/00	5:37	0.0	0.2
	50	10/04/00	5:52	0.0	0.2
	51	10/04/00	6:07	0.0	0.2
	52	10/04/00	6:22	0.0	0.2
	53	10/04/00	6:37	0.0	0.2
	54	10/04/00	6:52	0.0	0.2
	55	10/04/00	7:07	0.0	0.2
	56	10/04/00	7:22	0.0	0.3
	57	10/04/00	7:37	0.1	0.4
	58	10/04/00	7:52	0.1	0.4
	59	10/04/00	8:07	0.1	0.5
	60	10/04/00	8:22	0.1	0.4
13	1	10/04/00	9:04	0.0	0.1
	2	10/04/00	9:19	0.0	0.2
	3	10/04/00	9:34	0.0	0.2
	4	10/04/00	9:49	0.0	0.4
	5	10/04/00	10:04	0.1	0.4
	6	10/04/00	10:19	0.1	0.4
	7	10/04/00	10:34	0.1	0.3
	8	10/04/00	10:49	0.1	0.3
	9	10/04/00	11:04	0.1	0.4
	10	10/04/00	11:19	0.1	0.4
	11	10/04/00	11:34	0.1	0.4
	12	10/04/00	11:49	0.1	0.3
	13	10/04/00	12:04	0.1	0.3
	14	10/04/00	12:19	0.1	0.3
	15	10/04/00	12:34	0.0	0.2
	16	10/04/00	12:49	0.0	0.4
	17	10/04/00	13:04	0.0	0.3
	18	10/04/00	13:19	0.0	0.2

Kentucky Avenue
Weltfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	19	10/04/00	13:34	0.0	0.3
	20	10/04/00	13:49	0.0	0.3
	21	10/04/00	14:04	0.0	0.3
	22	10/04/00	14:19	0.0	0.3
	23	10/04/00	14:34	0.0	0.3
	24	10/04/00	14:49	0.0	0.3
	25	10/04/00	15:04	0.1	0.4
	26	10/04/00	15:19	0.1	0.4
	27	10/04/00	15:34	0.1	0.3
	28	10/04/00	15:49	0.0	0.3
	29	10/04/00	16:04	0.0	0.3
14	1	10/04/00	16:55	0.2	0.5
	2	10/04/00	17:10	0.2	0.5
	3	10/04/00	17:25	0.2	0.5
	4	10/04/00	17:40	0.2	0.5
	5	10/04/00	17:55	0.2	0.4
	6	10/04/00	18:10	0.2	0.4
	7	10/04/00	18:25	0.1	0.5
	8	10/04/00	18:40	0.1	0.4
	9	10/04/00	18:55	0.1	0.5
	10	10/04/00	19:10	0.1	0.5
	11	10/04/00	19:25	0.1	0.4
	12	10/04/00	19:40	0.1	0.4
	13	10/04/00	19:55	0.0	0.3
	14	10/04/00	20:10	0.0	0.3
	15	10/04/00	20:25	0.0	0.2
	16	10/04/00	20:40	0.0	0.2
	17	10/04/00	20:55	0.0	0.3
	18	10/04/00	21:10	0.0	0.2
	19	10/04/00	21:25	0.0	0.2
	20	10/04/00	21:40	0.0	0.2
	21	10/04/00	21:55	0.0	0.1
	22	10/04/00	22:10	0.0	0.1
	23	10/04/00	22:25	0.0	0.1
	24	10/04/00	22:40	0.0	0.1
	25	10/04/00	22:55	0.0	0.1
	26	10/04/00	23:10	0.0	0.1
	27	10/04/00	23:25	0.0	0.1
	28	10/04/00	23:40	0.0	0.1
	29	10/04/00	23:55	0.0	0.1
	30	10/05/00	0:10	0.0	0.1
	31	10/05/00	0:25	0.0	0.1
	32	10/05/00	0:40	0.0	0.1
	33	10/05/00	0:55	0.0	0.1
	34	10/05/00	1:10	0.0	0.1
	35	10/05/00	1:25	0.0	0.1
	36	10/05/00	1:40	0.0	0.1

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	37	10/05/00	1:55	0.0	0.1
	38	10/05/00	2:10	0.0	0.2
	39	10/05/00	2:25	0.0	0.2
	40	10/05/00	2:40	0.0	0.1
	41	10/05/00	2:55	0.0	0.1
	42	10/05/00	3:10	0.0	0.1
	43	10/05/00	3:25	0.0	0.1
	44	10/05/00	3:40	0.0	0.1
	45	10/05/00	3:55	0.0	0.1
	46	10/05/00	4:10	0.0	0.1
	47	10/05/00	4:25	0.0	0.2
	48	10/05/00	4:40	0.0	0.2
	49	10/05/00	4:55	0.0	0.1
	50	10/05/00	5:10	0.0	0.1
	51	10/05/00	5:25	0.0	0.2
	52	10/05/00	5:40	0.0	0.3
	53	10/05/00	5:55	0.0	0.2
	54	10/05/00	6:10	0.0	0.1
	55	10/05/00	6:25	0.0	0.1
	56	10/05/00	6:40	0.0	0.1
	57	10/05/00	6:55	0.0	0.1
	58	10/05/00	7:10	0.0	0.1
	59	10/05/00	7:25	0.0	0.1
	60	10/05/00	7:40	0.0	0.1
	61	10/05/00	7:55	0.0	0.2
	62	10/05/00	8:10	0.0	0.0
	63	10/05/00	8:25	0.0	0.0
	64	10/05/00	8:40	0.0	0.1
	65	10/05/00	8:55	0.0	0.1
	66	10/05/00	9:10	0.0	0.1
	67	10/05/00	9:25	0.0	0.1
	68	10/05/00	9:40	0.0	0.1
	69	10/05/00	9:55	0.0	0.1
	70	10/05/00	10:10	0.0	0.1
	71	10/05/00	10:25	0.0	0.3
	72	10/05/00	10:40	0.0	0.3
	73	10/05/00	10:55	0.0	0.1
	74	10/05/00	11:10	0.0	0.1
	75	10/05/00	11:25	0.0	0.1
	76	10/05/00	11:40	0.0	0.1
	77	10/05/00	11:55	0.0	0.1
	78	10/05/00	12:10	0.0	0.1
	79	10/05/00	12:25	0.0	0.1
	80	10/05/00	12:40	0.0	0.1
	81	10/05/00	12:55	0.0	0.1
	82	10/05/00	13:10	0.0	0.1
	83	10/05/00	13:25	0.0	0.1

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
15	1	10/05/00	14:06	0.0	0.2
	2	10/05/00	14:21	0.0	0.2
	3	10/05/00	14:36	0.0	0.2
	4	10/05/00	14:51	0.0	0.2
	5	10/05/00	15:06	0.0	0.3
	6	10/05/00	15:21	0.0	0.2
	7	10/05/00	15:36	0.0	0.2
	8	10/05/00	15:51	0.0	0.3
	9	10/05/00	16:06	0.0	0.2
	10	10/05/00	16:21	0.0	0.2
	11	10/05/00	16:36	0.0	0.3
	12	10/05/00	16:51	0.0	0.3
	13	10/05/00	17:06	0.0	0.3
	14	10/05/00	17:21	0.0	0.2
	15	10/05/00	17:36	0.0	0.2
	16	10/05/00	17:51	0.0	0.2
	17	10/05/00	18:06	0.0	0.3
	18	10/05/00	18:21	0.0	0.3
	19	10/05/00	18:36	0.0	0.3
	20	10/05/00	18:51	0.0	0.2
	21	10/05/00	19:06	0.0	0.3
	22	10/05/00	19:21	0.0	0.2
	23	10/05/00	19:36	0.0	0.2
	24	10/05/00	19:51	0.0	0.3
	25	10/05/00	20:06	0.0	0.3
	26	10/05/00	20:21	0.0	0.2
	27	10/05/00	20:36	0.0	0.3
	28	10/05/00	20:51	0.0	0.2
	29	10/05/00	21:06	0.0	0.3
	30	10/05/00	21:21	0.0	0.2
	31	10/05/00	21:36	0.0	0.2
	32	10/05/00	21:51	0.0	0.3
	33	10/05/00	22:06	0.0	0.2
	34	10/05/00	22:21	0.0	0.2
	35	10/05/00	22:36	0.0	0.2
	36	10/05/00	22:51	0.0	0.1
	37	10/05/00	23:06	0.0	0.1
	38	10/05/00	23:21	0.0	0.2
	39	10/05/00	23:36	0.0	0.1
	40	10/05/00	23:51	0.0	0.1
	41	10/06/00	0:06	0.0	0.1
	42	10/06/00	0:21	0.0	0.1
	43	10/06/00	0:36 -	0.0	0.2
	44	10/06/00	0:51	0.0	0.1
	45	10/06/00	1:06	0.0	0.2
	46	10/06/00	1:21	0.0	0.1
	47	10/06/00	1:36	0.0	0.2

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	48	10/06/00	1:51	0.0	0.1
	49	10/06/00	2:06	0.0	0.2
	50	10/06/00	2:21	0.0	0.1
	51	10/06/00	2:36	0.0	0.2
	52	10/06/00	2:51	0.0	0.1
	53	10/06/00	3:06	0.0	0.1
	54	10/06/00	3:21	0.0	0.2
	55	10/06/00	3:36	0.0	0.2
	56	10/06/00	3:51	0.0	0.1
	57	10/06/00	4:06	0.0	0.1
	58	10/06/00	4:21	0.0	0.1
	59	10/06/00	4:36	0.0	0.1
	60	10/06/00	4:51	0.0	0.1
	61	10/06/00	5:06	0.0	0.2
	62	10/06/00	5:21	0.0	0.1
	63	10/06/00	5:36	0.0	0.1
	64	10/06/00	5:51	0.0	0.1
	65	10/06/00	6:06	0.0	0.1
	66	10/06/00	6:21	0.0	0.1
	67	10/06/00	6:36	0.0	0.1
	68	10/06/00	6:51	0.0	0.2
	69	10/06/00	7:06	0.0	0.1
	70	10/06/00	7:21	0.0	0.1
	71	10/06/00	7:36	0.0	0.1
	72	10/06/00	7:51	0.0	0.1
	73	10/06/00	8:06	0.0	0.1
	74	10/06/00	8:21	0.0	0.2
	75	10/06/00	8:36	0.0	0.1
	76	10/06/00	8:51	0.0	0.2
	77	10/06/00	9:06	0.0	0.2
	78	10/06/00	9:21	0.0	0.2
	79	10/06/00	9:36	0.0	0.1
	80	10/06/00	9:51	0.0	0.2
	81	10/06/00	10:06	0.0	0.2
	82	10/06/00	10:21	0.0	0.1
	83	10/06/00	10:36	0.0	0.1
	84	10/06/00	10:51	0.0	0.2
	85	10/06/00	11:06	0.0	0.2
	86	10/06/00	11:21	0.0	0.2
	87	10/06/00	11:36	0.0	0.2
	88	10/06/00	11:51	0.0	0.1
16	1	10/06/00	12:34	0.0	0.0
	2	10/06/00	12:49	0.0	0.0
	3	10/06/00	13:04	0.0	0.0
	4	10/06/00	13:19	0.0	0.1
	5	10/06/00	13:34	0.0	0.1
	6	10/06/00	13:49	0.0	0.0

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	7	10/06/00	14:04	0.0	0.0
	8	10/06/00	14:19	0.0	0.0
	9	10/06/00	14:34	0.0	0.1
	10	10/06/00	14:49	0.0	0.1
	11	10/06/00	15:04	0.0	0.0
	12	10/06/00	15:19	0.0	0.0
	13	10/06/00	15:34	0.0	0.1
	14	10/06/00	15:49	0.0	0.0
	15	10/06/00	16:04	0.0	0.1
	16	10/06/00	16:19	0.0	0.1
	17	10/06/00	16:34	0.0	0.2
	18	10/06/00	16:49	0.0	0.2
	19	10/06/00	17:04	0.0	0.2
	20	10/06/00	17:19	0.0	0.4
	21	10/06/00	17:34	0.0	0.2
	22	10/06/00	17:49	0.0	0.2
	23	10/06/00	18:04	0.0	0.2
	24	10/06/00	18:19	0.0	0.1
	25	10/06/00	18:34	0.0	0.2
	26	10/06/00	18:49	0.0	0.1
	27	10/06/00	19:04	0.0	0.1
	28	10/06/00	19:19	0.0	0.2
	29	10/06/00	19:34	0.0	0.2
	30	10/06/00	19:49	0.0	0.1
	31	10/06/00	20:04	0.0	0.2
	32	10/06/00	20:19	0.0	0.1
	33	10/06/00	20:34	0.0	0.1
	34	10/06/00	20:49	0.0	0.1
	35	10/06/00	21:04	0.0	0.1
	36	10/06/00	21:19	0.0	0.0
	37	10/06/00	21:34	0.0	0.0
	38	10/06/00	21:49	0.0	0.0
	39	10/06/00	22:04	0.0	0.1
	40	10/06/00	22:19	0.0	0.0
	41	10/06/00	22:34	0.0	0.0
	42	10/06/00	22:49	0.0	0.0
	43	10/06/00	23:04	0.0	0.0
	44	10/06/00	23:19	0.0	0.0
	45	10/06/00	23:34	0.0	0.0
	46	10/06/00	23:49	0.0	0.0
	47	10/07/00	0:04	0.0	0.1
	48	10/07/00	0:19	0.0	0.0
	49	10/07/00	0:34	0.0	0.0
	50	10/07/00	0:49	0.0	0.0
	51	10/07/00	1:04	0.0	0.0
	52	10/07/00	1:19	0.0	0.0
	53	10/07/00	1:34	0.0	0.0

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	54	10/07/00	1:49	0.0	0.0
	55	10/07/00	2:04	0.0	0.0
	56	10/07/00	2:19	0.0	0.0
	57	10/07/00	2:34	0.0	0.0
	58	10/07/00	2:49	0.0	0.0
	59	10/07/00	3:04	0.0	0.0
	60	10/07/00	3:19	0.0	0.0
	61	10/07/00	3:34	0.0	0.0
	62	10/07/00	3:49	0.0	0.0
	63	10/07/00	4:04	0.0	0.0
	64	10/07/00	4:19	0.0	0.0
	65	10/07/00	4:34	0.0	0.0
	66	10/07/00	4:49	0.0	0.0
	67	10/07/00	5:04	0.0	0.0
	68	10/07/00	5:19	0.0	0.0
	69	10/07/00	5:34	0.0	0.0
	70	10/07/00	5:49	0.0	0.0
	71	10/07/00	6:04	0.0	0.0
	72	10/07/00	6:19	0.0	0.0
	73	10/07/00	6:34	0.0	0.0
	74	10/07/00	6:49	0.0	0.0
	75	10/07/00	7:04	0.0	0.0
	76	10/07/00	7:19	0.0	0.0
	77	10/07/00	7:34	0.0	0.0
	78	10/07/00	7:49	0.0	0.0
	79	10/07/00	8:04	0.0	0.0
	80	10/07/00	8:19	0.0	0.0
	81	10/07/00	8:34	0.0	0.0
	82	10/07/00	8:49	0.0	0.0
	83	10/07/00	9:04	0.0	0.0
	84	10/07/00	9:19	0.0	0.0
	85	10/07/00	9:34	0.0	0.0
	86	10/07/00	9:49	0.0	0.0
	87	10/07/00	10:04	0.0	0.0
	88	10/07/00	10:19	0.0	0.0
	89	10/07/00	10:34	0.0	0.0
	90	10/07/00	10:49	0.0	0.0
	91	10/07/00	11:04	0.0	0.0
	92	10/07/00	11:19	0.0	0.0
	93	10/07/00	11:34	0.0	0.0
	94	10/07/00	11:49	0.0	0.0
	95	10/07/00	12:04	0.0	0.0
	96	10/07/00	12:19	0.0	0.0
	97	10/07/00	12:34	0.0	0.0
	98	10/07/00	12:49	0.0	0.0
	99	10/07/00	13:04	0.0	0.0
	100	10/07/00	13:19	0.0	0.0

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	101	10/07/00	13:34	0.0	0.0
	102	10/07/00	13:49	0.0	0.0
	103	10/07/00	14:04	0.0	0.0
	104	10/07/00	14:19	0.0	0.0
	105	10/07/00	14:34	0.0	0.0
	106	10/07/00	14:49	0.0	0.0
17	1	10/07/00	15:29	0.0	0.0
	2	10/07/00	15:44	0.0	0.3
	3	10/07/00	15:59	0.0	0.2
	4	10/07/00	16:14	0.0	0.1
	5	10/07/00	16:29	0.0	0.1
	6	10/07/00	16:44	0.0	0.1
	7	10/07/00	16:59	0.0	0.2
	8	10/07/00	17:14	0.0	0.1
	9	10/07/00	17:29	0.0	0.0
	10	10/07/00	17:44	0.0	0.0
	11	10/07/00	17:59	0.0	0.1
	12	10/07/00	18:14	0.0	0.1
	13	10/07/00	18:29	0.0	0.1
	14	10/07/00	18:44	0.0	0.1
	15	10/07/00	18:59	0.0	0.1
	16	10/07/00	19:14	0.0	0.1
	17	10/07/00	19:29	0.0	0.1
	18	10/07/00	19:44	0.0	0.0
	19	10/07/00	19:59	0.0	0.1
	20	10/07/00	20:14	0.0	0.0
	21	10/07/00	20:29	0.0	0.0
	22	10/07/00	20:44	0.0	0.1
	23	10/07/00	20:59	0.0	0.0
	24	10/07/00	21:14	0.0	0.0
	25	10/07/00	21:29	0.0	0.0
	26	10/07/00	21:44	0.0	0.0
	27	10/07/00	21:59	0.0	0.0
	28	10/07/00	22:14	0.0	0.0
	29	10/07/00	22:29	0.0	0.0
	30	10/07/00	22:44	0.0	0.0
	31	10/07/00	22:59	0.0	0.0
	32	10/07/00	23:14	0.0	0.0
	33	10/07/00	23:29	0.0	0.0
	34	10/07/00	23:44	0.0	0.0
	35	10/07/00	23:59	0.0	0.0
	36	10/08/00	0:14	0.0	0.0
	37	10/08/00	0:29	0.0	0.0
	38	10/08/00	0:44	0.0	0.0
	39	10/08/00	0:59	0.0	0.0
	40	10/08/00	1:14	0.0	0.0
	41	10/08/00	41:29	0.0	0.0

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	42	10/08/00	1:44	0.0	0.0
	43	10/08/00	1:59	0.0	0.0
	44	10/08/00	2:14	0.0	0.0
	45	10/08/00	2:29	0.0	0.0
	46	10/08/00	2:44	0.0	0.0
	47	10/08/00	2:59	0.0	0.0
	48	10/08/00	3:14	0.0	0.0
	49	10/08/00	3:29	0.0	0.0
	50	10/08/00	3:44	0.0	0.0
	51	10/08/00	3:59	0.0	0.0
	52	10/08/00	4:14	0.0	0.0
	53	10/08/00	4:29	0.0	0.0
	54	10/08/00	4:44	0.0	0.0
	55	10/08/00	4:59	0.0	0.0
	56	10/08/00	5:14	0.0	0.0
	57	10/08/00	5:29	0.0	0.0
	58	10/08/00	5:44	0.0	0.1
	59	10/08/00	5:59	0.0	0.0
	60	10/08/00	6:14	0.0	0.0
	61	10/08/00	6:29	0.0	0.0
	62	10/08/00	6:44	0.0	0.0
	63	10/08/00	6:59	0.0	0.0
	64	10/08/00	7:14	0.0	0.0
	65	10/08/00	7:29	0.0	0.0
	66	10/08/00	7:44	0.0	0.0
	67	10/08/00	7:59	0.0	0.0
	68	10/08/00	8:14	0.0	0.0
	69	10/08/00	8:29	0.0	0.0
	70	10/08/00	8:44	0.0	0.0
	71	10/08/00	8:59	0.0	0.0
	72	10/08/00	9:14	0.0	0.0
	73	10/08/00	9:29	0.0	0.0
	74	10/08/00	9:44	0.0	0.0
	75	10/08/00	9:59	0.0	0.0
	76	10/08/00	10:14	0.0	0.0
	77	10/08/00	10:29	0.0	0.1
	78	10/08/00	10:44	0.0	0.0
	79	10/08/00	10:59	0.0	0.0
	80	10/08/00	11:14	0.0	0.0
	81	10/08/00	11:29	0.0	0.0
18	1	10/08/00	12:12	0.0	0.2
	2	10/08/00	12:27	0.0	0.1
	3	10/08/00	12:42	0.0	0.0
	4	10/08/00	12:57	0.0	0.2
	5	10/08/00	13:12	0.0	0.2
	6	10/08/00	13:27	0.0	0.1
	7	10/08/00	13:42	0.0	0.1

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	8	10/08/00	13:57	0.0	0.0
	9	10/08/00	14:12	0.0	0.0
	10	10/08/00	14:27	0.0	0.0
	11	10/08/00	14:42	0.0	0.0
	12	10/08/00	14:57	0.0	0.0
	13	10/08/00	15:12	0.0	0.0
	14	10/08/00	15:27	0.0	0.0
	15	10/08/00	15:42	0.0	0.0
	16	10/08/00	15:57	0.0	0.0
	17	10/08/00	16:12	0.0	0.0
	18	10/08/00	16:27	0.0	0.0
	19	10/08/00	16:42	0.0	0.0
	20	10/08/00	16:57	0.0	0.1
	21	10/08/00	17:12	0.0	0.1
	22	10/08/00	17:27	0.0	0.0
	23	10/08/00	17:42	0.0	0.0
	24	10/08/00	17:57	0.0	0.0
	25	10/08/00	18:12	0.0	0.0
	26	10/08/00	18:27	0.0	0.0
	27	10/08/00	18:42	0.0	0.0
	28	10/08/00	18:57	0.0	0.0
	29	10/08/00	19:12	0.0	0.1
	30	10/08/00	19:27	0.0	0.0
	31	10/08/00	19:42	0.0	0.1
	32	10/08/00	19:57	0.0	0.1
	33	10/08/00	20:12	0.0	0.0
	34	10/08/00	20:27	0.0	0.0
	35	10/08/00	20:42	0.0	0.1
	36	10/08/00	20:57	0.0	0.1
	37	10/08/00	21:12	0.0	0.1
	38	10/08/00	21:27	0.0	0.0
	39	10/08/00	21:42	0.0	0.1
	40	10/08/00	21:57	0.0	0.0
	41	10/08/00	22:12	0.0	0.0
	42	10/08/00	22:27	0.0	0.0
	43	10/08/00	22:42	0.0	0.1
	44	10/08/00	22:57	0.0	0.1
	45	10/08/00	23:12	0.0	0.0
	46	10/08/00	23:27	0.0	0.1
	47	10/08/00	23:42	0.0	0.1
	48	10/08/00	23:57	0.0	0.0
	49	10/09/00	0:12	0.0	0.0
	50	10/09/00	0:27	0.0	0.0
	51	10/09/00	0:42	0.0	0.1
	52	10/09/00	0:57	0.0	0.0
	53	10/09/00	1:12	0.0	0.1
	54	10/09/00	1:27	0.0	0.0

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	55	10/09/00	1:42	0.0	0.1
	56	10/09/00	1:57	0.0	0.1
	57	10/09/00	2:12	0.0	0.1
	58	10/09/00	2:27	0.0	0.0
	59	10/09/00	2:42	0.0	0.1
	60	10/09/00	2:57	0.0	0.2
	61	10/09/00	3:12	0.0	0.1
	62	10/09/00	3:27	0.0	0.2
	63	10/09/00	3:42	0.0	0.2
	64	10/09/00	3:57	0.0	0.1
	65	10/09/00	4:12	0.0	0.1
	66	10/09/00	4:27	0.0	0.2
	67	10/09/00	4:42	0.0	0.1
	68	10/09/00	4:57	0.0	0.1
	69	10/09/00	5:12	0.0	0.1
	70	10/09/00	5:27	0.0	0.1
	71	10/09/00	5:42	0.0	0.1
	72	10/09/00	5:57	0.0	0.2
	73	10/09/00	6:12	0.0	0.2
	74	10/09/00	6:27	0.0	0.3
	75	10/09/00	6:42	0.0	0.2
	76	10/09/00	6:57	0.0	0.2
	77	10/09/00	7:12	0.0	0.3
	78	10/09/00	7:27	0.0	0.3
	79	10/09/00	7:42	0.0	0.3
	80	10/09/00	7:57	0.0	0.4
	81	10/09/00	8:12	0.1	0.5
	82	10/09/00	8:27	0.1	0.4
	83	10/09/00	8:42	0.1	0.3
	84	10/09/00	8:57	0.0	0.3
	85	10/09/00	9:12	0.0	0.3
	86	10/09/00	9:27	0.0	0.3
	87	10/09/00	9:42	0.0	0.3
	88	10/09/00	9:57	0.0	0.3
	89	10/09/00	10:12	0.0	0.3
	90	10/09/00	10:27	0.0	0.2
	91	10/09/00	10:42	0.0	0.2
	92	10/09/00	10:57	0.0	0.2
	93	10/09/00	11:12	0.0	0.1
	94	10/09/00	11:27	0.0	0.2
	95	10/09/00	11:42	0.0	0.2
	96	10/09/00	11:57	0.0	0.2
	97	10/09/00	12:12	0.0	0.3
	98	10/09/00	12:27	0.0	0.3
	99	10/09/00	12:42	0.0	0.2
19	1	10/09/00	13:20	0.0	0.2
	2	10/09/00	13:35	0.0	0.4

Kentucky Avenue
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Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	3	10/09/00	13:50	0.0	0.2
	4	10/09/00	14:05	0.0	0.2
	5	10/09/00	14:20	0.0	0.2
	6	10/09/00	14:35	0.0	0.2
	7	10/09/00	14:50	0.0	0.2
	8	10/09/00	15:05	0.0	0.2
	9	10/09/00	15:20	0.0	0.2
	10	10/09/00	15:35	0.0	0.2
	11	10/09/00	15:50	0.0	0.2
	12	10/09/00	16:05	0.0	0.2
	13	10/09/00	16:20	0.0	0.2
	14	10/09/00	16:35	0.0	0.2
	15	10/09/00	16:50	0.0	0.1
	16	10/09/00	17:05	0.0	0.2
	17	10/09/00	17:20	0.0	0.2
	18	10/09/00	17:35	0.0	0.1
	19	10/09/00	17:50	0.0	0.2
	20	10/09/00	18:05	0.0	0.2
	21	10/09/00	18:20	0.0	0.2
	22	10/09/00	18:35	0.0	0.1
	23	10/09/00	18:50	0.0	0.1
	24	10/09/00	19:05	0.0	0.1
	25	10/09/00	19:20	0.0	0.1
	26	10/09/00	19:35	0.0	0.1
	27	10/09/00	19:50	0.0	0.1
	28	10/09/00	20:05	0.0	0.2
	29	10/09/00	20:20	0.0	0.1
	30	10/09/00	20:35	0.0	0.1
	31	10/09/00	20:50	0.0	0.1
	32	10/09/00	21:05	0.0	0.1
	33	10/09/00	21:20	0.0	0.1
	34	10/09/00	21:35	0.0	0.1
	35	10/09/00	21:50	0.0	0.1
	36	10/09/00	22:05	0.0	0.2
	37	10/09/00	22:20	0.0	0.1
	38	10/09/00	22:35	0.0	0.1
	39	10/09/00	22:50	0.0	0.0
	40	10/09/00	23:05	0.0	0.1
	41	10/09/00	23:20	0.0	0.1
	42	10/09/00	23:35	0.0	0.1
	43	10/09/00	23:50	0.0	0.3
	44	10/10/00	0:05	0.0	0.2
	45	10/10/00	0:20	0.0	0.2
	46	10/10/00	0:35	0.0	0.2
	47	10/10/00	^0:50	0.0	0.2
	48	10/10/00	1:05	0.0	0.1
	49	10/10/00	1:20	0.0	0.2

Kentucky Avenue
Wellfield Site
Horseheads, New York

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	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	50	10/10/00	1:35	0.0	0.1
	51	10/10/00	1:50	0.0	0.1
	52	10/10/00	2:05	0.0	0.1
	53	10/10/00	2:20	0.0	0.2
	54	10/10/00	2:35	0.0	0.1
	55	10/10/00	2:50	0.0	0.2
	56	10/10/00	3:05	0.0	0.1
	57	10/10/00	3:20	0.0	0.1
	58	10/10/00	3:35	0.0	0.1
	59	10/10/00	3:50	0.0	0.1
	60	10/10/00	4:05	0.0	0.1
	61	10/10/00	4:20	0.0	0.1
	62	10/10/00	4:35	0.0	0.1
	63	10/10/00	4:50	0.0	0.1
	64	10/10/00	5:05	0.0	0.1
	65	10/10/00	5:20	0.0	0.1
	66	10/10/00	5:35	0.0	0.1
	67	10/10/00	5:50	0.0	0.1
	68	10/10/00	6:05	0.0	0.1
	69	10/10/00	6:20	0.0	0.1
	70	10/10/00	6:35	0.0	0.1
	71	10/10/00	6:50	0.0	0.1
	72	10/10/00	7:05	0.0	0.1
	73	10/10/00	7:20	0.0	0.1
	74	10/10/00	7:35	0.0	0.1
	75	10/10/00	7:50	0.0	0.1
	76	10/10/00	8:05	0.0	0.2
	77	10/10/00	8:20	0.0	0.1
	78	10/10/00	8:35	0.0	0.1
	79	10/10/00	8:50	0.0	0.1
	80	10/10/00	9:05	0.0	0.2
	81	10/10/00	9:20	0.0	0.1
	82	10/10/00	9:35	0.0	0.1
	83	10/10/00	9:50	0.0	0.1
	84	10/10/00	10:05	0.0	0.2
	85	10/10/00	10:20	0.0	0.1
	86	10/10/00	10:35	0.0	0.2
	87	10/10/00	10:50	0.0	0.1
	88	10/10/00	11:05	0.0	0.1
	89	10/10/00	11:20	0.0	0.1
	90	10/10/00	11:35	0.0	0.1
	91	10/10/00	11:50	0.0	0.1
20	1	10/10/00	12:28	0.0	0.0
	2	10/10/00	12:43	0.0	0.0
	3	10/10/00	12:58	0.0	0.0
	4	10/10/00	13:13	0.0	0.0
	5	10/10/00	13:28	0.0	0.0

Kentucky Avenue
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Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	6	10/10/00	13:43	0.0	0.0
	7	10/10/00	13:58	0.0	0.0
	8	10/10/00	14:13	0.0	0.0
	9	10/10/00	14:28	0.0	0.0
	10	10/10/00	14:43	0.0	0.0
	11	10/10/00	14:58	0.0	0.0
	12	10/10/00	15:13	0.0	0.0
	13	10/10/00	15:28	0.0	0.0
	14	10/10/00	15:43	0.0	0.0
	15	10/10/00	15:58	0.0	0.0
	16	10/10/00	16:13	0.0	0.0
	17	10/10/00	16:28	0.0	0.0
	18	10/10/00	16:43	0.0	0.0
	19	10/10/00	16:58	0.0	0.0
	20	10/10/00	17:13	0.0	0.0
	21	10/10/00	17:28	0.0	0.0
	22	10/10/00	17:43	0.0	0.0
	23	10/10/00	17:58	0.0	0.0
	24	10/10/00	18:13	0.0	0.0
	25	10/10/00	18:28	0.0	0.0
	26	10/10/00	18:43	0.0	0.0
	27	10/10/00	18:58	0.0	0.0
	28	10/10/00	19:13	0.0	0.0
	29	10/10/00	19:28	0.0	0.0
	30	10/10/00	19:43	0.0	0.0
	31	10/10/00	19:58	0.0	0.0
	32	10/10/00	20:13	0.0	0.0
	33	10/10/00	20:28	0.0	0.0
	34	10/10/00	20:43	0.0	0.0
	35	10/10/00	20:58	0.0	0.0
	36	10/10/00	21:13	0.0	0.0
	37	10/10/00	21:28	0.0	0.0
	38	10/10/00	21:43	0.0	0.0
	39	10/10/00	21:58	0.0	0.0
	40	10/10/00	22:13	0.0	0.0
	41	10/10/00	22:28	0.0	0.0
	42	10/10/00	22:43	0.0	0.0
	43	10/10/00	22:58	0.0	0.0
	44	10/10/00	23:13	0.0	0.0
	45	10/10/00	23:28	0.0	0.0
	46	10/10/00	23:43	0.0	0.0
	47	10/10/00	23:58	0.0	0.0
	48	10/11/00	0:13	0.0	0.0
	49	10/11/00	0:28	0.0	0.0
	50	10/11/00	0:43	0.0	0.0
	51	10/11/00	0:58	0.0	0.0
	52	10/11/00	* 1:13	0.0	0.0

Kentucky Avenue
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Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	53	10/11/00	1:28	0.0	0.0
	54	10/11/00	1:43	0.0	0.0
	55	10/11/00	1:58	0.0	0.0
	56	10/11/00	2:13	0.0	0.0
	57	10/11/00	2:28	0.0	0.0
	58	10/11/00	2:43	0.0	0.0
	59	10/11/00	2:58	0.0	0.0
	60	10/11/00	3:13	0.0	0.0
	61	10/11/00	3:28	0.0	0.0
	62	10/11/00	3:43	0.0	0.0
	63	10/11/00	3:58	0.0	0.0
	64	10/11/00	4:13	0.0	0.0
	65	10/11/00	4:28	0.0	0.0
	66	10/11/00	4:43	0.0	0.0
	67	10/11/00	4:58	0.0	0.0
	68	10/11/00	5:13	0.0	0.0
	69	10/11/00	5:28	0.0	0.0
	70	10/11/00	5:43	0.0	0.0
	71	10/11/00	5:58	0.0	0.0
	72	10/11/00	6:13	0.0	0.0
	73	10/11/00	6:28	0.0	0.0
	74	10/11/00	6:43	0.0	0.0
	75	10/11/00	6:58	0.0	0.0
	76	10/11/00	7:13	0.0	0.0
	77	10/11/00	7:28	0.0	0.0
	78	10/11/00	7:43	0.0	0.0
	79	10/11/00	7:58	0.0	0.0
	80	10/11/00	8:13	0.0	0.0
	81	10/11/00	8:28	0.0	0.0
	82	10/11/00	8:43	0.0	0.0
	83	10/11/00	8:58	0.0	0.0
	84	10/11/00	9:13	0.0	0.0
	85	10/11/00	9:28	0.0	0.0
	86	10/11/00	9:43	0.0	0.0
	87	10/11/00	9:58	0.0	0.0
	88	10/11/00	10:13	0.0	0.0
	89	10/11/00	10:28	0.0	0.0
	90	10/11/00	10:43	0.0	0.0
	91	10/11/00	10:58	0.0	0.0
	92	10/11/00	11:13	0.0	0.0
	93	10/11/00	11:28	0.0	0.0
	94	10/11/00	11:43	0.0	0.0
	95	10/11/00	11:58	0.0	0.0
	96	10/11/00	12:13	0.0	0.0
	97	10/11/00	12:28	0.0	0.0
21	1	10/11/00	13:08	0.1	0.3
	2	10/11/00	13:23	0.1	0.4

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	3	10/11/00	13:38	0.1	0.3
	4	10/11/00	13:53	0.1	0.3
	5	10/11/00	14:08	0.1	0.3
	6	10/11/00	14:23	0.1	0.3
	7	10/11/00	14:38	0.1	0.4
	8	10/11/00	14:53	0.1	0.4
	9	10/11/00	15:08	0.1	0.4
	10	10/11/00	15:23	0.2	0.4
	11	10/11/00	15:38	0.2	0.4
	12	10/11/00	15:53	0.2	0.5
	13	10/11/00	16:08	0.3	0.6
	14	10/11/00	16:23	0.3	0.6
	15	10/11/00	16:38	0.3	0.6
	16	10/11/00	16:53	0.3	0.7
	17	10/11/00	17:08	0.4	0.7
	18	10/11/00	17:23	0.4	0.7
	19	10/11/00	17:38	0.4	0.7
	20	10/11/00	17:53	0.4	0.7
	21	10/11/00	18:08	0.4	0.7
	22	10/11/00	18:23	0.3	0.7
	23	10/11/00	18:38	0.3	0.6
	24	10/11/00	18:53	0.3	0.5
	25	10/11/00	19:08	0.2	0.6
	26	10/11/00	19:23	0.2	0.6
	27	10/11/00	19:38	0.2	0.4
	28	10/11/00	19:53	0.1	0.5
	29	10/11/00	20:08	0.1	0.5
	30	10/11/00	20:23	0.1	0.4
	31	10/11/00	20:38	0.1	0.4
	32	10/11/00	20:53	0.1	0.4
	33	10/11/00	21:08	0.1	0.3
	34	10/11/00	21:23	0.1	0.3
	35	10/11/00	21:38	0.1	0.3
	36	10/11/00	21:53	0.1	0.3
	37	10/11/00	22:08	0.1	0.3
	38	10/11/00	22:23	0.0	0.3
	39	10/11/00	22:38	0.0	0.3
	40	10/11/00	22:53	0.0	0.3
	41	10/11/00	23:08	0.0	0.3
	42	10/11/00	23:23	0.0	0.3
	43	10/11/00	23:38	0.0	0.3
	44	10/11/00	23:53	0.0	0.3
	45	10/12/00	0:08	0.0	0.2
	46	10/12/00	0:23	0.0	0.3
	47	10/12/00	0:38	0.0	0.2
	48	10/12/00	"" 0:53	^0.0	0.3
	49	10/12/00	1:08	0.0	0.3

Kentucky Avenue
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Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	50	10/12/00	1:23	0.0	0.2
	51	10/12/00	1:38	0.0	0.3
	52	10/12/00	1:53	0.0	0.3
	53	10/12/00	2:08	0.0	0.3
	54	10/12/00	2:23	0.0	0.2
	55	10/12/00	2:38	0.0	0.3
	56	10/12/00	2:53	0.0	0.3
	57	10/12/00	3:08	0.0	0.3
	58	10/12/00	3:23	0.0	0.2
	59	10/12/00	3:38	0.0	0.3
	60	10/12/00	3:53	0.0	0.4
	61	10/12/00	4:08	0.0	0.2
	62	10/12/00	4:23	0.0	0.3
	63	10/12/00	4:38	0.0	0.2
	64	10/12/00	4:53	0.0	0.3
	65	10/12/00	5:08	0.0	0.2
	66	10/12/00	5:23	0.0	0.3
	67	10/12/00	5:38	0.0	0.2
	68	10/12/00	5:53	0.0	0.2
	69	10/12/00	6:08	0.0	0.2
	70	10/12/00	6:23	0.0	0.2
	71	10/12/00	6:38	0.0	0.3
	72	10/12/00	6:53	0.0	0.2
	73	10/12/00	7:08	0.0	0.3
	74	10/12/00	7:23	0.0	0.3
	75	10/12/00	7:38	0.0	0.2
	76	10/12/00	7:53	0.0	0.2
	77	10/12/00	8:08	0.0	0.2
	78	10/12/00	8:23	0.0	0.3
	79	10/12/00	8:38	0.1	0.6
	80	10/12/00	8:53	0.1	0.6
	81	10/12/00	9:08	0.0	0.5

AVERAGE = 0.1 0.2

STANDARD DEVIATION = 0.1 0.2

Attachment 8
Unit #10 Calibration Data

Calibration Log for Unit #10

Instrument: MiniRAE 2000 (PGM7600)
User ID: 00000001 Site ID: 00000013
Gas Name: isobutylene

Serial Number: 002844

- 1 Data Points: 19 Sample Period: 900 sec
Last Calibration Time: 09/28/2000 10:54
- 2 Data Points: 65 Sample Period: 900 sec
Last Calibration Time: 09/28/2000 16:13
- 3 Data Points: 33 Sample Period: 900 sec
Last Calibration Time: 09/29/2000 08:55
- 4 Data Points: 53 Sample Period: 900 sec
Last Calibration Time: 09/29/2000 17:46
- 5 Data Points: 32 Sample Period: 900 sec
Last Calibration Time: 09/30/2000 07:35
- 6 Data Points: 59 Sample Period: 900 sec
Last Calibration Time: 09/30/2000 16:13
- 7 Data Points: 35 Sample Period: 900 sec
Last Calibration Time: 10/01/2000 07:25
- 8 Data Points: 62 Sample Period: 900 sec
Last Calibration Time: 10/01/2000 16:31
- 9 Data Points: 35 Sample Period: 900 sec
Last Calibration Time: 10/01/2000 16:31
- 10 Data Points: 55 Sample Period: 900 sec
Last Calibration Time: 10/02/2000 17:54
- 11 Data Points: 34 Sample Period: 900 sec
Last Calibration Time: 10/03/2000 08:14
- 12 Data Points: 60 Sample Period: 900 sec
Last Calibration Time: 10/03/2000 17:21
- 13 Data Points: 29 Sample Period: 900 sec
Last Calibration Time: 10/04/2000 08:48
- 14 Data Points: 83 Sample Period: 900 sec
Last Calibration Time: 10/04/2000 16:39
- 15 Data Points: 88 Sample Period: 900 sec

Last Calibration Time: 10/05/2000 13:50

16 Data Points: 106 Sample Period: 900 sec
Last Calibration Time: 10/06/2000 12:17

17 Data Points: 81 Sample Period: 900 sec
Last Calibration Time: 10/07/2000 15:13

18 Data Points: 99 Sample Period: 900 sec
Last Calibration Time: 10/08/2000 11:56

19 Data Points: 91 Sample Period: 900 sec
Last Calibration Time: 10/09/2000 13:04

20 Data Points: 97 Sample Period: 900 sec
Last Calibration Time: 10/10/2000 12:12

21 Data Points: 81 Sample Period: 900 sec
Last Calibration Time: 10/11/2000 12:52

Attachment 9
Unit#11-PIDData

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
The first Summa canister sample corresponding to Unit #11 was collected on 9-28-00 from 0730 through 0930. The canister was collected prior to the initiation of real-time air monitoring.					
1	1	9/28/00	11:30	0.0	0.2
	2	9/28/00	11:45	0.0	0.2
	3	9/28/00	12:00	0.0	0.3
	4	9/28/00	12:15	0.0	0.3
	5	9/28/00	12:30	0.0	0.3
	6	9/28/00	12:45	0.0	0.4
	7	9/28/00	13:00	0.0	0.3
	8	9/28/00	13:15	0.0	0.3
	9	9/28/00	13:30	0.0	0.3
	10	9/28/00	13:45	0.0	0.3
	11	9/28/00	14:00	0.0	0.3
	12	9/28/00	14:15	0.0	0.3
	13	9/28/00	14:30	0.0	0.3
	14	9/28/00	14:45	0.1	0.3
	15	9/28/00	15:00	0.0	0.3
	16	9/28/00	15:15	0.1	0.3
	17	9/28/00	15:30	0.0	0.3
	18	9/28/00	15:45	0.0	0.3
	19	9/28/00	16:00	0.0	0.3
2	1	9/28/00	16:45	0.2	0.5
	2	9/28/00	17:00	0.2	0.5
	3	9/28/00	17:15	0.2	0.5
	4	9/28/00	17:30	0.2	0.6
	5	9/28/00	17:45	0.2	0.5
	6	9/28/00	18:00	0.2	0.5
	7	9/28/00	18:15	0.2	0.5
	8	9/28/00	18:30	0.2	0.6
	9	9/28/00	18:45	0.2	0.5
	10	9/28/00	19:00	0.2	0.5
	11	9/28/00	19:15	0.2	0.5
	12	9/28/00	19:30	0.2	0.6
	13	9/28/00	19:45	0.2	0.6
	14	9/28/00	20:00	0.3	0.6
	15	9/28/00	20:15	0.3	0.6
	16	9/28/00	20:30	0.3	0.6
	17	9/28/00	20:45	0.2	0.5
	18	9/28/00	21:00	0.3	0.6
	19	9/28/00	21:15	0.3	0.6
	20	9/28/00	21:30	0.3	0.6
	21	9/28/00	21:45	0.3	0.6
	22	9/28/00	22:00	0.3	0.6
	23	9/28/00	22:15	0.2	0.6
	24	9/28/00	22:30	0.2	0.5

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	25	9/28/00	22:45	0.2	0.6
	26	9/28/00	23:00	0.2	0.5
	27	9/28/00	23:15	0.2	0.6
	28	9/28/00	23:30	0.2	0.6
	29	9/28/00	23:45	0.2	0.6
	30	9/29/00	0:00	0.2	0.6
	31	9/29/00	0:15	0.2	0.6
	32	9/29/00	0:30	0.2	0.5
	33	9/29/00	0:45	0.2	0.5
	34	9/29/00	1:00	0.2	0.6
	35	9/29/00	1:15	0.2	0.5
	36	9/29/00	1:30	0.2	0.5
	37	9/29/00	1:45	0.2	0.5
	38	9/29/00	2:00	0.2	0.5
	39	9/29/00	2:15	0.2	0.5
	40	9/29/00	2:30	0.2	0.5
	41	9/29/00	2:45	0.2	0.5
	42	9/29/00	3:00	0.2	0.5
	43	9/29/00	3:15	0.2	0.5
	44	9/29/00	3:30	0.2	0.6
	45	9/29/00	3:45	0.2	0.5
	46	9/29/00	4:00	0.2	0.5
	47	9/29/00	4:15	0.3	0.6
	48	9/29/00	4:30	0.3	0.5
	49	9/29/00	4:45	0.2	0.5
	50	9/29/00	5:00	0.3	0.6
	51	9/29/00	5:15	0.3	0.6
	52	9/29/00	5:30	0.2	0.6
	53	9/29/00	5:45	0.3	0.5
	54	9/29/00	6:00	0.3	0.6
	55	9/29/00	6:15	0.2	0.6
	56	9/29/00	6:30	0.2	0.5
	57	9/29/00	6:45	0.2	0.5
	58	9/29/00	7:00	0.2	0.5
	59	9/29/00	7:15	0.2	0.5
	60	9/29/00	7:30	0.2	0.5
	61	9/29/00	7:45	0.3	0.5
	62	9/29/00	8:00	0.2	0.6
	63	9/29/00	8:15	0.2	0.6
	64	9/29/00	8:30	0.2	0.6
3	1	9/29/00	9:07	0.0	0.2
	2	9/29/00	9:22	0.0	0.2
	3	9/29/00	9:37	0.0	0.2
	4	9/29/00	9:52	0.0	0.2
	5	9/29/00	10:07	0.0	0.2
	6	9/29/00	10:22	• 0.0	0.2
	7	9/29/00	10:37	0.0	0.3

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	8	9/29/00	10:52	0.0	0.2
	9	9/29/00	11:07	0.0	0.3
	10	9/29/00	11:22	0.0	0.3
	11	9/29/00	11:37	0.1	0.3
	12	9/29/00	11:52	0.0	0.3
	13	9/29/00	12:07	0.0	0.3
	14	9/29/00	12:22	0.0	0.3
	15	9/29/00	12:37	0.0	0.3
	16	9/29/00	12:52	0.0	0.3
	17	9/29/00	13:07	0.0	0.3
	18	9/29/00	13:22	0.0	0.2
	19	9/29/00	13:37	0.0	0.3
	20	9/29/00	13:52	0.0	0.3
	21	9/29/00	14:07	0.1	0.4
	22	9/29/00	14:22	0.1	0.5
	23	9/29/00	14:37	0.1	0.3
	24	9/29/00	14:52	0.0	0.3
	25	9/29/00	15:07	0.0	0.3
	26	9/29/00	15:22	0.0	0.3
	27	9/29/00	15:37	0.0	0.3
	28	9/29/00	15:52	0.0	0.3
	29	9/29/00	16:07	0.0	0.3
	30	9/29/00	16:22	0.0	0.3
	31	9/29/00	16:37	0.0	0.3
	32	9/29/00	16:52	0.0	0.3
	33	9/29/00	17:07	0.0	0.3
	34	9/29/00	17:22	0.0	0.3
4	1	9/29/00	18:10	0.3	0.6
	2	9/29/00	18:25	0.3	0.6
	3	9/29/00	18:40	0.3	0.7
	4	9/29/00	18:55	0.3	0.6
	5	9/29/00	19:10	0.3	0.6
	6	9/29/00	19:25	0.2	0.5
	7	9/29/00	19:40	0.2	0.5
	8	9/29/00	19:55	0.2	0.6
	9	9/29/00	20:10	0.2	0.5
	10	9/29/00	20:25	0.2	0.5
	11	9/29/00	20:40	0.2	0.6
	12	9/29/00	20:55	0.2	0.5
	13	9/29/00	21:10	0.2	0.5
	14	9/29/00	21:25	0.2	0.5
	15	9/29/00	21:40	0.2	0.5
	16	9/29/00	21:55	0.2	0.5
	17	9/29/00	22:10	0.2	0.5
	18	9/29/00	22:25	0.2	0.5
	19	9/29/00	22:40	0.2	0.5
	20	9/29/00	22:55	0.1	0.5

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	21	9/29/00	23:10	0.2	0.4
	22	9/29/00	23:25	0.2	0.5
	23	9/29/00	23:40	0.2	0.5
	24	9/29/00	23:55	0.2	0.5
	25	9/30/00	0:10	0.2	0.5
	26	9/30/00	0:25	0.2	0.5
	27	9/30/00	0:40	0.2	0.5
	28	9/30/00	0:55	0.1	0.5
	29	9/30/00	1:10	0.1	0.5
	30	9/30/00	1:25	0.2	0.5
	31	9/30/00	1:40	0.2	0.5
	32	9/30/00	1:55	0.2	0.5
	33	9/30/00	2:10	0.2	0.5
	34	9/30/00	2:25	0.2	0.5
	35	9/30/00	2:40	0.2	0.5
	36	9/30/00	2:55	0.2	0.5
	37	9/30/00	3:10	0.2	0.5
	38	9/30/00	3:25	0.1	0.5
	39	9/30/00	3:40	0.2	0.5
	40	9/30/00	3:55	0.2	0.5
	41	9/30/00	4:10	0.2	0.5
	42	9/30/00	4:25	0.2	0.5
	43	9/30/00	4:40	0.2	0.5
	44	9/30/00	4:55	0.1	0.5
	45	9/30/00	5:10	0.2	0.5
	46	9/30/00	5:25	0.2	0.5
	47	9/30/00	5:40	0.2	0.5
	48	9/30/00	5:55	0.2	0.5
	49	9/30/00	6:10	0.2	0.5
	50	9/30/00	6:25	0.2	0.5
	51	9/30/00	6:40	0.2	0.6
	52	9/30/00	6:55	0.2	0.5
	53	9/30/00	7:10	0.2	0.6
5	1	9/30/00	8:09	0.2	0.5
	2	9/30/00	8:24	0.2	0.5
	3	9/30/00	8:39	0.2	0.5
	4	9/30/00	8:54	0.2	0.4
	5	9/30/00	9:09	0.1	0.5
	6	9/30/00	9:24	0.1	0.4
	7	9/30/00	9:39	0.2	0.5
	8	9/30/00	9:54	0.2	0.5
	9	9/30/00	10:09	0.2	0.5
	10	9/30/00	10:24	0.2	0.5
	11	9/30/00	10:39	0.2	0.5
	12	9/30/00	10:54	0.2	0.5
	13	9/30/00	11:09	0.2	0.5
	14	9/30/00	11:24	0.2	0.5

Kentucky Avenue
Welifield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	15	9/30/00	11:39	0.2	0.5
	16	9/30/00	11:54	0.2	0.5
	17	9/30/00	12:09	0.2	0.5
	18	9/30/00	12:24	0.2	0.5
	19	9/30/00	12:39	0.2	0.5
	20	9/30/00	12:54	0.2	0.6
	21	9/30/00	13:09	0.2	0.6
	22	9/30/00	13:24	0.2	0.6
	23	9/30/00	13:39	0.2	0.7
	24	9/30/00	13:54	0.2	0.6
	25	9/30/00	14:09	0.2	0.6
	26	9/30/00	14:24	0.3	0.6
	27	9/30/00	14:39	0.3	0.6
	28	9/30/00	14:54	0.3	0.6
	29	9/30/00	15:09	0.3	0.6
	30	9/30/00	15:24	0.3	0.7
	31	9/30/00	15:39	0.3	0.6
6	1	9/30/00	16:24	0.1	0.4
	2	9/30/00	16:39	0.1	0.4
	3	9/30/00	16:54	0.1	0.4
	4	9/30/00	17:09	0.1	0.4
	5	9/30/00	17:24	0.1	0.5
	6	9/30/00	17:39	0.1	0.4
	7	9/30/00	17:54	0.1	0.5
	8	9/30/00	18:09	0.1	0.5
	9	9/30/00	18:24	0.1	0.4
	10	9/30/00	18:39	0.1	0.5
	11	9/30/00	18:54	0.1	0.5
	12	9/30/00	19:09	0.1	0.5
	13	9/30/00	19:24	0.1	0.4
	14	9/30/00	19:39	0.1	0.4
	15	9/30/00	19:54	0.1	0.4
	16	9/30/00	20:09	0.1	0.4
	17	9/30/00	20:24	0.1	0.4
	18	9/30/00	20:39	0.1	0.4
	19	9/30/00	20:54	0.1	0.4
	20	9/30/00	21:09	0.1	0.4
	21	9/30/00	21:24	0.1	0.4
	22	9/30/00	21:39	0.1	0.4
	23	9/30/00	21:54	0.1	0.4
	24	9/30/00	22:09	0.1	0.4
	25	9/30/00	22:24	0.1	0.4
	26	9/30/00	22:39	0.1	0.4
	27	9/30/00	22:54	0.0	0.4
	28	9/30/00	23:09	0.0	0.4
	29	9/30/00	23:24	0.0	0.3
	30	9/30/00	23:39	0.0	0.3

Kentucky Avenue
Weltfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	31	9/30/00	23:54	0.1	0.4
	32	10/1/00	0:09	0.2	0.4
	33	10/1/00	0:24	0.2	0.5
	34	10/1/00	0:39	0.2	0.5
	35	10/1/00	0:54	0.2	0.5
	36	10/1/00	1:09	0.2	0.4
	37	10/1/00	1:24	0.1	0.4
	38	10/1/00	1:39	0.1	0.4
	39	10/1/00	1:54	0.1	0.5
	40	10/1/00	2:09	0.1	0.4
	41	10/1/00	2:24	0.1	0.4
	42	10/1/00	2:39	0.1	0.4
	43	10/1/00	2:54	0.1	0.4
	44	10/1/00	3:09	0.0	0.3
	45	10/1/00	3:24	0.0	0.4
	46	10/1/00	3:39	0.2	0.4
	47	10/1/00	3:54	0.3	0.7
	48	10/1/00	4:09	0.3	0.5
	49	10/1/00	4:24	0.2	0.5
	50	10/1/00	4:39	0.1	0.4
	51	10/1/00	4:54	0.1	0.4
	52	10/1/00	5:09	0.1	0.4
	53	10/1/00	5:24	0.1	0.3
	54	10/1/00	5:39	0.0	0.4
	55	10/1/00	5:54	0.0	0.4
	56	10/1/00	6:09	0.0	0.4
	57	10/1/00	6:24	0.0	0.3
	58	10/1/00	6:39	0.0	0.3
	59	10/1/00	6:54	0.0	0.3
7	1	10/1/00	7:37	0.3	0.6
	2	10/1/00	7:52	0.3	0.6
	3	10/1/00	8:07	0.3	0.6
	4	10/1/00	8:22	0.3	0.6
	5	10/1/00	8:37	0.3	0.6
	6	10/1/00	8:52	0.3	0.6
	7	10/1/00	9:07	0.3	0.6
	8	10/1/00	9:22	0.3	0.6
	9	10/1/00	9:37	0.3	0.6
	10	10/1/00	9:52	0.3	0.6
	11	10/1/00	10:07	0.3	0.6
	12	10/1/00	10:22	0.3	0.6
	13	10/1/00	10:37	0.3	0.6
	14	10/1/00	10:52	0.3	0.6
	15	10/1/00	11:07	0.3	0.6
	16	10/1/00	11:22	0.3	0.6
	17	10/1/00	11:37	0.3	0.7
	18	10/1/00	11:52	0.3	0.7

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	19	10/1/00	12:07	0.3	0.6
	20	10/1/00	12:22	0.4	0.7
	21	10/1/00	12:37	0.4	0.7
	22	10/1/00	12:52	0.4	0.8
	23	10/1/00	13:07	0.4	0.8
	24	10/1/00	13:22	0.4	0.7
	25	10/1/00	13:37	0.4	0.7
	26	10/1/00	13:52	0.4	0.8
	27	10/1/00	14:07	0.5	0.9
	28	10/1/00	14:22	0.5	0.8
	29	10/1/00	14:37	0.5	0.8
	30	10/1/00	14:52	0.5	0.8
	31	10/1/00	15:07	0.5	0.8
	32	10/1/00	15:22	0.5	0.9
	33	10/1/00	15:37	0.5	0.8
	34	10/1/00	15:52	0.5	0.8
	35	10/1/00	16:07	0.5	0.9
8	1	10/1/00	16:43	0.2	0.6
	2	10/1/00	16:58	0.2	0.6
	3	10/1/00	17:13	0.2	0.5
	4	10/1/00	17:28	0.2	0.6
	5	10/1/00	17:43	0.2	0.6
	6	10/1/00	17:58	0.2	0.5
	7	10/1/00	18:13	0.2	0.5
	8	10/1/00	18:28	0.2	0.5
	9	10/1/00	18:43	0.2	0.5
	10	10/1/00	18:58	0.2	0.5
	11	10/1/00	19:13	0.2	0.5
	12	10/1/00	19:28	0.2	0.6
	13	10/1/00	19:43	0.2	0.5
	14	10/1/00	19:58	0.2	0.6
	15	10/1/00	20:13	0.2	0.5
	16	10/1/00	20:28	0.2	0.5
	17	10/1/00	20:43	0.2	0.5
	18	10/1/00	20:58	0.2	0.5
	19	10/1/00	21:13	0.2	0.5
	20	10/1/00	21:28	0.2	0.5
	21	10/1/00	21:43	0.2	0.5
	22	10/1/00	21:58	0.2	0.5
	23	10/1/00	22:13	0.1	0.4
	24	10/1/00	22:28	0.1	0.4
	25	10/1/00	22:43	0.1	0.5
	26	10/1/00	22:58	0.1	0.4
	27	10/1/00	23:13	0.1	0.4
	28	10/1/00	23:28	0.1	0.4
	29	10/1/00	23:43	0.1	0.4
	30	10/1/00	23:58	0.1	0.4

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	31	10/2/00	0:13	0.1	0.4
	32	10/2/00	0:28	0.1	0.4
	33	10/2/00	0:43	0.1	0.4
	34	10/2/00	0:58	0.1	0.4
	35	10/2/00	1:13	0.1	0.4
	36	10/2/00	1:28	0.1	0.4
	37	10/2/00	1:43	0.1	0.4
	38	10/2/00	1:58	0.1	0.4
	39	10/2/00	2:13	0.1	0.4
	40	10/2/00	2:28	0.1	0.4
	41	10/2/00	2:43	0.1	0.4
	42	10/2/00	2:58	0.1	0.4
	43	10/2/00	3:13	0.1	0.4
	44	10/2/00	3:28	0.1	0.4
	45	10/2/00	3:43	0.1	0.4
	46	10/2/00	3:58	0.1	0.4
	47	10/2/00	4:13	0.1	0.4
	48	10/2/00	4:28	0.0	0.4
	49	10/2/00	4:43	0.0	0.4
	50	10/2/00	4:58	0.0	0.4
	51	10/2/00	5:13	0.0	0.3
	52	10/2/00	5:28	0.0	0.4
	53	10/2/00	5:43	0.0	0.4
	54	10/2/00	5:58	0.0	0.4
	55	10/2/00	6:13	0.0	0.3
	56	10/2/00	6:28	0.0	0.3
	57	10/2/00	6:43	0.0	0.3
	58	10/2/00	6:58	0.0	0.3
	59	10/2/00	7:13	0.0	0.3
	60	10/2/00	7:28	0.0	0.3
	61	10/2/00	7:43	0.0	0.4
	62	10/2/00	7:58	0.0	0.3
	63	10/2/00	8:13	0.0	1.1
9	1	10/2/00	8:58	0.4	0.7
	2	10/2/00	9:13	0.4	0.7
	3	10/2/00	9:28	0.4	0.7
	4	10/2/00	9:43	0.4	0.7
	5	10/2/00	9:58	0.4	0.8
	6	10/2/00	10:13	0.4	0.7
	7	10/2/00	10:28	0.4	0.8
	8	10/2/00	10:43	0.4	0.8
	9	10/2/00	10:58	0.4	0.8
	10	10/2/00	11:13	0.4	0.8
	11	10/2/00	11:28	0.4	0.8
	12	10/2/00	11:43	0.4	0.7
	13	10/2/00	11:58	0.4	0.7
	14	10/2/00	12:13	0.4	0.8

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	15	10/2/00	12:28	0.4	0.7
	16	10/2/00	12:43	0.4	0.7
	17	10/2/00	12:58	0.5	0.8
	18	10/2/00	13:13	0.5	0.8
	19	10/2/00	13:28	0.5	0.8
	20	10/2/00	13:43	0.4	0.8
	21	10/2/00	13:58	0.5	0.7
	22	10/2/00	14:13	0.5	0.8
	23	10/2/00	14:28	0.4	0.8
	24	10/2/00	14:43	0.5	0.8
	25	10/2/00	14:58	0.5	0.8
	26	10/2/00	15:13	0.6	0.9
	27	10/2/00	15:28	0.6	1.0
	28	10/2/00	15:43	0.6	1.0
	29	10/2/00	15:58	0.7	1.0
	30	10/2/00	16:13	0.7	1.0
	31	10/2/00	16:28	0.7	1.1
	32	10/2/00	16:43	0.7	1.0
	33	10/2/00	16:58	0.7	1.0
	34	10/2/00	17:13	0.7	1.0
10	1	10/2/00	18:03	0.1	0.5
	2	10/2/00	18:18	0.1	0.5
	3	10/2/00	18:33	0.1	0.6
	4	10/2/00	18:48	0.2	0.5
	5	10/2/00	19:03	0.2	0.6
	6	10/2/00	19:18	0.3	0.6
	7	10/2/00	19:33	0.3	0.7
	8	10/2/00	19:48	0.3	0.7
	9	10/2/00	20:03	0.3	0.7
	10	10/2/00	20:18	0.3	0.7
	11	10/2/00	20:33	0.3	0.7
	12	10/2/00	20:48	0.3	0.7
	13	10/2/00	21:03	0.3	0.8
	14	10/2/00	21:18	0.3	0.7
	15	10/2/00	21:33	0.3	0.7
	16	10/2/00	21:48	0.3	0.7
	17	10/2/00	22:03	0.3	0.7
	18	10/2/00	22:18	0.3	0.7
	19	10/2/00	22:33	0.3	0.7
	20	10/2/00	22:48	0.3	0.7
	21	10/2/00	23:03	0.3	0.6
	22	10/2/00	23:18	0.3	0.7
	23	10/2/00	23:33	0.3	0.7
	24	10/2/00	23:48	0.4	0.8
	25	10/3/00	0:03	0.3	0.7
	26	10/3/00	0:18	0.3	0.6
	27	10/3/00	0:33	0.3	0.6

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	28	10/3/00	0:48	0.2	0.6
	29	10/3/00	1:03	0.2	0.5
	30	10/3/00	1:18	0.1	0.5
	31	10/3/00	1:33	0.1	0.5
	32	10/3/00	1:48	0.1	0.5
	33	10/3/00	2:03	0.1	0.5
	34	10/3/00	2:18	0.1	0.4
	35	10/3/00	2:33	0.1	0.4
	36	10/3/00	2:48	0.1	0.5
	37	10/3/00	3:03	0.1	0.5
	38	10/3/00	3:18	0.1	0.5
	39	10/3/00	3:33	0.1	0.5
	40	10/3/00	3:48	0.1	0.4
	41	10/3/00	4:03	0.1	0.4
	42	10/3/00	4:18	0.1	0.4
	43	10/3/00	4:33	0.1	0.5
	44	10/3/00	4:48	0.1	0.4
	45	10/3/00	5:03	0.1	0.4
	46	10/3/00	5:18	0.1	0.5
	47	10/3/00	5:33	0.1	0.5
	48	10/3/00	5:48	0.1	0.5
	49	10/3/00	6:03	0.1	0.5
	50	10/3/00	6:18	0.1	0.5
	51	10/3/00	6:33	0.1	0.5
	52	10/3/00	6:48	0.1	0.5
	53	10/3/00	7:03	0.1	0.4
	54	10/3/00	7:18	0.0	0.5
	55	10/3/00	7:33	0.0	0.4
	56	10/3/00	7:48	0.0	0.4
	57	10/3/00	8:03	0.0	0.4
11	1	10/3/00	8:45	0.1	0.5
	2	10/3/00	9:00	0.1	0.5
	3	10/3/00	9:15	0.1	0.5
	4	10/3/00	9:30	0.1	0.4
	5	10/3/00	9:45	0.1	0.5
	6	10/3/00	10:00	0.0	0.4
	7	10/3/00	10:15	0.0	0.4
	8	10/3/00	10:30	0.0	0.4
	9	10/3/00	10:45	0.0	0.4
	10	10/3/00	11:00	0.0	0.4
	11	10/3/00	11:15	0.0	0.4
	12	10/3/00	11:30	0.0	0.5
	13	10/3/00	11:45	0.0	0.4
	14	10/3/00	12:00	0.0	0.5
	15	10/3/00	12:15	0.0	0.4
	16	10/3/00	12:30	0.0	0.4
	17	10/3/00	12:45	0.0	0.4

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	18	10/3/00	13:00	0.0	0.4
	19	10/3/00	13:15	0.0	0.4
	20	10/3/00	13:30	0.1	0.5
	21	10/3/00	13:45	0.1	0.4
	22	10/3/00	14:00	0.1	0.4
	23	10/3/00	14:15	0.1	0.4
	24	10/3/00	14:30	0.1	0.5
	25	10/3/00	14:45	0.1	0.4
	26	10/3/00	15:00	0.1	0.5
	27	10/3/00	15:15	0.1	0.4
	28	10/3/00	15:30	0.1	0.5
	29	10/3/00	15:45	0.1	0.4
	30	10/3/00	16:00	0.1	0.5
	31	10/3/00	16:15	0.1	0.5
	32	10/3/00	16:30	0.1	0.4
	33	10/3/00	16:45	0.1	0.5
	34	10/3/00	17:00	0.1	0.5
12	1	10/3/00	17:47	0.1	0.5
	2	10/3/00	18:02	0.1	0.5
	3	10/3/00	18:17	0.1	0.5
	4	10/3/00	18:32	0.1	0.5
	5	10/3/00	18:47	0.1	0.5
	6	10/3/00	19:02	0.1	0.5
	7	10/3/00	19:17	0.2	0.6
	8	10/3/00	19:32	0.2	0.6
	9	10/3/00	19:47	0.2	0.6
	10	10/3/00	20:02	0.2	0.6
	11	10/3/00	20:17	0.2	0.6
	12	10/3/00	20:32	0.1	0.6
	13	10/3/00	20:47	0.1	0.6
	14	10/3/00	21:02	0.1	0.5
	15	10/3/00	21:17	0.1	0.5
	16	10/3/00	21:32	0.1	0.4
	17	10/3/00	21:47	0.0	0.4
	18	10/3/00	22:02	0.0	0.4
	19	10/3/00	22:17	0.0	0.4
	20	10/3/00	22:32	0.0	0.4
	21	10/3/00	22:47	0.0	0.3
	22	10/3/00	23:02	0.0	0.3
	23	10/3/00	23:17	0.0	0.3
	24	10/3/00	23:32	0.0	0.2
	25	10/3/00	23:47	0.0	0.3
	26	10/4/00	0:02	0.0	0.3
	27	10/4/00	0:17	0.0	0.2
	28	10/4/00	0:32	0.0	0.3
	29	10/4/00	0:47	0.0	0.3
	30	10/4/00	1:02	0.0	0.3

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	31	10/4/00	1:17	0.0	0.3
	32	10/4/00	1:32	0.0	0.2
	33	10/4/00	1:47	0.0	0.3
	34	10/4/00	2:02	0.0	0.2
	35	10/4/00	2:17	0.0	0.2
	36	10/4/00	2:32	0.0	0.2
	37	10/4/00	2:47	0.0	0.2
	38	10/4/00	3:02	0.0	0.2
	39	10/4/00	3:17	0.0	0.2
	40	10/4/00	3:32	0.0	0.2
	41	10/4/00	3:47	0.0	0.2
	42	10/4/00	4:02	0.0	0.1
	43	10/4/00	4:17	0.0	0.2
	44	10/4/00	4:32	0.0	0.2
	45	10/4/00	4:47	0.0	0.2
	46	10/4/00	5:02	0.0	0.2
	47	10/4/00	5:17	0.0	0.3
	48	10/4/00	5:32	0.0	0.2
	49	10/4/00	5:47	0.0	0.2
	50	10/4/00	6:02	0.0	0.2
	51	10/4/00	6:17	0.0	0.2
	52	10/4/00	6:32	0.0	0.2
	53	10/4/00	6:47	0.0	0.1
	54	10/4/00	7:02	0.0	0.1
	55	10/4/00	7:17	0.0	0.2
	56	10/4/00	7:32	0.0	0.1
	57	10/4/00	7:47	0.0	0.1
	58	10/4/00	8:02	0.0	0.1
	59	10/4/00	8:17	0.0	0.1
	60	10/4/00	8:32	0.0	0.1
13	1	10/4/00	9:18	0.0	0.3
	2	10/4/00	9:33	0.0	0.4
	3	10/4/00	9:48	0.0	0.4
	4	10/4/00	10:03	0.0	0.4
	5	10/4/00	10:18	0.1	0.5
	6	10/4/00	10:33	0.1	0.4
	7	10/4/00	10:48	0.1	0.4
	8	10/4/00	11:03	0.1	0.5
	9	10/4/00	11:18	0.1	0.5
	10	10/4/00	11:33	0.1	0.5
	11	10/4/00	11:48	0.1	0.5
	12	10/4/00	12:03	0.1	0.5
	13	10/4/00	12:18	0.1	0.5
	14	10/4/00	12:33	0.1	0.5
	15	10/4/00	12:48	0.1	0.4
	16	10/4/00	13:03	0.1	0.5
	17	10/4/00	13:18	0.1	0.5

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	18	10/4/00	13:33	0.1	0.5
	19	10/4/00	13:48	0.1	0.5
	20	10/4/00	14:03	0.1	0.5
	21	10/4/00	14:18	0.1	0.5
	22	10/4/00	14:33	0.1	0.5
	23	10/4/00	14:48	0.1	0.5
	24	10/4/00	15:03	0.1	0.5
	25	10/4/00	15:18	0.2	0.5
	26	10/4/00	15:33	0.1	0.5
	27	10/4/00	15:48	0.1	0.5
	28	10/4/00	16:03	0.1	0.6
	29	10/4/00	16:18	0.1	0.6
14	1	10/4/00	17:14	0.0	0.4
	2	10/4/00	17:29	0.0	0.4
	3	10/4/00	17:44	0.0	0.4
	4	10/4/00	17:59	0.0	0.3
	5	10/4/00	18:14	0.0	0.4
	6	10/4/00	18:29	0.0	0.4
	7	10/4/00	18:44	0.0	0.3
	8	10/4/00	18:59	0.0	0.3
	9	10/4/00	19:14	0.0	0.2
	10	10/4/00	19:29	0.0	0.3
	11	10/4/00	19:44	0.0	0.3
	12	10/4/00	19:59	0.0	0.2
	13	10/4/00	20:14	0.0	0.2
	14	10/4/00	20:29	0.0	0.2
	15	10/4/00	20:44	0.0	0.2
	16	10/4/00	20:59	0.0	0.2
	17	10/4/00	21:14	0.0	0.2
	18	10/4/00	21:29	0.0	0.2
	19	10/4/00	21:44	0.0	0.2
	20	10/4/00	21:59	0.0	0.1
	21	10/4/00	22:14	0.0	0.1
	22	10/4/00	22:29	0.0	0.1
	23	10/4/00	22:44	0.0	0.2
	24	10/4/00	22:59	0.0	0.1
	25	10/4/00	23:14	0.0	0.1
	26	10/4/00	23:29	0.0	0.1
	27	10/4/00	23:44	0.0	0.2
	28	10/4/00	23:59	0.0	0.1
	29	10/5/00	0:14	0.0	0.1
	30	10/5/00	0:29	0.0	0.1
	31	10/5/00	0:44	0.0	0.1
	32	10/5/00	0:59	0.0	0.2
	33	10/5/00	1:14	0.0	0.1
	34	10/5/00	1:29	0.0	0.2
	35	10/5/00	1:44	0.0	0.1

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	36	10/5/00	1:59	0.0	0.1
	37	10/5/00	2:14	0.0	0.2
	38	10/5/00	2:29	0.0	0.1
	39	10/5/00	2:44	0.0	0.2
	40	10/5/00	2:59	0.0	0.2
	41	10/5/00	3:14	0.0	0.2
	42	10/5/00	3:29	0.0	0.1
	43	10/5/00	3:44	0.0	0.1
	44	10/5/00	3:59	0.0	0.1
	45	10/5/00	4:14	0.0	0.1
	46	10/5/00	4:29	0.0	0.2
	47	10/5/00	4:44	0.0	0.3
	48	10/5/00	4:59	0.0	0.2
	49	10/5/00	5:14	0.0	0.2
	50	10/5/00	5:29	0.0	0.3
	51	10/5/00	5:44	0.0	0.3
	52	10/5/00	5:59	0.0	0.3
	53	10/5/00	6:14	0.0	0.2
	54	10/5/00	6:29	0.0	0.2
	55	10/5/00	6:44	0.0	0.1
	56	10/5/00	6:59	0.0	0.1
	57	10/5/00	7:14	0.0	0.0
	58	10/5/00	7:29	0.0	0.0
	59	10/5/00	7:44	0.0	0.0
	60	10/5/00	7:59	0.0	0.0
	61	10/5/00	8:14	0.0	0.0
	62	10/5/00	8:29	0.0	0.0
	63	10/5/00	8:44	0.0	0.1
	64	10/5/00	8:59	0.0	0.1
	65	10/5/00	9:14	0.0	0.0
	66	10/5/00	9:29	0.0	0.1
	67	10/5/00	9:44	0.0	0.1
	68	10/5/00	9:59	0.0	0.1
	69	10/5/00	10:14	0.0	0.0
	70	10/5/00	10:29	0.0	0.1
	71	10/5/00	10:44	0.0	0.0
	72	10/5/00	10:59	0.0	0.0
	73	10/5/00	11:14	0.0	0.1
	74	10/5/00	11:29	0.0	0.0
	75	10/5/00	11:44	0.0	0.1
	76	10/5/00	11:59	0.0	0.1
	77	10/5/00	12:14	0.0	0.1
	78	10/5/00	12:29	0.0	0.1
	79	10/5/00	12:44	0.0	0.1
	80	10/5/00	12:59	0.0	0.1
	81	10/5/00	13:14	0.0	0.0
15	1	10/5/00	14:02	0.0	0.2

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	2	10/5/00	14:17	0.0	0.2
	3	10/5/00	14:32	0.0	0.2
	4	10/5/00	14:47	0.0	0.2
	5	10/5/00	15:02	0.0	0.2
	6	10/5/00	15:17	0.0	0.2
	7	10/5/00	15:32	0.0	0.2
	8	10/5/00	15:47	0.0	0.2
	9	10/5/00	16:02	0.0	0.2
	10	10/5/00	16:17	0.0	0.2
	11	10/5/00	16:32	0.0	0.2
	12	10/5/00	16:47	0.0	0.2
	13	10/5/00	17:02	0.0	0.2
	14	10/5/00	17:17	0.0	0.2
	15	10/5/00	17:32	0.0	0.2
	16	10/5/00	17:47	0.0	0.3
	17	10/5/00	18:02	0.0	0.2
	18	10/5/00	18:17	0.0	0.3
	19	10/5/00	18:32	0.0	0.2
	20	10/5/00	18:47	0.0	0.3
	21	10/5/00	19:02	0.0	0.2
	22	10/5/00	19:17	0.0	0.3
	23	10/5/00	19:32	0.0	0.3
	24	10/5/00	19:47	0.0	0.3
	25	10/5/00	20:02	0.0	0.3
	26	10/5/00	20:17	0.0	0.3
	27	10/5/00	20:32	0.0	0.2
	28	10/5/00	20:47	0.0	0.3
	29	10/5/00	21:02	0.0	0.2
	30	10/5/00	21:17	0.0	0.2
	31	10/5/00	21:32	0.0	0.3
	32	10/5/00	21:47	0.0	0.2
	33	10/5/00	22:02	0.0	0.2
	34	10/5/00	22:17	0.0	0.2
	35	10/5/00	22:32	0.0	0.1
	36	10/5/00	22:47	0.0	0.2
	37	10/5/00	23:02	0.0	0.2
	38	10/5/00	23:17	0.0	0.2
	39	10/5/00	23:32	0.0	0.2
	40	10/5/00	23:47	0.0	0.2
	41	10/6/00	0:02	0.0	0.2
	42	10/6/00	0:17	0.0	0.2
	43	10/6/00	0:32	0.0	0.2
	44	10/6/00	0:47	0.0	0.2
	45	10/6/00	1:02	0.0	0.1
	46	10/6/00	1:17	0.0	0.2
	47	10/6/00	1:32	0.0	0.3
	48	10/6/00	- 1:47	0.0	0.2

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	49	10/6/00	2:02	0.0	0.2
	50	10/6/00	2:17	0.0	0.2
	51	10/6/00	2:32	0.0	0.2
	52	10/6/00	2:47	0.0	0.2
	53	10/6/00	3:02	0.0	0.2
	54	10/6/00	3:17	0.0	0.1
	55	10/6/00	3:32	0.0	0.2
	56	10/6/00	3:47	0.0	0.1
	57	10/6/00	4:02	0.0	0.2
	58	10/6/00	4:17	0.0	0.2
	59	10/6/00	4:32	0.0	0.1
	60	10/6/00	4:47	0.0	0.2
	61	10/6/00	5:02	0.0	0.2
	62	10/6/00	5:17	0.0	0.3
	63	10/6/00	5:32	0.0	0.2
	64	10/6/00	5:47	0.0	0.2
	65	10/6/00	6:02	0.0	0.3
	66	10/6/00	6:17	0.0	0.1
	67	10/6/00	6:32	0.0	0.3
	68	10/6/00	6:47	0.0	0.2
	69	10/6/00	7:02	0.0	0.2
	70	10/6/00	7:17	0.0	0.1
	71	10/6/00	7:32	0.0	0.1
	72	10/6/00	7:47	0.0	0.1
	73	10/6/00	8:02	0.0	0.2
	74	10/6/00	8:17	0.0	0.1
	75	10/6/00	8:32	0.0	0.1
	76	10/6/00	8:47	0.0	0.1
	77	10/6/00	9:02	0.0	0.2
	78	10/6/00	9:17	0.0	0.1
	79	10/6/00	9:32	0.0	0.2
	80	10/6/00	9:47	0.0	0.1
	81	10/6/00	10:02	0.0	0.1
	82	10/6/00	10:17	0.0	0.2
	83	10/6/00	10:32	0.0	0.3
	84	10/6/00	10:47	0.0	0.2
	85	10/6/00	11:02	0.0	0.3
	86	10/6/00	11:17	0.0	0.2
	87	10/6/00	11:32	0.0	0.2
16	1	10/6/00	12:23	0.1	0.5
	2	10/6/00	12:38	0.1	0.5
	3	10/6/00	12:53	0.1	0.5
	4	10/6/00	13:08	0.1	0.5
	5	10/6/00	13:23	0.1	0.6
	6	10/6/00	13:38	0.1	0.5
	7	10/6/00	13:53	0.1	0.5
	8	10/6/00	14:08	0.1	0.5

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	9	10/6/00	14:23	0.1	0.5
	10	10/6/00	14:38	0.1	0.5
	11	10/6/00	14:53	0.1	0.4
	12	10/6/00	15:08	0.1	0.5
	13	10/6/00	15:23	0.1	0.5
	14	10/6/00	15:38	0.1	0.5
	15	10/6/00	15:53	0.1	0.6
	16	10/6/00	16:08	0.2	0.6
	17	10/6/00	16:23	0.2	0.6
	18	10/6/00	16:38	0.2	0.6
	19	10/6/00	16:53	0.2	0.6
	20	10/6/00	17:08	0.2	0.6
	21	10/6/00	17:23	0.2	0.6
	22	10/6/00	17:38	0.2	0.6
	23	10/6/00	17:53	0.2	0.6
	24	10/6/00	18:08	0.2	0.6
	25	10/6/00	18:23	0.2	0.6
	26	10/6/00	18:38	0.2	0.7
	27	10/6/00	18:53	0.2	0.6
	28	10/6/00	19:08	0.2	0.6
	29	10/6/00	19:23	0.2	0.6
	30	10/6/00	19:38	0.2	0.6
	31	10/6/00	19:53	0.2	0.6
	32	10/6/00	20:08	0.2	0.7
	33	10/6/00	20:23	0.2	0.6
	34	10/6/00	20:38	0.2	0.6
	35	10/6/00	20:53	0.2	0.6
	36	10/6/00	21:08	0.2	0.5
	37	10/6/00	21:23	0.2	0.6
	38	10/6/00	21:38	0.2	0.6
	39	10/6/00	21:53	0.2	0.6
	40	10/6/00	22:08	0.2	0.6
	41	10/6/00	22:23	0.2	0.5
	42	10/6/00	22:38	0.1	0.6
	43	10/6/00	22:53	0.1	0.5
	44	10/6/00	23:08	0.1	0.6
	45	10/6/00	23:23	0.1	0.5
	46	10/6/00	23:38	0.1	0.5
	47	10/6/00	23:53	0.1	0.5
	48	10/7/00	0:08	0.1	0.5
	49	10/7/00	0:23	0.1	0.5
	50	10/7/00	0:38	0.1	0.5
	51	10/7/00	0:53	0.1	0.5
	52	10/7/00	1:08	0.1	0.4
	53	10/7/00	1:23	0.1	0.5
	54	10/7/00	1:38	0.1	0.5
	55	10/7/00	1:53	0.1	0.5

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	56	10/7/00	2:08	0.1	0.5
	57	10/7/00	2:23	0.1	0.5
	58	10/7/00	2:38	0.1	0.5
	59	10/7/00	2:53	0.1	0.5
	60	10/7/00	3:08	0.1	0.5
	61	10/7/00	3:23	0.1	0.5
	62	10/7/00	3:38	0.1	0.4
	63	10/7/00	3:53	0.1	0.4
	64	10/7/00	4:08	0.1	0.4
	65	10/7/00	4:23	0.1	0.5
	66	10/7/00	4:38	0.1	0.5
	67	10/7/00	4:53	0.1	0.4
	68	10/7/00	5:08	0.1	0.4
	69	10/7/00	5:23	0.1	0.4
	70	10/7/00	5:38	0.1	0.4
	71	10/7/00	5:53	0.1	0.4
	72	10/7/00	6:08	0.1	0.5
	73	10/7/00	6:23	0.1	0.5
	74	10/7/00	6:38	0.1	0.5
	75	10/7/00	6:53	0.1	0.4
	76	10/7/00	7:08	0.1	0.5
	77	10/7/00	7:23	0.1	0.4
	78	10/7/00	7:38	0.1	0.4
	79	10/7/00	7:53	0.1	0.4
	80	10/7/00	8:08	0.1	0.5
	81	10/7/00	8:23	0.1	0.4
	82	10/7/00	8:38	0.1	0.4
	83	10/7/00	8:53	0.1	0.4
	84	10/7/00	9:08	0.1	0.5
	85	10/7/00	9:23	0.1	0.4
	86	10/7/00	9:38	0.1	0.4
	87	10/7/00	9:53	0.1	0.4
	88	10/7/00	10:08	0.1	0.4
	89	10/7/00	10:23	0.1	0.4
	90	10/7/00	10:38	0.1	0.4
	91	10/7/00	10:53	0.1	0.4
	92	10/7/00	11:08	0.1	0.5
	93	10/7/00	11:23	0.1	0.4
	94	10/7/00	11:38	0.1	0.5
	95	10/7/00	11:53	0.1	0.5
	96	10/7/00	12:08	0.1	0.4
	97	10/7/00	12:23	0.1	0.4
	98	10/7/00	12:38	0.1	0.5
	99	10/7/00	12:53	0.1	0.5
	100	10/7/00	13:08	0.1	0.4
	101	10/7/00	13:23	0.1	0.4
	102	10/7/00	13:38	0.1	0.5

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	103	10/7/00	13:53	0.1	0.4
	104	10/7/00	14:08	0.1	0.5
	105	10/7/00	14:23	0.1	0.4
	106	10/7/00	14:38	0.1	0.4
17	1	10/7/00	15:20	0.0	0.4
	2	10/7/00	15:35	0.0	0.4
	3	10/7/00	15:50	0.0	0.4
	4	10/7/00	16:05	0.0	0.4
	5	10/7/00	16:20	0.0	0.4
	6	10/7/00	16:35	0.0	0.4
	7	10/7/00	16:50	0.0	0.3
	8	10/7/00	17:05	0.0	0.3
	9	10/7/00	17:20	0.0	0.3
	10	10/7/00	17:35	0.0	0.4
	11	10/7/00	17:50	0.0	0.4
	12	10/7/00	18:05	0.0	0.4
	13	10/7/00	18:20	0.0	0.4
	14	10/7/00	18:35	0.0	0.4
	15	10/7/00	18:50	0.0	0.3
	16	10/7/00	19:05	0.0	0.4
	17	10/7/00	19:20	0.0	0.4
	18	10/7/00	19:35	0.0	0.3
	19	10/7/00	19:50	0.0	0.4
	20	10/7/00	20:05	0.0	0.4
	21	10/7/00	20:20	0.0	0.4
	22	10/7/00	20:35	0.0	0.4
	23	10/7/00	20:50	0.0	0.3
	24	10/7/00	21:05	0.0	0.3
	25	10/7/00	21:20	0.0	0.3
	26	10/7/00	21:35	0.0	0.3
	27	10/7/00	21:50	0.0	0.3
	28	10/7/00	22:05	0.0	0.3
	29	10/7/00	22:20	0.0	0.3
	30	10/7/00	22:35	0.0	0.2
	31	10/7/00	22:50	0.0	0.3
	32	10/7/00	23:05	0.0	0.2
	33	10/7/00	23:20	0.0	0.3
	34	10/7/00	23:35	0.0	0.4
	35	10/7/00	23:50	0.0	0.3
	36	10/8/00	0:05	0.0	0.3
	37	10/8/00	0:20	0.0	0.2
	38	10/8/00	0:35	0.0	0.2
	39	10/8/00	0:50	0.0	0.3
	40	10/8/00	1:05	0.0	0.3
	41	10/8/00	1:20	0.0	0.4
	42	10/8/00	1:35	0.0	0.2
	43	10/8/00	1:50	0.0	0.3

Kentucky Avenue
Wellfield Site
Horseheads, NewYork

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	44	10/8/00	2:05	0.0	0.2
	45	10/8/00	2:20	0.0	0.2
	46	10/8/00	2:35	0.0	0.3
	47	10/8/00	2:50	0.0	0.3
	48	10/8/00	3:05	0.0	0.2
	49	10/8/00	3:20	0.0	0.3
	50	10/8/00	3:35	0.0	0.3
	51	10/8/00	3:50	0.0	0.2
	52	10/8/00	4:05	0.0	0.2
	53	10/8/00	4:20	0.0	0.2
	54	10/8/00	4:35	0.0	0.2
	55	10/8/00	4:50	0.0	0.2
	56	10/8/00	5:05	0.0	0.2
	57	10/8/00	5:20	0.0	0.3
	58	10/8/00	5:35	0.0	0.2
	59	10/8/00	5:50	0.0	0.3
	60	10/8/00	6:05	0.0	0.3
	61	10/8/00	6:20	0.0	0.2
	62	10/8/00	6:35	0.0	0.2
	63	10/8/00	6:50	0.0	0.2
	64	10/8/00	7:05	0.0	0.3
	65	10/8/00	7:20	0.0	0.3
	66	10/8/00	7:35	0.0	0.3
	67	10/8/00	7:50	0.0	0.2
	68	10/8/00	8:05	0.0	0.2
	69	10/8/00	8:20	0.0	0.3
	70	10/8/00	8:35	0.0	0.2
	71	10/8/00	8:50	0.0	0.3
	72	10/8/00	9:05	0.0	0.3
	73	10/8/00	9:20	0.0	0.2
	74	10/8/00	9:35	0.0	0.2
	75	10/8/00	9:50	0.0	0.2
	76	10/8/00	10:05	0.0	0.2
	77	10/8/00	10:20	0.0	0.2
	78	10/8/00	10:35	0.0	0.2
	79	10/8/00	10:50	0.0	0.2
	80	10/8/00	11:05	0.0	0.3
	81	10/8/00	11:20	0.0	0.2
18	1	10/8/00	12:04	0.0	0.3
	2	10/8/00	12:19	0.0	0.3
	3	10/8/00	12:34	0.0	0.3
	4	10/8/00	12:49	0.0	0.3
	5	10/8/00	13:04	0.0	0.3
	6	10/8/00	13:19	0.0	0.3
	7	10/8/00	13:34	0.0	0.4
	8	10/8/00	13:49	0.0	0.3
	9	10/8/00	14:04	0.0	0.3

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	10	10/8/00	14:19	0.0	0.3
	11	10/8/00	14:34	0.0	0.3
	12	10/8/00	14:49	0.0	0.3
	13	10/8/00	15:04	0.0	0.3
	14	10/8/00	15:19	0.0	0.3
	15	10/8/00	15:34	0.0	0.4
	16	10/8/00	15:49	0.0	0.3
	17	10/8/00	16:04	0.0	0.4
	18	10/8/00	16:19	0.0	0.4
	19	10/8/00	16:34	0.0	0.3
	20	10/8/00	16:49	0.0	0.3
	21	10/8/00	17:04	0.0	0.3
	22	10/8/00	17:19	0.0	0.3
	23	10/8/00	17:34	0.0	0.4
	24	10/8/00	17:49	0.0	0.5
	25	10/8/00	18:04	0.0	0.3
	26	10/8/00	18:19	0.0	0.3
	27	10/8/00	18:34	0.0	0.3
	28	10/8/00	18:49	0.0	0.3
	29	10/8/00	19:04	0.0	0.3
	30	10/8/00	19:19	0.0	0.3
	31	10/8/00	19:34	0.0	0.3
	32	10/8/00	19:49	0.0	0.3
	33	10/8/00	20:04	0.0	0.3
	34	10/8/00	20:19	0.0	0.3
	35	10/8/00	20:34	0.0	0.4
	36	10/8/00	20:49	0.0	0.2
	37	10/8/00	21:04	0.0	0.3
	38	10/8/00	21:19	0.0	0.3
	39	10/8/00	21:34	0.0	0.3
	40	10/8/00	21:49	0.0	0.3
	41	10/8/00	22:04	0.0	0.3
	42	10/8/00	22:19	0.0	0.3
	43	10/8/00	22:34	0.0	0.3
	44	10/8/00	22:49	0.0	0.3
	45	10/8/00	23:04	0.0	0.3
	46	10/8/00	23:19	0.0	0.3
	47	10/8/00	23:34	0.0	0.3
	48	10/8/00	23:49	0.0	0.2
	49	10/9/00	0:04	0.0	0.3
	50	10/9/00	0:19	0.0	0.3
	51	10/9/00	0:34	0.0	0.3
	52	10/9/00	0:49	0.0	0.2
	53	10/9/00	1:04	0.0	0.3
	54	10/9/00	1:19	0.0	0.3
	55	10/9/00	1:34	0.0	0.2
	56	10/9/00	"1:49	0.0	0.2

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	57	10/9/00	2:04	0.0	0.3
	58	10/9/00	2:19	0.0	0.2
	59	10/9/00	2:34	0.0	0.4
	60	10/9/00	2:49	0.0	0.3
	61	10/9/00	3:04	0.0	0.3
	62	10/9/00	3:19	0.0	0.4
	63	10/9/00	3:34	0.0	0.3
	64	10/9/00	3:49	0.0	0.5
	65	10/9/00	4:04	0.0	0.3
	66	10/9/00	4:19	0.0	0.3
	67	10/9/00	4:34	0.0	0.3
	68	10/9/00	4:49	0.0	0.3
	69	10/9/00	5:04	0.0	0.3
	70	10/9/00	5:19	0.0	0.3
	71	10/9/00	5:34	0.0	0.3
	72	10/9/00	5:49	0.0	0.3
	73	10/9/00	6:04	0.0	0.3
	74	10/9/00	6:19	0.0	0.3
	75	10/9/00	6:34	0.0	0.3
	76	10/9/00	6:49	0.1	0.4
	77	10/9/00	7:04	0.1	0.4
	78	10/9/00	7:19	0.0	0.4
	79	10/9/00	7:34	0.0	0.4
	80	10/9/00	7:49	0.1	0.4
	81	10/9/00	8:04	0.2	0.5
	82	10/9/00	8:19	0.2	0.6
	83	10/9/00	8:34	0.2	0.6
	84	10/9/00	8:49	0.2	0.5
	85	10/9/00	9:04	0.1	0.4
	86	10/9/00	9:19	0.1	0.4
	87	10/9/00	9:34	0.1	0.4
	88	10/9/00	9:49	0.1	0.4
	89	10/9/00	10:04	0.1	0.4
	90	10/9/00	10:19	0.1	0.4
	91	10/9/00	10:34	0.1	0.4
	92	10/9/00	10:49	0.1	0.4
	93	10/9/00	11:04	0.1	0.3
	94	10/9/00	11:19	0.0	0.4
	95	10/9/00	11:34	0.0	0.4
	96	10/9/00	11:49	0.0	0.3
	97	10/9/00	12:04	0.0	0.3
	98	10/9/00	12:19	0.0	0.3
19	1	10/9/00	13:14	0.0	0.3
	2	10/9/00	13:29	0.0	0.3
	3	10/9/00	13:44	0.0	0.3
	4	10/9/00	13:59	0.0	0.4
	5	10/9/00	14:14	0.0	0.3

Kentucky Avenue
Wellfield Site
Horeeheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	6	10/9/00	14:29	0.0	0.4
	7	10/9/00	14:44	0.0	0.4
	8	10/9/00	14:59	0.1	0.4
	9	10/9/00	15:14	0.1	0.5
	10	10/9/00	15:29	0.1	0.4
	11	10/9/00	15:44	0.1	0.4
	12	10/9/00	15:59	0.0	0.4
	13	10/9/00	16:14	0.1	0.4
	14	10/9/00	16:29	0.1	0.4
	15	10/9/00	16:44	0.1	0.4
	16	10/9/00	16:59	0.1	0.4
	17	10/9/00	17:14	0.1	0.5
	18	10/9/00	17:29	0.1	0.4
	19	10/9/00	17:44	0.1	0.4
	20	10/9/00	17:59	0.1	0.4
	21	10/9/00	18:14	0.1	0.4
	22	10/9/00	18:29	0.1	0.4
	23	10/9/00	18:44	0.0	0.3
	24	10/9/00	18:59	0.0	0.4
	25	10/9/00	19:14	0.0	0.4
	26	10/9/00	19:29	0.0	0.3
	27	10/9/00	19:44	0.0	0.3
	28	10/9/00	19:59	0.0	0.4
	29	10/9/00	20:14	0.0	0.3
	30	10/9/00	20:29	0.0	0.3
	31	10/9/00	20:44	0.0	0.3
	32	10/9/00	20:59	0.0	0.3
	33	10/9/00	21:14	0.0	0.3
	34	10/9/00	21:29	0.0	0.3
	35	10/9/00	21:44	0.0	0.3
	36	10/9/00	21:59	0.0	0.3
	37	10/9/00	22:14	0.0	0.3
	38	10/9/00	22:29	0.0	0.3
	39	10/9/00	22:44	0.0	0.3
	40	10/9/00	22:59	0.0	0.4
	41	10/9/00	23:14	0.0	0.3
	42	10/9/00	23:29	0.0	0.3
	43	10/9/00	23:44	0.0	0.3
	44	10/9/00	23:59	0.1	0.4
	45	10/10/00	0:14	0.1	0.4
	46	10/10/00	0:29	0.1	0.4
	47	10/10/00	0:44	0.1	0.4
	48	10/10/00	0:59	0.1	0.4
	49	10/10/00	1:14	0.0	0.3
	50	10/10/00	1:29	0.0	0.3
	51	10/10/00	1:44	0.0	0.4
	52	10/10/00	1:59	0.0	0.3

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	53	10/10/00	2:14	0.0	0.4
	54	10/10/00	2:29	0.0	0.3
	55	10/10/00	2:44	0.0	0.4
	56	10/10/00	2:59	0.0	0.3
	57	10/10/00	3:14	0.0	0.3
	58	10/10/00	3:29	0.0	0.3
	59	10/10/00	3:44	0.0	0.3
	60	10/10/00	3:59	0.0	0.3
	61	10/10/00	4:14	0.0	0.3
	62	10/10/00	4:29	0.0	0.3
	63	10/10/00	4:44	0.0	0.3
	64	10/10/00	4:59	0.0	0.4
	65	10/10/00	5:14	0.0	0.3
	66	10/10/00	5:29	0.0	0.3
	67	10/10/00	5:44	0.0	0.3
	68	10/10/00	5:59	0.0	0.3
	69	10/10/00	6:14	0.0	0.3
	70	10/10/00	6:29	0.0	0.3
	71	10/10/00	6:44	0.0	0.3
	72	10/10/00	6:59	0.0	0.3
	73	10/10/00	7:14	0.0	0.3
	74	10/10/00	7:29	0.0	0.3
	75	10/10/00	7:44	0.0	0.3
	76	10/10/00	7:59	0.0	0.3
	77	10/10/00	8:14	0.0	0.3
	78	10/10/00	8:29	0.0	0.3
	79	10/10/00	8:44	0.0	0.3
	80	10/10/00	8:59	0.0	0.3
	81	10/10/00	9:14	0.0	0.3
	82	10/10/00	9:29	0.0	0.3
	83	10/10/00	9:44	0.0	0.3
	84	10/10/00	9:59	0.0	0.3
	85	10/10/00	10:14	0.0	0.3
	86	10/10/00	10:29	0.0	0.3
	87	10/10/00	10:44	0.0	0.3
	88	10/10/00	10:59	0.0	0.3
	89	10/10/00	11:14	0.0	0.3
	90	10/10/00	11:29	0.0	0.3
20	1	10/10/00	12:21	0.0	0.3
	2	10/10/00	12:36	0.0	0.3
	3	10/10/00	12:51	0.0	0.3
	4	10/10/00	13:06	0.0	0.3
	5	10/10/00	13:21	0.0	0.3
	6	10/10/00	13:36	0.0	0.3
	7	10/10/00	13:51	0.0	0.3
	8	10/10/00	14:06	0.0	0.4
	9	10/10/00	14:21	0.0	0.3

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	10	10/10/00	14:36	0.0	0.3
	11	10/10/00	14:51	0.0	0.3
	12	10/10/00	15:06	0.0	0.3
	13	10/10/00	15:21	0.0	0.3
	14	10/10/00	15:36	0.0	0.3
	15	10/10/00	15:51	0.0	0.3
	16	10/10/00	16:06	0.0	0.4
	17	10/10/00	16:21	0.0	0.3
	18	10/10/00	16:36	0.0	0.4
	19	10/10/00	16:51	0.0	0.4
	20	10/10/00	17:06	0.0	0.4
	21	10/10/00	17:21	0.0	0.4
	22	10/10/00	17:36	0.0	0.3
	23	10/10/00	17:51	0.0	0.4
	24	10/10/00	18:06	0.0	0.3
	25	10/10/00	18:21	0.0	0.3
	26	10/10/00	18:36	0.0	0.3
	27	10/10/00	18:51	0.0	0.4
	28	10/10/00	19:06	0.0	0.4
	29	10/10/00	19:21	0.0	0.3
	30	10/10/00	19:36	0.0	0.3
	31	10/10/00	19:51	0.0	0.4
	32	10/10/00	20:06	0.0	0.4
	33	10/10/00	20:21	0.0	0.4
	34	10/10/00	20:36	0.0	0.3
	35	10/10/00	20:51	0.0	0.4
	36	10/10/00	21:06	0.0	0.3
	37	10/10/00	21:21	0.0	0.3
	38	10/10/00	21:36	0.0	0.3
	39	10/10/00	21:51	0.0	0.4
	40	10/10/00	22:06	0.0	0.5
	41	10/10/00	22:21	0.0	0.5
	42	10/10/00	22:36	0.0	0.4
	43	10/10/00	22:51	0.0	0.3
	44	10/10/00	23:06	0.0	0.3
	45	10/10/00	23:21	0.0	0.3
	46	10/10/00	23:36	0.0	0.3
	47	10/10/00	23:51	0.0	0.4
	48	10/11/00	0:06	0.0	0.3
	49	10/11/00	0:21	0.0	0.4
	50	10/11/00	0:36	0.0	0.3
	51	10/11/00	0:51	0.0	0.3
	52	10/11/00	1:06	0.0	0.3
	53	10/11/00	1:21	0.0	0.3
	54	10/11/00	1:36	0.0	0.2
	55	10/11/00	1:51	0.0	0.3
	56	10/11/00	2:06	0.0	0.2

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	57	1 on 1/00	2:21	0.0	0.4
	58	10/11/00	2:36	0.0	0.3
	59	10/11/00	2:51	0.0	0.3
	60	10/11/00	3:06	0.0	0.3
	61	10/11/00	3:21	0.0	0.3
	62	10/11/00	3:36	0.0	0.4
	63	10/11/00	3:51	0.0	0.4
	64	10/11/00	4:06	0.0	0.3
	65	10/11/00	4:21	0.0	0.3
	66	10/11/00	4:36	0.0	0.4
	67	10/11/00	4:51	0.0	0.3
	68	10/11/00	5:06	0.0	0.5
	69	10/11/00	5:21	0.0	0.4
	70	10/11/00	5:36	0.0	0.3
	71	10/11/00	5:51	0.0	0.4
	72	10/11/00	6:06	0.1	0.5
	73	10/11/00	6:21	0.0	0.4
	74	10/11/00	6:36	0.1	0.4
	75	10/11/00	6:51	0.1	0.4
	76	10/11/00	7:06	0.1	0.4
	77	10/11/00	7:21	0.1	0.4
	78	10/11/00	7:36	0.1	0.4
	79	10/11/00	7:51	0.1	0.4
	80	10/11/00	8:06	0.1	0.4
	81	10/11/00	8:21	0.1	0.4
	82	10/11/00	8:36	0.0	0.3
	83	10/11/00	8:51	0.0	0.4
	84	10/11/00	9:06	0.1	0.4
	85	10/11/00	9:21	0.1	0.5
	86	10/11/00	9:36	0.0	0.4
	87	10/11/00	9:51	0.0	0.4
	88	10/11/00	10:06	0.0	0.3
	89	10/11/00	10:21	0.0	0.4
	90	10/11/00	10:36	0.0	0.3
	91	10/11/00	10:51	0.0	0.3
	92	10/11/00	11:06	0.0	0.3
	93	10/11/00	11:21	0.0	0.3
	94	10/11/00	11:36	0.0	0.3
	95	10/11/00	11:51	0.0	0.3
	96	10/11/00	12:06	0.0	0.3
	97	10/11/00	12:21	0.0	0.3
21	1	10/11/00	13:03	0.0	0.3
	2	10/11/00	13:18	0.0	0.2
	3	10/11/00	13:33	0.0	0.3
	4	10/11/00	13:48	0.0	0.3
	5	10/11/00	14:03	0.0	0.3
	6	10/11/00	14:18	0.0	0.3

Kentucky Avenue
Wellfield Site
Horseheads, New York

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	7	10/11/00	14:33	0.0	0.3
	8	10/11/00	14:48	0.0	0.3
	9	10/11/00	15:03	∞	0.4
	10	10/11/00	15:18	∞	0.4
	11	10/11/00	15:33	0.1	0.4
	12	10/11/00	15:48	0.1	0.4
	13	10/11/00	16:03	0.1	0.5
	14	10/11/00	16:18	0.2	0.5
	15	10/11/00	16:33	0.2	0.7
	16	10/11/00	16:48	0.2	0.6
	17	10/11/00	17:03	0.2	0.5
	18	10/11/00	17:18	0.2	0.8
	19	10/11/00	17:33	0.2	0.7
	20	10/11/00	17:48	0.2	0.5
	21	10/11/00	18:03	0.2	0.6
	22	10/11/00	18:18	0.2	0.6
	23	10/11/00	18:33	0.1	0.5
	24	10/11/00	18:48	0.1	0.5
	25	10/11/00	19:03	0.1	0.4
	26	10/11/00	19:18	0.1	0.4
	27	10/11/00	19:33	0.0	0.4
	28	10/11/00	19:48	∞	0.4
	29	10/11/00	20:03	0.0	0.4
	30	10/11/00	20:18	0.0	0.3
	31	10/11/00	20:33	0.0	0.3
	32	10/11/00	20:48	0.0	0.2
	33	10/11/00	21:03	0.0	0.3
	34	10/11/00	21:18	∞	0.3
	35	10/11/00	21:33	0.0	0.3
	36	10/11/00	21:48	∞	0.3
	37	10/11/00	22:03	0.0	0.3
	38	10/11/00	22:18	0.0	0.3
	39	10/11/00	22:33	0.0	0.2
	40	10/11/00	22:48	0.0	0.3
	41	10/11/00	23:03	∞	0.2
	42	10/11/00	23:18	∞	0.2
	43	10/11/00	23:33	0.0	0.2
	44	10/11/00	23:48	∞	0.2
	45	10/12/00	0:03	∞	0.2
	46	10/12/00	0:18	∞	0.2
	47	10/12/00	0:33	0.0	0.2
	48	10/12/00	0:48	0.0	0.2
	49	10/12/00	*1:03	0.0	0.2
	50	10/12/00	1:18	∞	0.2
	51	10/12/00	1:33	∞	0.2
	52	10/12/00	, 1:48	0.0	0.2
	53	10/12/00	2:03	0.0	0.2

	DATA COLLECTION POINT	DATE	TIME	AVERAGE CONCENTRATION	MAXIMUM CONCENTRATION
	54	10/12/00	2:18	0.0	0.2
	55	10/12/00	2:33	0.0	0.1
	56	10/12/00	2:48	0.0	0.2
	57	10/12/00	3:03	0.0	0.2
	58	10/12/00	3:18	0.0	0.2
	59	10/12/00	3:33	0.0	0.2
	60	10/12/00	3:48	0.0	0.2
	61	10/12/00	4:03	0.0	0.2
	62	10/12/00	4:18	0.0	0.2
	63	10/12/00	4:33	0.0	0.2
	64	10/12/00	4:48	0.0	0.2
	65	10/12/00	5:03	0.0	0.2
	66	10/12/00	5:18	0.0	0.2
	67	10/12/00	5:33	0.0	0.2
	68	10/12/00	5:48	0.0	0.2
	69	10/12/00	6:03	0.0	0.3
	70	10/12/00	6:18	0.0	0.2
	71	10/12/00	6:33	0.0	0.1
	72	10/12/00	6:48	0.0	0.1
	73	10/12/00	7:03	0.0	0.2
	74	10/12/00	7:18	0.0	0.2
	75	10/12/00	7:33	0.0	0.1
	76	10/12/00	7:48	0.0	0.2
	77	10/12/00	8:03	0.0	0.2
	78	10/12/00	8:18	0.0	0.1
	79	10/12/00	8:33	0.0	0.2
	80	10/12/00	8:48	0.0	0.2

AVERAGE» 0.1 0.4

STANDARD DEVIATION «= 0.1 0.4

Attachment 10
Unit #11 Calibration Data

Calibration Log for Unit #11

Instrument: MiniRAE 2000 (PGM7600)
User ID: 00000001 Site ID: 00000012
Gas Name: Isobutylene

Serial Number: 002843

- 1 Data Points: 19 Sample Period: 900 sec
Last Calibration Time: 09/28/2000 11:05
- 2 Data Points: 64 Sample Period: 900 sec
Last Calibration Time: 09/28/2000 16:25
- 3 Data Points: 34 Sample Period: 900 sec
Last Calibration Time: 09/29/2000 08:51
- 4 Data Points: 53 Sample Period: 900 sec
Last Calibration Time: 09/29/2000 17:54
- 5 Data Points: 31 Sample Period: 900 sec
Last Calibration Time: 09/30/2000 07:49
- 6 Data Points: 59 Sample Period: 900 sec
Last Calibration Time: 09/30/2000 16:07
- 7 Data Points: 35 Sample Period: 900 sec
Last Calibration Time: 10/01/2000 07:21
- 8 Data Points: 63 Sample Period: 900 sec
Last Calibration Time: 10/01/2000 16:27
- 9 Data Points: 34 Sample Period: 900 sec
Last Calibration Time: 10/01/2000 16:27
- 10 Data Points: 57 Sample Period: 900 sec
Last Calibration Time: 10/02/2000 17:47
- 11 Data Points: 34 Sample Period: 900 sec
Last Calibration Time: 10/03/2000 08:29
- 12 Data Points: 60 Sample Period: 900 sec
Last Calibration Time: 10/03/2000 17:31
- 13 Data Points: 29 Sample Period: 900 sec
Last Calibration Time: 10/04/2000 09:02
- 14 Data Points: 81 Sample Period: 900 sec
Last Calibration Time: 10/04/2000 16:50
- 15 Data Points: 87 Sample Period: 900 sec

Last Calibration Time: 10/05/2000 13:46

16 Data Points: 106 Sample Period: 900 sec
Last Calibration Time: 10/06/2000 12:05

17 Data Points: 81 Sample Period: 900 sec
Last Calibration Time: 10/07/2000 15:03

18 Data Points: 98 Sample Period: 900 sec
Last Calibration Time: 10/08/2000 11:48

19 Data Points: 90 Sample Period: 900 sec
Last Calibration Time: 10/09/2000 12:58

20 Data Points: 97 Sample Period: 900 sec
Last Calibration Time: 10/10/2000 12:05

21 Data Points: 80 Sample Period: 900 sec
Last Calibration Time: 10/11/2000 12:47

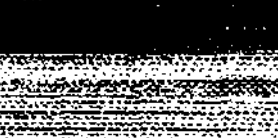
APPENDIX E

APPENDIX E

**FIELD NOTES AND DATA
COLLECTION LOGS**

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VIEW-S
FRBVIEW-S
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VEW-D
FRBVEW-0
710

APPROXIMATE LOCATION
OF FORMER SOLVENT
STORAGE TANK

dBER: 98254B30
RED BY: CUMMINGS RITTER CONSULTANTS, INC.

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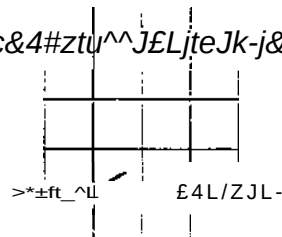
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**Table
Sheet 3 of
Viacom, Inc/Former Horseheads, NY Facility
Extraction Wellhead Data - AS/SVE System Initial Testing Program**

Date	Time	Vacuum at Extraction Well SVE- /	Vacuum at blower Inlet	Air Temperature		Extraction Air Flow Rate (4" Pipe)		Excracted Soil Gas VOC Concentration			Effluent Pressure (before GAC)	Effluent Flow Rat
				at Blower Inlet	at Blower Outlet	Velocity at Extraction Well SVE-	Volumetric Flow Rate	Influent	Midfluent	Effluent		
		in W.C.	in W.C.	(°F)	<°F)	fpm	scfm	ppmv	ppmv	ppmv	in W.C.	fpm
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Legend: "-" indicates no measurement taken
in W.C. = inches of water column
°F = degrees Farenheit
fpm = feet per minute
scfm = standard cubic feet per minute

& C-.^0^^ £tj£ε^f_f

Notes: *SVE-1* *0.0* *0.5:45 pm*
-2 *0.03* 4.50* *2.85"*
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Table
Sheet 3 of JL
Viacom, Inc/Former Horseheads, NY Facility
Extraction Wellhead Data - AS/SVE System Initial Testing Program

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Date	Time	Vacuum at Extraction Well SVE-,3	Vacuum at blower Inlet	Air Temperature*		Extraction Air Flow Rate (4" Pipe)		Excracted Soil Gas VOC Concentration			Effluent Pressure (before GAC)	Effluent Flow Rat
				at Blower Inlet	at Blower Outlet	Velocity at Extraction Well SVE- a.	Volumetric Flow Rate	Influent	Mldfluent	Effluent		
		in W.C.	In W.C.	(°F)	(°F)	fpm	scfm	ppmv	ppmv	ppmv	in W.C.	fpm
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Legend: "-" indicates no measurement taken

in W.C. = inches of water column

°F = degrees Farenheit

fpm = feet per minute

scfm = standard cubic feet per minute

Notes:

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Table
Sheet J of 3
Viacom, Inc/Former Horseheads, NY Facility
Extraction Wellhead Data - AS/SVE System Initial Testing Program

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Date	Time	Vacuum at Extraction Well SVE-J_	Vacuum at blower Inlet	Air Temperature		Extraction Air Flow Rate {4" Pipe)		Exctracted Soil Gas VOC Concentration			Effluent Pressure (before GAC)	Effluent Flow Rat
				at Blower Inlet	at Blower Outlet	Velocity at Extraction Well SVE-3	Volumetric Flow Rate	Influent	Midfluent	Effluent		
		in W.C.	in W.C.	°F)	°F)	fpm	scfm	ppmv	ppmv	ppmv	in W.C.	fpm
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Legend: •'-'' indicates no measurement taken
in W.C. = inches of water column
°F = degrees Farenheit
fpm = feet per minute
scfm = standard cubic feet per minute

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Table
Sheet 3 of 3
Viacom, Inc/Former Horseheads, NY Facility
Extraction Wellhead Data - AS/SVE System Initial Testing Program

Date	Time	Vacuum at Extraction Well SVE - ^	Vacuum at blower Inlet	Air Temperature		Extraction Air Flow Rate (4" Pipe)		Excracted Soil Gas VOC Concentration			Effluent Pressure (before GAC)	Effluent Flow Rat
				at Blower Inlet	at Blower Outlet	Velocity at Extraction Well SVE -- /	Volumetric Flow Rate	Influent	Midfluent	Effluent		
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Legend: "-" indicates no measurement taken
in W.C. = inches of water column
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fpm = feet per minute
scfm = standard cubic feet per minute

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Viacom, Inc./Former Horseheads, NY Facility

Extraction Wellhead Data - AS/SVE System Initial Testing Program

Date	Time	Vacuum at Extraction Well	Vacuum at blower Inlet	Air Temperature		Extraction Air Flow Rate (4" Pipe)		Excracted Soil Gas VOC Concentration			Effluent Pressure (before 6AC)	Effluent Flow Rat	
		SVE- /		at Blower Inlet	at Blower Outlet	Velocity at Extraction Well	Volumetric Flow Rate	Influent	Midfluent	Effluent			
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Legend:

" - " indicates no measurement taken

in W.C. = inches of water column

°F = degrees Farenheit

fpm = feet per minute

scfm = standard cubic feet per minute

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Notes:

Table. /
 Sheet JL of ¥
 Viacom, Ihc/Former Horseheads, NY Facility
 Extraction Wellhead Data - AS/SVE System Initial Testing Program

	Date	Time	Vacuum at Extraction Well SVE- &	Vacuum at blower Inlet	Air Temperature		Extraction Air Flow Rate (4 ^N Pipe)		Excracted Soil Gas VOC Concentration			Effluent Pressure (before GAC)	Effluent Flow Rat	(& ftt>t) (£***&,)
			inW.C.	inW.C.	at Blower Inlet	at Blower Outlet	Velocity at Extraction Well S V E - *	Volumetric Flow Rate	Influent	Midfluent	Effluent	inW.C.	fpm	
					(°F)	<°F)	fpm	scfm	ppmv	ppmv	ppmv			
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	+	3:30;*	3. 7	/<?			soOO							

Legend: "-" indicates no measurement taken 'fj^, A*4tsv6 <^P-
 in W.C. = inches of water column /a'&/ &o'£
 °F = degrees Farenheit
 fpm = feet per minute 7 . J a/** £ ' V^"
 scfm = standard cubic feet per minute

Notes:

Table
Sheet J of y
Viacom, Inc/Former Horseheads, NY Facility
Extraction Wellhead Data - AS/SVE System Initial Testing Program

Date	Time	Vacuum at Extraction Well SVE- 3	Vacuum at blower Inlet	Air Temperature		Extraction Air Flow Rate (4" Pipe)		Excracted Soil Gas VOC Concentration			Effluent Pressure (before GAC)	Effluent Flow Rat
		inW.C.	in W.C.	at Blower Inlet	at Blower Outlet	Velocity at Extraction Well SVE-3	Volumetric Flow Rate	Influent	Midfluent	Effluent	in W.C.	fpm
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Legend: "-" indicates no measurement taken
in W.C. = inches of water column
°F = degrees Farenheit
fpm = feet per minute
scfm = standard cubic feet per minute

Notes:

Table £
Sheet 9? of <f
Viacom, Inc/Former Horseheads, NY Facility
Extraction Wellhead Data - AS/SVE System Initial Testing Program

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Date	Time	Vacuum at Extraction Well SVE-j/	Vacuum at blower Inlet	Air Temperature		Extraction Air Flow Rate (4" Pipe)		Excracted Soil Gas VOC Concentration			Effluent Pressure (before GAC)	Effluent Flow Rat	MAC**** CM. #*O)
		inW.C.	inW.C.	at Blower Intet <°F)	at Blower Outlet <°F)	Velocity at Extraction Well S V E - ^ fpm	Volumetric Flow Rate scfm	Influent ppmv	Midfluent ppmv	Effluent ppmv	inW.C.	fpm	
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rs	fg> :\$00*u	3 0 ^	3.D	£</	III	<SJ?<?		0.9	0. 3	0.3	33		3 JL
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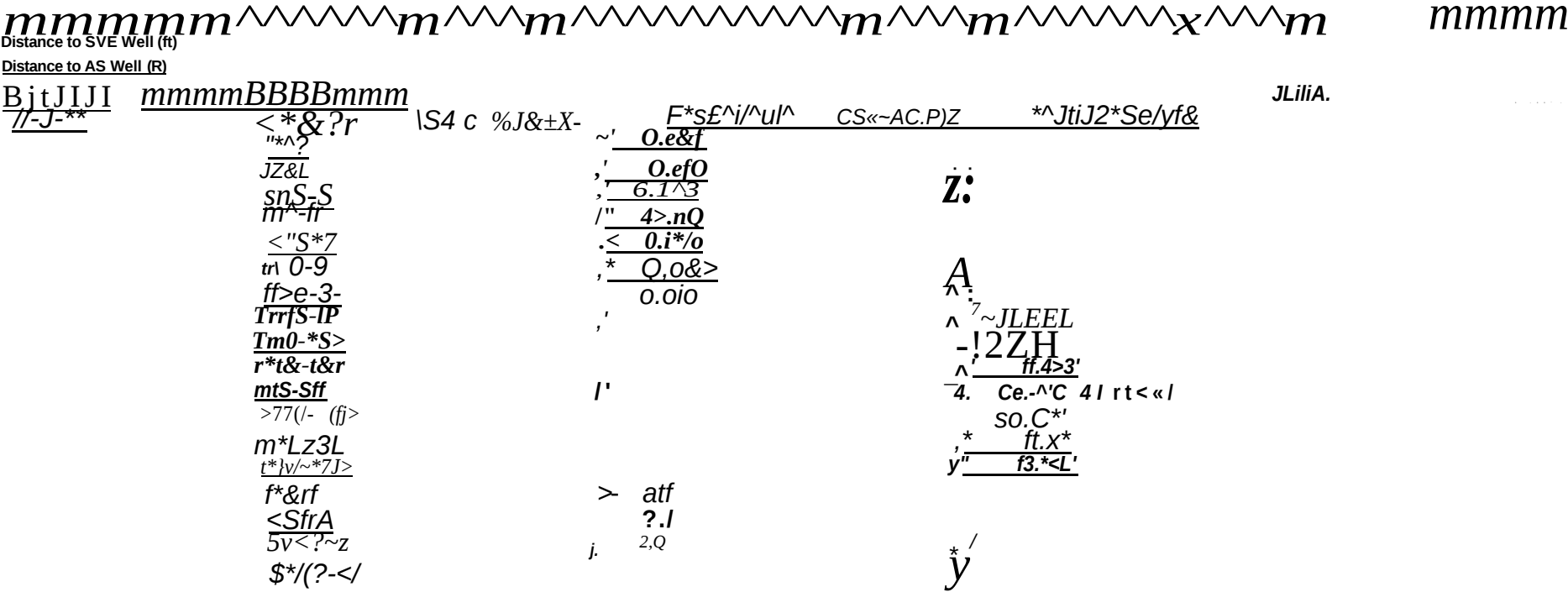
Legend: "- " indicates no measurement taken
 in W.C. = inches of water column
 °F = degrees Farenheit
 fpm = feet per minute
 scfm - standard cubic feet per minute

Notes:

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TABLE *
Sheet of

AS/SVE System Initial Testing Program
Monitoring Point Data
Viacom, Inc./Former Horseheads, NY Facility



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AS/SVE System Initial Testing Program
Monitoring Point Data
Viacom, Inc./Former Horseheads, NY Facility

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Distance to SVE Well (1)									
Distance to AS Well (ft)									
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/ / L^ Z / / / / - />* v*c**j*~ »<S<A»ftrfw ' ffcAc^y. 9 5 ^q- V»C, C^rse^, £r*€+ >t &''' f ~yt> T-&LS *<wr. ref>***c									
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ft-l-va 7-V-6 5.3 J-? -?..* «2?,^ Vooo /Virt» lfcW<? 3**3. * •/.£ ^JL A/ 5 / ' /AS" ^ . * f r ^ f y A c f i j									
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3 . ' ^P/psi ^A< /GJQ •*& Zk\s_£: <*, 0/*r 33 3 ^ 2^ 3&.Q/ tooo /000 /000 >S-00S A 1 0.£> C./> J&. ML //?" 37.0 t 3.3.2.									
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A Member of The rT Group

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Chkd. By____Date_____ds/ffZ <J***-€-£SA>____Proj. No.____^'SS'9*____
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IT CORPORATION

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Chkd. By _____ **Date.** _____ *rf</kiSg S&i-t-efa* _____ **Proj. No.** 1/SZ96
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A Member of The IT Group

By DRJ Date 11-9-00 Subject Viacom - Kentucky Ave. Sheet No. 3 of 6
Chkd. By _____ Date _____ AS/SVE Start-Up Proj. No. 811595

.25 in. X .25 in.

SVE-1			SVE-2			SVE-3			SVE-4			Total	Temp (F)	
Velocity (fpm)	Vacuum (in. H ₂ O)		Velocity (fpm)	Vacuum (in. H ₂ O)		Velocity (fpm)	Vacuum (in. H ₂ O)		Velocity (fpm)	Vacuum (in. H ₂ O)		Vacuum (in. H ₂ O)	Inlet	Outlet
Start														
1000	2.7		1000	3.3		1000	2.3		320 ⁰	17.0		18.0	59.6	113.6
Throttle back bleed air to reduce back pressure on GAC														
1000	3.2		1000	3.4		1000	2.5		330	20.0		20.0	61.4	117.0
Start sponge well AS-D2 @ 50% design flow (60 scfh) of 1 scfm														
Shut system down; vac. relief valve on top of moisture canister fell apart into the canister														
Start system backup														
1000	3.3		1000	3.6		1000	2.5		350	19.0		22.0	60.5	116.3
Start sponge system backup up and adjust AS-D3 to 50% design flow (60 scfh)														
Increase sponge flow in AS-D3 to 75 scfh (15 scfh increase)														
1000	3.4		1000	3.4		1000	2.5		370	18.0		22.0	62.7	122.0
Increase sponge flow in AS-D1 to 90 scfh (15 scfh increase)														
1000	3.3		1000	3.6		1000	2.4		400	17.5		23.0	63.5	123.3
Increase sponge flow in AS-D3 to 105 scfh (15 scfh increase)														
1000	3.4		1000	3.6		1000	2.4		400	22.5		23.0	63.5	123.3
Increase sponge flow in AS-D1 to 120 scfh (Design flow)														
1000	3.4		1000	3.4		1000	2.4		370	23.0		24.0	63.0	123.1
1000	3.5			3.4			2.5			23.0		24.0	63.7	123.5
Shut AS/SVE system down.														

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AS/SVE System Initial Testing Program
Monitoring Point Data
Viacom, Inc./Former Horseheads, NY Facility

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Distance to AS WMI (ft)

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Sheet No. -2_of_£L

Chkd. By Date tfs/\$^/£ S-f^C-tf/*

Proj. No. ^2^i£
.25in. X.25in.

Time	Extracted Soil Gas VOC Concentration (ppmv)		Extracted Soil Gas Helium Conc. (%)	Air Sparge Injection		
	Influent	Effluent		Flow Rate @ AS-4 (scfh)	Pressure @ AS-4 (psig)	
10:05 am	Start SVE system					23.5
10:20 am						
10:45 am	4.8	1.1	0.6			
11:15 am	Start AS System: AS-4 @ 50% design flow			60	3.50	NH
11:25 am						
11:55 am	Increase Sparge Flow to AS-4			75	3.50	NH
12:00 pm						
12:39 pm	Increase Sparge Flow to AS-4			90	3.55	NH
12:45 pm						
1:18 pm	Increase Sparge Flow to AS-4			105	3.58	NH
	Increase Sparge Flow to AS-4			120	3.60	NH
2.3	1.2	0.9				
Take VOC, GW, and DO rds.						
2.2	1.2	1.0				
Shut system down						

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By JytsC Date /E-/E> - E>0 Subject ^ftf*^ ~ £6->-£j**£rrf^- X-^g, Sheet No. 7 of £"
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Viacom, Inc./Former Horseheads. NY Facility

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Distance to AS Wen (1)									
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.25 in. X .25 in.

Time	SVE-1		SVE-2		SVE-3		SVE-4		Total	Blower Temp.	
	Velocity (fpm)	Vacuum (in. H ₂ O)	Velocity (fpm)	Vacuum (in. H ₂ O)	Velocity (fpm)	Vacuum (in. H ₂ O)	Velocity (fpm)	Vacuum (in. H ₂ O)		Inlet (°F)	Outlet (°F)
2:25 pm	Start SVE system	3.6	1000	4.0	1000	2.9	320	23.0	23.0	50.6	104.2
2:35 pm	1000										
3:00 pm											
3:30 pm	Start AS system: Adjust sponge air to 60 scfh (50% design flow) to AS-2										
3:45 pm	1000	3.5	1000	4.2	1000	2.9	320	22.0	22.5	53.5	111.1
4:15 pm	Increase flow to AS-2 by 15 scfh to 75 scfh										
4:25 pm	1000	3.5	1000	4.2	1000	2.8	340	21.5	22.5	55.8	113.9
4:55 pm	Increase flow to AS-2 by 15 scfh to 90 scfh										
5:05 pm	1000	3.6	1000	4.0	1000	2.9	350	21.5	22.5	57.1	115.2
5:35 pm	Increase flow to AS-2 by 15 scfh to 105 scfh										
5:45 pm	1000	3.6	1000	4.0	1000	2.8	350	21.5	22.0	58.5	115.7
6:15 pm	Increase flow to AS-2 by 15 scfh to 120 scfh (design flow)										
6:25 pm	1000	3.6	1000	4.0	1000	2.8	360	21.5	22.5	58.7	119.0
6:50 pm											
8:00 pm	Collect VOC, DO, and GN level rds.										
9:00 pm	Shut system down										
11-14-00											
10:00 am	Start SVE system										
10:15 am	1000	3.6	1000	4.2	1000	2.8	350	22.0	23.0	53.8	109.2
10:30 am	Start AS system: Set AS-2 to 120 scfh										
10:50 am	Start adding Helium to system @ 60 scfh										
11:00 am	Take Helium Rds. @ Hand Incompletes, monitoring work, and Blower Efficiency										
12:05 pm	Take Helium Rds.										
12:20 pm	Shut through I whole tank of helium and shut AS system down. See pg for details AS-2.										



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AS/SVE System Initial Testing Program
Monitoring Point Data
Viacom, Inc./Former Horseheads, NY Facility

Distance to SVE Wall (ft)
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FT CORPORATION
A Member of The FT Group

By ZJ&Z HatP H'/f^&c Suhjact t/%ag^v-?- ^n -f<*<yEL- &' '*•• S/€& flhppt No. -^ nf__£1

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IT CORPORATION

A Member of TTteTT Group

Date //-'</-QO Suhjprt y/a-e^*- tti^utc^y j4<re. S. <fc Sheet No. ^ nf ^

Chkd. By. Date #s/<rvE S6* rIT-cSj* Proj. No. <&||f<r4

25 in. X .25 in.

SVE-1		SVE-2		SVE-3		SVE-4		Total	Blower Temp.	
Velocity (fpm)	Vacuum (in. H ₂ O)	Velocity (fpm)	Vacuum (in. H ₂ O)	Velocity (fpm)	Vacuum (in. H ₂ O)	Velocity (fpm)	Vacuum (in. H ₂ O)	Vac. (in. H ₂ O)	Inlet (°F)	Outlet (°F)
Start SVE System										
1000	3.6	1000	4.2	1000	2.9	330	22.0	23.0	53.8	108.2
Start AS System: Set AS-2 to 120 scfh										
Start adding Helium to sparge system										
Take Helium Conc. rdgs.										
Take Helium Conc. rdgs.										
Start down AS system, went through I tank and helium in apparatus. I Air. Continue SVE										
1000	3.6	1000	4.0	1000	2.8	370	21.5	22.5	57.2	118.3
Start AS System: Adjust sparge air to 60 scfh (50% design flow) AS-8										
Increase flow to AS-8 by 15 scfh to 75 scfh										
1000	3.6	1000	4.0	1000	2.9	380	21.5	22.5	58.0	117.2
Increase flow to AS-8 by 15 scfh to 90 scfh										
1000	3.6	1000	4.0	1000	2.8	380	21.5	23.0	59.1	118.6
Increase flow to AS-8 by 15 scfh to 105 scfh										
1000	3.7	1000	4.0	1000	2.9	380	21.5	23.0	57.1	118.6
Increase flow to AS-8 by 15 scfh to 120 scfh										
1000	3.6	1000	4.0	1000	2.9	380	21.5	22.5	57.4	117.4
Take Vac, DO, and Colored rdgs. Go to Engine Gas to get more Helium.										
Start AS/SVE System down										
Start SVE System										
1000	3.6	1000	4.0	1000	2.9	340	22.0	23.0	49.6	104.8
system: Set AS-8 to 120 scfh (design flow)										
Helium to sparge line @ 60 scfh										
sure = 13 psi Helium pressure = 20 psi										
I tank 0.004										

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IT CORPORATION
A Menthaf of The IT Group



By fit&f . Date_ ^ . Subject f/'^^>^ - i ^ ^ T ^ ^ ^ . Ss'Ifc. , Sheet No. 3 of 5^
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AS/SVE System Initial Testing Program
Monitoring Point Data
Viacom, Inc./Former Horseheads, NY Facility

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Distance to AS Wed (ft)											
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IT CORPORATION
A Member of The IT Group

By DRZ Date //-/&~<S>t>ftnhjertl/fan^r-j ^ ^ / / ^V^ . 5/-<?c Sheet Nn -£ nf .

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IT CORPORATION
A Member of The TT Group



By JJ^f_____Date //V^ - ^ Subject KW*^i - ^ . ^ g ^ / 4 / g . c,t£, Rh»»t NO.____=2 of €
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Start up system: Yes AS-1
Add helium to sample system
Take He. rdgs.
Take He. rdgs. (1/2 tank to 1/4)
Take He. rdgs. (very close to 1/4)
I am out of helium, stop testing**

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A Member of The IT Group

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IT CORPORATION
A Afemim of The IT Group

Ry j0/?°? Date //-'6-6Q Subject C^ar^i - Ke*x4t*tKy dise.. \$/€e. Sheet Nn -^ of 5^

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IT CORPORATION
A Mantra of The IT Group

Ry J/AM Date 2/1/04 Subject (A*f A>vi - Efg-tuoE-y ds^, 5/ tf&

Sheet No 5 of J>I

Chkd. By Date *?f/<v/? 5-E«r-6-c/#

Proj. Nn %//&E

25 in. X 25 in.

Time	Extracted Soil Gas VOC Concentration (ppmv)		Extracted Soil Gas Helium Conc. (%)	Air Sparge Injection		Helium Inj. Flow Rate @ AS-6 (scfm)	Effluent Pressure Before GAC (in. H ₂ O)
	Influent	Midfluent Effluent		Flow Rate @ AS-6 (scfh)	Pressure @ AS-6 (psig)		
9:35am	Start SVE system.						
9:50am							24.5
10:05am	Start AS system: Set AS-7 to 120 scfh			120	5.6	1 (60 scfh)	
10:20am	Add helium to sparge system @ 60 scfh					1	
10:30am	Take helium conc. rdgs. (1 tank left) 0.02			140 (air+He)	5.0	1	
11:00am	Take helium conc. rdgs. 0.05			140 (air+He)	5.0	1	
11:30am	Take helium conc. rdgs. 0.05			135 (air+He)	4.9	1	
11:45am	Tank ran out of helium - STOP testing AS-7.						
11:55am	Shut down AS-7 and open sparge air to AS-6 to 50% design flow (60 scfh)			60	3.5		25.5
12:15pm							
12:53pm	Increase sparge flow to AS-6 by 15 scfh			75	3.5		25.0
1:00pm							
1:28pm	Increase sparge flow to AS-6 by 15 scfh			90	3.55		25.0
1:29pm							
1:56pm	Increase sparge flow to AS-6 by 15 scfh			105	3.55		24.5
2:00pm							
2:26pm	Increase sparge flow to AS-6 by 15 scfh			120	3.55		24.0
2:30pm							
3:05pm	Start taking DO and G/L level rdgs. @ monitoring wells						
3:15pm	4.1	2.1	1.3				
4:40pm				120	3.55		25.0
5:05pm	Add helium to sparge system					1 (60 scfh)	
5:15pm	Take helium conc. rdgs. 0.06			120	3.50	1	
5:45pm	Take helium conc. rdgs. (5 tanks) 0.06			120	3.50	1	
6:15pm	Take helium conc. rdgs. (nearly mt) 0.08			120	3.50	1	
6:35pm	Shut down AS/SVE system						



IT CORPORATION
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Ry jt#Z? Date 4S-/&-0Q Siihjer.t VZ/&-Car^~ ^ ^ /u. C&ss /9s^ Si jfrs- Sheet No ^ Of 3
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TABLE _____
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AS/SVE System Initial Testing Program
Monitoring Point Data
Viacom, Inc./Former Horseheads, NY Facility

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Distance to AS Well (ft)
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(T CORPORATION
A Member of 7V IT Group

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.25 in. X .25 in.

SVE-1	SVE-2		SVE-3		SVE-4		Total	Blower Temp.	
	Velocity (fpm)	Vacuum (in. H ₂ O)	Velocity (fpm)	Vacuum (in. H ₂ O)	Velocity (fpm)	Vacuum (in. H ₂ O)		Inlet (°F)	Outlet (°F)
Start SVE system									
1000	3.9	1000	4.4	3.2	1000	3.2	19.5	50.0	104.2
* Start AS system: Open sparge air to AS-5 and adjust flow to 50% design									
1000	3.7	1000	4.7	3.2	1000	3.2	18.0	53.1	108.9
Increase sparge flow to AS-5 by 15 scfh to 75 scfh									
1000	3.7	1000	4.6	3.2	1000	3.2	18.0	56.0	110.9
Increase sparge flow to AS-5 by 15 scfh to 90 scfh									
1000	3.7	1000	4.6	3.3	1000	3.3	18.0	56.5	112.5
Increase sparge flow to AS-5 by 15 scfh to 105 scfh									
1000	3.7	1000	4.6	3.3	1000	3.3	18.0	58.3	116.1
Increase sparge flow to AS-5 by 15 scfh to 120 scfh									
1000	3.7	1000	4.6	3.3	1000	3.3	18.0	55.1	113.2
Start taking gas level and DO rdgs @ monitoring wells									
Start taking VOC rdgs. @ carbon, monitoring wells, and landfllion points									
1000	3.9	1000	4.6	3.3	1000	3.3	18.0	55.8	112.9
Add helium to sparge system @ 60 scfh (1 scfm)									
Take helium conc. rdgs.									
Take helium conc. rdgs. (1 tank left)									
Take helium conc. rdgs. (nearly empty)									
Shut down AS/SVE system									

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Extracted Soil/Gas VOC Concentration (ppmv)	Influent	Midpoint Effluent
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TABLE_____

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AS/SVE System Initial Testing Program

Monitoring Point Data

Viacom, Inc./Former Horseheads, NY Facility

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Time	Extracted Soil/Gas VOC Concentration (ppmv)		Extracted Soil Gas Helium Conc. (%)	Air Sparge Injection		Helium Inj. Flow Rate @ AS-3 (scfm)	Effluent Pressure Before GAC (in. H ₂ O)
	Influent	Midfluent Effluent		Flow Rate @ AS-3 (scfh)	Pressure @ AS-3 (psig)		
9:10am	Start SVE system						
9:45am	0.5	0.0	0.0				25.5
10:17am	Start AS system; see AS-3 to 50% design			60	1.25		
10:46am	Increase sparge air 15 scfh to AS-3			75	1.80		25.5
11:10am							
11:38am	Increase sparge air 15 scfh to AS-3			90	3.0		25.2
11:50am							
12:15pm	Increase sparge air 15 scfh to AS-3			105	4.3		25.3
12:30pm							
1:05pm	Increase sparge air 15 scfh to AS-3			120	3.8		25.3
1:10pm							
1:45pm	Start taking GW level and DO rdgs.						
1:55pm	0.9	0.0	0.0				
3:08 pm	Add helium to sparge system @ 1 scfm					1 (60scfh)	
3:16 pm	Take helium conc. rdgs.		0.32	120	3.6		
3:45 pm	Take helium conc. rdgs. (flank left)		0.70	120	3.6		
4:15 pm	Take helium conc. rdgs. (nearby empty)		0.75				
4:30pm	Shut down AS-3 and open AS-4 to design			Flow (120 scfh)			
4:35pm				120	3.4		24.9
4:42pm	Add helium to sparge air @ 1 scfm			120	3.4	1 (60scfh)	
4:50pm	Take helium conc. rdgs. (flank)		0.17	120	3.4		
5:00pm	Take helium conc. rdgs. (1/2 tank)		0.16	120	3.4		
5:50 pm	Take helium conc. rdgs. (nearly mt)		0.26	120	3.4		
6:05pm	Shut AS/SVE system down						



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TABLE
Sheet 8 of 8

AS/SVE System Initial Testing Program
Monitoring Point Data
Viacom, Inc/Former Horaeheads, NY Facility

T±j6*4 rff-3

Well Designation											Comments
Distance to SVE Well (ft)											
Distance to AS Well (ft)											
PARAMETER											
Location	Induced Vacuum (in. H ₂ O)					VOC's (ppmv)		H ₂ Gas Conc. (%)			
SVE-1	3.1	3.1	3.0	3.0	3.1						
SVE-2	3.9	3.9	3.9	3.9	3.9						
SVE-3	2.3	2.3	2.1	2.1	2.3						
SVE-4	18.5	19.0	19.0	18.5	19.0						
TMP-1D						0.0		0.00	0.02	0.00	
TMP-1SAT						0.0		0.26	0.25	0.25	
TMP-2D						0.0		0.00	0.00	0.00	
TMP-115						0.0		0.00	0.00	0.00	
TMP-11D						0.0		0.00	0.00	0.00	
MP-5	0.145	0.145	0.145	0.150	0.150	4.1		0.01	0.00	0.00	
MP-7	0.130	0.130	0.140	0.140	0.135	0.0		0.00	0.01	0.00	
MP-8	0.160	0.170	0.170	0.160	0.160	0.0		0.00	0.00	0.00	
MP-9	0.100	0.110	0.105	0.110	0.105	0.0		0.00	0.00	0.00	
Time	10:30 am	11:25 am	12:00 pm	12:42 pm	1:25 pm	2:20 pm	3:16 pm	3:45 pm	4:15 pm		
Notes:	@60scfh @75scfh @90scfh @105scfh @120scfh										

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AS/SVE System Initial Testing Program

Monitoring Point Data

Viacom, Inc./Former Horseheads, NY Facility

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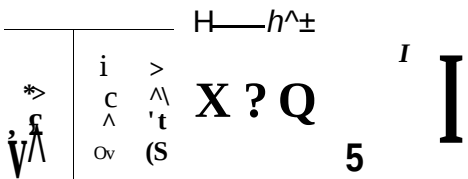
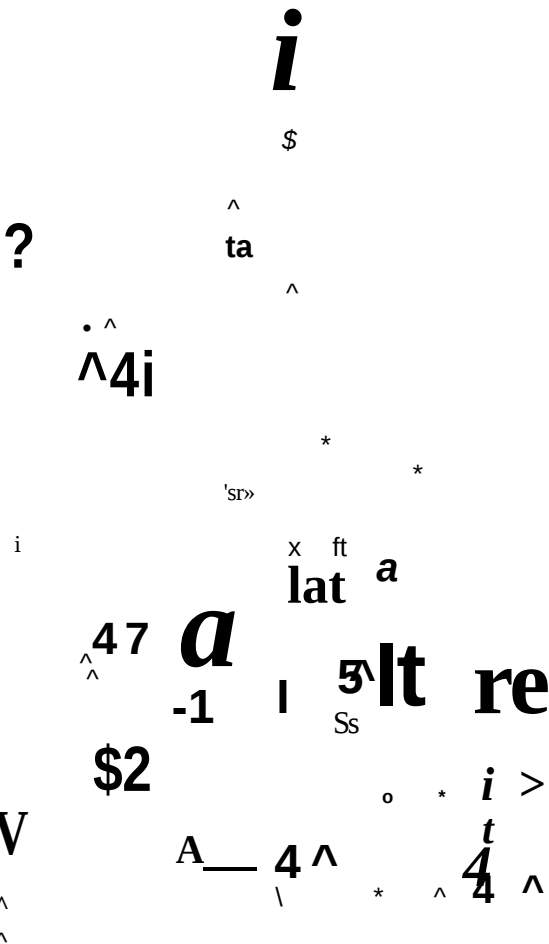
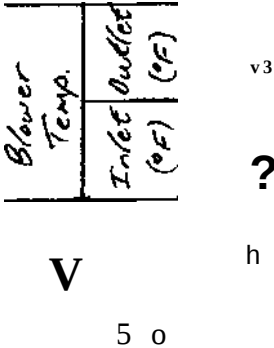
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AS/SVE System Initial Testing Program
Monitoring Point Data

Viacom, Inc./Former Horseheads, NY Facility

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Air Sparge Injection	Pressure
Flow Rate	AS-ID
AS-ID	(psig)
(scfh)	

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Extracted Soil Gas VOC	Concentration (ppmv)
Influent	Midfluent Effluent

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Air Sparge Injection

	AS-2	AS-3	AS-4	AS-5	AS-6	AS-7	AS-8	AS-9
Time	Flow Rate (scfh)	Flow Rate (scfh)	Flow Rate (scfh)	Flow Rate (scfh)	Flow Rate (scfh)	Flow Rate (scfh)	Flow Rate (scfh)	Flow Rate (scfh)
12:10pm	Start SVS system							
12:50pm								
1:35pm	Start AS system. Test all 9 wells simultaneously, starting @ 50% design flow							
1:50pm	60 3.7 60 1.1 60 3.35 60 0.1 60 3.45 60 3.3 60 0.2 60 3.55							
2:10pm	Increase sparge air to all AS wells 15scfh							
2:25pm	75 3.7 75 1.65 75 3.35 75 0.2 75 3.4 75 3.25 75 0.2 75 3.55							
3:00pm	Increase sparge air to all AS wells 15scfh							
3:10pm	90 3.7 90 2.7 90 3.30 90 0.3 90 3.4 90 3.3 90 0.4 90 3.55							
3:45pm	Increase sparge air to all AS wells 15scfh							
3: am	105 3.7 105 3.3 105 3.3 105 0.5 105 3.4 105 3.3 105 0.6 105 3.55							
4: am	Increase sparge air to all AS wells 15scfh							
5: am	120 3.7 120 3.8 120 3.35 120 0.7 120 3.45 120 3.3 120 0.8 120 3.60							
6: am	Begin taking GW level and DO rdgs at monitoring wells							
7: am	Begin taking VOC rdgs at carbons, monitoring wells, and hand-driven points							
8: am	down AS/SVE system							

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TABLE _____
Sheet ____ & of ____ &

AS/SVE System Initial Teating Program
Monitoring Point Data
Viacom, Inc./Former Horeeheads, NY Facility

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Well Designation									
Distance to SVE Well (ft)									
Distance to AS Well (ft)									
PARAMETER									
Location	Induced Vacuum (in. H ₂ O)					POC ₂ (ppmv)			
SVE-1	3.0	2.9	2.8	2.9	2.7				
SVE-2	3.5	3.5	3.5	3.7	3.5				
SVE-3	2.2	2.1	2.0	2.0	2.0				

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Blower Temp.	Inlet	Outlet
	(°F)	(°F)
Total	Vac.	(in. H ₂ O)
SVE-4	Vacuum	(in. H ₂ O)
	Velocity	(fpm)

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Air Sparge Injection

Time	AS-2		AS-3		AS-4		AS-5		AS-6		AS-7		AS-8		AS-9	
	Flow Rate (scfh) (psig)	Press. (psig)	Flow Rate (scfh) (psig)	Press. (psig)	Flow Rate (scfh) (psig)	Press. (psig)	Flow Rate (scfh) (psig)	Press. (psig)	Flow Rate (scfh) (psig)	Press. (psig)	Flow Rate (scfh) (psig)	Press. (psig)	Flow Rate (scfh) (psig)	Press. (psig)	Flow Rate (scfh) (psig)	Press. (psig)
8:00am	Start SVE system															
8:50am																
9:55am	Start AS system. All sparge wells are open to design flow (120 scfh)															
9:20am	120	3.75	120	3.75	120	3.40	120	0.70	120	3.50	120	3.60	120	0.75	120	3.60
9:35am																
9:52am	Add helium to AS system @ 150 fpm															
10:17am	120	3.75	120	3.60	120	3.35	120	0.70	120	3.45	120	3.40	120	0.80	120	3.55
10:02am	Take helium conc. rdgs. (nearly full tank)															
10:36am	Take helium conc. rdgs. ($\frac{1}{2}$ full tank)															
10:50am	120	3.70	120	3.55	120	3.35	120	0.70	120	3.45	120	3.35	120	0.80	120	3.55
11:08am	Take helium conc. rdgs. (nearly empty)															
11:20am	Ran out of helium on 1st tank															
11:23am	Put 2nd helium tank on line, adding helium to sparge air @ 150 fpm															
1:30am	Take helium conc. rdgs. (nearly full tank, 2nd)															
11:49am	120	3.70	120	3.40	120	3.35	120	0.70	120	3.45	120	3.30	120	0.80	120	3.55
12:04pm	Take helium conc. rdgs. ($\frac{1}{2}$ full tank, 2nd)															
12:15pm	120	3.70	120	3.35	120	3.35	120	0.70	120	3.45	120	3.30	120	0.80	120	3.55
12:36pm	Take helium conc. rdgs. (nearly empty, 2nd)															
2:00pm																
3:10pm	Collect air samples at manifold for 140 and 150 fpm.															
5:00pm	Shut AS/SVE system down.															

AS/SVE System Initial Testing Program
Monitoring Point Data
Viacom, Inc./Former Horseheads, NY Facility

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Well Designation											Comments
Distance to SVE Well (ft)											
Distance to AS Well (ft)											
Location		PARAMETER									
		Helium Concentration (%)									

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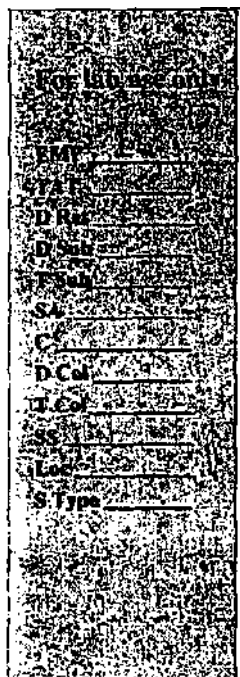
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Please provide sample information:

Sample Designation

(include location, employee.
Job function, date collected):

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See attached log sheet	Sampling time (minutes)	Flowrate (liters per minute)	Total volume (l)	Temp. (°C)	Almos. Press. (mm Hg)
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j Desired Turnaround Time Special Instructions:

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Special (added cost and prior
approval required)

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Date

Received @ Lab by

Date/Time



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A Member of The FT Group

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A Member of The rGroup

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Purged/Sampled By: Jeri Kibura

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COC for Groundwater Samples

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Possible Hazard Identification					Sample Disposal									
Cl Non-Hazard	D Flammable	Q Shin (m'tanf	D Poison B	Q Unknown	Pl Return	Tn C.lmt	tyQ	Dlnp^n't Ry l ah	(")	Arrh'i'i/n Fnr	Mnnr»x	(A lee may be assessed if samples are retained lnnqr than 1 m)/ftt/t*f		

Turn Around Time Required					QC Requirements (Specify)		
D 24 Hours	D 48 Hours	D 7 Days	• 14Da/s • 21 Days	Pl Clth*r			
1 Relinquished By		...:.- , /K-.U--'""	Date	Time	1. Received By	Date	Time
2 Relinquished By			Oa(e /	Time	2. Received By	Oate	Time
3 Relinquished By			Dale	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: Stays m'tfi (he Sample: CANARY • Retarded to Client with Report: PINK - Field Copy •

APPENDIX F

MASS REMOVAL CALCULATIONS

MASS REMOVAL CALCULATION - SVE WELLS ONLY

Date 11/07/00

	Velocity fpm	Flow Rate scfm	'Based on 4" diameter pipe.
SVE-1	1000	87	
SVE-2	1000	87	
SVE-3	1000	87	
SVE-4	370	32	
		294 scfm	

System Flow Rate 294 scfm

Anticipated Time of Operation 24 hrs

TCE ppm Concentration 0.720 ppm (ul/l)

Air Temperature 115 F 319.26 K

System Pressure (Vacuum) 28.0 in. w.c. 6967.5 Pa

ppm to mg/m3 conversion
(ideal Gas Law) 0.248 ppm (mg/m3)

$$C(\text{mg/m}^3) = C(\text{ul/l}) * \text{Mol wt} / (RT/P)$$

Molwt. TCE 131.39 g/mol

R 8.31451 Pa·m³/K·mol

RT/P 0.380982 m³/mol

1 l = 1000000 ul

1 g = 1000 mg

PID Reading (10.2 ev lamp) 1.90 ppmv

TCE Removal Rate 0.007 lbs/day

$$\text{Mass} = C(\text{mg/m}^3) * \text{Flow} * \text{Time Operation}$$

1 lb = 453600 mg

1 m³ = 35.315 ft³

1 hr = 60 min

Carbon Usage 0.044 lbs/day

Note: Assumed PID calibrated with TCE response factor.

MASS REMOVAL CALCULATION - FULL SYSTEM OPERATION

Date 11/28/00

	Velocity	"Flow Rate	"Based on 4" diameter pipe.
	fpm	scfm	
SVE-1	1000	87	
SVE-2	1000	87	
SVE-3	1000	87	
SVE-4	440	22	
		300 scfm	

System Flow Rate 300 scfm

Anticipated Time of Operation 24 hrs

TCE ppm Concentration 0.310 ppm(ul/l)

Air Temperature 110.3 F 316.65 K

System Pressure (Vacuum) 22.5 in. w.c. 5598.9 Pa

ppm to mg/m3 conversion (Ideal Gas Law) 0.087 ppm (mg/m3)

$C(\text{mg/m}^3) = C(\text{ul/l}) \times \frac{\text{Mol wt}}{RT/P}$
 Molwt. TCE 131.39 g/mol
 R 8.31451 Pa·m³/K·mol
 RT/P 0.47023337 m³/mol
 1 l = 1000000 ul
 1 g = 1000 mg

PID Reading (10.2 ev lamp) 3.20 ppmv

TCE Removal Rate 0.002 lbs/day

Mass = C(mg/m3) * Flow * Time Operation
 1 lb = 453600 mg
 1 m3 = 35.315 ft3
 1 hr = 60 min

Carbon Usage 0.016 lbs/day

Note: Assumed PID calibrated with TCE response factor.

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APPENDIX G

AS-COMPLETED SCHEDULE OF SVE/AS SYSTEM INSTALLATION

**KENTUCKY AVENUE WELLFIELD SITE
FORMER RUNOFF BASIN
HORSEHEADS, NEW YORK**

**As-completed Summary Schedule of SVE/AS System
Installation**

Remedial Construction Activity	Start Date	End Date
SVE/AS System Construction	08/17/00	10/25/00
SVE/AS Point Installation Subsurface Piping Building Slab Repair Asphalt Building Erection Equipment Installation Utilities and Hookup Equipment Troubleshooting j Repair SVE Wetls	08/21/00 08/23/00 09/06/00 09/11/00 09/12/00 09/18/00 09/25/00 10/18/00 i 0/23/00	08/25/00 09/01/00 09/08/00 09/12/00 09/15/00 10/06/00 09/13/00 10/20/00 10/25/00
Baseline' Air Monitoring	09/28/00.	10/12/00
Ambient Air Monitoring	09/28/00	ONGOING
System Startup and ITP	10/16/00	11/29/00
Remedial Construction Report	12/18/00	12/29/00

Notes: ¹•) Equipment Troubleshooting refers to removing the knockout ball from the cage of the moisture separator and reversing the leads on the air compressor.

2.) SVE wells (i.e. risers) were initially constructed with perforated pipe. This pipe was replaced with solid pipe.

3.) Fagan Engineers, PC will continue Ambient Air Monitoring.

4.) For specific dates related to Start-up and ITP activities, refer to Table 3-1.

APPENDIX H

**DATA VALIDATION FOR
GROUNDWATER SAMPLES**

RELEASE OF VALIDATED DATA

Project: CBS Horseheads
Date: December 27, 2000
Data Package: C0J180177
Reviewer: Richard McCracken

Validation was performed on the volatile analytical results for nine water samples collected at the CBS Horseheads Site. STL, Pittsburgh analyzed the samples using SW-846 Method 8260B. The data validation was performed in accordance with the USEPA National Functional Guidelines for Organic Data Review (October 1999), as applicable to SW-846 generated data. Samples in this SDG included:

<u>Field Sample ID</u>	<u>Lab Sample ID</u>	<u>Work Order Number</u>
MW-11D	C0J180177-1	DNCKQ
MW-11S	C0J180177-2	DNCKV
MW-7D	C0J180177-3	DNCKW
MW-7S	C0J180177-4	DNCKX
TMP-1D	C0J180177-5	DNCK2
TMP-2D	C0J180177-6	DNCK4
TMP-1-SAT	C0J180177-7	DNCK5
Trip Blank	CO J180177-8	DNCK6
Dup-1	C0J180177-9	DNCK7

VOLATILE ORGANICS

Method: SW-846 Method 8260B.

Samples: All samples.

Sample Custody: All chain-of-custody forms were properly completed. The samples were properly preserved when received by the laboratory.

Holding Time: All sample analyses met the 14 day hold time.

GC/MS Instrument Performance Check: Bromofluorobenzene (BFB) met the ion abundance criteria for all tunes. All samples were analyzed within 12 hours of BFB injection. No transcription errors were found.

Initial Calibrations: The initial calibration met the Calibration Check Compound (CCC) relative standard deviation criteria (<30%), and System Performance Check Compound (SPCC)

response factor criteria. Chloroethane had a %RSD > 15% - the lab chose the option of averaging the %RSDs for all compounds in the standard, which met the <15% criteria. All other target compounds met the %RSD < 15% criteria. The response factor and relative standard deviation for selected compounds were calculated, and no errors were found.

Continuing Calibrations: All continuing calibrations met the CCC percent difference (%D) criteria (<20.0%) and the SPCC minimum response factor criteria. All target compounds had %D < 20%. The response factor and percent difference for selected compounds were calculated and no errors were found.

Blanks: No target compounds were detected in the method blank or the trip blank (C0J180177-008).

Surrogates: All surrogate recoveries met percent recovery criteria.

Matrix Spike/Duplicate: The MS/MSD performed on sample C0J180177-6 met accuracy and precision criteria. The percent recovery and relative percent difference for selected compounds were calculated and no errors were found.

Field Duplicates: DUP-1 was a field duplicate of TMP-1-SAT. Trichloroethene was detected in both samples at an RPD of 5.7%, which met the <35% criteria.

Laboratory Control Sample: All spike recoveries met criteria. The percent recoveries for selected compounds were calculated and no errors were found.

Internal Standards: All internal standards met area and retention time criteria.

Compound Identification: The compounds identified by the laboratory were confirmed by mass spectral comparison and relative retention time.

Raw Data Review: The instrument raw data for selected instrument performance check, initial calibration, continuing calibration, matrix spike, laboratory control sample, relative retention time, and mass spectral comparisons were reviewed as detailed in the appropriate sections above. No errors were found.

Summary: The volatile results were acceptable as reported, with no data qualification.

IT CORPORATION - MONROEVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0J180177 001
 Method: SW846 8260B
 Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 10/18/00
 Work Order: DNCKQ1AA Date Extracted: 10/20/00
 Dilution factor: 1 Date Analyzed: 10/20/00
 Moisture %: NA

QC Batch: 0294159

Client Sample Id: MW-11D

Vf

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
71-43-2	Benzene	15.0	U
75-00-3	Chloroethane	Uo	U
1 75-35-4	1,1-Dichloroethene	15.0	U
I 156-59-2	cis-1,2-Dichloroethene	12.5	U
156-60-5	trans-1,2-Dichloroethene	12.5	U
79-01-6	Trichloroethene	15.0	U
75-01-4	Vinyl chloride	Uo	U

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IT CORPORATION - MONROEVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: CQJ180177 002

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 10/18/00

work Order: DNCKV1AA

Date Extracted: 10/20/00

Dilution factor: 1

Date Analyzed: 10/20/00

Moisture %: NA

QC Batch: 0294159

Client Sample Id: MW-11S

		CONCENTRATION UNITS:		
CAS NO.	COMPOUND	(uq/L or uq/Jcq)	uq/L	Q
1 71-43-2	Ben2ene	15.0		" j
1 75-00-3	Chloroethane	lio		U
I 75-35-4	1,1-Dichloroethene	15.0		U
156-59-2	cis-1,2-Dichloroethene	12.5		U
1 156-60-5	trans-1,2-Dichloroethene	12.5		* 1
1 79-01-6	Tricnloroethene	12.5		i j
75-01-4	Vinyl chloride	lio		U

FORM I

STL Pittsburgh

IT CORPORATION - MONROEVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number;

Matrix: (soil/water) WATER Lab Sample ID-.C0J180177 003
 Method: SW846 8260B
 Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 10/18/00
 Work Order: DNCKW1AA Date Extracted: 10/20/00
 Dilution factor: 1 Date Analyzed: 10/20/00
 Moisture %: NA

QC Batch: 0294159

Client Sample Id: MW-7D

CAS NO.		COMPOUND	CONCENTRATION UNITS: (Uq/L or uq/kg) uq/L	Q
1	71-43-2	Benzene	[5.0	u
	75-00-3	Chloroethane	110	u
1	75-35-4	1,1-Dichloroethene	15.0	u
I	156-59-2	cis-1,2-Dichloroethene	U.5	u
I	156-60-5	trans-1,2-Dichloroethene	12.5	u
	79-01-6	Trichloroethene	15.0	u
1	75-01-4	Vinyl chloride	HO	u

IT CORPORATION - MONROEVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix; {soil/water) WATER

Lab Sample ID; C0J180177 004

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 10/18/00

work Order: DNCKX1AA

Date Extracted: 10/20/00

Dilution factor: 1

Date Analyzed: 10/20/00

Moisture %: NA

QC Batch: 0294159

Client Sample Id: MW-7S

		CONCENTRATION UNITS:		
CAS NO.	COMPOUND	(uq/L or uq/kg)	uq/L	Q
1 71-43-2	Benzene	15.0		U
I 75-00-3	Chloroethane	110		U
1 75-35-4	1,1-Dichloroethene	15.0		U
I 156-59-2	cis-1,2-Dichloroethene	12.5		U
! 156-60-S	trans-1,2-Dichloroethene	U.5		U
I 79-01-6	Trichloroethene	14.9	J	1
I 75-01-4	vinyl chloride	HO		U

IT CORPORATION - MONROEVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0J180177 005
 Method: SW846 8260B
 Volatile Organics, GC/MS ;8260B)

Sample WT/Vol: 5 / mL Date Received: 10/18/00
 Work Order: DNCK21AA Date Extracted: 10/23/00
 Dilution factor: 1 Date Analyzed: 10/23/00
 Moisture *: NA

QC Batch: 0297349

Client Sample Id: TMP-1D

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/L	Q
1 71-43-2	Benzene	15.0	u
75-00-3	Chloroethane	110	u
I 75-35-4	1,1-Dichloroethene	15.0	u
156-59-2	cis-1,2-Dichloroethene	3.6	1
I 156-60-5	trans-1,2-Dichloroethene	12.5	u
1 79-01-6	Trichloroethene	164	1
75-01-4	Vinyl chloride	110	u

IT CORPORATION - MONROEVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0J180177 006
 Method: SW846 8260B
 Volatile Organics, GC/MS 8260B)

Sample WT/Vol: 5 / mL Date Received: 10/18/00
 Work Order: DNCK41AA Date Extracted: 10/20/00
 Dilution factor: 1 Date Analyzed: 10/20/00
 Moisture %: NA

QC Batch: 0294159

Client Sample Id: TMP-2D

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ucf/kg) ug/L	Q
1 108-88-3	Toluene	15.0	U
1 108-90-7	Chlorobenzene	15.0	U
1 71-43-2	Benzene	15.0	U
1 75-00-3	Chloroethane	110	U
1 75-35-4	1,1-Dichloroethene	15.0	U
I 156-59-2	cis-1,2-Dichloroethene	12.5	U
I 156-60-5	trans-1,2-Dichloroethene	12.5	U
1 79-01-6	Trichloroethene	15.0	U
1 75-01-4	Vinyl chloride	110	U

FORM I

IT CORPORATION - MONROEVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0J180177 007

Method: SW846 8260B
Volatile.Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 10/18/00

Work Order: DNCK51AA

Date Extracted: 10/20/00

Dilution factor: 1

Date Analyzed: 10/20/00

Moisture %: NA

QC Batch: 0294159

Client Sample Id: TMP-1-SAT

CAS NO.		COMPOUND	CONCENTRATION UNITS: (uq/L or uq/kg) uq/L		Q
1	71-43-2	Benzene	5.0		u
!	75-00-3	Chloroethane	HO		u
1	75-35-4	1,1-Dichloroethene	5.0		u
I	156-59-2	cis-1,2-Dichloroethene	12.5		u
1	156-60-5	trans-1,2-Dichloroethene	12.5		u
I	79-01-6	Trichloroethene	118		1
1	75-01-4	Vinyl chloride	110		u

IT CORPORATION - MONROEVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0J180177 009

Method: SW846 8260B

Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL

Date Received: 10/18/00

work Order: DNCK71AA

Date Extracted: 10/20/00

Dilution factor: 1

Date Analyzed: 10/20/00

Moisture %: NA

QC Batch: 0294159

Client Sample Id: DUP-1

CAS NO.		COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
1	71-43-2	Benzene	15.0	0
	75-00-3	Chloroethane	HO	u
I	75-35-4	1,1-Dichloroethene	15.0	u
	156-59-2	cis-1,2-Dichloroethene	12.5	u
	156-60-5	trans-1,2-Dichloroethene	12.5	u
I	79-01-6	Trichloroethene	117	1
1	75-01-4	vinyl chloride	UO	u

RELEASE OF VALIDATED DATA

Project: CBS Horseheads
Date: December 28, 2000
Data Package: COL06O146
Reviewer: Richard McCracken

Validation was performed on the volatile analytical results for seven water samples collected at the CBS Horseheads Site. STL, Pittsburgh analyzed the samples using SW-846 Method 8260B. The data validation was performed in accordance with the USEPA National Functional Guidelines for Organic Data Review (October 1999), as applicable to SW-846 generated data. Samples in this SDG included:

<u>Field Sample ID</u>	<u>Lab Sample ID</u>	<u>Work Order Number</u>
MW-11D	COL060146-1	DQWRN
TMP-1D	COL060146-2	DQWRX
TMP-1SAT	COL060146-3	DQWR1
TMP-2D	COL060146-4	DQWR6
MW-11S	COL060146-5	DQWTD
Blind Dup	COL060146-6	DQWTE
Trip Blank	COL060146-7	DQWTG

VOLATILE ORGANICS

Method: SW-846 Method 8260B.

Samples: All samples.

Sample Custody: All chain-of-custody forms were properly completed. The samples were properly preserved when received by the laboratory.

Holding Time: All sample analyses met the 14 day hold time.

GC/MS Instrument Performance Check: Bromofluorobenzene (BFB) met the ion abundance criteria for all tunes. All samples were analyzed within 12 hours of BFB injection. No transcription errors were found.

Initial Calibrations: The initial calibration met the Calibration Check Compound (CCC) relative standard deviation criteria (<30%), and System Performance Check Compound (SPCC) response factor criteria. All target compounds met the %RSD < 15% criteria. The response factor and relative standard deviation for selected compounds were calculated, and no errors were found.

Continuing Calibrations: All continuing calibrations met the CCC percent difference (%D) criteria (<20.0%) and the SPCC minimum response factor criteria. All target compounds had %D < 20%. The response factor and percent difference for selected compounds were calculated and no errors were found.

Blanks: No target compounds were detected in the method blank or the trip blank (CQL060146-008).

Surrogates: All surrogate recoveries met percent recovery criteria.

Matrix Spike/Duplicate: The MS/MSD performed on sample C0L060146-4 met accuracy and precision criteria. The percent recovery and relative percent difference for selected compounds were calculated and no errors were found.

Laboratory Control Sample: All spike recoveries met criteria. The percent recoveries for selected compounds were calculated and no errors were found.

Internal Standards: All internal standards met area and retention time criteria.

Compound Identification: The compounds identified by the laboratory were confirmed by mass spectral comparison and relative retention time.

Raw Data Review: The instrument raw data for selected instrument performance check, initial calibration, continuing calibration, matrix spike, laboratory control sample, relative retention time, and mass spectral comparisons were reviewed as detailed in the appropriate sections above. No errors were found.

Summary: The volatile results were acceptable as reported, with no data qualification.

IT GROUP

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: C0L060146 001

Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: S / mL

Date Received: 12/06/00

Work Order: DQWRN1AA

Date Extracted: 12/11/00

Dilution factor: 1

Date Analyzed: 12/11/00

Moisture %: NA

QC Batch: 0346423

Client Sample Id; MW-11D

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(uq/L or uq/kg)	uq/L
1 71-43-2	Benzene	15.0	u
I 75-00-3	Chloroethane	110	u
I 75-35-4	1,1-Dichloroethene	15.0	u
I 156-59-2	cis-1,2-Dichloroethene	12.5	u
I 156-60-5	trans-1,2-Dichloroethene	12.5	u
I 79-01-6	Trichloroethene	15.0	tr
I 75-01-4	Vinyl chloride	HO	ul

IT GROUP

Lab Name:Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) WATER

Lab Sample ID:C0L060146 006

Method: SW846 8260B

volatile Organics, GC/MS <8260B)

Sample WT/Vol: 5 / mL

Date Received: 12/06/00

Work Order: DQWTE1AA

Date Extracted:12/11/00

Dilution factor: 1

Date Analyzed: 12/11/00

Moisture %:NA

QC Batch: 0346423

Client Sample Id: BLIND DUP

CAS NO.		COMPOUND		CONCENTRATION UNITS: (uq/L or uq/kg) uq/L		Q	
1	71-43-2		Benzene		5.0		U
1	75-00-3		Chloroethane		110		*U
1	75-35-4		1,1-Dichloroethene		15.0		U
1	156-59-2		cis-1,2-Dichloroethene		12.5		U
1	156-60-5		trans-1,2-Dichloroethene		12.5		U
I	79-01-6		Trichloroethene		2.4	J	1
1	75-01-4		Vinyl chloride		10		U