



**Groundwater
& Environmental Services, Inc.**

495 Aero Drive, Suite 3 • Cheektowaga, New York 14225 • TEL (800) 287-7857 • Fax (716) 708-0078

RECEIVED

AUG 05 2013

REMEDIAL BUREAU E

July 31, 2013

Mr. Michael Mason
NYSDEC – Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7017

**Re: Construction Completion Summary
Area 4 - Streambank Soils Removal and Bank Stabilization
Depew Landfill
Village of Depew
Erie County, New York
NYSDEC Site Number 9-15-105**

Dear Mr. Mason

Please find the enclosed *Construction Completion Summary*, which was prepared by Groundwater & Environmental Services, Inc. (GES) for New York State Department of Environmental Conservation (NYDEC). This *Construction Completion Summary* describes the scope of work executed as outlined in the *Construction Workplan* submitted by GES on October 4, 2011, and *Final Project Manual*, dated September 2011, prepared by Ecology & Environment Engineering, P.C. for NYDEC.

If you have any questions, please contact GES at (800) 287-7857 at your convenience.

Sincerely,

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

Nicole Jarzyniecki FOR:

Nicole Jarzyniecki
Staff Hydrogeologist

Eric D. Popken
Project Manager

Enclosure:

RECEIVED

AUG 05 2013

REMEDIAL BUREAU E

CONSTRUCTION COMPLETION SUMMARY

Prepared for:

**New York State Department
of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013**

Prepared by:

**Groundwater & Environmental Services, Inc.
158 Sonwil Drive
Cheektowaga, New York 14225**

July 31, 2013



CONSTRUCTION COMPLETION SUMMARY

AREA 4 – STREAMBANK SOILS REMOVAL AND BANK STABILIZATION
DEPEW LANDFILL
VILLAGE OF DEPEW
ERIE COUNTY, NEW YORK
NYSDEC SITE NUMBER 9-15-105

Prepared for

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
625 BROADWAY, 12TH FLOOR
ALBANY, NEW YORK 12233-7017

Report Date

July 31, 2013

Prepared By:

Michelle Napier For:

Nicole Jarzyniecki
Staff Hydrogeologist

Reviewed By:

Eric Popken

Eric Popken
Project Manager

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

495 Aero Drive, Suite 3
Cheektowaga, NY 14225
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Appendix B – Community Air Monitoring Data

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Appendix E – Material Specification Sheets



*Construction Completion Summary
Depew Landfill – Area 4
Village of Depew, New York
NYSDEC Site Number 9-15-105*

1.0 INTRODUCTION

Please find the *Construction Completion Summary* presented herein, which was prepared by Groundwater and Environmental Services, Inc. (GES) for New York State Department of Environmental Conservation (NYSDEC). This *Construction Completion Summary* describes the scope of work executed as outlined in the *Construction Workplan* submitted by GES on October 4, 2011, and *Final Project Manual* (FPM), dated September 2011, prepared by Ecology & Environment Engineering, P.C. (EEEP) for NYSED. The work was completed between October 5, 2011 and October 20, 2011.

Site maps that were included in the FPM are included in this report as **Appendix A**.

2.0 SITE SETTING

As summarized in the FPM, the inactive Depew Landfill is located at the Village of Depew Department of Public Works (DPW) facilities, which is currently active. The Erie County Sewer District No. 4. Overflow Retention Facility (ORF) is located in the middle of the site. There is a permitted State Pollutant Discharge Elimination System (SPDES) outfall associated with the ORF. The work area is located along the right descending bank of Cayuga Creek in a generally suburban setting with woods in the immediate vicinity.

According to the site history included in the FPM, the former Depew Landfill operations included the deposition of solid municipal and incinerator waste. Previous characterization work has determined there is significant heavy metals contamination in the incinerator waste, specifically lead. It is understood the inactive landfill had been subject to erosion due to its location proximate to the creek. The purpose of this work was to stabilize a portion of the creek bank alongside the inactive landfill.

3.0 IMPLEMENTATION OF THE WORK

3.1 Health and Safety Plan and Utility Clearance

GES prepared a site specific health & safety plan (HASP), which included a community air monitoring plan (CAMP) to address potential fugitive dust that may have been generated during excavation activities. GES followed the generic CAMP that is provided in Appendix 1 of NYSED's *Division of Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation*. The HASP included emergency contact information for the client and emergency services, hospital route, manufacturers safety data sheets (MSDSs) for any chemicals that may be used or encountered during the work. CAMP monitoring data is included in **Appendix B**.

During the work, GES' site supervisor was designated as the on-site Health & Safety officer for compliance with the HASP, as well as to confirm that all field personnel were 40 hour HAZWOPER trained, medically fit, and had current certificates of training.

FIGURES

TABLES

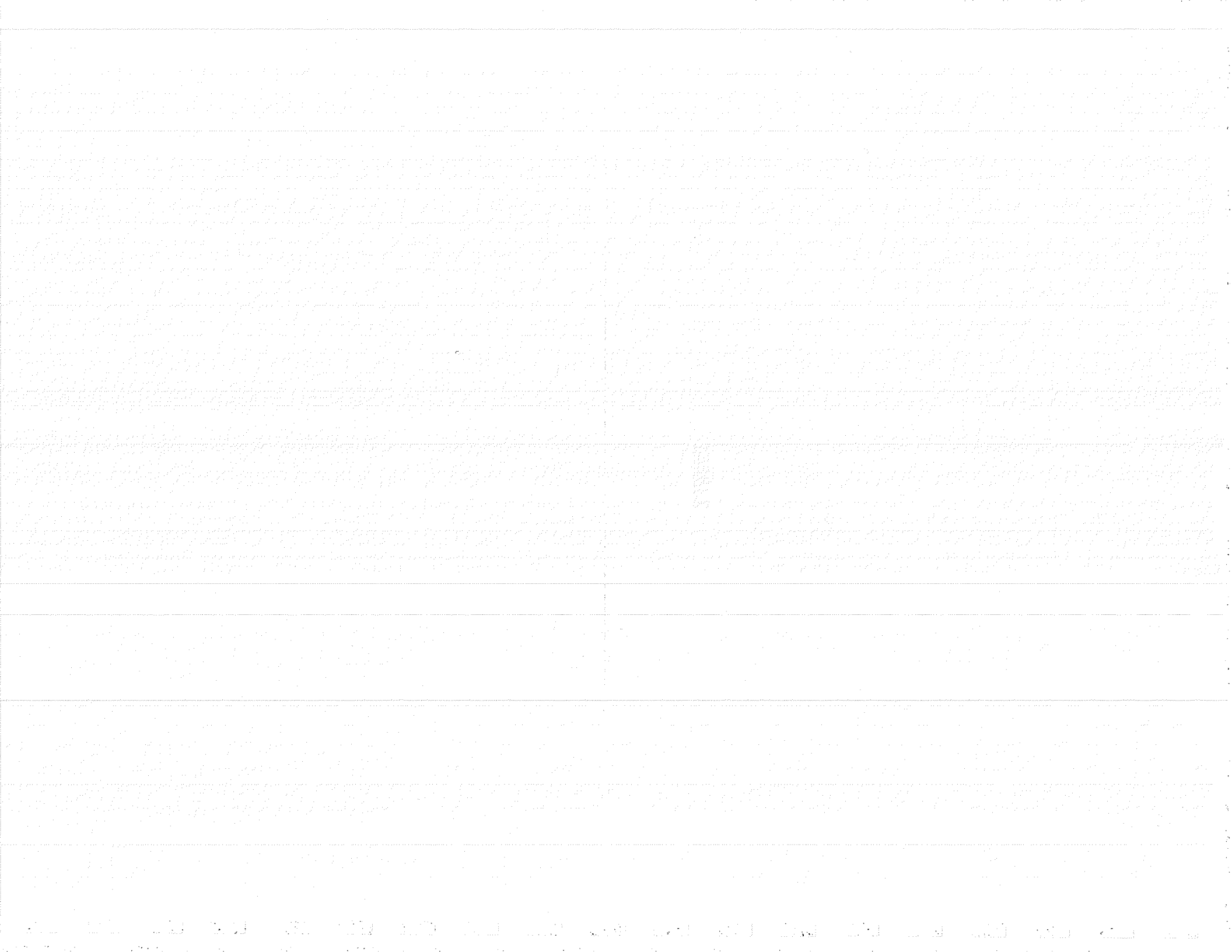


Table 1

Turbidity Screening Results

**NYSDEC Depew Landfill
Village of Depew
Erie County, NY**

Sample Location	Date	Time	Turbidity Reading (NTU)
Upstream	10/6/2011	15:08	3.27
Downstream	10/6/2011	15:08	3.91
Upstream	10/7/2011	8:16	4.35
Downstream	10/7/2011	8:04	4.75
Upstream	10/7/2011	10:27	3.25
Downstream	10/7/2011	10:27	3.08
Upstream	10/7/2011	13:00	2.64
Downstream	10/7/2011	13:00	2.91
Upstream	10/10/2011	8:38	2.99
Downstream	10/10/2011	8:38	2.56
Upstream	10/10/2011	10:05	2.55
Downstream	10/10/2011	10:05	3.54*
Upstream	10/11/2011	8:25	2.94
Downstream	10/11/2011	8:00	3.77
Upstream	10/11/2011	12:39	12.0+
Downstream	10/11/2011	12:39	8.52++
Upstream	10/11/2011	13:30	36.8+
Downstream	10/11/2011	13:30	27.4++
Upstream	10/11/2011	13:35	42.0+
Downstream	10/11/2011	13:35	24.2++
Upstream	10/11/2011	16:19	16.30+
Downstream	10/11/2011	16:19	10.27++
Upstream	10/12/2011	8:00	5.69+
Downstream	10/12/2011	8:00	4.18++
Upstream	10/12/2011	11:47	12.8+
Downstream	10/12/2011	11:47	10.43++
Upstream	10/12/2011	14:00	59.4+
Downstream	10/12/2011	14:00	43.6++
Upstream	10/13/2011	7:58	6.10+
Downstream	10/13/2011	7:58	5.62++
Upstream	10/13/2011	10:11	43.9+
Downstream	10/13/2011	10:11	46.1++
Upstream	10/13/2011	12:11	34.2+
Downstream	10/13/2011	12:11	39.9++
Upstream	10/14/2013	8:00	4.76+
Downstream	10/14/2013	8:00	38.1++
Upstream	10/14/2013	10:46	17.0+
Downstream	10/14/2013	10:46	21.9++

NOTES:

All readings were collected using a Lamotte 202we Turbidimeter

NTU = nephelometric turbidity units

*algae observed in sample

+ sample collected upstream, within silt curtain containment

++ sample collected downstream, outside of silt curtain containment

APPENDIX A

DEPEW LANDFILL

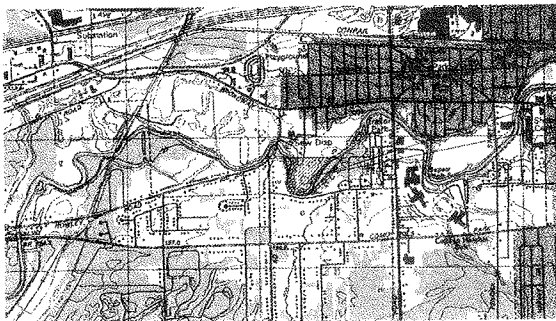
AREA 4 - STREAMBANK SOILS REMOVAL AND BANK STABILIZATION

DEPEW, NEW YORK

SITE # 9-15-105

SEPTEMBER 2011

ISSUED FINAL



SITE LOCATION MAP

SCALE: 1" = 100' 0"

SITE
LOCATION



SITE VICINITY MAP

NTS

LIST OF DRAWINGS - AREA 4 ONLY

ECOLOGY AND ENVIRONMENT ENGINEERING, P.C.

SHEET NO.	TITLE
1	PROJECT SHEET AND LIST OF DRAWINGS
2	GENERAL AND ASSUMPTIONS
3	ADDITIONAL ASSUMPTIONS
4	ADDITIONAL ASSUMPTIONS
5	PROPOSED SITE PLAN - AREA 4 ONLY
6	PROPOSED SITE PLAN - AREA 4
7	PROPOSED SITE PLAN - AREA 4
8	PROPOSED SITE PLAN - AREA 4
9	PROPOSED SITE PLAN - AREA 4
10	PROPOSED SITE PLAN - AREA 4
11	PROPOSED SITE PLAN - AREA 4
12	PROPOSED SITE PLAN - AREA 4

NOTE: DRAWING SHEETS 3, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, AND 23 ARE NOT IN THIS CONTRACT.

NO.	DATE	BY	CHKD.	DESCRIPTION
1	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
2	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
3	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
4	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
5	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
6	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
7	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
8	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
9	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
10	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
11	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
12	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
13	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
14	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
15	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
16	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
17	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
18	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
19	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
20	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
21	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
22	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW
23	10/1/11	AM	AM	ISSUED FOR PRELIMINARY REVIEW

ecology and environment
engineering, p.c.

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 10/1/11



DEPEW LANDFILL - AREA 4

DEPEW ERIE COUNTY NEW YORK

COVER SHEET AND LIST OF DRAWINGS

SHEET NO. 1 OF 23
DATE: 10/1/11
SCALE: 1" = 100' 0"

Sheet 2

[illegible]

CD 8065175
E 19 CWP 817 30
S 870 W 249 32
DRAINAGE 147 07
W 10 CWP 817 31

STRA 80680 18
S 270 CWP 811 13
N 171 CWP 811 30
E 012 CWP 842 88

EXISTING WATER VALE AND DZE

EXISTING DATCH BASIN AND DZE

EXISTING SANITARY MANHOLE AND S/F

EXISTING STORM DRAN AND SIZE

EXISTING MONITORING WELL LOCATION

EXISTING WOODED AREA CURBOUT (CPOUL - SEE NOTE 2 FOR SOURCE INFORMATION)

EXISTING TREX/VEGETATION (USAGE - SEE NOTE 3 FOR SOURCE INFORMATION)

FIELD OBSERVED TREE LOCATION (MARCH 2011)

FIELD OBSERVED WOODED AREA CURBOUT (MARCH 2011)

EXISTING STRUCTURE

SURVEY CONTROL POINT (SEE TABLE OF CONTROLS)

EXISTING TOPOGRAPHIC CONTOUR

PROPOSED HYDROLOGIC CONTOUR

EXISTING OVERHEAD ELECTRIC LINE

POTENTIAL POLYNOMIAL ON HIGHWAY RIGHT OF WAY

EDGE OF WATER AS OF JANUARY 2006 (UNLESS NOTED OTHERWISE)

EXISTING FENCE

WORK AREA

EXCAVATION AREA COORDINATE POINT

EXCAVATION AREA WITH PROPOSED EXCAVATION DEPTH

PROPOSED CLEARING AND GRUBBING AREA

CONSTRUCTION AREA

CONTRACTOR ACCESS ROAD

BEL FENCE

TEMPORARY SECURITY FENCE

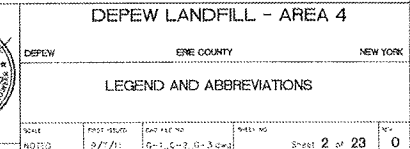
STORMWATER OVERSHADE AND DIRECTION OF FLOW

CURRENT TAX ID.

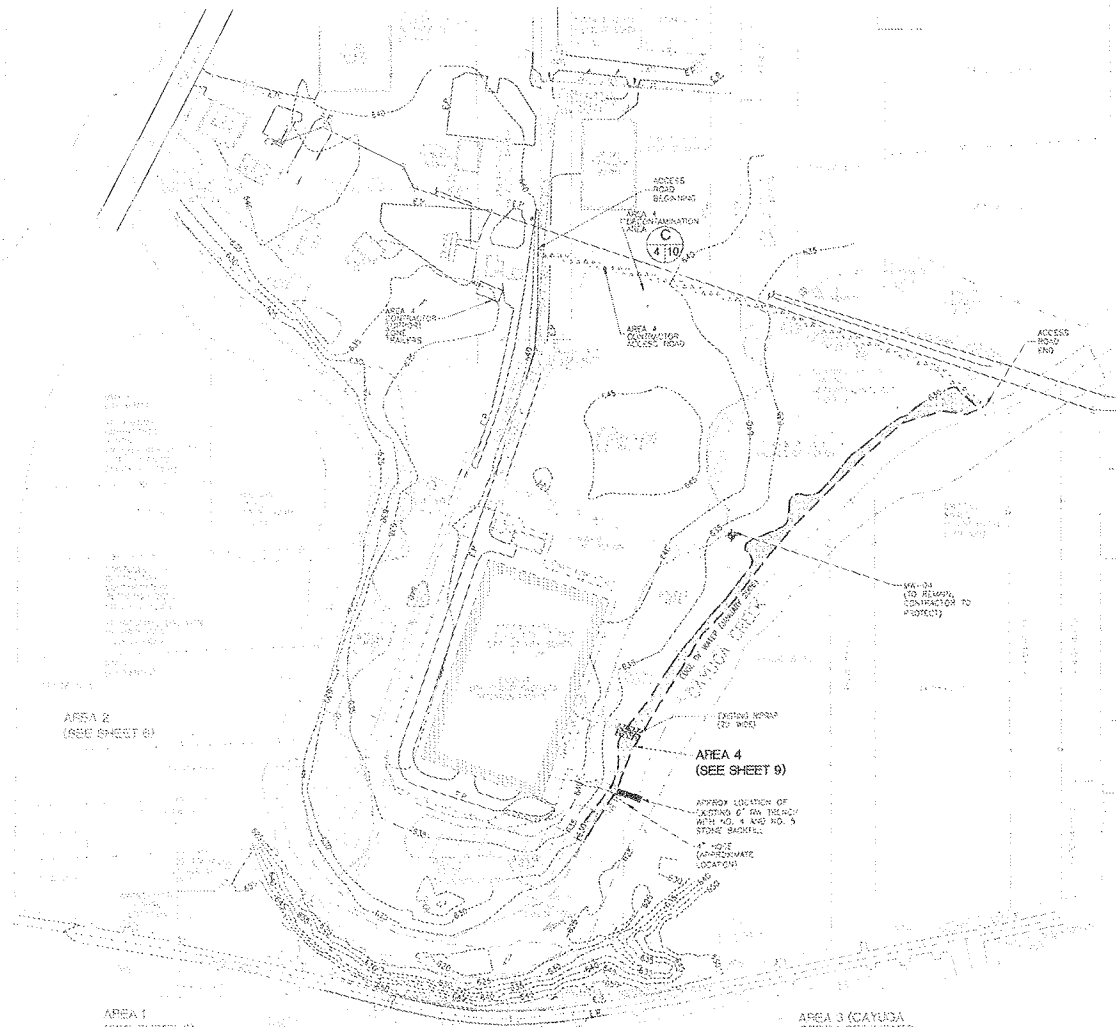
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NO	DATE	TIME	LOCATION	DESCRIPTION	REMARKS
0	3/1/01	0600	THS	READY FOR CONSTRUCTION - 4500 & 0mV	
1	3/1/01	0600	THS	READY FOR CONSTRUCTION - REVIEW	
2	3/1/01	0600	THS	READY FOR CONSTRUCTION	
3	3/1/01	0600	THS	READY FOR CONSTRUCTION	

DRAWN BY <i>CS</i> D SCHIFFERLE PLE	ISSUED BY <i>WBL</i> W STEINHAUS LITTLE PS
DRAWN BY <i>Alt</i> WY KRAJCIAK	ISSUED BY TR HEINS PLE <i>7-10</i>



Sheet 4



Key: TIG = Top of inner casing
 H = Feet
 MSL = Above mean sea level
 SSS = Below ground surface

APSA 2
(SEE ENCL 6)

AREA 1
ONE SHEET OF

WORK AREA DESIGNATIONS

AREA 3 (CAYUGA
CREEK SEDIMENTS;
SEE GENERAL
NOTES ON
SHEET 2 AND SHEET 3)

SCALE IN FEET

0 100 200 300

IT IS A VIOLATION OF NEW YORK STATE EDUCATION
LAW TO ALTER THIS DOCUMENT BY MEANS
UNCONSISTENT WITH SECTION 2209 OF SAID LAW.

[illegible]

ecology and environment
engineering p.c.

DESIGNED BY
C. SCHOFFER: P.E.
DRAWN BY
JAN KRAJCIK



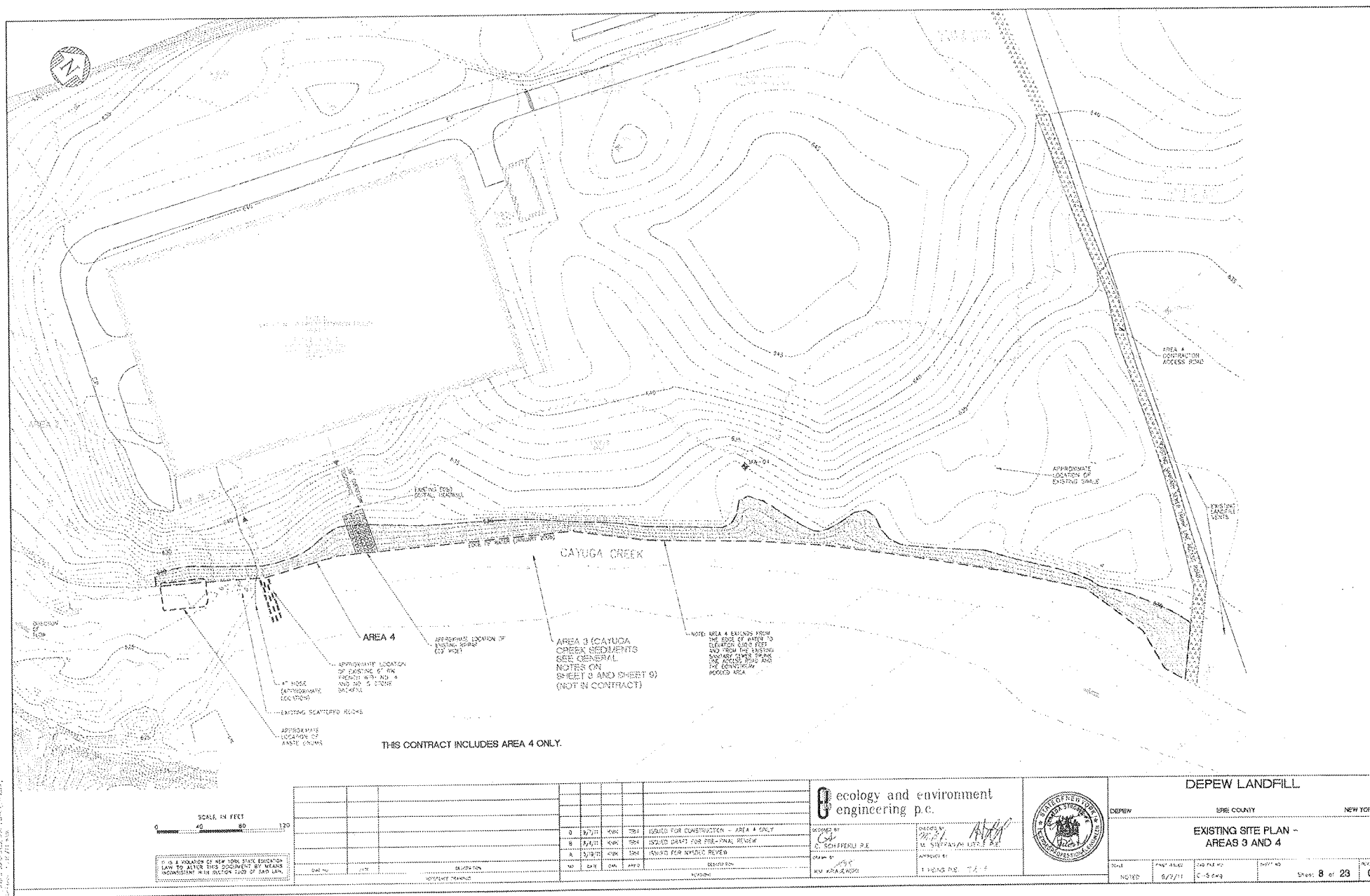
DEPEW LANDFILL - AREA 4

DEPT# _____ ERIE COUNTY _____ NEW YORK _____

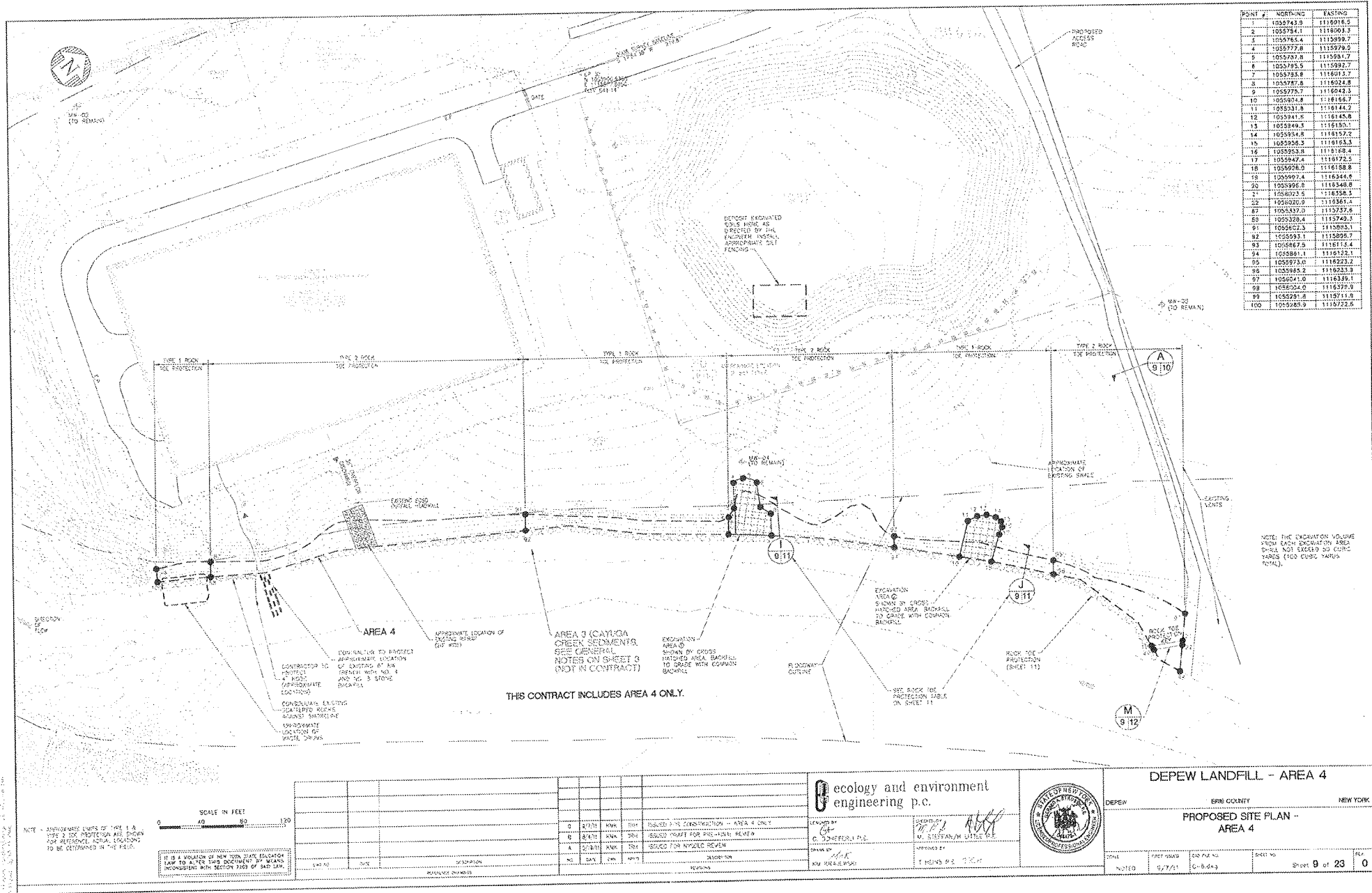
WORK AREA DESIGNATIONS

NAME	POST CODE	NO. FOR NO	DATE NO	PG.
NOTED	9/1/19	C-1-649	Sheet 4 of 23	0

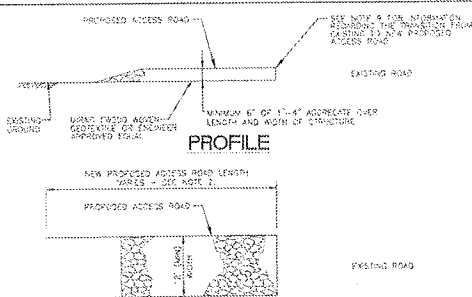
Sheet 8



Sheet 9



Sheet 10



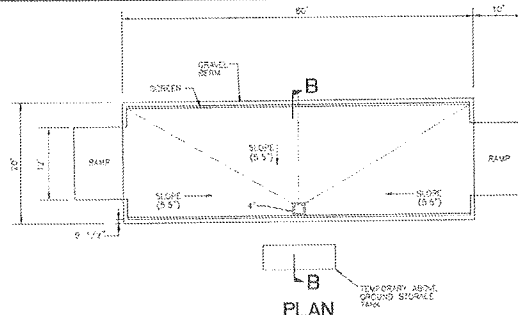
PLAN

STABILIZED CONSTRUCTION ACCESS ROAD

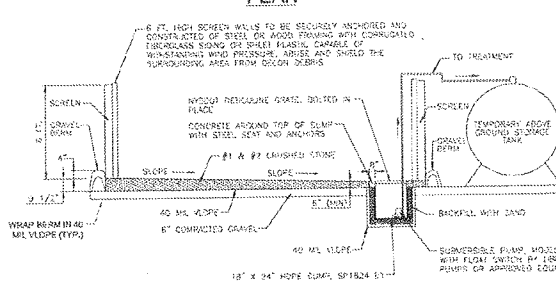
A
9/10

STABILIZED CONSTRUCTION ENTRANCE NOTES:

1. LENGTH - Varies, SEE PLANS FOR PROPOSED ACCESS ROAD INFORMATION.
2. THICKNESS - NOT LESS THAN 8 INCHES.
3. WIDTH - 12 FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE ENTRIES OR EXITS OCCUR.
4. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING SLAB.
5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT COLLECTED, DRAINAGE, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
6. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A SLAB STABILIZED WITH STONE AND ANCHOR DRAINING INTO AN APPROVED SEDIMENT TRAP AND DEVICE.
7. PERMANENT INFILTRATION AND RELATED MAINTENANCE SHALL BE PROVIDED DURING THE PROJECT AND AFTER EACH RAIN EVENT.
8. CONTRACTOR SHALL TRANSITION FROM THE EXISTING ROAD TO THE NEW PROPOSED ACCESS ROAD BY MATCHING EXISTING DRIVE.



PLAN



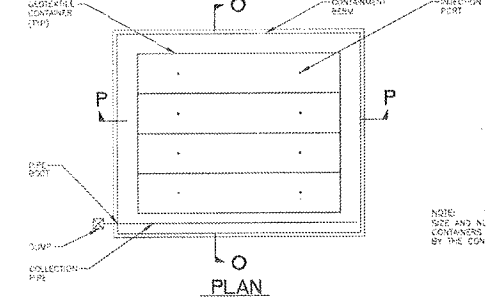
SECTION B - B

DECONTAMINATION PAD DETAILS (FOR INFORMATION ONLY)

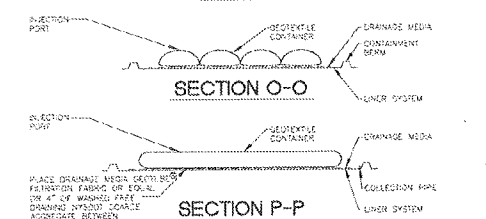
C
4/10

AREA 2 TIP CROSS SECTION (NOT IN CONTRACT)

F
6/10

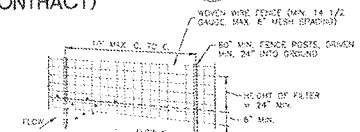


PLAN

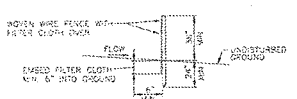


TYPICAL DEWATERING CELL DETAIL (NOT IN CONTRACT)

Q
4/10



PERSPECTIVE VIEW



SECTION

CONSTRUCTION NOTES FOR TYPICAL CELL DETAIL

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIE OR WAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 24 INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGE" EXCEEDS 12" SLT FENCE.
5. REMOVE SLT FENCE UPON COMPLETION AND ACCEPTANCE BY ENGINEER.

SILT FENCE DETAILS (NOT IN CONTRACT)

U
4/10

DEPEW LANDFILL - AREA 4

CONSTRUCTION DETAILS 1

NO.	DATE	BY	CHKD.	DESCRIPTION
1	4/27/01	AKK	DKL	ISSUED FOR CONSTRUCTION - AREA 4 ONLY
2	4/27/01	AKK	DKL	ISSUED DRAFT FOR PRELIMINARY REVIEW
3	4/27/01	AKK	DKL	ISSUED FOR PUBLIC REVIEW
4	4/27/01	AKK	DKL	CONSTRUCTION
5	4/27/01	AKK	DKL	REVISION

ecology and environment
engineering p.c.

DESIGNED BY
C. SCHIFFERLE P.E.

CHECKED BY
M. STEFFAN/N. LITTLE P.E.

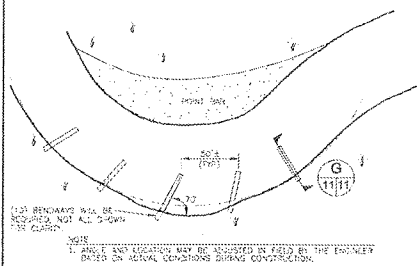
DATE
7 MONTHS 21, 2001



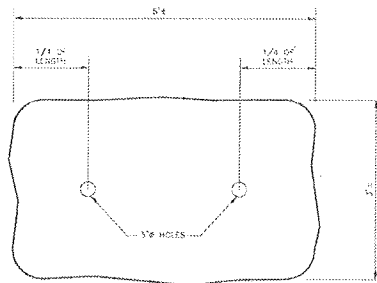
NO.	DATE	BY	CHKD.	DESCRIPTION
1	4/27/01	AKK	DKL	ISSUED FOR CONSTRUCTION - AREA 4 ONLY
2	4/27/01	AKK	DKL	ISSUED DRAFT FOR PRELIMINARY REVIEW
3	4/27/01	AKK	DKL	ISSUED FOR PUBLIC REVIEW
4	4/27/01	AKK	DKL	CONSTRUCTION
5	4/27/01	AKK	DKL	REVISION

IF IT IS A VIOLATION OF NEW YORK STATE REGULATION 144 TO ALTER THIS DOCUMENT BY ANY MEANS, AGREEMENT WITH SECTION 700 OF S&D LAW.

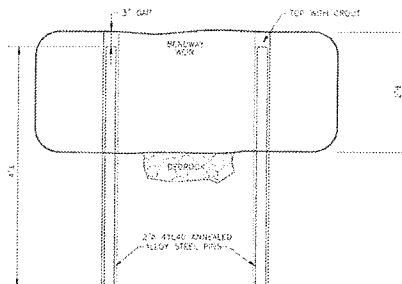
Sheet 11



BENDWAY WEIR FIELD PLAN VIEW
(NOT IN CONTRACT)



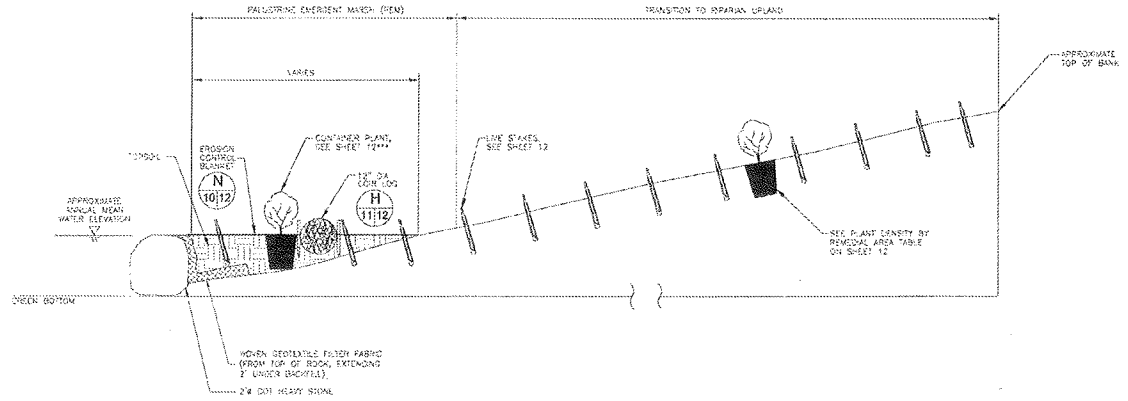
ENLARGED BENDWAY WEIR PLAN VIEW
(NOT IN CONTRACT)



SECTION G - G
(NOT IN CONTRACT)

1. BENTONITE SEAL TO ALLOW FOR ABSORPTION OF STEEL PINS
2. STEEL PINS SHALL BE A MINIMUM 2" INTO BEDROCK

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW TO ALTER THIS DOCUMENT BY HAND OR MEANS OF ANY INFORMATION SYSTEMS.

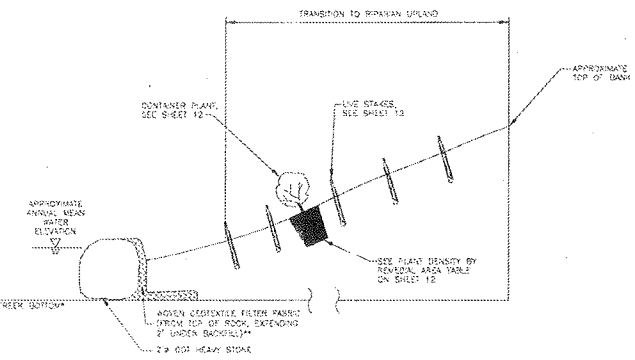


AREA 4 TYPE 2 ROCK TOE PROTECTION WITH FLOODPLAIN BENCH (TYP)

- NOTES**
1. ROCK TOE PROTECTION SHALL BE PLACED TO MAINTAIN DISTANCE TO STREAMBANK SURFACE TO BE LAD ON REMOVAL SHALL BE ENSURED TO ENSURE CONTINUOUS CONTACT WITH BEDROCK.
 2. TYPE OF ROCK TOE PROTECTION TO BE PLACED ALONG STREAMBANK TO BE DETERMINED BY ENGINEER BASED ON FIELD CONDITIONS.
 3. FLOODPLAIN BENCHES WILL BE CONSTRUCTED AT A LEVEL GRADE FROM ROCK TO STREAMBANK OF THE MEAN WATER ELEVATION.
 4. A 1" DIAMETER COR LOG SHALL BE PLACED AND SPACED PARALLEL TO THE ROCK TOE PROTECTION, AT THE MIDPOINT OF THE FLOODPLAIN BENCH AND BURIED APPROXIMATELY 1/3 BENEATH THE SOIL SURFACE.
 5. APPROVED BACKFILL TO BE APPLIED AS NEEDED TO ACCOMMODATE NEW PLANTINGS.
 6. DIVISION BETWEEN FLOODPLAIN BENCH AND TRANSITION TO RIPRAP UPLAND TO BE DETERMINED IN FIELD BY ENGINEER.

ROCK TOE PROTECTION TABLE				
Restoration Factor	Estimated # of Rock Toes	Estimated Volume of Rock (CY)	Estimated Seed Rate (lb/100 sq ft)	Estimated Volume of Seed (CY)
1.0	100	100	100	100
2.0	200	200	200	200
3.0	300	300	300	300
4.0	400	400	400	400

1. COMPACTED BEDROCK VOLUME FOR FLOODPLAIN BENCH APPROXIMATELY 2' DEEP x 8' WIDE x 5' LONG.
2. DENSITY OF BEDROCK = 2.85/1000 SQUARE FEET.

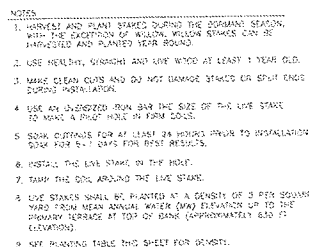


AREA 4 TYPE 1 ROCK TOE PROTECTION (TYP)

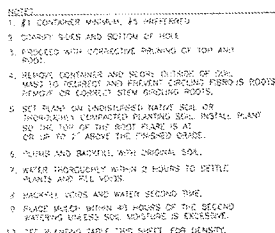
1. SEE PAGE 1-0 OF THE SCW FOR FLOW OR PAGE 2-1 FOR ELEVATIONS.
2. INSTALLATION OF THE MOVEN DECENTILE FILTER FABRIC, IF REQUIRED, WILL BE BASED ON ACTUAL FIELD CONDITIONS AND DETERMINED BY THE ENGINEER.

ecology and environment engineering p.c.				DEPEW LANDFILL - AREA 4			
DESIGNED BY: [Signature]				DEPEW			
CHECKED BY: [Signature]				EMERGENCY			
APPROVED BY: [Signature]				NEW YORK			
CONSTRUCTION DETAILS 2				Sheet 11 of 23			

Sheet 12



SCALE: 3° + 1° = 0



NOV 16 1994



NO. 10 524

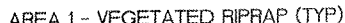


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(NOT IN CONTRACT)



NOV 10 2011



(NOT IN CONTRACT)

[illegible]

.....
 DISC NO
 C. CHATTERJEE

C. CHATTERJI, P. S.

DATE



DEPEW LANDFILL - AREA 4

FREE COUNTY

NEW YORK

CONSTRUCTION DETAILS 3

NAME	DATE ORDERED	SAO FILE NO.	DATE NO.	PAGE
NORRIS	8/7/61	C-7-C-8-S-B-209	Sheet 12 of 23	C

APPENDIX B

10-7-11 Upwind
TrakPro Version 4.51 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530104704
Test ID: 6
Test Abbreviation: WORK_ZONE_006
Start Date: 10/7/2011
Start Time: 7:48:27
Duration (dd:hh:mm:ss): 0:07:02:00
Log Interval (mm:ss): 1:00
Number of points: 422
Notes:

Statistics Channel: AEROSOL
Units: mg/m³
Average: 0.003
Minimum: 0
Time of Minimum: 9:11:27
Date of Minimum: 10/7/2011
Maximum: 0.015
Time of Maximum: 10:46:27
Date of Maximum: 10/7/2011

Calibration Sensor: AEROSOL
Cal. date 11/17/2010

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
10/7/2011	7:49:27	0.014
10/7/2011	7:50:27	0.006
10/7/2011	7:51:27	0.006
10/7/2011	7:52:27	0.003
10/7/2011	7:53:27	0.003
10/7/2011	7:54:27	0.003
10/7/2011	7:55:27	0.003
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10/7/2011	7:57:27	0.003
10/7/2011	7:58:27	0.003
10/7/2011	7:59:27	0.003
10/7/2011	8:00:27	0.003
10/7/2011	8:01:27	0.003
10/7/2011	8:02:27	0.003
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10/7/2011	8:08:27	0.003
10/7/2011	8:09:27	0.003
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10/7/2011	8:12:27	0.003

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10/7/2011	13:40:27	0.005
10/7/2011	13:41:27	0.005
10/7/2011	13:42:27	0.005
10/7/2011	13:43:27	0.007
10/7/2011	13:44:27	0.01
10/7/2011	13:45:27	0.008
10/7/2011	13:46:27	0.006
10/7/2011	13:47:27	0.006
10/7/2011	13:48:27	0.006
10/7/2011	13:49:27	0.007
10/7/2011	13:50:27	0.006
10/7/2011	13:51:27	0.007
10/7/2011	13:52:27	0.007
10/7/2011	13:53:27	0.007
10/7/2011	13:54:27	0.006
10/7/2011	13:55:27	0.008
10/7/2011	13:56:27	0.007
10/7/2011	13:57:27	0.007
10/7/2011	13:58:27	0.007
10/7/2011	13:59:27	0.007
10/7/2011	14:00:27	0.007
10/7/2011	14:01:27	0.007
10/7/2011	14:02:27	0.008
10/7/2011	14:03:27	0.007
10/7/2011	14:04:27	0.007
10/7/2011	14:05:27	0.008
10/7/2011	14:06:27	0.008
10/7/2011	14:07:27	0.008
10/7/2011	14:08:27	0.008
10/7/2011	14:09:27	0.008
10/7/2011	14:10:27	0.007
10/7/2011	14:11:27	0.006
10/7/2011	14:12:27	0.007
10/7/2011	14:13:27	0.007
10/7/2011	14:14:27	0.007
10/7/2011	14:15:27	0.007
10/7/2011	14:16:27	0.007
10/7/2011	14:17:27	0.008
10/7/2011	14:18:27	0.008
10/7/2011	14:19:27	0.008
10/7/2011	14:20:27	0.008
10/7/2011	14:21:27	0.009
10/7/2011	14:22:27	0.009
10/7/2011	14:23:27	0.009
10/7/2011	14:24:27	0.008
10/7/2011	14:25:27	0.008
10/7/2011	14:26:27	0.008
10/7/2011	14:27:27	0.007
10/7/2011	14:28:27	0.008
10/7/2011	14:29:27	0.008
10/7/2011	14:30:27	0.008

10/7/2011	14:31:27	0.008
10/7/2011	14:32:27	0.008
10/7/2011	14:33:27	0.007
10/7/2011	14:34:27	0.008
10/7/2011	14:35:27	0.008
10/7/2011	14:36:27	0.009
10/7/2011	14:37:27	0.008
10/7/2011	14:38:27	0.01
10/7/2011	14:39:27	0.009
10/7/2011	14:40:27	0.009
10/7/2011	14:41:27	0.009
10/7/2011	14:42:27	0.009
10/7/2011	14:43:27	0.008
10/7/2011	14:44:27	0.009
10/7/2011	14:45:27	0.009
10/7/2011	14:46:27	0.008
10/7/2011	14:47:27	0.007
10/7/2011	14:48:27	0.007
10/7/2011	14:49:27	0.007
10/7/2011	14:50:27	0.008

10-07-11 Downwind

Instrument Name	DustTrak DRX
Model Number	8530
Serial Number	8530101704
Firmware Version	2.7
Calibration Date	3/28/2011
Test Name	TEST 1_001
Test Start Time	7:55:48 AM
Test Start Date	10/7/2011
Test Length [D:H:M]	0:06:30
Test Interval [M:S]	15:00
PM1 Average [mg/m3]	0.01
PM1 Minimum [mg/m3]	0.002
PM1 Maximum [mg/m3]	0.024
PM1 TWA [mg/m3]	0.008
PM2.5 Average [mg/m3]	0.011
PM2.5 Minimum [mg/m3]	0.002
PM2.5 Maximum [mg/m3]	0.024
PM2.5 TWA [mg/m3]	0.009
PM4 Average [mg/m3]	0.012
PM4 Minimum [mg/m3]	0.003
PM4 Maximum [mg/m3]	0.03
PM4 TWA [mg/m3]	0.01
PM10 Average [mg/m3]	0.015
PM10 Minimum [mg/m3]	0.005
PM10 Maximum [mg/m3]	0.035
PM10 TWA [mg/m3]	0.012
TOTAL Average [mg/m3]	0.015
TOTAL Minimum [mg/m3]	0.005
TOTAL Maximum [mg/m3]	0.036
TOTAL TWA [mg/m3]	0.012
Photometric User Cal	1
Size Correction User Cal	1
Flow User Cal	1
Errors	
Number of Samples	26

Elapsed Time [s]	PM1 [mg/m3]	PM2.5 [mg/m3]	PM4 [mg/m3]	PM10 [mg/m3]	TOTAL [mg/m3]	Alarms	Errors
900	0.023	0.024	0.03	0.035	0.036		
1800	0.018	0.018	0.019	0.022	0.022		

2700	0.024	0.024	0.025	0.028	0.028
3600	0.017	0.017	0.018	0.02	0.02
4500	0.014	0.014	0.015	0.017	0.018
5400	0.012	0.012	0.013	0.016	0.016
6300	0.01	0.01	0.011	0.014	0.014
7200	0.008	0.008	0.009	0.012	0.012
8100	0.007	0.007	0.008	0.011	0.011
9000	0.006	0.006	0.007	0.01	0.01
9900	0.005	0.005	0.006	0.008	0.008
10800	0.004	0.005	0.005	0.007	0.007
11700	0.004	0.004	0.004	0.006	0.006
12600	0.003	0.003	0.003	0.005	0.006
13500	0.002	0.002	0.003	0.005	0.005
14400	0.003	0.003	0.004	0.006	0.006
15300	0.004	0.004	0.005	0.007	0.008
16200	0.007	0.007	0.008	0.012	0.013
17100	0.009	0.01	0.011	0.014	0.015
18000	0.011	0.012	0.013	0.017	0.017
18900	0.013	0.013	0.014	0.018	0.018
19800	0.012	0.013	0.014	0.017	0.017
20700	0.013	0.013	0.015	0.018	0.019
21600	0.013	0.014	0.015	0.018	0.019
22500	0.014	0.014	0.016	0.02	0.021
23400	0.014	0.014	0.016	0.02	0.021

10-10-11 Upwind
TrakPro Version 4.51 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530104704
Test ID: 7
Test Abbreviation: WORK_ZONE_007
Start Date: 10/10/2011
Start Time: 8:04:43
Duration (dd:hh:mm:ss): 0:12:00:00
Log Interval (mm:ss): 1:00
Number of points: 653
Notes:

Statistics Channel: AEROSOL
Units: mg/m³
Average: 0.036
Minimum: 0
Time of Minimum: 16:48:40
Date of Minimum: 10/10/2011
Maximum: 0.112
Time of Maximum: 12:39:43
Date of Maximum: 10/10/2011

Calibration Sensor: AEROSOL
Cal. date 11/17/2010

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
10/10/2011	8:05:43	0.06
10/10/2011	8:06:43	0.064
10/10/2011	8:07:43	0.065
10/10/2011	8:08:43	0.065
10/10/2011	8:09:43	0.066
10/10/2011	8:10:43	0.067
10/10/2011	8:11:43	0.067
10/10/2011	8:12:43	0.068
10/10/2011	8:13:43	0.068
10/10/2011	8:14:43	0.067
10/10/2011	8:15:43	0.067
10/10/2011	8:16:43	0.067
10/10/2011	8:17:43	0.068
10/10/2011	8:18:43	0.068
10/10/2011	8:19:43	0.068
10/10/2011	8:20:43	0.069
10/10/2011	8:21:43	0.071
10/10/2011	8:22:43	0.07
10/10/2011	8:23:43	0.069
10/10/2011	8:24:43	0.069
10/10/2011	8:25:43	0.068
10/10/2011	8:26:43	0.067
10/10/2011	8:27:43	0.068
10/10/2011	8:28:43	0.068

10/10/2011	8:29:43	0.067
10/10/2011	8:30:43	0.068
10/10/2011	8:31:43	0.067
10/10/2011	8:32:43	0.066
10/10/2011	8:33:43	0.067
10/10/2011	8:34:43	0.067
10/10/2011	8:35:43	0.067
10/10/2011	8:36:43	0.069
10/10/2011	8:37:43	0.069
10/10/2011	8:38:43	0.068
10/10/2011	8:39:43	0.067
10/10/2011	8:40:43	0.066
10/10/2011	8:41:43	0.066
10/10/2011	8:42:43	0.066
10/10/2011	8:43:43	0.067
10/10/2011	8:44:43	0.066
10/10/2011	8:45:43	0.066
10/10/2011	8:46:43	0.065
10/10/2011	8:47:43	0.064
10/10/2011	8:48:43	0.063
10/10/2011	8:49:43	0.063
10/10/2011	8:50:43	0.063
10/10/2011	8:51:43	0.062
10/10/2011	8:52:43	0.062
10/10/2011	8:53:43	0.062
10/10/2011	8:54:43	0.062
10/10/2011	8:55:43	0.062
10/10/2011	8:56:43	0.062
10/10/2011	8:57:43	0.062
10/10/2011	8:58:43	0.061
10/10/2011	8:59:43	0.06
10/10/2011	9:00:43	0.059
10/10/2011	9:01:43	0.059
10/10/2011	9:02:43	0.057
10/10/2011	9:03:43	0.057
10/10/2011	9:04:43	0.056
10/10/2011	9:05:43	0.057
10/10/2011	9:06:43	0.056
10/10/2011	9:07:43	0.057
10/10/2011	9:08:43	0.058
10/10/2011	9:09:43	0.058
10/10/2011	9:10:43	0.057
10/10/2011	9:11:43	0.056
10/10/2011	9:12:43	0.056
10/10/2011	9:13:43	0.056
10/10/2011	9:14:43	0.056
10/10/2011	9:15:43	0.056
10/10/2011	9:16:43	0.057
10/10/2011	9:17:43	0.056
10/10/2011	9:18:43	0.057
10/10/2011	9:19:43	0.057
10/10/2011	9:20:43	0.056
10/10/2011	9:21:43	0.056
10/10/2011	9:22:43	0.056

10/10/2011	9:23:43	0.057
10/10/2011	9:24:43	0.055
10/10/2011	9:25:43	0.055
10/10/2011	9:26:43	0.054
10/10/2011	9:27:43	0.054
10/10/2011	9:28:43	0.054
10/10/2011	9:29:43	0.053
10/10/2011	9:30:43	0.055
10/10/2011	9:31:43	0.055
10/10/2011	9:32:43	0.056
10/10/2011	9:33:43	0.053
10/10/2011	9:34:43	0.052
10/10/2011	9:35:43	0.052
10/10/2011	9:36:43	0.052
10/10/2011	9:37:43	0.05
10/10/2011	9:38:43	0.051
10/10/2011	9:39:43	0.051
10/10/2011	9:40:43	0.05
10/10/2011	9:41:43	0.05
10/10/2011	9:42:43	0.049
10/10/2011	9:43:43	0.05
10/10/2011	9:44:43	0.049
10/10/2011	9:45:43	0.048
10/10/2011	9:46:43	0.048
10/10/2011	9:47:43	0.048
10/10/2011	9:48:43	0.048
10/10/2011	9:49:43	0.048
10/10/2011	9:50:43	0.048
10/10/2011	9:51:43	0.048
10/10/2011	9:52:43	0.048
10/10/2011	9:53:43	0.048
10/10/2011	9:54:43	0.049
10/10/2011	9:55:43	0.051
10/10/2011	9:56:43	0.053
10/10/2011	9:57:43	0.051
10/10/2011	9:58:43	0.049
10/10/2011	9:59:43	0.046
10/10/2011	10:00:43	0.047
10/10/2011	10:01:43	0.05
10/10/2011	10:02:43	0.05
10/10/2011	10:03:43	0.048
10/10/2011	10:04:43	0.048
10/10/2011	10:05:43	0.047
10/10/2011	10:06:43	0.047
10/10/2011	10:07:43	0.048
10/10/2011	10:08:43	0.048
10/10/2011	10:09:43	0.047
10/10/2011	10:10:43	0.046
10/10/2011	10:11:43	0.048
10/10/2011	10:12:43	0.049
10/10/2011	10:13:43	0.044
10/10/2011	10:14:43	0.042
10/10/2011	10:15:43	0.041
10/10/2011	10:16:43	0.04

10/10/2011	10:17:43	0.041
10/10/2011	10:18:43	0.042
10/10/2011	10:19:43	0.042
10/10/2011	10:20:43	0.042
10/10/2011	10:21:43	0.04
10/10/2011	10:22:43	0.04
10/10/2011	10:23:43	0.041
10/10/2011	10:24:43	0.041
10/10/2011	10:25:43	0.041
10/10/2011	10:26:43	0.04
10/10/2011	10:27:43	0.039
10/10/2011	10:28:43	0.04
10/10/2011	10:29:43	0.04
10/10/2011	10:30:43	0.039
10/10/2011	10:31:43	0.038
10/10/2011	10:32:43	0.038
10/10/2011	10:33:43	0.036
10/10/2011	10:34:43	0.036
10/10/2011	10:35:43	0.036
10/10/2011	10:36:43	0.036
10/10/2011	10:37:43	0.036
10/10/2011	10:38:43	0.035
10/10/2011	10:39:43	0.036
10/10/2011	10:40:43	0.036
10/10/2011	10:41:43	0.036
10/10/2011	10:42:43	0.035
10/10/2011	10:43:43	0.033
10/10/2011	10:44:43	0.032
10/10/2011	10:45:43	0.032
10/10/2011	10:46:43	0.032
10/10/2011	10:47:43	0.032
10/10/2011	10:48:43	0.032
10/10/2011	10:49:43	0.031
10/10/2011	10:50:43	0.032
10/10/2011	10:51:43	0.032
10/10/2011	10:52:43	0.032
10/10/2011	10:53:43	0.033
10/10/2011	10:54:43	0.032
10/10/2011	10:55:43	0.032
10/10/2011	10:56:43	0.032
10/10/2011	10:57:43	0.031
10/10/2011	10:58:43	0.031
10/10/2011	10:59:43	0.031
10/10/2011	11:00:43	0.032
10/10/2011	11:01:43	0.031
10/10/2011	11:02:43	0.032
10/10/2011	11:03:43	0.032
10/10/2011	11:04:43	0.031
10/10/2011	11:05:43	0.032
10/10/2011	11:06:43	0.032
10/10/2011	11:07:43	0.032
10/10/2011	11:08:43	0.033
10/10/2011	11:09:43	0.032
10/10/2011	11:10:43	0.032

10/10/2011	11:11:43	0.032
10/10/2011	11:12:43	0.033
10/10/2011	11:13:43	0.034
10/10/2011	11:14:43	0.035
10/10/2011	11:15:43	0.036
10/10/2011	11:16:43	0.035
10/10/2011	11:17:43	0.035
10/10/2011	11:18:43	0.036
10/10/2011	11:19:43	0.039
10/10/2011	11:20:43	0.039
10/10/2011	11:21:43	0.038
10/10/2011	11:22:43	0.039
10/10/2011	11:23:43	0.04
10/10/2011	11:24:43	0.042
10/10/2011	11:25:43	0.041
10/10/2011	11:26:43	0.041
10/10/2011	11:27:43	0.041
10/10/2011	11:28:43	0.041
10/10/2011	11:29:43	0.042
10/10/2011	11:30:43	0.041
10/10/2011	11:31:43	0.042
10/10/2011	11:32:43	0.041
10/10/2011	11:33:43	0.041
10/10/2011	11:34:43	0.042
10/10/2011	11:35:43	0.042
10/10/2011	11:36:43	0.044
10/10/2011	11:37:43	0.043
10/10/2011	11:38:43	0.042
10/10/2011	11:39:43	0.044
10/10/2011	11:40:43	0.045
10/10/2011	11:41:43	0.044
10/10/2011	11:42:43	0.045
10/10/2011	11:43:43	0.044
10/10/2011	11:44:43	0.043
10/10/2011	11:45:43	0.043
10/10/2011	11:46:43	0.043
10/10/2011	11:47:43	0.05
10/10/2011	11:48:43	0.046
10/10/2011	11:49:43	0.045
10/10/2011	11:50:43	0.045
10/10/2011	11:51:43	0.045
10/10/2011	11:52:43	0.044
10/10/2011	11:53:43	0.043
10/10/2011	11:54:43	0.043
10/10/2011	11:55:43	0.043
10/10/2011	11:56:43	0.043
10/10/2011	11:57:43	0.042
10/10/2011	11:58:43	0.042
10/10/2011	11:59:43	0.041
10/10/2011	12:00:43	0.04
10/10/2011	12:01:43	0.039
10/10/2011	12:02:43	0.039
10/10/2011	12:03:43	0.038
10/10/2011	12:04:43	0.037

10/10/2011	12:05:43	0.038
10/10/2011	12:06:43	0.037
10/10/2011	12:07:43	0.036
10/10/2011	12:08:43	0.037
10/10/2011	12:09:43	0.037
10/10/2011	12:10:43	0.036
10/10/2011	12:11:43	0.037
10/10/2011	12:12:43	0.037
10/10/2011	12:13:43	0.037
10/10/2011	12:14:43	0.037
10/10/2011	12:15:43	0.038
10/10/2011	12:16:43	0.037
10/10/2011	12:17:43	0.037
10/10/2011	12:18:43	0.036
10/10/2011	12:19:43	0.036
10/10/2011	12:20:43	0.036
10/10/2011	12:21:43	0.035
10/10/2011	12:22:43	0.036
10/10/2011	12:23:43	0.036
10/10/2011	12:24:43	0.035
10/10/2011	12:25:43	0.036
10/10/2011	12:26:43	0.035
10/10/2011	12:27:43	0.035
10/10/2011	12:28:43	0.036
10/10/2011	12:29:43	0.035
10/10/2011	12:30:43	0.036
10/10/2011	12:31:43	0.036
10/10/2011	12:32:43	0.035
10/10/2011	12:33:43	0.036
10/10/2011	12:34:43	0.035
10/10/2011	12:35:43	0.036
10/10/2011	12:36:43	0.039
10/10/2011	12:37:43	0.041
10/10/2011	12:38:43	0.04
10/10/2011	12:39:43	0.112
10/10/2011	12:40:43	0.038
10/10/2011	12:41:43	0.037
10/10/2011	12:42:43	0.036
10/10/2011	12:43:43	0.036
10/10/2011	12:44:43	0.036
10/10/2011	12:45:43	0.036
10/10/2011	12:46:43	0.036
10/10/2011	12:47:43	0.037
10/10/2011	12:48:43	0.037
10/10/2011	12:49:43	0.036
10/10/2011	12:50:43	0.036
10/10/2011	12:51:43	0.036
10/10/2011	12:52:43	0.037
10/10/2011	12:53:43	0.037
10/10/2011	12:54:43	0.037
10/10/2011	12:55:43	0.037
10/10/2011	12:56:43	0.038
10/10/2011	12:57:43	0.037
10/10/2011	12:58:43	0.036

10/10/2011	12:59:43	0.036
10/10/2011	13:00:43	0.036
10/10/2011	13:01:43	0.036
10/10/2011	13:02:43	0.037
10/10/2011	13:03:43	0.036
10/10/2011	13:04:43	0.035
10/10/2011	13:05:43	0.035
10/10/2011	13:06:43	0.035
10/10/2011	13:07:43	0.034
10/10/2011	13:08:43	0.035
10/10/2011	13:09:43	0.035
10/10/2011	13:10:43	0.035
10/10/2011	13:11:43	0.034
10/10/2011	13:12:43	0.034
10/10/2011	13:13:43	0.036
10/10/2011	13:14:43	0.035
10/10/2011	13:15:43	0.034
10/10/2011	13:16:43	0.036
10/10/2011	13:17:43	0.035
10/10/2011	13:18:43	0.036
10/10/2011	13:19:43	0.035
10/10/2011	13:20:43	0.035
10/10/2011	13:21:43	0.036
10/10/2011	13:22:43	0.035
10/10/2011	13:23:43	0.036
10/10/2011	13:24:43	0.036
10/10/2011	13:25:43	0.036
10/10/2011	13:26:43	0.036
10/10/2011	13:27:43	0.036
10/10/2011	13:28:43	0.036
10/10/2011	13:29:43	0.036
10/10/2011	13:30:43	0.036
10/10/2011	13:31:43	0.038
10/10/2011	13:32:43	0.037
10/10/2011	13:33:43	0.037
10/10/2011	13:34:43	0.036
10/10/2011	13:35:43	0.036
10/10/2011	13:36:43	0.035
10/10/2011	13:37:43	0.035
10/10/2011	13:38:43	0.035
10/10/2011	13:39:43	0.035
10/10/2011	13:40:43	0.036
10/10/2011	13:41:43	0.036
10/10/2011	13:42:43	0.037
10/10/2011	13:43:43	0.037
10/10/2011	13:44:43	0.036
10/10/2011	13:45:43	0.036
10/10/2011	13:46:43	0.036
10/10/2011	13:47:43	0.036
10/10/2011	13:48:43	0.037
10/10/2011	13:49:43	0.036
10/10/2011	13:50:43	0.036
10/10/2011	13:51:43	0.036
10/10/2011	13:52:43	0.036

10/10/2011	13:53:43	0.036
10/10/2011	13:54:43	0.036
10/10/2011	13:55:43	0.035
10/10/2011	13:56:43	0.036
10/10/2011	13:57:43	0.035
10/10/2011	13:58:43	0.035
10/10/2011	13:59:43	0.036
10/10/2011	14:00:43	0.037
10/10/2011	14:01:43	0.037
10/10/2011	14:02:43	0.037
10/10/2011	14:03:43	0.037
10/10/2011	14:04:43	0.037
10/10/2011	14:05:43	0.037
10/10/2011	14:06:43	0.036
10/10/2011	14:07:43	0.036
10/10/2011	14:08:43	0.036
10/10/2011	14:09:43	0.038
10/10/2011	14:10:43	0.037
10/10/2011	14:11:43	0.036
10/10/2011	14:12:43	0.036
10/10/2011	14:13:43	0.036
10/10/2011	14:14:43	0.036
10/10/2011	14:15:43	0.035
10/10/2011	14:16:43	0.036
10/10/2011	14:17:43	0.036
10/10/2011	14:18:43	0.035
10/10/2011	14:19:43	0.037
10/10/2011	14:20:43	0.036
10/10/2011	14:21:43	0.036
10/10/2011	14:22:43	0.035
10/10/2011	14:23:43	0.036
10/10/2011	14:24:43	0.036
10/10/2011	14:25:43	0.035
10/10/2011	14:26:43	0.036
10/10/2011	14:27:43	0.036
10/10/2011	14:28:43	0.035
10/10/2011	14:29:43	0.036
10/10/2011	14:30:43	0.035
10/10/2011	14:31:43	0.036
10/10/2011	14:32:43	0.035
10/10/2011	14:33:43	0.035
10/10/2011	14:34:43	0.035
10/10/2011	14:35:43	0.036
10/10/2011	14:36:43	0.036
10/10/2011	14:37:43	0.036
10/10/2011	14:38:43	0.036
10/10/2011	14:39:43	0.036
10/10/2011	14:40:43	0.036
10/10/2011	14:41:43	0.036
10/10/2011	14:42:43	0.035
10/10/2011	14:43:43	0.036
10/10/2011	14:44:43	0.036
10/10/2011	14:45:43	0.036
10/10/2011	14:46:43	0.036

10/10/2011	14:47:43	0.036
10/10/2011	14:48:43	0.037
10/10/2011	14:49:43	0.036
10/10/2011	14:50:43	0.036
10/10/2011	14:51:43	0.036
10/10/2011	14:52:43	0.035
10/10/2011	14:53:43	0.036
10/10/2011	14:54:43	0.035
10/10/2011	14:55:43	0.035
10/10/2011	14:56:43	0.035
10/10/2011	14:57:43	0.036
10/10/2011	14:58:43	0.035
10/10/2011	14:59:43	0.036
10/10/2011	15:00:43	0.035
10/10/2011	15:01:43	0.035
10/10/2011	15:02:43	0.038
10/10/2011	15:03:43	0.035
10/10/2011	15:04:43	0.036
10/10/2011	15:05:43	0.035
10/10/2011	15:06:43	0.034
10/10/2011	15:07:43	0.034
10/10/2011	15:08:43	0.035
10/10/2011	15:09:43	0.035
10/10/2011	15:10:43	0.034
10/10/2011	15:11:43	0.034
10/10/2011	15:12:43	0.032
10/10/2011	15:13:43	0.031
10/10/2011	15:14:43	0.032
10/10/2011	15:15:43	0.032
10/10/2011	15:16:43	0.032
10/10/2011	15:17:43	0.033
10/10/2011	15:18:43	0.033
10/10/2011	15:19:43	0.034
10/10/2011	15:20:43	0.035
10/10/2011	15:21:43	0.036
10/10/2011	15:22:43	0.036
10/10/2011	15:23:43	0.036
10/10/2011	15:24:43	0.035
10/10/2011	15:25:43	0.035
10/10/2011	15:26:43	0.036
10/10/2011	15:27:43	0.038
10/10/2011	15:28:43	0.041
10/10/2011	15:29:43	0.037
10/10/2011	15:30:43	0.037
10/10/2011	15:31:43	0.036
10/10/2011	15:32:43	0.039
10/10/2011	15:33:43	0.036
10/10/2011	15:34:43	0.035
10/10/2011	15:35:43	0.035
10/10/2011	15:36:43	0.035
10/10/2011	15:37:43	0.035
10/10/2011	15:38:43	0.035
10/10/2011	15:39:43	0.035
10/10/2011	16:48:40	0

10/10/2011	16:48:43	0.032
10/10/2011	16:49:43	0.03
10/10/2011	16:50:43	0.022
10/10/2011	16:51:43	0.021
10/10/2011	16:52:43	0.022
10/10/2011	16:53:43	0.019
10/10/2011	16:54:43	0.019
10/10/2011	16:55:43	0.019
10/10/2011	16:56:43	0.019
10/10/2011	16:57:43	0.019
10/10/2011	16:58:43	0.019
10/10/2011	16:59:43	0.019
10/10/2011	17:00:43	0.019
10/10/2011	17:01:43	0.019
10/10/2011	17:02:43	0.019
10/10/2011	17:03:43	0.019
10/10/2011	17:04:43	0.018
10/10/2011	17:05:43	0.018
10/10/2011	17:06:43	0.019
10/10/2011	17:07:43	0.019
10/10/2011	17:08:43	0.019
10/10/2011	17:09:43	0.019
10/10/2011	17:10:43	0.019
10/10/2011	17:11:43	0.019
10/10/2011	17:12:43	0.019
10/10/2011	17:13:43	0.019
10/10/2011	17:14:43	0.019
10/10/2011	17:15:43	0.019
10/10/2011	17:16:43	0.019
10/10/2011	17:17:43	0.019
10/10/2011	17:18:43	0.019
10/10/2011	17:19:43	0.019
10/10/2011	17:20:43	0.023
10/10/2011	17:21:43	0.021
10/10/2011	17:22:43	0.027
10/10/2011	17:23:43	0.026
10/10/2011	17:24:43	0.025
10/10/2011	17:25:43	0.022
10/10/2011	17:26:43	0.021
10/10/2011	17:27:43	0.021
10/10/2011	17:28:43	0.021
10/10/2011	17:29:43	0.021
10/10/2011	17:30:43	0.02
10/10/2011	17:31:43	0.021
10/10/2011	17:32:43	0.02
10/10/2011	17:33:43	0.02
10/10/2011	17:34:43	0.02
10/10/2011	17:35:43	0.02
10/10/2011	17:36:43	0.02
10/10/2011	17:37:43	0.02
10/10/2011	17:38:43	0.02
10/10/2011	17:39:43	0.02
10/10/2011	17:40:43	0.02
10/10/2011	17:41:43	0.02

10/10/2011	17:42:43	0.02
10/10/2011	17:43:43	0.02
10/10/2011	17:44:43	0.02
10/10/2011	17:45:43	0.02
10/10/2011	17:46:43	0.02
10/10/2011	17:47:43	0.02
10/10/2011	17:48:43	0.02
10/10/2011	17:49:43	0.021
10/10/2011	17:50:43	0.021
10/10/2011	17:51:43	0.02
10/10/2011	17:52:43	0.02
10/10/2011	17:53:43	0.02
10/10/2011	17:54:43	0.02
10/10/2011	17:55:43	0.02
10/10/2011	17:56:43	0.02
10/10/2011	17:57:43	0.021
10/10/2011	17:58:43	0.02
10/10/2011	17:59:43	0.02
10/10/2011	18:00:43	0.021
10/10/2011	18:01:43	0.021
10/10/2011	18:02:43	0.021
10/10/2011	18:03:43	0.021
10/10/2011	18:04:43	0.021
10/10/2011	18:05:43	0.02
10/10/2011	18:06:43	0.021
10/10/2011	18:07:43	0.021
10/10/2011	18:08:43	0.021
10/10/2011	18:09:43	0.021
10/10/2011	18:10:43	0.021
10/10/2011	18:11:43	0.021
10/10/2011	18:12:43	0.021
10/10/2011	18:13:43	0.021
10/10/2011	18:14:43	0.021
10/10/2011	18:15:43	0.021
10/10/2011	18:16:43	0.022
10/10/2011	18:17:43	0.021
10/10/2011	18:18:43	0.021
10/10/2011	18:19:43	0.021
10/10/2011	18:20:43	0.021
10/10/2011	18:21:43	0.022
10/10/2011	18:22:43	0.021
10/10/2011	18:23:43	0.022
10/10/2011	18:24:43	0.022
10/10/2011	18:25:43	0.022
10/10/2011	18:26:43	0.022
10/10/2011	18:27:43	0.022
10/10/2011	18:28:43	0.022
10/10/2011	18:29:43	0.022
10/10/2011	18:30:43	0.022
10/10/2011	18:31:43	0.022
10/10/2011	18:32:43	0.022
10/10/2011	18:33:43	0.022
10/10/2011	18:34:43	0.022
10/10/2011	18:35:43	0.022

10/10/2011	18:36:43	0.022
10/10/2011	18:37:43	0.022
10/10/2011	18:38:43	0.022
10/10/2011	18:39:43	0.022
10/10/2011	18:40:43	0.022
10/10/2011	18:41:43	0.022
10/10/2011	18:42:43	0.022
10/10/2011	18:43:43	0.022
10/10/2011	18:44:43	0.022
10/10/2011	18:45:43	0.022
10/10/2011	18:46:43	0.022
10/10/2011	18:47:43	0.022
10/10/2011	18:48:43	0.023
10/10/2011	18:49:43	0.022
10/10/2011	18:50:43	0.022
10/10/2011	18:51:43	0.022
10/10/2011	18:52:43	0.022
10/10/2011	18:53:43	0.023
10/10/2011	18:54:43	0.022
10/10/2011	18:55:43	0.022
10/10/2011	18:56:43	0.022
10/10/2011	18:57:43	0.022
10/10/2011	18:58:43	0.022
10/10/2011	18:59:43	0.022
10/10/2011	19:00:43	0.022
10/10/2011	19:01:43	0.022
10/10/2011	19:02:43	0.022
10/10/2011	19:03:43	0.022
10/10/2011	19:04:43	0.022
10/10/2011	19:05:43	0.022
10/10/2011	19:06:43	0.022
10/10/2011	19:07:43	0.023
10/10/2011	19:08:43	0.022
10/10/2011	19:09:43	0.023
10/10/2011	19:10:43	0.022
10/10/2011	19:11:43	0.022
10/10/2011	19:12:43	0.023
10/10/2011	19:13:43	0.023
10/10/2011	19:14:43	0.023
10/10/2011	19:15:43	0.023
10/10/2011	19:16:43	0.023
10/10/2011	19:17:43	0.023
10/10/2011	19:18:43	0.023
10/10/2011	19:19:43	0.023
10/10/2011	19:20:43	0.022
10/10/2011	19:21:43	0.022
10/10/2011	19:22:43	0.023
10/10/2011	19:23:43	0.023
10/10/2011	19:24:43	0.023
10/10/2011	19:25:43	0.023
10/10/2011	19:26:43	0.023
10/10/2011	19:27:43	0.023
10/10/2011	19:28:43	0.023
10/10/2011	19:29:43	0.023

10/10/2011	19:30:43	0.023
10/10/2011	19:31:43	0.023
10/10/2011	19:32:43	0.023
10/10/2011	19:33:43	0.023
10/10/2011	19:34:43	0.023
10/10/2011	19:35:43	0.022
10/10/2011	19:36:43	0.023
10/10/2011	19:37:43	0.023
10/10/2011	19:38:43	0.023
10/10/2011	19:39:43	0.023
10/10/2011	19:40:43	0.023
10/10/2011	19:41:43	0.023
10/10/2011	19:42:43	0.023
10/10/2011	19:43:43	0.023
10/10/2011	19:44:43	0.023
10/10/2011	19:45:43	0.023
10/10/2011	19:46:43	0.023
10/10/2011	19:47:43	0.023
10/10/2011	19:48:43	0.023
10/10/2011	19:49:43	0.023
10/10/2011	19:50:43	0.023
10/10/2011	19:51:43	0.023
10/10/2011	19:52:43	0.023
10/10/2011	19:53:43	0.023
10/10/2011	19:54:43	0.023
10/10/2011	19:55:43	0.023
10/10/2011	19:56:43	0.023
10/10/2011	19:57:43	0.023
10/10/2011	19:58:43	0.023
10/10/2011	19:59:43	0.023
10/10/2011	20:00:43	0.023
10/10/2011	20:01:43	0.023
10/10/2011	20:02:43	0.023
10/10/2011	20:03:43	0.023
10/10/2011	20:04:43	0.023

10-10-11 Downwind

Instrument Name	DustTrak DRX
Model Number	8530
Serial Number	8530101704
Firmware Version	2.7
Calibration Date	3/28/2011
Test Name	TEST 1_002
Test Start Time	8:28:44 AM
Test Start Date	10/10/2011
Test Length [D:H:M]	0:07:00
Test Interval [M:S]	15:00
PM1 Average [mg/m3]	0.002
PM1 Minimum [mg/m3]	0
PM1 Maximum [mg/m3]	0.023
PM1 TWA [mg/m3]	0.002
PM2.5 Average [mg/m3]	0.002
PM2.5 Minimum [mg/m3]	0
PM2.5 Maximum [mg/m3]	0.023
PM2.5 TWA [mg/m3]	0.002
PM4 Average [mg/m3]	0.003
PM4 Minimum [mg/m3]	0
PM4 Maximum [mg/m3]	0.025
PM4 TWA [mg/m3]	0.002
PM10 Average [mg/m3]	0.004
PM10 Minimum [mg/m3]	0
PM10 Maximum [mg/m3]	0.029
PM10 TWA [mg/m3]	0.003
TOTAL Average [mg/m3]	0.004
TOTAL Minimum [mg/m3]	0
TOTAL Maximum [mg/m3]	0.029
TOTAL TWA [mg/m3]	0.004
Photometric User Cal	1
Size Correction User Cal	1
Flow User Cal	1
Errors	
Number of Samples	28

Elapsed Time [s]	PM1 [mg/m3]	PM2.5 [mg/m3]	PM4 [mg/m3]	PM10 [mg/m3]	TOTAL [mg/m3]
900	0.023	0.023	0.025	0.029	0.029
1800	0.022	0.023	0.025	0.028	0.028
2700	0.016	0.017	0.019	0.022	0.023
3600	0.006	0.006	0.008	0.012	0.013
4500	0.001	0.001	0.003	0.006	0.006
5400	0	0	0	0.002	0.003
6300	0	0	0	0.002	0.002
7200	0	0	0	0.002	0.002
8100	0	0	0	0	0
9000	0	0	0	0	0
9900	0	0	0	0	0
10800	0	0	0	0	0.001
11700	0	0	0	0.002	0.003
12600	0	0	0	0.002	0.003
13500	0	0	0	0.001	0.001
14400	0	0	0	0	0
15300	0	0	0	0	0.001

16200	0	0	0	0	0.001
17100	0	0	0	0	0
18000	0	0	0	0	0.001
18900	0	0	0	0	0
19800	0	0	0	0	0.001
20700	0	0	0	0	0.001
21600	0	0	0	0	0.001
22500	0	0	0	0	0
23400	0	0	0	0	0.001
24300	0	0	0	0	0
25200	0	0	0	0	0

Alarms Errors

10-11-11 Upwind
TrakPro Version 4.51 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530104704
Test ID: 8
Test Abbreviation: WORK_ZONE_008
Start Date: 10/11/2011
Start Time: 8:14:38
Duration (dd:hh:mm:ss): 0:08:26:00
Log Interval (mm:ss): 1:00
Number of points: 506
Notes:

Statistics Channel: AEROSOL
Units: mg/m³
Average: 0.002
Minimum: 0
Time of Minimum 9:26:38
Date of Minimum 10/11/2011
Maximum: 0.022
Time of Maximum 8:23:38
Date of Maximum 10/11/2011

Calibration Sensor: AEROSOL
Cal. date 11/17/2010

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
10/11/2011	8:15:38	0.009
10/11/2011	8:16:38	0.014
10/11/2011	8:17:38	0.015
10/11/2011	8:18:38	0.016
10/11/2011	8:19:38	0.016
10/11/2011	8:20:38	0.018
10/11/2011	8:21:38	0.019
10/11/2011	8:22:38	0.02
10/11/2011	8:23:38	0.022
10/11/2011	8:24:38	0.021
10/11/2011	8:25:38	0.022
10/11/2011	8:26:38	0.022
10/11/2011	8:27:38	0.021
10/11/2011	8:28:38	0.021
10/11/2011	8:29:38	0.021
10/11/2011	8:30:38	0.02
10/11/2011	8:31:38	0.021
10/11/2011	8:32:38	0.021
10/11/2011	8:33:38	0.021
10/11/2011	8:34:38	0.021
10/11/2011	8:35:38	0.02
10/11/2011	8:36:38	0.02
10/11/2011	8:37:38	0.021
10/11/2011	8:38:38	0.02
10/11/2011	8:39:38	0.02

10/11/2011	8:40:38	0.02
10/11/2011	8:41:38	0.018
10/11/2011	8:42:38	0.018
10/11/2011	8:43:38	0.018
10/11/2011	8:44:38	0.018
10/11/2011	8:45:38	0.017
10/11/2011	8:46:38	0.017
10/11/2011	8:47:38	0.017
10/11/2011	8:48:38	0.017
10/11/2011	8:49:38	0.017
10/11/2011	8:50:38	0.016
10/11/2011	8:51:38	0.015
10/11/2011	8:52:38	0.015
10/11/2011	8:53:38	0.014
10/11/2011	8:54:38	0.014
10/11/2011	8:55:38	0.013
10/11/2011	8:56:38	0.013
10/11/2011	8:57:38	0.012
10/11/2011	8:58:38	0.011
10/11/2011	8:59:38	0.011
10/11/2011	9:00:38	0.01
10/11/2011	9:01:38	0.009
10/11/2011	9:02:38	0.01
10/11/2011	9:03:38	0.008
10/11/2011	9:04:38	0.007
10/11/2011	9:05:38	0.007
10/11/2011	9:06:38	0.008
10/11/2011	9:07:38	0.007
10/11/2011	9:08:38	0.007
10/11/2011	9:09:38	0.006
10/11/2011	9:10:38	0.006
10/11/2011	9:11:38	0.005
10/11/2011	9:12:38	0.004
10/11/2011	9:13:38	0.003
10/11/2011	9:14:38	0.003
10/11/2011	9:15:38	0.004
10/11/2011	9:16:38	0.004
10/11/2011	9:17:38	0.002
10/11/2011	9:18:38	0.003
10/11/2011	9:19:38	0.003
10/11/2011	9:20:38	0.002
10/11/2011	9:21:38	0.001
10/11/2011	9:22:38	0.001
10/11/2011	9:23:38	0.001
10/11/2011	9:24:38	0.001
10/11/2011	9:25:38	0.001
10/11/2011	9:26:38	0
10/11/2011	9:27:38	0
10/11/2011	9:28:38	0
10/11/2011	9:29:38	0
10/11/2011	9:30:38	0
10/11/2011	9:31:38	0
10/11/2011	9:32:38	0
10/11/2011	9:33:38	0
10/11/2011	9:34:38	0

10/11/2011	9:35:38	0.001
10/11/2011	9:36:38	0
10/11/2011	9:37:38	0
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10/11/2011	9:44:38	0
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10/11/2011	10:03:38	0
10/11/2011	10:04:38	0
10/11/2011	10:05:38	0
10/11/2011	10:06:38	0
10/11/2011	10:07:38	0
10/11/2011	10:08:38	0
10/11/2011	10:09:38	0
10/11/2011	10:10:38	0
10/11/2011	10:11:38	0
10/11/2011	10:12:38	0
10/11/2011	10:13:38	0
10/11/2011	10:14:38	0
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10/11/2011	10:16:38	0
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10/11/2011	10:19:38	0
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10/11/2011	10:25:38	0
10/11/2011	10:26:38	0
10/11/2011	10:27:38	0
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10/11/2011	10:56:38	0
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10/11/2011	10:58:38	0
10/11/2011	10:59:38	0
10/11/2011	11:00:38	0
10/11/2011	11:01:38	0
10/11/2011	11:02:38	0
10/11/2011	11:03:38	0
10/11/2011	11:04:38	0
10/11/2011	11:05:38	0
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10/11/2011	11:07:38	0
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10/11/2011	14:12:38	0
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10/11/2011	14:46:38	0
10/11/2011	14:47:38	0
10/11/2011	14:48:38	0
10/11/2011	14:49:38	0
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10/11/2011	14:59:38	0
10/11/2011	15:00:38	0
10/11/2011	15:01:38	0
10/11/2011	15:02:38	0
10/11/2011	15:03:38	0
10/11/2011	15:04:38	0

10/11/2011	15:05:38	0
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10/11/2011	15:07:38	0
10/11/2011	15:08:38	0
10/11/2011	15:09:38	0
10/11/2011	15:10:38	0
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10/11/2011	15:42:38	0
10/11/2011	15:43:38	0
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10/11/2011	15:48:38	0
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10/11/2011	15:55:38	0
10/11/2011	15:56:38	0
10/11/2011	15:57:38	0
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10/11/2011	15:59:38	0

10/11/2011	16:00:38	0
10/11/2011	16:01:38	0
10/11/2011	16:02:38	0
10/11/2011	16:03:38	0
10/11/2011	16:04:38	0
10/11/2011	16:05:38	0
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10/11/2011	16:36:38	0
10/11/2011	16:37:38	0
10/11/2011	16:38:38	0
10/11/2011	16:39:38	0
10/11/2011	16:40:38	0

10-11-11 Downwind

Instrument Name	DustTrak DRX
Model Number	8530
Serial Number	8530101704
Firmware Version	2.7
Calibration Date	3/28/2011
Test Name	TEST 1_003
Test Start Time	7:57:11 AM
Test Start Date	10/11/2011
Test Length [D:H:M]	0:09:27
Test Interval [M:S]	15:00
PM1 Average [mg/m3]	0.05
PM1 Minimum [mg/m3]	0
PM1 Maximum [mg/m3]	0.157
PM1 TWA [mg/m3]	0
PM2.5 Average [mg/m3]	0.051
PM2.5 Minimum [mg/m3]	0
PM2.5 Maximum [mg/m3]	0.164
PM2.5 TWA [mg/m3]	0
PM4 Average [mg/m3]	0.054
PM4 Minimum [mg/m3]	0
PM4 Maximum [mg/m3]	0.205
PM4 TWA [mg/m3]	0
PM10 Average [mg/m3]	0.064
PM10 Minimum [mg/m3]	0
PM10 Maximum [mg/m3]	0.357
PM10 TWA [mg/m3]	0
TOTAL Average [mg/m3]	0.067
TOTAL Minimum [mg/m3]	0
TOTAL Maximum [mg/m3]	0.403
TOTAL TWA [mg/m3]	0
Photometric User Cal	1
Size Correction User Cal	1
Flow User Cal	1
Errors	
Number of Samples	35

Elapsed Time [s]	PM1 [mg/m3]	PM2.5 [mg/m3]	PM4 [mg/m3]	PM10 [mg/m3]	TOTAL [mg/m3]	Alarms	Errors
900	0.088	0.088	0.089	0.093	0.093		
1800	0.09	0.09	0.092	0.096	0.096		

2700	0.089	0.089	0.091	0.095	0.095
3600	0.086	0.086	0.087	0.091	0.091
4500	0.081	0.081	0.083	0.086	0.086
5400	0.071	0.072	0.073	0.076	0.077
6300	0.064	0.064	0.065	0.068	0.069
7200	0.058	0.059	0.06	0.063	0.064
8100	0.054	0.054	0.056	0.059	0.059
9000	0.056	0.056	0.058	0.062	0.063
9900	0.056	0.057	0.058	0.064	0.065
10800	0.052	0.053	0.054	0.059	0.06
11700	0.05	0.05	0.052	0.056	0.057
12600	0.054	0.055	0.058	0.072	0.075
13500	0.051	0.051	0.053	0.059	0.06
14400	0.042	0.043	0.045	0.05	0.051
15300	0.034	0.035	0.036	0.039	0.04
16200	0.032	0.032	0.034	0.037	0.037
17100	0.031	0.031	0.032	0.035	0.035
18000	0.029	0.03	0.031	0.033	0.034
18900	0.029	0.03	0.031	0.037	0.038
19800	0.025	0.025	0.026	0.028	0.029
20700	0.026	0.026	0.027	0.029	0.029
21600	0.026	0.026	0.027	0.03	0.03
22500	0.039	0.04	0.045	0.061	0.065
23400	0.157	0.164	0.205	0.357	0.403
24300	0.068	0.07	0.084	0.134	0.146
25200	0.033	0.033	0.035	0.041	0.041
26100	0.032	0.032	0.034	0.041	0.042
27000	0.039	0.04	0.045	0.061	0.064
27900	0.029	0.03	0.032	0.039	0.04
28800	0.024	0.025	0.026	0.031	0.031
29700	0.019	0.019	0.02	0.024	0.024
30600	0.035	0.036	0.039	0.048	0.049
34065	0	0	0	0	0

10-12-11 Downwind
TrakPro Version 4.51 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530104704
Test ID: 9
Test Abbreviation: WORK_ZONE_009
Start Date: 10/12/2011
Start Time: 7:51:22
Duration (dd:hh:mm:ss): 0:07:09:00
Log Interval (mm:ss): 1:00
Number of points: 429
Notes:

Statistics Channel: AEROSOL
Units: mg/m³
Average: 0.033
Minimum: 0.017
Time of Minimum: 13:57:22
Date of Minimum: 10/12/2011
Maximum: 0.065
Time of Maximum: 8:19:22
Date of Maximum: 10/12/2011

Calibration Sensor: AEROSOL
Cal. date 11/17/2010

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
10/12/2011	7:52:22	0.062
10/12/2011	7:53:22	0.06
10/12/2011	7:54:22	0.06
10/12/2011	7:55:22	0.059
10/12/2011	7:56:22	0.058
10/12/2011	7:57:22	0.058
10/12/2011	7:58:22	0.059
10/12/2011	7:59:22	0.058
10/12/2011	8:00:22	0.058
10/12/2011	8:01:22	0.059
10/12/2011	8:02:22	0.06
10/12/2011	8:03:22	0.06
10/12/2011	8:04:22	0.06
10/12/2011	8:05:22	0.059
10/12/2011	8:06:22	0.058
10/12/2011	8:07:22	0.058
10/12/2011	8:08:22	0.059
10/12/2011	8:09:22	0.059
10/12/2011	8:10:22	0.06
10/12/2011	8:11:22	0.059
10/12/2011	8:12:22	0.059
10/12/2011	8:13:22	0.059
10/12/2011	8:14:22	0.059
10/12/2011	8:15:22	0.059

10/12/2011	8:16:22	0.06
10/12/2011	8:17:22	0.061
10/12/2011	8:18:22	0.063
10/12/2011	8:19:22	0.065
10/12/2011	8:20:22	0.064
10/12/2011	8:21:22	0.063
10/12/2011	8:22:22	0.065
10/12/2011	8:23:22	0.064
10/12/2011	8:24:22	0.064
10/12/2011	8:25:22	0.065
10/12/2011	8:26:22	0.063
10/12/2011	8:27:22	0.062
10/12/2011	8:28:22	0.061
10/12/2011	8:29:22	0.062
10/12/2011	8:30:22	0.063
10/12/2011	8:31:22	0.063
10/12/2011	8:32:22	0.062
10/12/2011	8:33:22	0.061
10/12/2011	8:34:22	0.059
10/12/2011	8:35:22	0.058
10/12/2011	8:36:22	0.06
10/12/2011	8:37:22	0.061
10/12/2011	8:38:22	0.059
10/12/2011	8:39:22	0.061
10/12/2011	8:40:22	0.063
10/12/2011	8:41:22	0.061
10/12/2011	8:42:22	0.063
10/12/2011	8:43:22	0.063
10/12/2011	8:44:22	0.062
10/12/2011	8:45:22	0.06
10/12/2011	8:46:22	0.06
10/12/2011	8:47:22	0.061
10/12/2011	8:48:22	0.06
10/12/2011	8:49:22	0.062
10/12/2011	8:50:22	0.061
10/12/2011	8:51:22	0.061
10/12/2011	8:52:22	0.061
10/12/2011	8:53:22	0.06
10/12/2011	8:54:22	0.061
10/12/2011	8:55:22	0.061
10/12/2011	8:56:22	0.061
10/12/2011	8:57:22	0.062
10/12/2011	8:58:22	0.061
10/12/2011	8:59:22	0.06
10/12/2011	9:00:22	0.06
10/12/2011	9:01:22	0.061
10/12/2011	9:02:22	0.061
10/12/2011	9:03:22	0.062
10/12/2011	9:04:22	0.062
10/12/2011	9:05:22	0.062
10/12/2011	9:06:22	0.061
10/12/2011	9:07:22	0.061
10/12/2011	9:08:22	0.06
10/12/2011	9:09:22	0.06

10/12/2011	9:10:22	0.06
10/12/2011	9:11:22	0.059
10/12/2011	9:12:22	0.058
10/12/2011	9:13:22	0.059
10/12/2011	9:14:22	0.058
10/12/2011	9:15:22	0.058
10/12/2011	9:16:22	0.058
10/12/2011	9:17:22	0.056
10/12/2011	9:18:22	0.055
10/12/2011	9:19:22	0.055
10/12/2011	9:20:22	0.056
10/12/2011	9:21:22	0.054
10/12/2011	9:22:22	0.051
10/12/2011	9:23:22	0.051
10/12/2011	9:24:22	0.055
10/12/2011	9:25:22	0.056
10/12/2011	9:26:22	0.055
10/12/2011	9:27:22	0.053
10/12/2011	9:28:22	0.051
10/12/2011	9:29:22	0.052
10/12/2011	9:30:22	0.05
10/12/2011	9:31:22	0.051
10/12/2011	9:32:22	0.048
10/12/2011	9:33:22	0.046
10/12/2011	9:34:22	0.047
10/12/2011	9:35:22	0.048
10/12/2011	9:36:22	0.046
10/12/2011	9:37:22	0.043
10/12/2011	9:38:22	0.043
10/12/2011	9:39:22	0.046
10/12/2011	9:40:22	0.047
10/12/2011	9:41:22	0.046
10/12/2011	9:42:22	0.044
10/12/2011	9:43:22	0.043
10/12/2011	9:44:22	0.044
10/12/2011	9:45:22	0.042
10/12/2011	9:46:22	0.041
10/12/2011	9:47:22	0.042
10/12/2011	9:48:22	0.043
10/12/2011	9:49:22	0.041
10/12/2011	9:50:22	0.04
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10/12/2011	9:52:22	0.041
10/12/2011	9:53:22	0.04
10/12/2011	9:54:22	0.04
10/12/2011	9:55:22	0.042
10/12/2011	9:56:22	0.04
10/12/2011	9:57:22	0.04
10/12/2011	9:58:22	0.041
10/12/2011	9:59:22	0.04
10/12/2011	10:00:22	0.04
10/12/2011	10:01:22	0.04
10/12/2011	10:02:22	0.038
10/12/2011	10:03:22	0.038

10/12/2011	10:04:22	0.038
10/12/2011	10:05:22	0.038
10/12/2011	10:06:22	0.037
10/12/2011	10:07:22	0.039
10/12/2011	10:08:22	0.039
10/12/2011	10:09:22	0.038
10/12/2011	10:10:22	0.037
10/12/2011	10:11:22	0.036
10/12/2011	10:12:22	0.038
10/12/2011	10:13:22	0.036
10/12/2011	10:14:22	0.037
10/12/2011	10:15:22	0.036
10/12/2011	10:16:22	0.034
10/12/2011	10:17:22	0.035
10/12/2011	10:18:22	0.041
10/12/2011	10:19:22	0.038
10/12/2011	10:20:22	0.039
10/12/2011	10:21:22	0.043
10/12/2011	10:22:22	0.036
10/12/2011	10:23:22	0.036
10/12/2011	10:24:22	0.028
10/12/2011	10:25:22	0.024
10/12/2011	10:26:22	0.033
10/12/2011	10:27:22	0.028
10/12/2011	10:28:22	0.03
10/12/2011	10:29:22	0.029
10/12/2011	10:30:22	0.028
10/12/2011	10:31:22	0.029
10/12/2011	10:32:22	0.027
10/12/2011	10:33:22	0.025
10/12/2011	10:34:22	0.025
10/12/2011	10:35:22	0.026
10/12/2011	10:36:22	0.026
10/12/2011	10:37:22	0.026
10/12/2011	10:38:22	0.027
10/12/2011	10:39:22	0.026
10/12/2011	10:40:22	0.026
10/12/2011	10:41:22	0.026
10/12/2011	10:42:22	0.026
10/12/2011	10:43:22	0.025
10/12/2011	10:44:22	0.043
10/12/2011	10:45:22	0.028
10/12/2011	10:46:22	0.036
10/12/2011	10:47:22	0.028
10/12/2011	10:48:22	0.023
10/12/2011	10:49:22	0.023
10/12/2011	10:50:22	0.023
10/12/2011	10:51:22	0.023
10/12/2011	10:52:22	0.023
10/12/2011	10:53:22	0.023
10/12/2011	10:54:22	0.022
10/12/2011	10:55:22	0.021
10/12/2011	10:56:22	0.022
10/12/2011	10:57:22	0.021

10/12/2011	10:58:22	0.022
10/12/2011	10:59:22	0.022
10/12/2011	11:00:22	0.022
10/12/2011	11:01:22	0.022
10/12/2011	11:02:22	0.023
10/12/2011	11:03:22	0.023
10/12/2011	11:04:22	0.022
10/12/2011	11:05:22	0.022
10/12/2011	11:06:22	0.022
10/12/2011	11:07:22	0.021
10/12/2011	11:08:22	0.022
10/12/2011	11:09:22	0.022
10/12/2011	11:10:22	0.021
10/12/2011	11:11:22	0.024
10/12/2011	11:12:22	0.022
10/12/2011	11:13:22	0.025
10/12/2011	11:14:22	0.023
10/12/2011	11:15:22	0.022
10/12/2011	11:16:22	0.022
10/12/2011	11:17:22	0.022
10/12/2011	11:18:22	0.023
10/12/2011	11:19:22	0.023
10/12/2011	11:20:22	0.022
10/12/2011	11:21:22	0.025
10/12/2011	11:22:22	0.024
10/12/2011	11:23:22	0.023
10/12/2011	11:24:22	0.023
10/12/2011	11:25:22	0.023
10/12/2011	11:26:22	0.025
10/12/2011	11:27:22	0.028
10/12/2011	11:28:22	0.024
10/12/2011	11:29:22	0.023
10/12/2011	11:30:22	0.024
10/12/2011	11:31:22	0.025
10/12/2011	11:32:22	0.023
10/12/2011	11:33:22	0.029
10/12/2011	11:34:22	0.029
10/12/2011	11:35:22	0.024
10/12/2011	11:36:22	0.025
10/12/2011	11:37:22	0.025
10/12/2011	11:38:22	0.024
10/12/2011	11:39:22	0.023
10/12/2011	11:40:22	0.023
10/12/2011	11:41:22	0.023
10/12/2011	11:42:22	0.023
10/12/2011	11:43:22	0.022
10/12/2011	11:44:22	0.022
10/12/2011	11:45:22	0.021
10/12/2011	11:46:22	0.022
10/12/2011	11:47:22	0.021
10/12/2011	11:48:22	0.022
10/12/2011	11:49:22	0.022
10/12/2011	11:50:22	0.021
10/12/2011	11:51:22	0.021

10/12/2011	11:52:22	0.022
10/12/2011	11:53:22	0.022
10/12/2011	11:54:22	0.021
10/12/2011	11:55:22	0.022
10/12/2011	11:56:22	0.022
10/12/2011	11:57:22	0.021
10/12/2011	11:58:22	0.022
10/12/2011	11:59:22	0.022
10/12/2011	12:00:22	0.022
10/12/2011	12:01:22	0.022
10/12/2011	12:02:22	0.022
10/12/2011	12:03:22	0.022
10/12/2011	12:04:22	0.022
10/12/2011	12:05:22	0.022
10/12/2011	12:06:22	0.022
10/12/2011	12:07:22	0.022
10/12/2011	12:08:22	0.022
10/12/2011	12:09:22	0.022
10/12/2011	12:10:22	0.022
10/12/2011	12:11:22	0.022
10/12/2011	12:12:22	0.023
10/12/2011	12:13:22	0.022
10/12/2011	12:14:22	0.022
10/12/2011	12:15:22	0.023
10/12/2011	12:16:22	0.023
10/12/2011	12:17:22	0.022
10/12/2011	12:18:22	0.022
10/12/2011	12:19:22	0.022
10/12/2011	12:20:22	0.023
10/12/2011	12:21:22	0.022
10/12/2011	12:22:22	0.023
10/12/2011	12:23:22	0.023
10/12/2011	12:24:22	0.022
10/12/2011	12:25:22	0.023
10/12/2011	12:26:22	0.023
10/12/2011	12:27:22	0.023
10/12/2011	12:28:22	0.023
10/12/2011	12:29:22	0.023
10/12/2011	12:30:22	0.023
10/12/2011	12:31:22	0.023
10/12/2011	12:32:22	0.023
10/12/2011	12:33:22	0.023
10/12/2011	12:34:22	0.023
10/12/2011	12:35:22	0.022
10/12/2011	12:36:22	0.023
10/12/2011	12:37:22	0.023
10/12/2011	12:38:22	0.023
10/12/2011	12:39:22	0.023
10/12/2011	12:40:22	0.023
10/12/2011	12:41:22	0.024
10/12/2011	12:42:22	0.024
10/12/2011	12:43:22	0.024
10/12/2011	12:44:22	0.025
10/12/2011	12:45:22	0.023

10/12/2011	12:46:22	0.026
10/12/2011	12:47:22	0.026
10/12/2011	12:48:22	0.025
10/12/2011	12:49:22	0.025
10/12/2011	12:50:22	0.024
10/12/2011	12:51:22	0.023
10/12/2011	12:52:22	0.024
10/12/2011	12:53:22	0.023
10/12/2011	12:54:22	0.023
10/12/2011	12:55:22	0.024
10/12/2011	12:56:22	0.024
10/12/2011	12:57:22	0.025
10/12/2011	12:58:22	0.025
10/12/2011	12:59:22	0.024
10/12/2011	13:00:22	0.023
10/12/2011	13:01:22	0.023
10/12/2011	13:02:22	0.022
10/12/2011	13:03:22	0.022
10/12/2011	13:04:22	0.023
10/12/2011	13:05:22	0.023
10/12/2011	13:06:22	0.023
10/12/2011	13:07:22	0.023
10/12/2011	13:08:22	0.023
10/12/2011	13:09:22	0.023
10/12/2011	13:10:22	0.023
10/12/2011	13:11:22	0.023
10/12/2011	13:12:22	0.023
10/12/2011	13:13:22	0.023
10/12/2011	13:14:22	0.022
10/12/2011	13:15:22	0.022
10/12/2011	13:16:22	0.022
10/12/2011	13:17:22	0.023
10/12/2011	13:18:22	0.023
10/12/2011	13:19:22	0.022
10/12/2011	13:20:22	0.023
10/12/2011	13:21:22	0.023
10/12/2011	13:22:22	0.022
10/12/2011	13:23:22	0.022
10/12/2011	13:24:22	0.022
10/12/2011	13:25:22	0.022
10/12/2011	13:26:22	0.023
10/12/2011	13:27:22	0.023
10/12/2011	13:28:22	0.023
10/12/2011	13:29:22	0.023
10/12/2011	13:30:22	0.022
10/12/2011	13:31:22	0.023
10/12/2011	13:32:22	0.023
10/12/2011	13:33:22	0.022
10/12/2011	13:34:22	0.022
10/12/2011	13:35:22	0.022
10/12/2011	13:36:22	0.022
10/12/2011	13:37:22	0.022
10/12/2011	13:38:22	0.021
10/12/2011	13:39:22	0.022

10/12/2011	13:40:22	0.023
10/12/2011	13:41:22	0.023
10/12/2011	13:42:22	0.022
10/12/2011	13:43:22	0.022
10/12/2011	13:44:22	0.023
10/12/2011	13:45:22	0.023
10/12/2011	13:46:22	0.024
10/12/2011	13:47:22	0.023
10/12/2011	13:48:22	0.023
10/12/2011	13:49:22	0.023
10/12/2011	13:50:22	0.021
10/12/2011	13:51:22	0.019
10/12/2011	13:52:22	0.019
10/12/2011	13:53:22	0.02
10/12/2011	13:54:22	0.02
10/12/2011	13:55:22	0.019
10/12/2011	13:56:22	0.019
10/12/2011	13:57:22	0.017
10/12/2011	13:58:22	0.017
10/12/2011	13:59:22	0.017
10/12/2011	14:00:22	0.017
10/12/2011	14:01:22	0.017
10/12/2011	14:02:22	0.017
10/12/2011	14:03:22	0.017
10/12/2011	14:04:22	0.017
10/12/2011	14:05:22	0.018
10/12/2011	14:06:22	0.018
10/12/2011	14:07:22	0.018
10/12/2011	14:08:22	0.018
10/12/2011	14:09:22	0.018
10/12/2011	14:10:22	0.017
10/12/2011	14:11:22	0.018
10/12/2011	14:12:22	0.018
10/12/2011	14:13:22	0.018
10/12/2011	14:14:22	0.018
10/12/2011	14:15:22	0.018
10/12/2011	14:16:22	0.018
10/12/2011	14:17:22	0.019
10/12/2011	14:18:22	0.018
10/12/2011	14:19:22	0.018
10/12/2011	14:20:22	0.018
10/12/2011	14:21:22	0.018
10/12/2011	14:22:22	0.018
10/12/2011	14:23:22	0.018
10/12/2011	14:24:22	0.018
10/12/2011	14:25:22	0.018
10/12/2011	14:26:22	0.018
10/12/2011	14:27:22	0.018
10/12/2011	14:28:22	0.018
10/12/2011	14:29:22	0.018
10/12/2011	14:30:22	0.019
10/12/2011	14:31:22	0.019
10/12/2011	14:32:22	0.019
10/12/2011	14:33:22	0.019

10/12/2011	14:34:22	0.019
10/12/2011	14:35:22	0.02
10/12/2011	14:36:22	0.02
10/12/2011	14:37:22	0.02
10/12/2011	14:38:22	0.02
10/12/2011	14:39:22	0.021
10/12/2011	14:40:22	0.02
10/12/2011	14:41:22	0.021
10/12/2011	14:42:22	0.021
10/12/2011	14:43:22	0.021
10/12/2011	14:44:22	0.022
10/12/2011	14:45:22	0.021
10/12/2011	14:46:22	0.021
10/12/2011	14:47:22	0.021
10/12/2011	14:48:22	0.021
10/12/2011	14:49:22	0.021
10/12/2011	14:50:22	0.021
10/12/2011	14:51:22	0.021
10/12/2011	14:52:22	0.022
10/12/2011	14:53:22	0.022
10/12/2011	14:54:22	0.022
10/12/2011	14:55:22	0.022
10/12/2011	14:56:22	0.022
10/12/2011	14:57:22	0.022
10/12/2011	14:58:22	0.022
10/12/2011	14:59:22	0.023
10/12/2011	15:00:22	0.023

10-13-11 Upwind
Instrument Name DustTrak DRX
Model Number 8530
Serial Number 8530101704
Firmware Version 2.7
Calibration Date 3/28/2011
Test Name TEST 1_004
Test Start Time 7:42:29 AM
Test Start Date 10/13/2011
Test Length [D:H:M] 0:08:30
Test Interval [M:S] 15:00
PM1 Average [mg/m3] 0.006
PM1 Minimum [mg/m3] 0.001
PM1 Maximum [mg/m3] 0.011
PM1 TWA [mg/m3] 0.006
PM2.5 Average [mg/m3] 0.006
PM2.5 Minimum [mg/m3] 0.002
PM2.5 Maximum [mg/m3] 0.011
PM2.5 TWA [mg/m3] 0.006
PM4 Average [mg/m3] 0.006
PM4 Minimum [mg/m3] 0.002
PM4 Maximum [mg/m3] 0.012
PM4 TWA [mg/m3] 0.007
PM10 Average [mg/m3] 0.008
PM10 Minimum [mg/m3] 0.003
PM10 Maximum [mg/m3] 0.014
PM10 TWA [mg/m3] 0.008
TOTAL Average [mg/m3] 0.008
TOTAL Minimum [mg/m3] 0.003
TOTAL Maximum [mg/m3] 0.014
TOTAL TWA [mg/m3] 0.008
Photometric User Cal 1
Size Correction User Cal 1
Flow User Cal 1
Errors
Number of Samples 34

Elapsed Time [s]	PM1 [mg/m3]	PM2.5 [mg/m3]	PM4 [mg/m3]	PM10 [mg/m3]	TOTAL [mg/m3]	Alarms	Errors
900	0.01	0.011	0.012	0.014	0.014		
1800	0.011	0.011	0.012	0.014	0.014		

2700	0.011	0.011	0.012	0.014	0.014
3600	0.01	0.01	0.011	0.013	0.013
4500	0.009	0.009	0.01	0.012	0.012
5400	0.008	0.008	0.009	0.011	0.011
6300	0.008	0.008	0.009	0.011	0.011
7200	0.008	0.008	0.01	0.012	0.012
8100	0.009	0.009	0.01	0.012	0.012
9000	0.008	0.009	0.009	0.011	0.011
9900	0.007	0.007	0.008	0.009	0.009
10800	0.007	0.007	0.007	0.008	0.008
11700	0.007	0.007	0.008	0.009	0.009
12600	0.006	0.006	0.006	0.007	0.007
13500	0.005	0.005	0.005	0.006	0.006
14400	0.005	0.005	0.006	0.007	0.007
15300	0.006	0.006	0.007	0.008	0.008
16200	0.007	0.007	0.007	0.008	0.008
17100	0.005	0.005	0.005	0.006	0.006
18000	0.004	0.004	0.005	0.006	0.006
18900	0.003	0.003	0.004	0.004	0.004
19800	0.003	0.003	0.004	0.005	0.005
20700	0.004	0.004	0.004	0.005	0.005
21600	0.004	0.004	0.004	0.005	0.005
22500	0.003	0.003	0.004	0.004	0.005
23400	0.003	0.003	0.003	0.004	0.004
24300	0.002	0.002	0.003	0.003	0.003
25200	0.002	0.002	0.003	0.003	0.004
26100	0.002	0.002	0.002	0.003	0.003
27000	0.003	0.003	0.003	0.006	0.006
27900	0.003	0.003	0.004	0.005	0.005
28800	0.004	0.004	0.005	0.006	0.006
29700	0.001	0.002	0.002	0.003	0.003
30600	0.002	0.002	0.003	0.004	0.005

10-13-11 Downwind
TrakPro Version 4.51 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530104704
Test ID: 10
Test Abbreviation: WORK_ZONE_010
Start Date: 10/13/2011
Start Time: 7:48:07
Duration (dd:hh:mm:ss): 0:09:14:00
Log Interval (mm:ss): 1:00
Number of points: 511
Notes:

Statistics Channel: AEROSOL
Units: mg/m³
Average: 0.006
Minimum: 0
Time of Minim 17:02:41
Date of Minim 10/13/2011
Maximum: 0.015
Time of Maxim 12:02:07
Date of Maxim 10/13/2011

Calibration Sensor: AEROSOL
Cal. date 11/17/2010

Date MM/dd/yyyy	Time hh:mm:ss	AEROSOL mg/m ³
10/13/2011	7:49:07	0.008
10/13/2011	7:50:07	0.008
10/13/2011	7:51:07	0.008
10/13/2011	7:52:07	0.008
10/13/2011	7:53:07	0.008
10/13/2011	7:54:07	0.008
10/13/2011	7:55:07	0.008
10/13/2011	7:56:07	0.008
10/13/2011	7:57:07	0.008
10/13/2011	7:58:07	0.008
10/13/2011	7:59:07	0.007
10/13/2011	8:00:07	0.008
10/13/2011	8:01:07	0.008
10/13/2011	8:02:07	0.008
10/13/2011	8:03:07	0.008
10/13/2011	8:04:07	0.008
10/13/2011	8:05:07	0.008
10/13/2011	8:06:07	0.008
10/13/2011	8:07:07	0.008
10/13/2011	8:08:07	0.008
10/13/2011	8:09:07	0.007
10/13/2011	8:10:07	0.007
10/13/2011	8:11:07	0.007
10/13/2011	8:12:07	0.007
10/13/2011	8:13:07	0.007

10/13/2011	8:14:07	0.007
10/13/2011	8:15:07	0.007
10/13/2011	8:16:07	0.008
10/13/2011	8:17:07	0.008
10/13/2011	8:18:07	0.007
10/13/2011	8:19:07	0.007
10/13/2011	8:20:07	0.007
10/13/2011	8:21:07	0.007
10/13/2011	8:22:07	0.007
10/13/2011	8:23:07	0.007
10/13/2011	8:24:07	0.006
10/13/2011	8:25:07	0.007
10/13/2011	8:26:07	0.006
10/13/2011	8:27:07	0.006
10/13/2011	8:28:07	0.007
10/13/2011	8:29:07	0.006
10/13/2011	8:30:07	0.006
10/13/2011	8:31:07	0.006
10/13/2011	8:32:07	0.006
10/13/2011	8:33:07	0.006
10/13/2011	8:34:07	0.006
10/13/2011	8:35:07	0.006
10/13/2011	8:36:07	0.006
10/13/2011	8:37:07	0.006
10/13/2011	8:38:07	0.006
10/13/2011	8:39:07	0.007
10/13/2011	8:40:07	0.006
10/13/2011	8:41:07	0.006
10/13/2011	8:42:07	0.006
10/13/2011	8:43:07	0.006
10/13/2011	8:44:07	0.007
10/13/2011	8:45:07	0.008
10/13/2011	8:46:07	0.007
10/13/2011	8:47:07	0.007
10/13/2011	8:48:07	0.006
10/13/2011	8:49:07	0.006
10/13/2011	8:50:07	0.006
10/13/2011	8:51:07	0.006
10/13/2011	8:52:07	0.006
10/13/2011	8:53:07	0.006
10/13/2011	8:54:07	0.006
10/13/2011	8:55:07	0.005
10/13/2011	8:56:07	0.005
10/13/2011	8:57:07	0.005
10/13/2011	8:58:07	0.005
10/13/2011	8:59:07	0.005
10/13/2011	9:00:07	0.005
10/13/2011	9:01:07	0.005
10/13/2011	9:02:07	0.005
10/13/2011	9:03:07	0.005
10/13/2011	9:04:07	0.005
10/13/2011	9:05:07	0.005
10/13/2011	9:06:07	0.005
10/13/2011	9:07:07	0.005
10/13/2011	9:08:07	0.005

10/13/2011	9:09:07	0.004
10/13/2011	9:10:07	0.005
10/13/2011	9:11:07	0.004
10/13/2011	9:12:07	0.005
10/13/2011	9:13:07	0.005
10/13/2011	9:14:07	0.005
10/13/2011	9:15:07	0.005
10/13/2011	9:16:07	0.005
10/13/2011	9:17:07	0.009
10/13/2011	9:18:07	0.006
10/13/2011	9:19:07	0.005
10/13/2011	9:20:07	0.005
10/13/2011	9:21:07	0.005
10/13/2011	9:22:07	0.005
10/13/2011	9:23:07	0.006
10/13/2011	9:24:07	0.007
10/13/2011	9:25:07	0.006
10/13/2011	9:26:07	0.006
10/13/2011	9:27:07	0.005
10/13/2011	9:28:07	0.005
10/13/2011	9:29:07	0.006
10/13/2011	9:30:07	0.005
10/13/2011	9:31:07	0.006
10/13/2011	9:32:07	0.006
10/13/2011	9:33:07	0.005
10/13/2011	9:34:07	0.006
10/13/2011	9:35:07	0.006
10/13/2011	9:36:07	0.006
10/13/2011	9:37:07	0.006
10/13/2011	9:38:07	0.006
10/13/2011	9:39:07	0.005
10/13/2011	9:40:07	0.006
10/13/2011	9:41:07	0.005
10/13/2011	9:42:07	0.005
10/13/2011	9:43:07	0.005
10/13/2011	9:44:07	0.005
10/13/2011	9:45:07	0.005
10/13/2011	9:46:07	0.005
10/13/2011	9:47:07	0.005
10/13/2011	9:48:07	0.006
10/13/2011	9:49:07	0.005
10/13/2011	9:50:07	0.006
10/13/2011	9:51:07	0.005
10/13/2011	9:52:07	0.005
10/13/2011	9:53:07	0.005
10/13/2011	9:54:07	0.005
10/13/2011	9:55:07	0.005
10/13/2011	9:56:07	0.007
10/13/2011	9:57:07	0.005
10/13/2011	9:58:07	0.005
10/13/2011	9:59:07	0.005
10/13/2011	10:00:07	0.006
10/13/2011	10:01:07	0.006
10/13/2011	10:02:07	0.005
10/13/2011	10:03:07	0.005

10/13/2011	10:04:07	0.005
10/13/2011	10:05:07	0.01
10/13/2011	10:06:07	0.007
10/13/2011	10:07:07	0.005
10/13/2011	10:08:07	0.005
10/13/2011	10:09:07	0.006
10/13/2011	10:10:07	0.005
10/13/2011	10:11:07	0.004
10/13/2011	10:12:07	0.004
10/13/2011	10:13:07	0.005
10/13/2011	10:14:07	0.004
10/13/2011	10:15:07	0.007
10/13/2011	10:16:07	0.005
10/13/2011	10:17:07	0.004
10/13/2011	10:18:07	0.005
10/13/2011	10:19:07	0.007
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10/13/2011	10:21:07	0.005
10/13/2011	10:22:07	0.006
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10/13/2011	11:03:07	0.005
10/13/2011	11:04:07	0.005
10/13/2011	11:05:07	0.005
10/13/2011	11:06:07	0.005
10/13/2011	11:07:07	0.005
10/13/2011	11:08:07	0.005
10/13/2011	11:09:07	0.005
10/13/2011	11:10:07	0.005
10/13/2011	11:11:07	0.005
10/13/2011	11:12:07	0.005
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10/13/2011	11:26:07	0.004
10/13/2011	11:27:07	0.004
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10/13/2011	11:38:07	0.005
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10/13/2011	11:48:07	0.006
10/13/2011	11:49:07	0.009
10/13/2011	11:50:07	0.007
10/13/2011	11:51:07	0.005
10/13/2011	11:52:07	0.005
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10/13/2011	11:56:07	0.005
10/13/2011	11:57:07	0.005
10/13/2011	11:58:07	0.005
10/13/2011	11:59:07	0.005
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10/13/2011	12:08:07	0.006
10/13/2011	12:09:07	0.005
10/13/2011	12:10:07	0.005
10/13/2011	12:11:07	0.004
10/13/2011	12:12:07	0.007
10/13/2011	12:13:07	0.007
10/13/2011	12:14:07	0.005
10/13/2011	12:15:07	0.004
10/13/2011	12:16:07	0.004
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10/13/2011	12:34:07	0.005
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10/13/2011	12:36:07	0.005
10/13/2011	12:37:07	0.005
10/13/2011	12:38:07	0.005
10/13/2011	12:39:07	0.005
10/13/2011	12:40:07	0.005
10/13/2011	12:41:07	0.005
10/13/2011	12:42:07	0.005
10/13/2011	12:43:07	0.005
10/13/2011	12:44:07	0.005
10/13/2011	12:45:07	0.005
10/13/2011	12:46:07	0.005
10/13/2011	12:47:07	0.005
10/13/2011	12:48:07	0.005

10/13/2011	12:49:07	0.005
10/13/2011	12:50:07	0.005
10/13/2011	12:51:07	0.005
10/13/2011	12:52:07	0.005
10/13/2011	12:53:07	0.005
10/13/2011	12:54:07	0.005
10/13/2011	12:55:07	0.005
10/13/2011	12:56:07	0.005
10/13/2011	12:57:07	0.005
10/13/2011	12:58:07	0.009
10/13/2011	12:59:07	0.006
10/13/2011	13:00:07	0.005
10/13/2011	13:01:07	0.005
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10/13/2011	13:03:07	0.005
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10/13/2011	13:05:07	0.005
10/13/2011	13:06:07	0.005
10/13/2011	13:07:07	0.005
10/13/2011	13:08:07	0.005
10/13/2011	13:09:07	0.005
10/13/2011	13:10:07	0.005
10/13/2011	13:11:07	0.006
10/13/2011	13:12:07	0.005
10/13/2011	13:13:07	0.005
10/13/2011	13:14:07	0.005
10/13/2011	13:15:07	0.005
10/13/2011	13:16:07	0.006
10/13/2011	13:17:07	0.006
10/13/2011	13:18:07	0.007
10/13/2011	13:19:07	0.006
10/13/2011	13:20:07	0.006
10/13/2011	13:21:07	0.006
10/13/2011	13:22:07	0.006
10/13/2011	13:23:07	0.006
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10/13/2011	13:27:07	0.006
10/13/2011	13:28:07	0.006
10/13/2011	13:29:07	0.006
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10/13/2011	13:32:07	0.006
10/13/2011	13:33:07	0.007
10/13/2011	13:34:07	0.007
10/13/2011	13:35:07	0.006
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10/13/2011	13:38:07	0.007
10/13/2011	13:39:07	0.007
10/13/2011	13:40:07	0.006
10/13/2011	13:41:07	0.006
10/13/2011	13:42:07	0.006
10/13/2011	13:43:07	0.006

10/13/2011	13:44:07	0.006
10/13/2011	13:45:07	0.006
10/13/2011	13:46:07	0.006
10/13/2011	13:47:07	0.006
10/13/2011	13:48:07	0.006
10/13/2011	13:49:07	0.006
10/13/2011	13:50:07	0.006
10/13/2011	13:51:07	0.006
10/13/2011	13:52:07	0.006
10/13/2011	13:53:07	0.006
10/13/2011	13:54:07	0.006
10/13/2011	13:55:07	0.006
10/13/2011	13:56:07	0.006
10/13/2011	13:57:07	0.006
10/13/2011	13:58:07	0.006
10/13/2011	13:59:07	0.006
10/13/2011	14:00:07	0.006
10/13/2011	14:01:07	0.006
10/13/2011	14:02:07	0.006
10/13/2011	14:03:07	0.007
10/13/2011	14:04:07	0.006
10/13/2011	14:05:07	0.006
10/13/2011	14:06:07	0.006
10/13/2011	14:07:07	0.006
10/13/2011	14:08:07	0.006
10/13/2011	14:09:07	0.006
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10/13/2011	14:12:07	0.006
10/13/2011	14:13:07	0.007
10/13/2011	14:14:07	0.006
10/13/2011	14:15:07	0.006
10/13/2011	14:16:07	0.006
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10/13/2011	14:18:07	0.006
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10/13/2011	14:22:07	0.006
10/13/2011	14:23:07	0.006
10/13/2011	14:24:07	0.006
10/13/2011	14:25:07	0.006
10/13/2011	14:26:07	0.006
10/13/2011	14:27:07	0.005
10/13/2011	14:28:07	0.006
10/13/2011	14:29:07	0.006
10/13/2011	14:30:07	0.006
10/13/2011	14:31:07	0.006
10/13/2011	14:32:07	0.006
10/13/2011	14:33:07	0.006
10/13/2011	14:34:07	0.006
10/13/2011	14:35:07	0.006
10/13/2011	14:36:07	0.006
10/13/2011	14:37:07	0.006
10/13/2011	14:38:07	0.006

10/13/2011	14:39:07	0.006
10/13/2011	14:40:07	0.006
10/13/2011	14:41:07	0.006
10/13/2011	14:42:07	0.006
10/13/2011	14:43:07	0.006
10/13/2011	14:44:07	0.006
10/13/2011	14:45:07	0.006
10/13/2011	14:46:07	0.006
10/13/2011	14:47:07	0.006
10/13/2011	14:48:07	0.006
10/13/2011	14:49:07	0.006
10/13/2011	14:50:07	0.006
10/13/2011	14:51:07	0.006
10/13/2011	14:52:07	0.006
10/13/2011	14:53:07	0.006
10/13/2011	14:54:07	0.006
10/13/2011	14:55:07	0.006
10/13/2011	14:56:07	0.007
10/13/2011	14:57:07	0.006
10/13/2011	14:58:07	0.006
10/13/2011	14:59:07	0.006
10/13/2011	15:00:07	0.006
10/13/2011	15:01:07	0.006
10/13/2011	15:02:07	0.007
10/13/2011	15:03:07	0.007
10/13/2011	15:04:07	0.006
10/13/2011	15:05:07	0.006
10/13/2011	15:06:07	0.007
10/13/2011	15:07:07	0.007
10/13/2011	15:08:07	0.007
10/13/2011	15:09:07	0.007
10/13/2011	15:10:07	0.006
10/13/2011	15:11:07	0.007
10/13/2011	15:12:07	0.007
10/13/2011	15:13:07	0.007
10/13/2011	15:14:07	0.007
10/13/2011	15:15:07	0.007
10/13/2011	15:16:07	0.007
10/13/2011	15:17:07	0.007
10/13/2011	15:18:07	0.007
10/13/2011	15:19:07	0.007
10/13/2011	15:20:07	0.007
10/13/2011	15:21:07	0.007
10/13/2011	15:22:07	0.007
10/13/2011	15:23:07	0.007
10/13/2011	15:24:07	0.007
10/13/2011	15:25:07	0.007
10/13/2011	15:26:07	0.007
10/13/2011	15:27:07	0.007
10/13/2011	15:28:07	0.008
10/13/2011	15:29:07	0.008
10/13/2011	15:30:07	0.007
10/13/2011	15:31:07	0.007
10/13/2011	15:32:07	0.007
10/13/2011	15:33:07	0.007

10/13/2011	15:34:07	0.007
10/13/2011	15:35:07	0.007
10/13/2011	15:36:07	0.007
10/13/2011	15:37:07	0.007
10/13/2011	15:38:07	0.008
10/13/2011	15:39:07	0.01
10/13/2011	15:40:07	0.008
10/13/2011	15:41:07	0.007
10/13/2011	15:42:07	0.006
10/13/2011	15:43:07	0.006
10/13/2011	15:44:07	0.006
10/13/2011	15:45:07	0.006
10/13/2011	15:46:07	0.005
10/13/2011	15:47:07	0.005
10/13/2011	15:48:07	0.005
10/13/2011	15:49:07	0.005
10/13/2011	15:50:07	0.005
10/13/2011	15:51:07	0.005
10/13/2011	15:52:07	0.005
10/13/2011	15:53:07	0.005
10/13/2011	15:54:07	0.005
10/13/2011	15:55:07	0.004
10/13/2011	15:56:07	0.004
10/13/2011	15:57:07	0.005
10/13/2011	15:58:07	0.005
10/13/2011	15:59:07	0.005
10/13/2011	16:00:07	0.005
10/13/2011	16:01:07	0.005
10/13/2011	16:02:07	0.005
10/13/2011	16:03:07	0.005
10/13/2011	16:04:07	0.005
10/13/2011	16:05:07	0.005
10/13/2011	16:06:07	0.005
10/13/2011	16:07:07	0.005
10/13/2011	16:08:07	0.005
10/13/2011	16:09:07	0.005
10/13/2011	16:10:07	0.006
10/13/2011	16:11:07	0.006
10/13/2011	16:12:07	0.006
10/13/2011	16:13:07	0.005
10/13/2011	16:14:07	0.006
10/13/2011	16:15:07	0.006
10/13/2011	16:16:07	0.006
10/13/2011	16:17:07	0.006
10/13/2011	16:18:07	0.006
10/13/2011	17:02:41	0

10-14-11 Upwind
 Instrument Name DustTrak DRX
 Model Number 8530
 Serial Number 8530101704
 Firmware Version 2.7
 Calibration Date 3/28/2011
 Test Name TEST 1_005
 Test Start Time 7:35:11 AM
 Test Start Date 10/14/2011
 Test Length [D:H:M] 0:04:30
 Test Interval [M:S] 15:00
 PM1 Average [mg/m3] 0.015
 PM1 Minimum [mg/m3] 0.009
 PM1 Maximum [mg/m3] 0.024
 PM1 TWA [mg/m3] 0.009
 PM2.5 Average [mg/m3] 0.016
 PM2.5 Minimum [mg/m3] 0.01
 PM2.5 Maximum [mg/m3] 0.024
 PM2.5 TWA [mg/m3] 0.009
 PM4 Average [mg/m3] 0.017
 PM4 Minimum [mg/m3] 0.01
 PM4 Maximum [mg/m3] 0.026
 PM4 TWA [mg/m3] 0.009
 PM10 Average [mg/m3] 0.018
 PM10 Minimum [mg/m3] 0.012
 PM10 Maximum [mg/m3] 0.028
 PM10 TWA [mg/m3] 0.01
 TOTAL Average [mg/m3] 0.018
 TOTAL Minimum [mg/m3] 0.012
 TOTAL Maximum [mg/m3] 0.028
 TOTAL TWA [mg/m3] 0.01
 Photometric User Cal 1
 Size Correction User Cal 1
 Flow User Cal 1
 Errors
 Number of Samples 18

Elapsed Time [s]	PM1 [mg/m3]	PM2.5 [mg/m3]	PM4 [mg/m3]	PM10 [mg/m3]	TOTAL [mg/m3]	Alarms	Errors
900	0.017	0.017	0.018	0.021	0.021		
1800	0.018	0.018	0.02	0.022	0.022		

2700	0.019	0.019	0.02	0.022	0.022
3600	0.019	0.019	0.02	0.023	0.023
4500	0.024	0.024	0.026	0.028	0.028
5400	0.021	0.021	0.022	0.024	0.024
6300	0.017	0.018	0.019	0.02	0.02
7200	0.016	0.016	0.017	0.019	0.019
8100	0.015	0.015	0.016	0.017	0.017
9000	0.014	0.014	0.015	0.016	0.016
9900	0.012	0.012	0.012	0.014	0.014
10800	0.009	0.01	0.01	0.013	0.013
11700	0.013	0.013	0.014	0.016	0.016
12600	0.013	0.014	0.014	0.015	0.015
13500	0.016	0.016	0.017	0.018	0.018
14400	0.014	0.014	0.015	0.016	0.016
15300	0.01	0.01	0.011	0.012	0.012
16200	0.011	0.011	0.012	0.012	0.013

10-14-11 Downwind
TrakPro Version 4.51 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8.53E+09
Test ID: 11
Test Abbreviation: WORK_ZONE_011
Start Date: 10/14/2011
Start Time: 7:41:38
Duration (dd:hh:mm:ss): 0:05:19:00
Log Interval (mm:ss): 1:00
Number of points: 272
Notes:

Statistics Channel: AEROSOL
Units: mg/m³
Average: 0.011
Minimum: 0
Time of Minimum: 13:01:07
Date of Minimum: 10/14/2011
Maximum: 0.035
Time of Maximum: 12:00:38
Date of Maximum: 10/14/2011

Calibration Sensor: AEROSOL
Cal. date 11/17/2010

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m ³
10/14/2011	7:42:38	0.014
10/14/2011	7:43:38	0.012
10/14/2011	7:44:38	0.012
10/14/2011	7:45:38	0.012
10/14/2011	7:46:38	0.012
10/14/2011	7:47:38	0.012
10/14/2011	7:48:38	0.012
10/14/2011	7:49:38	0.013
10/14/2011	7:50:38	0.012
10/14/2011	7:51:38	0.012
10/14/2011	7:52:38	0.012
10/14/2011	7:53:38	0.012
10/14/2011	7:54:38	0.012
10/14/2011	7:55:38	0.013
10/14/2011	7:56:38	0.012
10/14/2011	7:57:38	0.012
10/14/2011	7:58:38	0.012
10/14/2011	7:59:38	0.013
10/14/2011	8:00:38	0.012
10/14/2011	8:01:38	0.013
10/14/2011	8:02:38	0.013
10/14/2011	8:03:38	0.013
10/14/2011	8:04:38	0.013
10/14/2011	8:05:38	0.013

10/14/2011	8:06:38	0.013
10/14/2011	8:07:38	0.013
10/14/2011	8:08:38	0.013
10/14/2011	8:09:38	0.013
10/14/2011	8:10:38	0.013
10/14/2011	8:11:38	0.013
10/14/2011	8:12:38	0.013
10/14/2011	8:13:38	0.013
10/14/2011	8:14:38	0.013
10/14/2011	8:15:38	0.013
10/14/2011	8:16:38	0.013
10/14/2011	8:17:38	0.013
10/14/2011	8:18:38	0.013
10/14/2011	8:19:38	0.013
10/14/2011	8:20:38	0.013
10/14/2011	8:21:38	0.013
10/14/2011	8:22:38	0.013
10/14/2011	8:23:38	0.013
10/14/2011	8:24:38	0.013
10/14/2011	8:25:38	0.013
10/14/2011	8:26:38	0.013
10/14/2011	8:27:38	0.013
10/14/2011	8:28:38	0.013
10/14/2011	8:29:38	0.013
10/14/2011	8:30:38	0.013
10/14/2011	8:31:38	0.013
10/14/2011	8:32:38	0.013
10/14/2011	8:33:38	0.014
10/14/2011	8:34:38	0.014
10/14/2011	8:35:38	0.013
10/14/2011	8:36:38	0.013
10/14/2011	8:37:38	0.013
10/14/2011	8:38:38	0.014
10/14/2011	8:39:38	0.013
10/14/2011	8:40:38	0.013
10/14/2011	8:41:38	0.014
10/14/2011	8:42:38	0.022
10/14/2011	8:43:38	0.014
10/14/2011	8:44:38	0.014
10/14/2011	8:45:38	0.014
10/14/2011	8:46:38	0.014
10/14/2011	8:47:38	0.014
10/14/2011	8:48:38	0.014
10/14/2011	8:49:38	0.015
10/14/2011	8:50:38	0.021
10/14/2011	8:51:38	0.016
10/14/2011	8:52:38	0.015
10/14/2011	8:53:38	0.015
10/14/2011	8:54:38	0.018
10/14/2011	8:55:38	0.017
10/14/2011	8:56:38	0.017
10/14/2011	8:57:38	0.014
10/14/2011	8:58:38	0.014
10/14/2011	8:59:38	0.015

10/14/2011	9:00:38	0.013
10/14/2011	9:01:38	0.013
10/14/2011	9:02:38	0.013
10/14/2011	9:03:38	0.014
10/14/2011	9:04:38	0.013
10/14/2011	9:05:38	0.013
10/14/2011	9:06:38	0.013
10/14/2011	9:07:38	0.013
10/14/2011	9:08:38	0.013
10/14/2011	9:09:38	0.013
10/14/2011	9:10:38	0.013
10/14/2011	9:11:38	0.013
10/14/2011	9:12:38	0.013
10/14/2011	9:13:38	0.013
10/14/2011	9:14:38	0.012
10/14/2011	9:15:38	0.012
10/14/2011	9:16:38	0.012
10/14/2011	9:17:38	0.012
10/14/2011	9:18:38	0.012
10/14/2011	9:19:38	0.012
10/14/2011	9:20:38	0.011
10/14/2011	9:21:38	0.011
10/14/2011	9:22:38	0.011
10/14/2011	9:23:38	0.01
10/14/2011	9:24:38	0.01
10/14/2011	9:25:38	0.011
10/14/2011	9:26:38	0.01
10/14/2011	9:27:38	0.01
10/14/2011	9:28:38	0.01
10/14/2011	9:29:38	0.01
10/14/2011	9:30:38	0.01
10/14/2011	9:31:38	0.01
10/14/2011	9:32:38	0.014
10/14/2011	9:33:38	0.015
10/14/2011	9:34:38	0.013
10/14/2011	9:35:38	0.011
10/14/2011	9:36:38	0.01
10/14/2011	9:37:38	0.01
10/14/2011	9:38:38	0.01
10/14/2011	9:39:38	0.009
10/14/2011	9:40:38	0.009
10/14/2011	9:41:38	0.013
10/14/2011	9:42:38	0.01
10/14/2011	9:43:38	0.009
10/14/2011	9:44:38	0.009
10/14/2011	9:45:38	0.009
10/14/2011	9:46:38	0.009
10/14/2011	9:47:38	0.009
10/14/2011	9:48:38	0.009
10/14/2011	9:49:38	0.009
10/14/2011	9:50:38	0.009
10/14/2011	9:51:38	0.009
10/14/2011	9:52:38	0.009
10/14/2011	9:53:38	0.009

10/14/2011	9:54:38	0.009
10/14/2011	9:55:38	0.009
10/14/2011	9:56:38	0.009
10/14/2011	9:57:38	0.009
10/14/2011	9:58:38	0.009
10/14/2011	9:59:38	0.009
10/14/2011	10:00:38	0.01
10/14/2011	10:01:38	0.009
10/14/2011	10:02:38	0.009
10/14/2011	10:03:38	0.009
10/14/2011	10:04:38	0.009
10/14/2011	10:05:38	0.008
10/14/2011	10:06:38	0.008
10/14/2011	10:07:38	0.008
10/14/2011	10:08:38	0.008
10/14/2011	10:09:38	0.008
10/14/2011	10:10:38	0.008
10/14/2011	10:11:38	0.009
10/14/2011	10:12:38	0.008
10/14/2011	10:13:38	0.008
10/14/2011	10:14:38	0.008
10/14/2011	10:15:38	0.008
10/14/2011	10:16:38	0.008
10/14/2011	10:17:38	0.008
10/14/2011	10:18:38	0.008
10/14/2011	10:19:38	0.008
10/14/2011	10:20:38	0.008
10/14/2011	10:21:38	0.008
10/14/2011	10:22:38	0.008
10/14/2011	10:23:38	0.008
10/14/2011	10:24:38	0.008
10/14/2011	10:25:38	0.008
10/14/2011	10:26:38	0.008
10/14/2011	10:27:38	0.006
10/14/2011	10:28:38	0.009
10/14/2011	10:29:38	0.007
10/14/2011	10:30:38	0.008
10/14/2011	10:31:38	0.006
10/14/2011	10:32:38	0.005
10/14/2011	10:33:38	0.005
10/14/2011	10:34:38	0.005
10/14/2011	10:35:38	0.004
10/14/2011	10:36:38	0.004
10/14/2011	10:37:38	0.005
10/14/2011	10:38:38	0.005
10/14/2011	10:39:38	0.005
10/14/2011	10:40:38	0.005
10/14/2011	10:41:38	0.006
10/14/2011	10:42:38	0.007
10/14/2011	10:43:38	0.009
10/14/2011	10:44:38	0.008
10/14/2011	10:45:38	0.007
10/14/2011	10:46:38	0.007
10/14/2011	10:47:38	0.011

10/14/2011	10:48:38	0.011
10/14/2011	10:49:38	0.008
10/14/2011	10:50:38	0.008
10/14/2011	10:51:38	0.008
10/14/2011	10:52:38	0.008
10/14/2011	10:53:38	0.008
10/14/2011	10:54:38	0.009
10/14/2011	10:55:38	0.009
10/14/2011	10:56:38	0.009
10/14/2011	10:57:38	0.009
10/14/2011	10:58:38	0.009
10/14/2011	10:59:38	0.01
10/14/2011	11:00:38	0.024
10/14/2011	11:01:38	0.011
10/14/2011	11:02:38	0.011
10/14/2011	11:03:38	0.011
10/14/2011	11:04:38	0.01
10/14/2011	11:05:38	0.011
10/14/2011	11:06:38	0.01
10/14/2011	11:07:38	0.011
10/14/2011	11:08:38	0.011
10/14/2011	11:09:38	0.011
10/14/2011	11:10:38	0.011
10/14/2011	11:11:38	0.011
10/14/2011	11:12:38	0.012
10/14/2011	11:13:38	0.012
10/14/2011	11:14:38	0.013
10/14/2011	11:15:38	0.013
10/14/2011	11:16:38	0.013
10/14/2011	11:17:38	0.012
10/14/2011	11:18:38	0.013
10/14/2011	11:19:38	0.011
10/14/2011	11:20:38	0.01
10/14/2011	11:21:38	0.01
10/14/2011	11:22:38	0.01
10/14/2011	11:23:38	0.01
10/14/2011	11:24:38	0.009
10/14/2011	11:25:38	0.009
10/14/2011	11:26:38	0.008
10/14/2011	11:27:38	0.009
10/14/2011	11:28:38	0.007
10/14/2011	11:29:38	0.007
10/14/2011	11:30:38	0.007
10/14/2011	11:31:38	0.008
10/14/2011	11:32:38	0.012
10/14/2011	11:33:38	0.007
10/14/2011	11:34:38	0.009
10/14/2011	11:35:38	0.007
10/14/2011	11:36:38	0.007
10/14/2011	11:37:38	0.007
10/14/2011	11:38:38	0.009
10/14/2011	11:39:38	0.009
10/14/2011	11:40:38	0.008
10/14/2011	11:41:38	0.007

10/14/2011	11:42:38	0.006
10/14/2011	11:43:38	0.007
10/14/2011	11:44:38	0.007
10/14/2011	11:45:38	0.007
10/14/2011	11:46:38	0.007
10/14/2011	11:47:38	0.007
10/14/2011	11:48:38	0.007
10/14/2011	11:49:38	0.007
10/14/2011	11:50:38	0.007
10/14/2011	11:51:38	0.006
10/14/2011	11:52:38	0.013
10/14/2011	11:53:38	0.007
10/14/2011	11:54:38	0.007
10/14/2011	11:55:38	0.007
10/14/2011	11:56:38	0.007
10/14/2011	11:57:38	0.007
10/14/2011	11:58:38	0.007
10/14/2011	11:59:38	0.008
10/14/2011	12:00:38	0.035
10/14/2011	12:01:38	0.013
10/14/2011	12:02:38	0.008
10/14/2011	12:03:38	0.008
10/14/2011	12:04:38	0.013
10/14/2011	12:05:38	0.01
10/14/2011	12:06:38	0.008
10/14/2011	12:07:38	0.008
10/14/2011	12:08:38	0.008
10/14/2011	12:09:38	0.008
10/14/2011	12:10:38	0.008
10/14/2011	12:11:38	0.009
10/14/2011	12:12:38	0.009
10/14/2011	13:01:07	0

APPENDIX C

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 169 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371

Rochester (866) 437-0255 * New Jersey (908) 581-4285

Eric D. Popken, Project Manager
Groundwater & Environmental Services
158 Sonwil Drive
Cheektowaga, NY 14225

Monday, October 24, 2011

RE: Analytical Report:
NYSDEC Depew Landfill

Order No.: U1110254

Dear Eric D. Popken, Project Manager:

Upstate Laboratories, Inc. received 2 sample(s) on 10/11/2011 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

AJS (PFF)

Anthony J. Scala
President/CEO

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services
Lab Order: U1110254
Project: NYSDEC Depew Landfill
Lab ID: U1110254-001

Client Sample ID: Exc Area 1 - Bottom
Collection Date: 10/7/2011 10:35:00 AM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES IN SOIL/SLUDGE BY EPA 8081A						
				8081A_S	(SW3550)	Analyst: EA
4,4'-DDD	ND	7.2		µg/Kg-dry	2	10/20/2011
4,4'-DDE	ND	7.2		µg/Kg-dry	2	10/20/2011
4,4'-DDT	ND	7.2	Q	µg/Kg-dry	2	10/20/2011
Aldrin	ND	3.7	Q	µg/Kg-dry	2	10/20/2011
alpha-BHC	ND	3.7		µg/Kg-dry	2	10/20/2011
alpha-Chlordane	ND	3.7		µg/Kg-dry	2	10/20/2011
beta-BHC	ND	3.7	Q	µg/Kg-dry	2	10/20/2011
Chlordane	ND	370		µg/Kg-dry	2	10/20/2011
delta-BHC	ND	3.7	Q	µg/Kg-dry	2	10/20/2011
Dieldrin	ND	7.2	Q	µg/Kg-dry	2	10/20/2011
Endosulfan I	ND	3.7	Q	µg/Kg-dry	2	10/20/2011
Endosulfan II	ND	7.2	Q	µg/Kg-dry	2	10/20/2011
Endosulfan sulfate	ND	7.2		µg/Kg-dry	2	10/20/2011
Endrin	ND	7.2	Q	µg/Kg-dry	2	10/20/2011
Endrin aldehyde	ND	7.2		µg/Kg-dry	2	10/20/2011
Endrin ketone	ND	7.2		µg/Kg-dry	2	10/20/2011
gamma-BHC	ND	3.7		µg/Kg-dry	2	10/20/2011
gamma-Chlordane	ND	3.7		µg/Kg-dry	2	10/20/2011
Heptachlor	ND	3.7		µg/Kg-dry	2	10/20/2011
Heptachlor epoxide	ND	3.7		µg/Kg-dry	2	10/20/2011
Methoxychlor	ND	37		µg/Kg-dry	2	10/20/2011
Toxaphene	ND	370		µg/Kg-dry	2	10/20/2011
NOTES:						
The reporting limits were raised due to matrix interference.						
PCB'S(SOIL/SLUDGE) BY EPA 8082						
				8082_S	(SW3550B)	Analyst: EA
Aroclor 1016	ND	0.090		mg/Kg-dry	1	10/12/2011
Aroclor 1221	ND	0.090		mg/Kg-dry	1	10/12/2011
Aroclor 1232	ND	0.090		mg/Kg-dry	1	10/12/2011
Aroclor 1242	ND	0.090		mg/Kg-dry	1	10/12/2011
Aroclor 1248	ND	0.090		mg/Kg-dry	1	10/12/2011
Aroclor 1254	ND	0.090		mg/Kg-dry	1	10/12/2011
Aroclor 1260	ND	0.090		mg/Kg-dry	1	10/12/2011
SOIL AND SOLID METALS BY ICP						
				6010B-S	(SW3050B)	Analyst: DEB
Beryllium	ND	0.54		mg/Kg-dry	1	10/19/2011 12:35:09 PM
Cadmium	1.4	0.54		mg/Kg-dry	1	10/19/2011 12:35:09 PM
Chromium	6.3	5.4		mg/Kg-dry	1	10/19/2011 12:35:09 PM
Copper	13	2.2		mg/Kg-dry	1	10/19/2011 12:35:09 PM
Nickel	14	3.3		mg/Kg-dry	1	10/19/2011 12:35:09 PM

Approved By: PFF

Date: 10-24-11

Page 1 of 10

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services
Lab Order: U1110254
Project: NYSDEC Depew Landfill
Lab ID: U1110254-001

Client Sample ID: Exc Area 1 - Bottom
Collection Date: 10/7/2011 10:35:00 AM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP						
				6010B-S	(SW3050B)	Analyst: DEB
Silver	ND	5.4	Q	mg/Kg-dry	1	10/19/2011 12:35:09 PM
Zinc	42	1.1	Q	mg/Kg-dry	1	10/19/2011 12:35:09 PM
SOIL AND SOLID METALS BY ICP-MS						
				6020_S	(SW3050B)	Analyst: DEB
Antimony	ND	5.4	Q	mg/Kg-dry	10	10/18/2011 1:06:00 PM
Arsenic	ND	5.4		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Lead	9.2	3.3		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Selenium	ND	3.3		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Thallium	ND	3.3	Q	mg/Kg-dry	10	10/18/2011 1:06:00 PM
NOTES:						
The reporting limits were raised due to matrix interference.						
TOTAL MERCURY - SOIL/SOLID/WASTE						
				7471A	(SW7471A)	Analyst: ALW
Mercury	ND	0.109	Q	mg/Kg-dry	1	10/18/2011 2:37:00 PM
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
				8270_05_S	(SW3550A)	Analyst: LD
(3+4)-Methylphenol	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
1,2,4,5-Tetrachlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
1,2,4-Trichlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
1,2-Dichlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
1,3-Dichlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
1,4-Dichlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2,4,5-Trichlorophenol	ND	360		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2,4,6-Trichlorophenol	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2,4-Dichlorophenol	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2,4-Dimethylphenol	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2,4-Dinitrophenol	ND	360		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2,4-Dinitrotoluene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2,6-Dinitrotoluene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2-Chloronaphthalene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2-Chlorophenol	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2-Methylnaphthalene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2-Methylphenol	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2-Nitroaniline	ND	360		µg/Kg-dry	1	10/18/2011 8:33:00 PM
2-Nitrophenol	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
3,3'-Dichlorobenzidine	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
3-Nitroaniline	ND	360		µg/Kg-dry	1	10/18/2011 8:33:00 PM
4,6-Dinitro-2-methylphenol	ND	360		µg/Kg-dry	1	10/18/2011 8:33:00 PM
4-Bromophenyl phenyl ether	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
4-Chloro-3-methylphenol	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM

Approved By: PFF

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services
Lab Order: U1110254
Project: NYSDEC Depew Landfill
Lab ID: U1110254-001

Client Sample ID: Exc Area 1 - Bottom
Collection Date: 10/7/2011 10:35:00 AM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
				8270_05_S	(SW3550A)	Analyst: LD
4-Chloroaniline	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
4-Chlorophenyl phenyl ether	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
4-Nitroaniline	ND	360		µg/Kg-dry	1	10/18/2011 8:33:00 PM
4-Nitrophenol	ND	360		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Acenaphthene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Acenaphthylene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Acetophenone	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Anthracene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Atrazine	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Benz(a)anthracene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Benzaldehyde	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Benzo(a)pyrene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Benzo(b)fluoranthene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Benzo(g,h,i)perylene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Benzo(k)fluoranthene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Biphenyl	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Bis(2-chloroethoxy)methane	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Bis(2-chloroethyl)ether	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Bis(2-chloroisopropyl)ether	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Bis(2-ethylhexyl)phthalate	240	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Butyl benzyl phthalate	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Caprolactam	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Carbazole	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Chrysene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Di-n-butyl phthalate	80	180	J	µg/Kg-dry	1	10/18/2011 8:33:00 PM
Di-n-octyl phthalate	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Dibenz(a,h)anthracene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Dibenzofuran	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Diethyl phthalate	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Dimethyl phthalate	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Fluoranthene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Fluorene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Hexachlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Hexachlorobutadiene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Hexachlorocyclopentadiene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Hexachloroethane	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Indeno(1,2,3-cd)pyrene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Isophorone	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
N-Nitrosodi-n-propylamine	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM

Approved By: PFF

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services
Lab Order: U1110254
Project: NYSDEC Depew Landfill
Lab ID: U1110254-001

Client Sample ID: Exc Area 1 - Bottom
Collection Date: 10/7/2011 10:35:00 AM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
				8270_05_S	(SW3550A)	Analyst: LD
N-Nitrosodiphenylamine	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Naphthalene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Nitrobenzene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Pentachlorophenol	ND	360		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Phenanthrene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Phenol	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
Pyrene	ND	180		µg/Kg-dry	1	10/18/2011 8:33:00 PM
METHOD 8260B 2005 LIST VOLATILES IN SOIL						
				8260_05_S		Analyst: EMZ
1,2,3-Trichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,2,4-Trichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,2,4-Trimethylbenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,2-Dibromo-3-chloropropane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,2-Dibromoethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,2-Dichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,3,5-Trimethylbenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,3-Dichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,4-Dichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,4-Dioxane	ND	110		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Bromochloromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Cyclohexane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Dichlorodifluoromethane	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
Freon-113	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
Isopropylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
Methyl Acetate	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Methyl tert-butyl ether	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
Methylcyclohexane	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
n-Butylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
n-Propylbenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
sec-Butylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
tert-Butylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
Trichlorofluoromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Chloromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Vinyl chloride	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Bromomethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Chloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Acetone	ND	11	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,1-Dichloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Carbon disulfide	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM

Approved By: **PFF**

Date: **10-24-11**

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services Client Sample ID: Exc Area 1 - Bottom
 Lab Order: U1110254 Collection Date: 10/7/2011 10:35:00 AM
 Project: NYSDEC Depew Landfill
 Lab ID: U1110254-001 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METHOD 8260B 2005 LIST VOLATILES IN SOIL				8260_05_S		Analyst: EMZ
Methylene chloride	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
trans-1,2-Dichloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,1-Dichloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
2-Butanone	ND	11	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
cis-1,2-Dichloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Chloroform	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,1,1-Trichloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Carbon tetrachloride	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
Benzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,2-Dichloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Trichloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,2-Dichloropropane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Bromodichloromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
4-Methyl-2-pentanone	ND	11		µg/Kg-dry	1	10/20/2011 7:44:00 PM
cis-1,3-Dichloropropene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Toluene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
trans-1,3-Dichloropropene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,1,2-Trichloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
2-Hexanone	ND	11		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Tetrachloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Dibromochloromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Chlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Ethylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
m,p-Xylene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
o-Xylene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 7:44:00 PM
Styrene	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
Bromoform	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
1,1,2,2-Tetrachloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 7:44:00 PM
PERCENT MOISTURE BY ASTM D2216				PMOIST		Analyst: KLS
Percent Moisture	7.92	0.0100		wt%	1	10/17/2011

Approved By: PFF

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services Client Sample ID: Exc Area 1 - Composite
 Lab Order: U1110254 Collection Date: 10/7/2011 12:10:00 PM
 Project: NYSDEC Depew Landfill
 Lab ID: U1110254-002 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES IN SOIL/SLUDGE BY EPA 8081A						
				8081A_S	(SW3550)	Analyst: EA
4,4'-DDD	ND	7.6		µg/Kg-dry	2	10/20/2011
4,4'-DDE	ND	7.6		µg/Kg-dry	2	10/20/2011
4,4'-DDT	ND	7.6	Q	µg/Kg-dry	2	10/20/2011
Aldrin	ND	3.9	Q	µg/Kg-dry	2	10/20/2011
alpha-BHC	ND	3.9		µg/Kg-dry	2	10/20/2011
alpha-Chlordane	ND	3.9		µg/Kg-dry	2	10/20/2011
beta-BHC	ND	3.9	Q	µg/Kg-dry	2	10/20/2011
Chlordane	ND	390		µg/Kg-dry	2	10/20/2011
delta-BHC	ND	3.9	Q	µg/Kg-dry	2	10/20/2011
Dieldrin	ND	7.6	Q	µg/Kg-dry	2	10/20/2011
Endosulfan I	ND	3.9	Q	µg/Kg-dry	2	10/20/2011
Endosulfan II	ND	7.6	Q	µg/Kg-dry	2	10/20/2011
Endosulfan sulfate	ND	7.6		µg/Kg-dry	2	10/20/2011
Endrin	ND	7.6	Q	µg/Kg-dry	2	10/20/2011
Endrin aldehyde	ND	7.6		µg/Kg-dry	2	10/20/2011
Endrin ketone	ND	7.6		µg/Kg-dry	2	10/20/2011
gamma-BHC	ND	3.9		µg/Kg-dry	2	10/20/2011
gamma-Chlordane	ND	3.9		µg/Kg-dry	2	10/20/2011
Heptachlor	ND	3.9		µg/Kg-dry	2	10/20/2011
Heptachlor epoxide	ND	3.9		µg/Kg-dry	2	10/20/2011
Methoxychlor	ND	39		µg/Kg-dry	2	10/20/2011
Toxaphene	ND	390		µg/Kg-dry	2	10/20/2011

NOTES:

The reporting limits were raised due to matrix interference.

PCB'S(SOIL/SLUDGE) BY EPA 8082						
				8082_S	(SW3550B)	Analyst: EA
Aroclor 1016	ND	0.095		mg/Kg-dry	1	10/12/2011
Aroclor 1221	ND	0.095		mg/Kg-dry	1	10/12/2011
Aroclor 1232	ND	0.095		mg/Kg-dry	1	10/12/2011
Aroclor 1242	ND	0.095		mg/Kg-dry	1	10/12/2011
Aroclor 1248	ND	0.095		mg/Kg-dry	1	10/12/2011
Aroclor 1254	ND	0.095		mg/Kg-dry	1	10/12/2011
Aroclor 1260	ND	0.095		mg/Kg-dry	1	10/12/2011

SOIL AND SOLID METALS BY ICP						
				6010B-S	(SW3050B)	Analyst: DEB
Barium	43	34		mg/Kg-dry	1	10/19/2011 12:41:00 PM
Cadmium	1.3	0.57		mg/Kg-dry	1	10/19/2011 12:41:00 PM
Chromium	6.1	5.7		mg/Kg-dry	1	10/19/2011 12:41:00 PM
Copper	15	2.3		mg/Kg-dry	1	10/19/2011 12:41:00 PM
Nickel	13	3.4		mg/Kg-dry	1	10/19/2011 12:41:00 PM

Approved By: **PFF**

Date: **10-24-11**

Page 6 of 10

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services Client Sample ID: Exc Area 1 - Composite
 Lab Order: U1110254 Collection Date: 10/7/2011 12:10:00 PM
 Project: NYSDEC Depew Landfill
 Lab ID: U1110254-002 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP						
Silver	ND	5.7	Q	mg/Kg-dry	1	10/19/2011 12:41:00 PM
Zinc	50	1.1	Q	mg/Kg-dry	1	10/19/2011 12:41:00 PM
SOIL AND SOLID METALS BY ICP-MS						
Antimony	ND	5.7	Q	mg/Kg-dry	10	10/18/2011 1:06:00 PM
Arsenic	ND	5.7		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Lead	15	3.4		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Selenium	ND	3.4		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Thallium	ND	3.4	Q	mg/Kg-dry	10	10/18/2011 1:06:00 PM
NOTES:						
The reporting limits were raised due to matrix interference.						
TOTAL MERCURY - SOIL/SOLID/WASTE						
Mercury	ND	0.115	Q	mg/Kg-dry	1	10/18/2011 2:37:00 PM
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
(3+4)-Methylphenol	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
1,2,4,5-Tetrachlorobenzene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
1,2,4-Trichlorobenzene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
1,2-Dichlorobenzene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
1,3-Dichlorobenzene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
1,4-Dichlorobenzene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2,4,5-Trichlorophenol	ND	380		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2,4,6-Trichlorophenol	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2,4-Dichlorophenol	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2,4-Dimethylphenol	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2,4-Dinitrophenol	ND	380		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2,4-Dinitrotoluene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2,6-Dinitrotoluene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2-Chloronaphthalene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2-Chlorophenol	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2-Methylnaphthalene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2-Methylphenol	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2-Nitroaniline	ND	380		µg/Kg-dry	1	10/18/2011 8:57:00 PM
2-Nitrophenol	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
3,3'-Dichlorobenzidine	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
3-Nitroaniline	ND	380		µg/Kg-dry	1	10/18/2011 8:57:00 PM
4,6-Dinitro-2-methylphenol	ND	380		µg/Kg-dry	1	10/18/2011 8:57:00 PM
4-Bromophenyl phenyl ether	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
4-Chloro-3-methylphenol	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM

Approved By: PFF

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services
Lab Order: U1110254
Project: NYSDEC Depew Landfill
Lab ID: U1110254-002

Client Sample ID: Exc Area 1 - Composite
Collection Date: 10/7/2011 12:10:00 PM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
				8270_05_S	(SW3550A)	Analyst: LD
4-Chloroaniline	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
4-Chlorophenyl phenyl ether	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
4-Nitroaniline	ND	380		µg/Kg-dry	1	10/18/2011 8:57:00 PM
4-Nitrophenol	ND	380		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Acenaphthene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Acenaphthylene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Acetophenone	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Anthracene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Atrazine	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Benz(a)anthracene	43	190	J	µg/Kg-dry	1	10/18/2011 8:57:00 PM
Benzaldehyde	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Benzo(a)pyrene	44	190	J	µg/Kg-dry	1	10/18/2011 8:57:00 PM
Benzo(b)fluoranthene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Benzo(g,h,i)perylene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Benzo(k)fluoranthene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Biphenyl	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Bis(2-chloroethoxy)methane	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Bis(2-chloroethyl)ether	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Bis(2-chloroisopropyl)ether	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Bis(2-ethylhexyl)phthalate	290	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Butyl benzyl phthalate	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Caprolactam	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Carbazole	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Chrysene	57	190	J	µg/Kg-dry	1	10/18/2011 8:57:00 PM
Di-n-butyl phthalate	94	190	J	µg/Kg-dry	1	10/18/2011 8:57:00 PM
Di-n-octyl phthalate	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Dibenz(a,h)anthracene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Dibenzofuran	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Diethyl phthalate	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Dimethyl phthalate	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Fluoranthene	89	190	J	µg/Kg-dry	1	10/18/2011 8:57:00 PM
Fluorene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Hexachlorobenzene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Hexachlorobutadiene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Hexachlorocyclopentadiene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Hexachloroethane	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Indeno(1,2,3-cd)pyrene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Isophorone	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
N-Nitrosodi-n-propylamine	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM

Approved By: **PFF**

Date: **10-24-11**

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
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E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services
Lab Order: U1110254
Project: NYSDEC Depew Landfill
Lab ID: U1110254-002

Client Sample ID: Exc Area 1 - Composite
Collection Date: 10/7/2011 12:10:00 PM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
				8270_05_S	(SW3550A)	Analyst: LD
N-Nitrosodiphenylamine	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Naphthalene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Nitrobenzene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Pentachlorophenol	ND	380		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Phenanthrene	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Phenol	ND	190		µg/Kg-dry	1	10/18/2011 8:57:00 PM
Pyrene	70	190	J	µg/Kg-dry	1	10/18/2011 8:57:00 PM
METHOD 8260B 2005 LIST VOLATILES IN SOIL						
				8260_05_S		Analyst: EMZ
1,2,3-Trichlorobenzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,2,4-Trichlorobenzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,2,4-Trimethylbenzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,2-Dibromo-3-chloropropane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,2-Dibromoethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,2-Dichlorobenzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,3,5-Trimethylbenzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,3-Dichlorobenzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,4-Dichlorobenzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,4-Dioxane	ND	110		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Bromochloromethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Cyclohexane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Dichlorodifluoromethane	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
Freon-113	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
Isopropylbenzene	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
Methyl Acetate	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Methyl tert-butyl ether	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
Methylcyclohexane	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
n-Butylbenzene	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
n-Propylbenzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
sec-Butylbenzene	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
tert-Butylbenzene	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
Trichlorofluoromethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Chloromethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Vinyl chloride	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Bromomethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Chloroethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Acetone	ND	11	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,1-Dichloroethene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Carbon disulfide	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM

Approved By: PFF

Date: 10-24-11

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J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services

Client Sample ID: Exc Area 1 - Composite

Lab Order: U1110254

Collection Date: 10/7/2011 12:10:00 PM

Project: NYSDEC Depew Landfill

Lab ID: U1110254-002

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METHOD 8260B 2005 LIST VOLATILES IN SOIL				8260_05_S		Analyst: EMZ
Methylene chloride	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
trans-1,2-Dichloroethene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,1-Dichloroethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
2-Butanone	ND	11	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
cis-1,2-Dichloroethene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Chloroform	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,1,1-Trichloroethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Carbon tetrachloride	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
Benzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,2-Dichloroethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Trichloroethene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,2-Dichloropropane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Bromodichloromethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
4-Methyl-2-pentanone	ND	11		µg/Kg-dry	1	10/20/2011 8:30:00 PM
cis-1,3-Dichloropropene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Toluene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
trans-1,3-Dichloropropene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,1,2-Trichloroethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
2-Hexanone	ND	11		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Tetrachloroethene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Dibromochloromethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Chlorobenzene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Ethylbenzene	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
m,p-Xylene	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
o-Xylene	ND	5.7	Q	µg/Kg-dry	1	10/20/2011 8:30:00 PM
Styrene	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
Bromoform	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
1,1,2,2-Tetrachloroethane	ND	5.7		µg/Kg-dry	1	10/20/2011 8:30:00 PM
PERCENT MOISTURE BY ASTM D2216				PMOIST		Analyst: KLS
Percent Moisture	12.8	0.0100		wt%	1	10/17/2011

Approved By: PFF

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 169 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371

Rochester (866) 437-0255 * New Jersey (908) 581-4285

Eric D. Popken, Project Manager
Groundwater & Environmental Services
158 Sonwil Drive
Cheektowaga, NY 14225

Monday, October 24, 2011

RE: Analytical Report:
NYSDEC Depew Landfill

Order No.: U1110333

Dear Eric D. Popken, Project Manager:

Upstate Laboratories, Inc. received 2 sample(s) on 10/13/2011 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

AJS (PFF)
Anthony J. Scala
President/CEO

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services
Lab Order: U1110333
Project: NYSDEC Depew Landfill
Lab ID: U1110333-001

Client Sample ID: Exc Area 2 - Bottom
Collection Date: 10/10/2011 9:47:00 AM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES IN SOIL/SLUDGE BY EPA 8081A						
				8081A_S	(SW3550)	Analyst: EA
4,4'-DDD	ND	7.1		µg/Kg-dry	2	10/20/2011
4,4'-DDE	ND	7.1		µg/Kg-dry	2	10/20/2011
4,4'-DDT	ND	7.1	Q	µg/Kg-dry	2	10/20/2011
Aldrin	ND	3.7	Q	µg/Kg-dry	2	10/20/2011
alpha-BHC	ND	3.7		µg/Kg-dry	2	10/20/2011
alpha-Chlordane	ND	3.7		µg/Kg-dry	2	10/20/2011
beta-BHC	ND	3.7	Q	µg/Kg-dry	2	10/20/2011
Chlordane	ND	370		µg/Kg-dry	2	10/20/2011
delta-BHC	ND	3.7	Q	µg/Kg-dry	2	10/20/2011
Dieldrin	ND	7.1	Q	µg/Kg-dry	2	10/20/2011
Endosulfan I	ND	3.7	Q	µg/Kg-dry	2	10/20/2011
Endosulfan II	ND	7.1	Q	µg/Kg-dry	2	10/20/2011
Endosulfan sulfate	ND	7.1		µg/Kg-dry	2	10/20/2011
Endrin	ND	7.1	Q	µg/Kg-dry	2	10/20/2011
Endrin aldehyde	ND	7.1		µg/Kg-dry	2	10/20/2011
Endrin ketone	ND	7.1		µg/Kg-dry	2	10/20/2011
gamma-BHC	ND	3.7		µg/Kg-dry	2	10/20/2011
gamma-Chlordane	ND	3.7		µg/Kg-dry	2	10/20/2011
Heptachlor	ND	3.7		µg/Kg-dry	2	10/20/2011
Heptachlor epoxide	ND	3.7		µg/Kg-dry	2	10/20/2011
Methoxychlor	ND	37		µg/Kg-dry	2	10/20/2011
Toxaphene	ND	370		µg/Kg-dry	2	10/20/2011
NOTES:						
The reporting limits were raised due to matrix interference.						
PCB'S(SOIL/SLUDGE) BY EPA 8082						
				8082_S	(SW3550B)	Analyst: EA
Aroclor 1016	ND	0.090		mg/Kg-dry	1	10/17/2011
Aroclor 1221	ND	0.090		mg/Kg-dry	1	10/17/2011
Aroclor 1232	ND	0.090		mg/Kg-dry	1	10/17/2011
Aroclor 1242	ND	0.090		mg/Kg-dry	1	10/17/2011
Aroclor 1248	ND	0.090		mg/Kg-dry	1	10/17/2011
Aroclor 1254	ND	0.090		mg/Kg-dry	1	10/17/2011
Aroclor 1260	ND	0.090	Q	mg/Kg-dry	1	10/17/2011
SOIL AND SOLID METALS BY ICP						
				6010B-S	(SW3050B)	Analyst: ALW
Beryllium	ND	0.54		mg/Kg-dry	1	10/18/2011 10:09:47 AM
Cadmium	ND	0.54		mg/Kg-dry	1	10/18/2011 10:09:47 AM
Chromium	4.5	5.4	J	mg/Kg-dry	1	10/18/2011 10:09:47 AM
Copper	38	2.2		mg/Kg-dry	1	10/18/2011 10:09:47 AM
Nickel	13	3.2		mg/Kg-dry	1	10/18/2011 10:09:47 AM

Approved By: PFE

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
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* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT:	Groundwater & Environmental Services	Client Sample ID:	Exc Area 2 - Bottom
Lab Order:	U1110333	Collection Date:	10/10/2011 9:47:00 AM
Project:	NYSDEC Depew Landfill		
Lab ID:	U1110333-001	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP						
				6010B-S	(SW3050B)	Analyst: ALW
Silver	ND	5.4		mg/Kg-dry	1	10/18/2011 10:09:47 AM
Zinc	71	1.1		mg/Kg-dry	1	10/18/2011 10:09:47 AM
SOIL AND SOLID METALS BY ICP-MS						
				6020_S	(SW3050B)	Analyst: DEB
Antimony	ND	5.4		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Arsenic	ND	5.4		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Lead	ND	3.2		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Selenium	ND	3.2		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Thallium	ND	3.2		mg/Kg-dry	10	10/18/2011 1:06:00 PM
NOTES:						
The reporting limits were raised due to matrix interference.						
TOTAL MERCURY - SOIL/SOLID/WASTE						
				7471A	(SW7471A)	Analyst: ALW
Mercury	ND	0.108		mg/Kg-dry	1	10/18/2011 11:30:00 AM
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
				8270_05_S	(SW3550A)	Analyst: LD
(3+4)-Methylphenol	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
1,2,4,5-Tetrachlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
1,2,4-Trichlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
1,2-Dichlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
1,3-Dichlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
1,4-Dichlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2,4,5-Trichlorophenol	ND	360		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2,4,6-Trichlorophenol	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2,4-Dichlorophenol	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2,4-Dimethylphenol	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2,4-Dinitrophenol	ND	360		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2,4-Dinitrotoluene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2,6-Dinitrotoluene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2-Chloronaphthalene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2-Chlorophenol	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2-Methylnaphthalene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2-Methylphenol	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2-Nitroaniline	ND	360		µg/Kg-dry	1	10/18/2011 9:46:00 PM
2-Nitrophenol	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
3,3'-Dichlorobenzidine	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
3-Nitroaniline	ND	360		µg/Kg-dry	1	10/18/2011 9:46:00 PM
4,6-Dinitro-2-methylphenol	ND	360		µg/Kg-dry	1	10/18/2011 9:46:00 PM
4-Bromophenyl phenyl ether	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
4-Chloro-3-methylphenol	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM

Approved By: PFF

Date: 10-24-11

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Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
Q	Outlying QC recoveries were associated with this parameter

*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services Client Sample ID: Exc Area 2 - Bottom
 Lab Order: U1110333 Collection Date: 10/10/2011 9:47:00 AM
 Project: NYSDEC Depew Landfill
 Lab ID: U1110333-001 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
				3270_05_S	(SW3550A)	Analyst: LD
4-Chloroaniline	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
4-Chlorophenyl phenyl ether	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
4-Nitroaniline	ND	360		µg/Kg-dry	1	10/18/2011 9:46:00 PM
4-Nitrophenol	ND	360		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Acenaphthene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Acenaphthylene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Acetophenone	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Anthracene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Atrazine	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Benz(a)anthracene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Benzaldehyde	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Benzo(a)pyrene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Benzo(b)fluoranthene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Benzo(g,h,i)perylene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Benzo(k)fluoranthene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Biphenyl	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Bis(2-chloroethoxy)methane	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Bis(2-chloroethyl)ether	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Bis(2-chloroisopropyl)ether	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Bis(2-ethylhexyl)phthalate	320	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Butyl benzyl phthalate	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Caprolactam	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Carbazole	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Chrysene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Di-n-butyl phthalate	82	180	J	µg/Kg-dry	1	10/18/2011 9:46:00 PM
Di-n-octyl phthalate	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Dibenz(a,h)anthracene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Dibenzofuran	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Diethyl phthalate	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Dimethyl phthalate	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Fluoranthene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Fluorene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Hexachlorobenzene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Hexachlorobutadiene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Hexachlorocyclopentadiene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Hexachloroethane	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Indeno(1,2,3-cd)pyrene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Isophorone	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
N-Nitrosodi-n-propylamine	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM

Approved By: PFF

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services

Client Sample ID: Exc Area 2 - Bottom

Lab Order: U1110333

Collection Date: 10/10/2011 9:47:00 AM

Project: NYSDEC Depew Landfill

Lab ID: U1110333-001

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
				8270_05_S	(SW3550A)	Analyst: LD
N-Nitrosodiphenylamine	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Naphthalene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Nitrobenzene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Pentachlorophenol	ND	360		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Phenanthrene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Phenol	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
Pyrene	ND	180		µg/Kg-dry	1	10/18/2011 9:46:00 PM
METHOD 8260B 2005 LIST VOLATILES IN SOIL						
				8260_05_S		Analyst: EMZ
1,2,3-Trichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,2,4-Trichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,2,4-Trimethylbenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,2-Dibromo-3-chloropropane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,2-Dibromoethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,2-Dichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,3,5-Trimethylbenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,3-Dichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,4-Dichlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,4-Dioxane	ND	110		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Bromochloromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Cyclohexane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Dichlorodifluoromethane	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
Freon-113	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
Isopropylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
Methyl Acetate	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Methyl tert-butyl ether	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
Methylcyclohexane	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
n-Butylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
n-Propylbenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
sec-Butylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
tert-Butylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
Trichlorofluoromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Chloromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Vinyl chloride	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Bromomethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Chloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Acetone	ND	11	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,1-Dichloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Carbon disulfide	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM

Approved By: PFF

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services Client Sample ID: Exc Area 2 - Bottom
 Lab Order: U1110333 Collection Date: 10/10/2011 9:47:00 AM
 Project: NYSDEC Depew Landfill
 Lab ID: U1110333-001 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METHOD 8260B 2005 LIST VOLATILES IN SOIL				8260_05_S		Analyst: EMZ
Methylene chloride	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
trans-1,2-Dichloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,1-Dichloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
2-Butanone	ND	11	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
cis-1,2-Dichloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Chloroform	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,1,1-Trichloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Carbon tetrachloride	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
Benzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,2-Dichloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Trichloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,2-Dichloropropane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Bromodichloromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
4-Methyl-2-pentanone	ND	11		µg/Kg-dry	1	10/20/2011 9:16:00 PM
cis-1,3-Dichloropropene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Toluene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
trans-1,3-Dichloropropene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,1,2-Trichloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
2-Hexanone	ND	11		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Tetrachloroethene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Dibromochloromethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Chlorobenzene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Ethylbenzene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
m,p-Xylene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
o-Xylene	ND	5.4	Q	µg/Kg-dry	1	10/20/2011 9:16:00 PM
Styrene	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
Bromoform	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
1,1,2,2-Tetrachloroethane	ND	5.4		µg/Kg-dry	1	10/20/2011 9:16:00 PM
PERCENT MOISTURE BY ASTM D2216				PMOIST		Analyst: KLS
Percent Moisture	7.55	0.0100		wt%	1	10/18/2011

Approved By: PFE

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services
Lab Order: U1110333
Project: NYSDEC Depew Landfill
Lab ID: U1110333-002

Client Sample ID: Exc Area 1- Composite
Collection Date: 10/10/2011 10:27:00 AM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES IN SOIL/SLUDGE BY EPA 8081A						
				8081A_S	(SW3550)	Analyst: EA
4,4'-DDD	ND	8.2		µg/Kg-dry	2	10/20/2011
4,4'-DDE	ND	8.2		µg/Kg-dry	2	10/20/2011
4,4'-DDT	ND	8.2	Q	µg/Kg-dry	2	10/20/2011
Aldrin	ND	4.2	Q	µg/Kg-dry	2	10/20/2011
alpha-BHC	ND	4.2		µg/Kg-dry	2	10/20/2011
alpha-Chlordane	ND	4.2		µg/Kg-dry	2	10/20/2011
beta-BHC	ND	4.2	Q	µg/Kg-dry	2	10/20/2011
Chlordane	ND	420		µg/Kg-dry	2	10/20/2011
delta-BHC	ND	4.2	Q	µg/Kg-dry	2	10/20/2011
Dieldrin	ND	8.2	Q	µg/Kg-dry	2	10/20/2011
Endosulfan I	ND	4.2	Q	µg/Kg-dry	2	10/20/2011
Endosulfan II	ND	8.2	Q	µg/Kg-dry	2	10/20/2011
Endosulfan sulfate	ND	8.2		µg/Kg-dry	2	10/20/2011
Endrin	ND	8.2	Q	µg/Kg-dry	2	10/20/2011
Endrin aldehyde	ND	8.2		µg/Kg-dry	2	10/20/2011
Endrin ketone	ND	8.2		µg/Kg-dry	2	10/20/2011
gamma-BHC	ND	4.2		µg/Kg-dry	2	10/20/2011
gamma-Chlordane	ND	4.2		µg/Kg-dry	2	10/20/2011
Heptachlor	ND	4.2		µg/Kg-dry	2	10/20/2011
Heptachlor epoxide	ND	4.2		µg/Kg-dry	2	10/20/2011
Methoxychlor	ND	42		µg/Kg-dry	2	10/20/2011
Toxaphene	ND	420		µg/Kg-dry	2	10/20/2011
NOTES:						
The reporting limits were raised due to matrix interference.						
PCB'S(SOIL/SLUDGE) BY EPA 8082						
				8082_S	(SW3550B)	Analyst: EA
Aroclor 1016	ND	0.10		mg/Kg-dry	1	10/17/2011
Aroclor 1221	ND	0.10		mg/Kg-dry	1	10/17/2011
Aroclor 1232	ND	0.10		mg/Kg-dry	1	10/17/2011
Aroclor 1242	ND	0.10		mg/Kg-dry	1	10/17/2011
Aroclor 1248	ND	0.10		mg/Kg-dry	1	10/17/2011
Aroclor 1254	ND	0.10		mg/Kg-dry	1	10/17/2011
Aroclor 1260	ND	0.10	Q	mg/Kg-dry	1	10/17/2011
SOIL AND SOLID METALS BY ICP						
				6010B-S	(SW3050B)	Analyst: ALW
Beryllium	ND	0.62		mg/Kg-dry	1	10/18/2011 10:14:56 AM
Cadmium	ND	0.62		mg/Kg-dry	1	10/18/2011 10:14:56 AM
Chromium	11	6.2		mg/Kg-dry	1	10/18/2011 10:14:56 AM
Copper	27	2.5		mg/Kg-dry	1	10/18/2011 10:14:56 AM
Nickel	19	3.7		mg/Kg-dry	1	10/18/2011 10:14:56 AM

Approved By: PFF

Date: 10-24-11

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Qualifiers: # Accreditation not offered by NYS DOH for this parameter
** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
Q Outlying QC recoveries were associated with this parameter

* Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services Client Sample ID: Exc Area 1- Composite
 Lab Order: U1110333 Collection Date: 10/10/2011 10:27:00 AM
 Project: NYSDEC Depew Landfill
 Lab ID: U1110333-002 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP						
Silver	ND	6.2		mg/Kg-dry	1	Analyst: ALW 10/18/2011 10:14:56 AM
Zinc	83	1.2		mg/Kg-dry	1	10/18/2011 10:14:56 AM
SOIL AND SOLID METALS BY ICP-MS						
Antimony	ND	6.2		mg/Kg-dry	10	Analyst: DEB 10/18/2011 1:06:00 PM
Arsenic	ND	6.2		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Lead	ND	3.7		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Selenium	ND	3.7		mg/Kg-dry	10	10/18/2011 1:06:00 PM
Thallium	ND	3.7		mg/Kg-dry	10	10/18/2011 1:06:00 PM
NOTES:						
The reporting limits were raised due to matrix interference.						
TOTAL MERCURY - SOIL/SOLID/WASTE						
Mercury	0.0744	0.125	J	mg/Kg-dry	1	Analyst: ALW 10/18/2011 11:30:00 AM
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
(3+4)-Methylphenol	ND	210		µg/Kg-dry	1	Analyst: LD 10/18/2011 10:10:00 PM
1,2,4,5-Tetrachlorobenzene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
1,2,4-Trichlorobenzene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
1,2-Dichlorobenzene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
1,3-Dichlorobenzene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
1,4-Dichlorobenzene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2,4,5-Trichlorophenol	ND	410		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2,4,6-Trichlorophenol	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2,4-Dichlorophenol	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2,4-Dimethylphenol	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2,4-Dinitrophenol	ND	410		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2,4-Dinitrotoluene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2,6-Dinitrotoluene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2-Chloronaphthalene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2-Chlorophenol	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2-Methylnaphthalene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2-Methylphenol	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2-Nitroaniline	ND	410		µg/Kg-dry	1	10/18/2011 10:10:00 PM
2-Nitrophenol	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
3,3'-Dichlorobenzidine	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
3-Nitroaniline	ND	410		µg/Kg-dry	1	10/18/2011 10:10:00 PM
4,6-Dinitro-2-methylphenol	ND	410		µg/Kg-dry	1	10/18/2011 10:10:00 PM
4-Bromophenyl phenyl ether	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
4-Chloro-3-methylphenol	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM

Approved By: PFF

Date: 10-24-11

Page 7 of 10

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services

Client Sample ID: Exc Area 1- Composite

Lab Order: U1110333

Collection Date: 10/10/2011 10:27:00 AM

Project: NYSDEC Depew Landfill

Lab ID: U1110333-002

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
		8270_05_S		(SW3550A)		Analyst: LD
4-Chloroaniline	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
4-Chlorophenyl phenyl ether	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
4-Nitroaniline	ND	410		µg/Kg-dry	1	10/18/2011 10:10:00 PM
4-Nitrophenol	ND	410		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Acenaphthene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Acenaphthylene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Acetophenone	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Anthracene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Atrazine	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Benz(a)anthracene	81	210	J	µg/Kg-dry	1	10/18/2011 10:10:00 PM
Benzaldehyde	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Benzo(a)pyrene	70	210	J	µg/Kg-dry	1	10/18/2011 10:10:00 PM
Benzo(b)fluoranthene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Benzo(g,h,i)perylene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Benzo(k)fluoranthene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Biphenyl	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Bis(2-chloroethoxy)methane	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Bis(2-chloroethyl)ether	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Bis(2-chloroisopropyl)ether	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Bis(2-ethylhexyl)phthalate	190	210	J	µg/Kg-dry	1	10/18/2011 10:10:00 PM
Butyl benzyl phthalate	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Caprolactam	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Carbazole	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Chrysene	91	210	J	µg/Kg-dry	1	10/18/2011 10:10:00 PM
Di-n-butyl phthalate	73	210	J	µg/Kg-dry	1	10/18/2011 10:10:00 PM
Di-n-octyl phthalate	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Dibenz(a,h)anthracene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Dibenzofuran	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Diethyl phthalate	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Dimethyl phthalate	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Fluoranthene	170	210	J	µg/Kg-dry	1	10/18/2011 10:10:00 PM
Fluorene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Hexachlorobenzene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Hexachlorobutadiene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Hexachlorocyclopentadiene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Hexachloroethane	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Indeno(1,2,3-cd)pyrene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Isophorone	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
N-Nitrosodi-n-propylamine	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM

Approved By: PFF

Date: 10-24-11

Page 8 of 10

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
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 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services

Client Sample ID: Exc Area 1- Composite

Lab Order: U1110333

Collection Date: 10/10/2011 10:27:00 AM

Project: NYSDEC Depew Landfill

Lab ID: U1110333-002

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS BY EPA 8270D						
			8270_05_S		(SW3550A)	Analyst: LD
N-Nitrosodiphenylamine	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Naphthalene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Nitrobenzene	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Pentachlorophenol	ND	410		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Phenanthrene	71	210	J	µg/Kg-dry	1	10/18/2011 10:10:00 PM
Phenol	ND	210		µg/Kg-dry	1	10/18/2011 10:10:00 PM
Pyrene	120	210	J	µg/Kg-dry	1	10/18/2011 10:10:00 PM
METHOD 8260B 2005 LIST VOLATILES IN SOIL						
			8260_05_S			Analyst: EMZ
1,2,3-Trichlorobenzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,2,4-Trichlorobenzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,2,4-Trimethylbenzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,2-Dibromo-3-chloropropane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,2-Dibromoethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,2-Dichlorobenzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,3,5-Trimethylbenzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,3-Dichlorobenzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,4-Dichlorobenzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,4-Dioxane	ND	120		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Bromochloromethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Cyclohexane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Dichlorodifluoromethane	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
Freon-113	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
Isopropylbenzene	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
Methyl Acetate	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Methyl tert-butyl ether	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
Methylcyclohexane	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
n-Butylbenzene	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
n-Propylbenzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
sec-Butylbenzene	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
tert-Butylbenzene	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
Trichlorofluoromethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Chloromethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Vinyl chloride	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Bromomethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Chloroethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Acetone	ND	12	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,1-Dichloroethene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Carbon disulfide	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM

Approved By: **PFF**

Date: **10-24-11**

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 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 24-Oct-11

CLIENT: Groundwater & Environmental Services

Client Sample ID: Exc Area 1- Composite

Lab Order: U1110333

Collection Date: 10/10/2011 10:27:00 AM

Project: NYSDEC Depew Landfill

Lab ID: U1110333-002

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METHOD 8260B 2005 LIST VOLATILES IN SOIL				8260_05_S		Analyst: EMZ
Methylene chloride	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
trans-1,2-Dichloroethene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,1-Dichloroethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
2-Butanone	ND	12	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
cis-1,2-Dichloroethene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Chloroform	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,1,1-Trichloroethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Carbon tetrachloride	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
Benzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,2-Dichloroethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Trichloroethene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,2-Dichloropropane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Bromodichloromethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
4-Methyl-2-pentanone	ND	12		µg/Kg-dry	1	10/20/2011 10:02:00 PM
cis-1,3-Dichloropropene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Toluene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
trans-1,3-Dichloropropene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,1,2-Trichloroethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
2-Hexanone	ND	12		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Tetrachloroethene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Dibromochloromethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Chlorobenzene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Ethylbenzene	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
m,p-Xylene	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
o-Xylene	ND	6.2	Q	µg/Kg-dry	1	10/20/2011 10:02:00 PM
Styrene	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
Bromoform	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
1,1,2,2-Tetrachloroethane	ND	6.2		µg/Kg-dry	1	10/20/2011 10:02:00 PM
PERCENT MOISTURE BY ASTM D2216				PMOIST		Analyst: KLS
Percent Moisture	19.7	0.0100		wt%	1	10/18/2011

Approved By: **PFF**

Date: **10-24-11**

Page 10 of 10

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
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 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Approved date:

[illegible]

APPENDIX D

Daily Field Report

Contractor Name:

GES

158 Sonwil Drive

Cheektowaga, New York 14225

800-287-7857

Subcontractor Name:

Trec Environmental

1018 Washington Street

Spencerport, New York 14559

585-594-545

Weather Conditions:

AM:

46° Sunny, Clear

PM:

64° Partly cloudy

Wind Direction:

3mph due N/same
in pm

Wind Speed:

3mph (same in pm)

Cloud Cover:

Clear / Partly cloudy in pm

Rainfall:

None in forecast

Site Activities Performed:

Move ; Boulder Delivery, Staging Boulders

Minutes of Safety Meeting:

All H&S concerns of JOB, incl Slip/trip/fall, eye contact
w/ operators, First Aid Kit staging, proper storage of
flammables, proper PPE, work zone set, H&SP Review

Equipment Used/Materials Consumed (also use bid form):

Excavator, Front loader, toe protection Boulders (delivered/staged)
core logs (delivered)

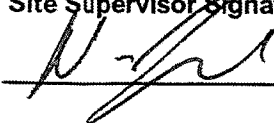
Samples Taken and Disposition:

NA

Site Visitors:

Eric Popkin (Job Kickoff)

Site Supervisor Signature:





Sheet ____ of ____

Project: _____

Project No.: NYSDEC DEP W Date: 10/5/11Prepared by: LAUDFILL Scale: NA**Daily Site Activity Log**Today's Date: 10-5-11Project Start Date: 10-5-11No. of Days On-Site: 1
Since Project Start Date:**Site Activities Conducted Today (Check All That Apply):**

☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☐ Remedial Excavation or Trenching
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☐ Backfilling and Grading Excavation or Trench
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Soil Compaction/Compaction Testing
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☐ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)
☒ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)
☐ Hot Work Activities/Fire Watch/Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/Housekeeping
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ Boulder Delivery & Stage

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1 <u>MD</u>	<u>830</u>	<u>1530</u>	<u>7</u>	☐ Fire Watch	☐ Health & Safety
GES #2 <u>EP</u>	<u>830</u>	<u>2/5 1315</u>	<u>4.25</u>	☐ Traffic Control	☐ Training
GES #3				☒ Other: <u>Project Kick off</u>	

GES Subcontractor

☒ Trec	☐	☐	☐	☐	☐	☐ Other:	
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/Foreman <u>SS</u>	<u>830</u>	<u>1530</u>	<u>7</u>	Laborer #2			
Equipment Operator #1 <u>SW</u>	<u>830</u>	<u>1530</u>	<u>7</u>	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1 <u>ME</u>	<u>830</u>	<u>1530</u>	<u>7</u>	Laborer #5			

GES Subcontractor (continued)

☐ Clear Creek	☐	☐	☐	☐ Other:			
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

Revised 5-20-09

**Contractor Bid Schedule
Depew Landfill Project**

10-5-11
Date

Task 2:		Mob/Demob, and Site Setup		
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time	1	\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	7	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	7	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	7	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour	7	\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
			total	\$ -

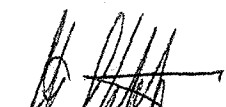
Task 3:		Excavation and Backfill		
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material	0	Cubic Yards		\$ -
Backfill	16.75	Tons		\$ -
Seeding	75	Pounds		\$ -
Silt curtains	7.5	Linear Feet		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour	7	\$ -
Sand Bags	\$ 3.00	Each		\$ -
Silt Fence	\$ 1.50	Feet		0
			total	\$ -

Task 4:		Streambank Stabilization and Restoration		
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons	10582	\$ -
Filter Fabric	3	Square Feet		\$ -
Topsoil	20	Cubic Yards		\$ -
Coir Logs	3	Linear Feet		\$ -
Rock Key	32	Tons		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet		\$ -
			total	\$ -

Task 5:		Plantings		
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each		\$ -
Container Plants	7.5	Each		\$ -
Erosion Control Blanket	0.7	Square Yards		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Container Plants	\$ 12.50	Each		\$ -
			total	\$ -


GES Signature


Ashlee Chatrude
EEPC


Trec Signature

Daily Field Report

Contractor Name:

GES

158 Sonwil Drive

Cheektowaga, New York 14225

800-287-7857

Subcontractor Name:

Trec Environmental

1018 Washington Street

Spencerport, New York 14559

585-594-545

Weather Conditions:

AM: 4th (am)

PM: 5th 69°

Wind Direction:

NW (am) / NA

Wind Speed:

6 mph (am) / 0 mph

Cloud Cover:

Clear skies am & pm

Rainfall:

none in forecast

Site Activities Performed:

All backfill & stone being delivered, set up silt fence

Minutes of Safety Meeting:

Discussed work to be done today (moving boulders, staging equipment, putting up silt fence), trip to fall hazards, hospital location, HASP, staging 1st aid supplies, etc.

Equipment Used/Materials Consumed (also use bid form):

Boulders delivered, Excavator, Front loader, set up silt fence

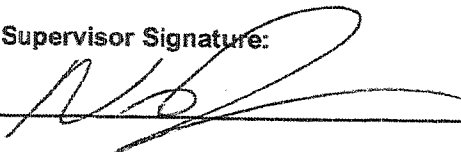
Samples Taken and Disposition:

~~NA~~ Turbidity Upstream: 3.27 NTU
Downstream: 3.91 NTU

Site Visitors:

Ashley (EIE) on site / Chris (DEC) / Steve (GES)

Site Supervisor Signature:





Sheet _____ of _____
Project: NSDEC Depew Landfill
Project No.: _____ Date: 10/6/11
Prepared by: ADJ Scale: NA

Daily Site Activity Log

Today's Date: 10-6-11

Project Start Date: 10-5-11

No. of Days On-Site 2
Since Project Start Date:

Site Activities Conducted Today (Check All That Apply):				
☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☐ Remedial Excavation or Trenching		
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal		
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☐ Backfilling and Grading Excavation or Trench		
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Soil Compaction/Compaction Testing		
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe		
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☐ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck		
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)		
☒ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement		
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)		
☐ Hot Work Activities/Fire Watch/ Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/ Housekeeping		
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ <u>Delivery of Bulkfill & Backfill</u>		

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	<u>700</u>	<u>1545</u>	<u>8.75</u>	☐ Fire Watch	☐ Health & Safety
GES #2 <u>SL</u>	<u>1300</u>	<u>1400</u>	<u>1.00</u>	☐ Traffic Control	☐ Training
GES #3				☒ Other: <u>Field Visit</u>	

GES Subcontractor							
☒ Trec	☐	☐	☐	☐	☐ Other:		
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/ Foreman	<u>700</u>	<u>1400</u>	<u>8.75</u>	Laborer #2			
Equipment Operator #1	<u>700</u>	<u>1545</u>	<u>8.75</u>	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	<u>700</u>	<u>1545</u>	<u>8.75</u>	Laborer #5			

GES Subcontractor (continued)							
☐ Clear Creek	☐	☐	☐	☐ Other:			
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

Revised 5-20-09

**Contractor Bid Schedule
Depew Landfill Project**

10-6-11
Date

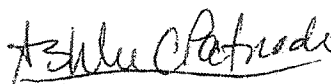
Task 2:		Mob/Demob. and Site Setup			
Item	Rate	Units	# Units	Extended Cost	
One Time Mob/Demob Fee	\$1,500.00	One time		\$	-
Foreman Regular Hourly Rate	\$42.37	Per Hour	2.75	\$	-
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	8.75	\$	-
Laborer Regular Hourly Rate	\$23.02	Per Hour	8.75	\$	-
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour	8.75	\$	-
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$	-
			total	\$	-

Task 3:		Excavation and Backfill			
Item	Rate	Units	Estimated # Units	Extended Cost	
Excavated Material		0 Cubic Yards		\$	-
Backfill	16.75	Tons	216	\$	-
Seeding	75	Pounds		\$	-
Silt curtains	7.5	Linear Feet		\$	-
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$	-
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$	-
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$	-
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$	-
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$	-
Front End Loader	\$ 62.00	Per Hour	8.75	\$	-
Sand Bags	\$ 3.00	Each		\$	-
Silt Fence	\$ 1.50	Feet	600	\$	0
			total	\$	-

Task 4:		Streambank Stabilization and Restoration			
Item	Rate	Units	Estimated # Units	Extended Cost	
Rock Toe Protection		35 Tons	335	\$	-
Filter Fabric		3 Square Feet		\$	-
Topsoil		20 Cubic Yards		\$	-
Coin Logs		3 Linear Feet		\$	-
Rock Key		32 Tons		\$	-
Hydroseed		Lot		\$	-
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$	-
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$	-
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$	-
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$	-
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$	-
Front End Loader	\$ 62.00	Per Hour		\$	-
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet		\$	-
			total	\$	-

Task 5:		Plantings			
Item	Rate	Units	Estimated # Units	Extended Cost	
Live Stakes	1.25	Each		\$	-
Container Plants	7.5	Each		\$	-
Erosion Control Blanket	0.7	Square Yards		\$	-
Hydroseed		Lot		\$	-
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$	-
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$	-
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$	-
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$	-
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$	-
Front End Loader	\$ 62.00	Per Hour		\$	-
Container Plants	\$ 12.50	Each		\$	-
			total	\$	-


GES Signature


ERED


Rec Signature

Daily Field Report

Contractor Name:

GES
158 Sonwil Drive
Cheektowaga, New York 14225
800-287-7857

Subcontractor Name:

Trec Environmental
1018 Washington Street
Spencerport, New York 14559
585-594-545

Weather Conditions:

AM: 45°

PM: 14°

Wind Direction:

NW / NA

Wind Speed:

5 mph / 0 mph

Cloud Cover:

None

Rainfall:

None in forecast

Site Activities Performed:

Excavating, Backfilling, Stockpile soil in bermed area, make silt fence near creek

Minutes of Safety Meeting:

Slip trips falls, moving in area of heavy equip - make sure the operator sees you, collecting samples - proper equip working near excavation, open hole

Equipment Used/Materials Consumed (also use bid form):

Excavator, Front Loader, Skidster, Backfill material

Samples Taken and Disposition:

Turbidity: @ 804 downstream: 4.75, @ 816 upstream 4.35 NTU
@ 1027 upstream: 3.25 NTU, downstream 3.05 NTU
@ 1035 Exc Area 1 Bottom, @ 1210 Exc Area 1 composite

Site Visitors:

Kris Keenan (DEC)
Ashley (ENE) ~~Chris~~, Eric Popken (GES)
Bill (ENE) ~~Mike Haskin (DEC)~~, Dave Casey (DEC)
Chris Juliano

Site Supervisor Signature:



Project: NYSDEC Depew Landfill Sheet 11 of 11
Project No.: _____ Date: 10/7/11
Prepared by: RAJ Scale: NA

Daily Site Activity Log

Today's Date: 10-7-11

Project Start Date: 10-5-11

No. of Days On-Site: 3
Since Project Start Date:

Site Activities Conducted Today (Check All That Apply):

☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☒ Remedial Excavation or Trenching
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☒ Backfilling and Grading Excavation or Trench
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☒ <u>Soil Compaction</u> Compaction Testing
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☒ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck, <u>Skidsteer</u>
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)
☐ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)
☐ Hot Work Activities/Fire Watch/Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/Housekeeping
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☐

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	7:00	1530	8.5	☐ Fire Watch	☐ Health & Safety
GES #2	1:300	1345	0.75	☐ Traffic Control	☐ Training
GES #3				☒ Other: <u>Site Visit</u>	

GES Subcontractor

☒ Rec	☐	☐	☐	☐	☐	☐	☐ Other:
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/Foreman	7:00	1530	8.5	Laborer #2			
Equipment Operator #1	7:00	1530	8.5	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	7:00	1530	8.5	Laborer #5			

GES Subcontractor (continued)

☐ Clear Creek	☐	☐	☐	☐	☐	☐	☐ Other:
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

**Contractor Bid Schedule
Depew Landfill Project**

10-7-11
Date

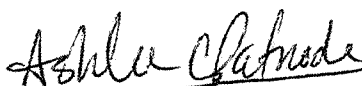
Task 2:		Mob/Demob, and Site Setup		
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
			total	\$ -

Task 3:		Excavation and Backfill		
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material	0	Cubic Yards		\$ -
Backfill	16.75	Tons		\$ -
Seeding	75	Pounds		\$ -
Silt curtains	7.5	Linear Feet		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	8	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	8	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	8	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour	8	\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour	8	\$ -
Front End Loader	\$ 62.00	Per Hour	8	\$ -
Sand Bags	\$ 3.00	Each		\$ -
Silt Fence	\$ 1.50	Feet		\$ -
Skidsteer			8	\$ -
			total	\$ -

Task 4:		Streambank Stabilization and Restoration		
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons		\$ -
Filter Fabric	3	Square Feet		\$ -
Topsoil	20	Cubic Yards		\$ -
Coir Logs	3	Linear Feet		\$ -
Rock Key	32	Tons		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet		\$ -
			total	\$ -

Task 5:		Plantings		
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each		\$ -
Container Plants	7.5	Each		\$ -
Erosion Control Blanket	0.7	Square Yards		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Container Plants	\$ 12.50	Each		\$ -
			total	\$ -


GES Signature


Ashlee Chabode
EEPC


Trec Signature

Daily Field Report

Contractor Name:

GES
158 Sonwil Drive
Cheektowaga, New York 14225
800-287-7857

Subcontractor Name:

Trec Environmental
1018 Washington Street
Spencerport, New York 14559
585-594-545

Weather Conditions:

AM:

52°

PM:

79°

Wind Direction:

NW/E

Wind Speed:

3mph

Cloud Cover:

mostly sunny / sunny

Rainfall:

none in forecast

Site Activities Performed:

excavating, backfilling, stockpiling soil

Minutes of Safety Meeting:

Trips/slips/falls, working near creek, poison ivy,
stay away from machinery, do not approach generator
unless they acknowledge you, bucket is down & hand is at off
controls.

Equipment Used/Materials Consumed (also use bid form):

Excavator, skidsteer, front loader, stage boulders

Samples Taken and Disposition:

Exc Area 2 composite

Exc Area 2 bottom

Turbidity @ 838 upstream 2.99 NTU, downstream 2.56 NTU

Turbidity @ 1005 upstream 2.55 NTU, downstream 3.54 NTU

Site Visitors:

Jessica (ENE)

Site Supervisor Signature:





Sheet of
Project: NYSDEC Depw Landfill
Project No.: Date: 10/10/11
Prepared by: LAD Scale: NA

Daily Site Activity Log

Today's Date: 10-10-11

Project Start Date: 10-5-11

No. of Days On-Site 24
Since Project Start Date:

Site Activities Conducted Today (Check All That Apply):				
☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☒ Remedial Excavation or Trenching		
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal		
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☒ Backfilling and Grading Excavation or Trench		
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☒ Soil Compaction/Compaction Testing		
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe		
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☒ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck		
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)		
☐ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement		
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)		
☐ Hot Work Activities/Fire Watch/ Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/ Housekeeping		
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ stage boulder for stream		

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	730	1615	8.75	☐ Fire Watch	☐ Health & Safety
GES #2				☐ Traffic Control	☐ Training
GES #3				☐ Other:	

GES Subcontractor							
☒ Trec	☐	☐	☐	☐	☐	☐	☐ Other:
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/ Foreman	730	1615	8.75	Laborer #2	730 800	1615	8.25
Equipment Operator #1	730	1615	8.75	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	730 800	1615	8.25	Laborer #5			

GES Subcontractor (continued)							
☐ Clear	☐	☐	☐	☐	☐	☐	☐ Other:
☐ Creek	☐	☐	☐	☐	☐	☐	☐
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

Revised 5-20-09

**Contractor Bid Schedule
Depew Landfill Project**

10-10-11
Date

Task 2: Mob/Demob, and Site Setup				
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
			total	\$ -

Task 3: Excavation and Backfill				
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material		0 Cubic Yards	34	\$ -
Backfill	16.75	Tons	34.05	\$ -
Seeding	75	Pounds		\$ -
Silt curtains	7.5	Linear Feet	1,000	\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	8.75	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	8.75	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	16.50	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour	8.75	\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour	8.75	\$ -
Sand Bags	\$ 3.00	Each		\$ -
Silt Fence	\$ 1.50	Feet		\$ -
Skidster			8.75	\$ -
			total	\$ -

Task 4: Streambank Stabilization and Restoration				
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons		\$ -
Filter Fabric		3 Square Feet		\$ -
Topsoil	20	Cubic Yards		\$ -
Coir Logs	3	Linear Feet		\$ -
Rock Key	32	Tons		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet		\$ -
			total	\$ -

Task 5: Plantings				
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each		\$ -
Container Plants	7.5	Each		\$ -
Erosion Control Blanket	0.7	Square Yards		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Container Plants	\$ 12.50	Each		\$ -
			total	\$ -


GES Signature


Asklee Chakrade
EEPC


Trec Signature

Daily Field Report

Contractor Name:

GES

158 Sonwil Drive

Cheektowaga, New York 14225

800-287-7857

Subcontractor Name:

Trec Environmental

1018 Washington Street

Spencerport, New York 14559

585-594-545

Weather Conditions:

AM:

55

PM:

76°

Wind Direction:

NW/5

Wind Speed:

3mph

Cloud Cover:

partly cloudy / mostly cloudy

Rainfall:

none in forecast

Site Activities Performed:

Stage rock, build "rock ramp" to get into creek, move (stage) topsoil,

Minutes of Safety Meeting:

Slips trips falls. Stay out of the way of equipment. make sure operators can see you, hospital location,

Equipment Used/Materials Consumed (also use bid form):

Excavator, Front loader, skidder

Samples Taken and Disposition:

@ 800 downstream turb = 3.77 NTU, @ 825 turb upstream = 2.94 NTU

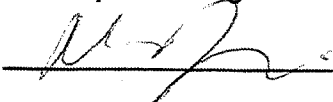
@ 1330 downstream turb = 37.4 NTU, upstream = 36.8 NTU

@ 149 downstream = 10.27 NTU, upstream = 16.30 NTU

Site Visitors:

none

Site Supervisor Signature:





Sheet _____ of _____

Project: _____
Project No.: _____ Date: 1/1
Prepared by: _____ Scale: NA**Daily Site Activity Log**Today's Date: 10-11-11Project Start Date: 10-5-11No. of Days On-Site
Since Project Start Date: 6**Site Activities Conducted Today (Check All That Apply):**

☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☐ Remedial Excavation or Trenching
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☐ Backfilling and Grading Excavation or Trench
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Soil Compaction/Compaction Testing
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☐ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)
☐ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)
☐ Hot Work Activities/Fire Watch/Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/Housekeeping
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ <u>Stream Rebuilding</u>

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	<u>7:15</u>	<u>1700</u>	<u>9.75</u>	☐ Fire Watch	☐ Health & Safety
GES #2				☐ Traffic Control	☐ Training
GES #3				☐ Other:	

GES Subcontractor							
☒ Trec	☐	☐	☐	☐	☐ Other:		
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/Foreman	<u>7:15</u>	<u>1700</u>	<u>9.75</u>	Laborer #2			
Equipment Operator #1	<u>7:30</u>	<u>1700</u>	<u>9.50</u>	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	<u>800</u>	<u>1700</u>	<u>9.00</u>	Laborer #5			

GES Subcontractor (continued)							
☐ Clear Creek	☐	☐	☐	☐ Other:			
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

Revised 5-20-09

**Contractor Bid Schedule
Depew Landfill Project**

Date _____

Task 2: Mob/Demob, and Site Setup				
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
CRUSHER RUN #2			21.39 tons	
			total	\$ -

Task 3: Excavation and Backfill				
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material		0 Cubic Yards		\$ -
Backfill	16.75	Tons		\$ -
Seeding	75	Pounds		\$ -
Silt curtains	7.5	Linear Feet		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Sand Bags	\$ 3.00	Each		\$ -
Silt Fence	\$ 1.50	Feet		\$ 0
			total	\$ -

Task 4: Streambank Stabilization and Restoration				
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons		\$ -
Filter Fabric	3	Square Feet		\$ -
Topsoil	20	Cubic Yards	21	\$ -
Coir Logs	3	Linear Feet		\$ -
Rock Key	32	Tons		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	9.75	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	9.50	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	9.00	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour	9.50	\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour	9.50	\$ -
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet		\$ -
SKID STEER			9.00	
			total	\$ -

Task 5: Plantings				
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each		\$ -
Container Plants	7.5	Each		\$ -
Erosion Control Blanket	0.7	Square Yards		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Container Plants	\$ 12.50	Each		\$ -
			total	\$ -


GES Signature


Ashlee C. Pabodie
EEEP


Trec Signature

Daily Field Report

Contractor Name:

GES
158 Sonwil Drive
Cheektowaga, New York 14225
800-287-7857

Subcontractor Name:

Trec Environmental
1018 Washington Street
Spencerport, New York 14559
585-594-545

Weather Conditions:

AM: 62

PM: 65

Wind Direction:

N

Wind Speed:

3mph / 6mph

Cloud Cover:

Overcast

Rainfall:

moderate to heavy rain expected all day

Site Activities Performed:

Stream restoration - moving topsoil

Minutes of Safety Meeting:

slips/trips/falls, poison ivy & tick reminder, hospital

Equipment Used/Materials Consumed (also use bid form):

Excavator, Skidsteer, Front Loader

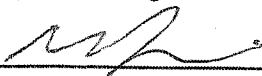
Samples Taken and Disposition:

Turbidity @ 800 5.69 NTU upstream, 4.18 NTU downstream
@ 1147 12.8 NTU upstream, 10.43 NTU downstream
@ 1400 59.4 NTU upstream, 43.6 NTU downstream

Site Visitors:

Chris (DEC), Joe (ENE)

Site Supervisor Signature:





Project: NYSDDEC Super Landfill Sheet of
Project No.: Date: 7/1
Prepared by: ASD Scale: NA

Daily Site Activity Log

Today's Date: 10-12-11

Project Start Date: 10-5-11

No. of Days On-Site 6
Since Project Start Date:

Site Activities Conducted Today (Check All That Apply):					
☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☐ Remedial Excavation or Trenching			
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal			
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☐ Backfilling and Grading Excavation or Trench			
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Soil Compaction/Compaction Testing			
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe			
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☐ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck			
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)			
☐ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement			
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)			
☐ Hot Work Activities/Fire Watch/Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/Housekeeping			
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ Stream Abrioid			

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	715	1530	8.25	☐ Fire Watch	☐ Health & Safety
GES #2				☐ Traffic Control	☐ Training
GES #3				☐ Other:	

GES Subcontractor							
☒ Trec	☐	☐	☐	☐	☐	☐	☐ Other:

Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/Foreman	715	1530	8.25	Laborer #2			
Equipment Operator #1	715	1530	8.25	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	715	1530	8.25	Laborer #5			

GES Subcontractor (continued)							
☐ Clear Creek	☐	☐	☐	☐	☐	☐	☐ Other:

Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

Revised 5-20-09

**Contractor Bid Schedule
Depew Landfill Project**

10-12-11
Date

Task 2: Mob/Demob, and Site Setup				
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
<i>Fabric (Ramp)</i>			<i>990 sq ft</i>	
			total	\$ -

Task 3: Excavation and Backfill				
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material		0 Cubic Yards		\$ -
Backfill	16.75	Tons		\$ -
Seeding	75	Pounds		\$ -
Silt curtains	7.5	Linear Feet		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	<i>8.25</i>	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	<i>8.25</i>	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	<i>8.25</i>	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour	<i>8</i>	\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
<i>Front End Loader</i>	<i>\$ 62.00</i>	<i>Per Hour</i>	<i>5</i>	\$ -
<i>Sand Bags</i>	<i>\$ 3.00</i>	<i>Each</i>		\$ -
<i>Silt Fence</i>	<i>\$ 1.50</i>	<i>Feet</i>		\$ -
<i>Cushion Run</i>			<i>23.5</i>	
			total	\$ -

Task 4: Streambank Stabilization and Restoration				
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons		\$ -
Filter Fabric	3	Square Feet		\$ -
Topsoil	20	Cubic Yards		\$ -
Coir Logs	3	Linear Feet		\$ -
Rock Key	32	Tons	<i>21.81</i>	\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
<i>Front End Loader</i>	<i>\$ 62.00</i>	<i>Per Hour</i>		\$ -
<i>Hydroseed (assume 9000 sq ft)</i>	<i>\$ 0.67</i>	<i>Square Feet</i>		\$ -
<i>Medium Run Silt Fence</i>			<i>5</i>	
			total	\$ -

Task 5: Plantings				
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each		\$ -
Container Plants	7.5	Each		\$ -
Erosion Control Blanket	0.7	Square Yards		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
<i>Front End Loader</i>	<i>\$ 62.00</i>	<i>Per Hour</i>		\$ -
Container Plants	\$ 12.50	Each		\$ -
			total	\$ -

GES Signature
GES Signature

Ashtutcho de
EEPC

Trec Signature
Trec Signature

Daily Field Report

Contractor Name:

GES

158 Sonwil Drive

Cheektowaga, New York 14225

800-287-7857

Subcontractor Name:

Trec Environmental

1018 Washington Street

Spencerport, New York 14559

585-594-545

Weather Conditions:

AM:

59

PM:

605

Wind Direction:

NW/NW

Wind Speed:

7 mph / 6 mph

Cloud Cover:

overcast

Rainfall:

rain spotty in forecast / partly cloudy note 1/4" rain in rain gauge

Site Activities Performed:

Place topsoil behind rocks over geotextile fabric, dig trench for coir logs, place coir logs up to 1st excavation area
* coir logs used will be accounted on form tomorrow

Minutes of Safety Meeting:

hospital location, slips/trips/falls, stay out of the range of equipment, make sure operator sees you before you approach

Equipment Used/Materials Consumed (also use bid form):

Excavator, front loader, skid steer

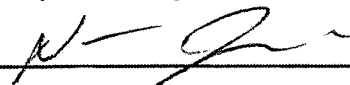
Samples Taken and Disposition:

Turbidity upstream inside & downstream outside of silt curtain

Site Visitors:

KHS (DEC)

Site Supervisor Signature:





Project: NYSDEC Depew Landfill Sheet of
Project No.: Date: 10/11
Prepared by: LW Scale: NA

Daily Site Activity Log

Today's Date: 10-13-11

Project Start Date: 10-5-11

No. of Days On-Site 7
Since Project Start Date:

Site Activities Conducted Today (Check All That Apply):					
☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☐ Remedial Excavation or Trenching			
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal			
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☐ Backfilling and Grading Excavation or Trench			
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Soil Compaction/Compaction Testing			
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe			
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☐ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck			
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)			
☐ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement			
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)			
☐ Hot Work Activities/Fire Watch/ Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/ Housekeeping			
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ <u>Stream Restoration</u>			

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	<u>700</u>	<u>1645</u>	<u>9.75</u>	☐ Fire Watch	☐ Health & Safety
GES #2				☐ Traffic Control	☐ Training
GES #3				☐ Other:	

GES Subcontractor							
☒ Trec	☐	☐	☐	☐	☐	☐	☐ Other:
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/ Foreman	<u>700</u>	<u>1645</u>	<u>9.75</u>	Laborer #2			
Equipment Operator #1	<u>700</u>	<u>1645</u>	<u>9.75</u>	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	<u>700</u>	<u>1645</u>	<u>9.75</u>	Laborer #5			

GES Subcontractor (continued)							
☐ Clear Creek	☐	☐	☐	☐	☐	☐	☐ Other:
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

Revised 5-20-09

**Contractor Bid Schedule
Depew Landfill Project**

10-13-11
Date

Task 2:		Mob/Demob, and Site Setup		
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
			total	\$ -

Task 3:		Excavation and Backfill		
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material		0 Cubic Yards		\$ -
Backfill	16.75	Tons		\$ -
Seeding	75	Pounds		\$ -
Silt curtains	7.5	Linear Feet		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Sand Bags	\$ 3.00	Each		\$ -
Silt Fence	\$ 1.50	Feet		0
			total	\$ -

Task 4:		Streambank Stabilization and Restoration		
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons		\$ -
Filter Fabric	3	Square Feet	1404	\$ -
Topsoil	20	Cubic Yards		\$ -
Coir Logs	3	Linear Feet		\$ -
Rock Key	32	Tons		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	9.75	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	9.75	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	9.75	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour	9.5	\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour	9.5	\$ -
Front End Loader	\$ 62.00	Per Hour	9.5	\$ -
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet	9.5	\$ -
Skidster				\$ -
			total	\$ -

Task 5:		Plantings		
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each		\$ -
Container Plants	7.5	Each		\$ -
Erosion Control Blanket	0.7	Square Yards		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Container Plants	\$ 12.50	Each		\$ -
			total	\$ -


GES Signature


EBCPC


Trec Signature

Daily Field Report

Contractor Name:

GES

158 Sonwil Drive

Cheektowaga, New York 14225

800-287-7857

Subcontractor Name:

Trec Environmental

1018 Washington Street

Spencerport, New York 14559

585-594-545

Weather Conditions:

AM:

602

PM:

59

Wind Direction:

SW / SW

Wind Speed:

14 mph / 14 mph

Cloud Cover:

partly cloudy

Rainfall:

trace of rain in gauge, rain in filter can, steady rain in pan

Site Activities Performed:

Lay coil - logs, lay erosion control mat, secure mat & stacked logs

Minutes of Safety Meeting:

HOSPITAL ROUTE / SLIPS TRIPS FALLS / watch stream flow for rising /
rain today / PPE - use proper gloves & use proper
hand tools

Equipment Used/Materials Consumed (also use bid form):

Front loader, mini excavator, skid

Samples Taken and Disposition:

800 downstream 4.76, upstream 38.1 NTU

1046 upstream 17.0, downstream 21.9 NTU (rain started)
no further readings collected due to safety concerns

Site Visitors:

none

Site Supervisor Signature:





Sheet ____ of ____

Project: _____
Project No.: _____ Date: ____/____/____
Prepared by: _____ Scale: NA**Daily Site Activity Log**Today's Date: 10-14-11Project Start Date: 10-5-11No. of Days On-Site: 8
Since Project Start Date:**Site Activities Conducted Today (Check All That Apply):**

☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☐ Remedial Excavation or Trenching
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☐ Backfilling and Grading Excavation or Trench
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Soil Compaction/Compaction Testing
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☐ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)
☐ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)
☐ Hot Work Activities/Fire Watch/Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/Housekeeping
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ <u>Stream Restoration</u>

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	7:00	12:45	5.75	☐ Fire Watch	☐ Health & Safety
GES #2				☐ Traffic Control	☐ Training
GES #3				☐ Other:	

GES Subcontractor

☐ Trec	☐	☐	☐	☐	☐ Other:		
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/Foreman	7:00	12:45	5.75	Laborer #2			
Equipment Operator #1	7:00	12:45	5.75	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	7:00	12:45	5.75	Laborer #5			

GES Subcontractor (continued)

☐ Clear Creek	☐	☐	☐ Other:				
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

Revised 5-20-09

**Contractor Bid Schedule
Depew Landfill Project**

10-14-11
Date

Task 2:		Mob/Demob, and Site Setup		
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
			total	\$ -

Task 3:		Excavation and Backfill		
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material		0 Cubic Yards		\$ -
Backfill	16.75	Tons		\$ -
Seeding	75	Pounds		\$ -
Silt curtains	7.5	Linear Feet		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Sand Bags	\$ 3.00	Each		\$ -
Silt Fence	\$ 1.50	Feet		\$ -
			total	\$ -

Task 4:		Streambank Stabilization and Restoration		
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons		\$ -
Filter Fabric	3	Square Feet		\$ -
Topsoil	20	Cubic Yards		\$ -
Coir Logs	3	Linear Feet	280	\$ -
Rock Key	32	Tons		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	5.75	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	5.75	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	5.75	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour	5.50	\$ -
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet		\$ -
Mini excavator			5.50	\$ -
			total	\$ -

→ used 3 rolls
will call w/ sq
footage

Task 5:		Plantings		
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each		\$ -
Container Plants	7.5	Each		\$ -
Erosion Control Blanket	0.7	Square Yards		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Container Plants	\$ 12.50	Each		\$ -
			total	\$ -


GES Signature


Ashley Chabode
EEPC


Trec Signature

Daily Field Report

Contractor Name:

GES

158 Sonwil Drive

Cheektowaga, New York 14225

800-287-7857

Subcontractor Name:

Trec Environmental

1018 Washington Street

Spencerport, New York 14559

585-594-545

Weather Conditions:

AM:

50

PM:

53

Wind Direction:

W / SW

Wind Speed:

13mph / 28mph

Cloud Cover:

partly cloudy

Rainfall:

none in forecast, 209 cfm @ 7:51am in stream

Site Activities Performed:

Repair damage from the weekend, plantings & place live stakes, place erosion control blanket,

Minutes of Safety Meeting:

Stream flow, hospital location, working around equip
make the operator acknowledge you before passing or
approaching

Equipment Used/Materials Consumed (also use bid form):

Skidsteer, front loader

Samples Taken and Disposition:

N/A

Site Visitors:

Joe (ENE)

Site Supervisor Signature:



Sheet _____ of _____
Project: NYSDEC Depew Landfill
Project No.: _____ Date: 1/1
Prepared by: nmj Scale: NA

Daily Site Activity Log

Today's Date: 10-17-11

Project Start Date: 10-5-11

No. of Days On-Site: 9
Since Project Start Date:

Site Activities Conducted Today (Check All That Apply):

☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☐ Remedial Excavation or Trenching
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☐ Backfilling and Grading Excavation or Trench
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Soil Compaction/Compaction Testing
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☐ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)
☐ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)
☐ Hot Work Activities/Fire Watch/Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/Housekeeping
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ <u>Stream Restoration, planting</u>

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	<u>7:15</u>	<u>3:00</u>	<u>7.75</u>	☐ Fire Watch	☐ Health & Safety
GES #2				☐ Traffic Control	☐ Training
GES #3				☐ Other:	

GES Subcontractor

☐ Trec	☐	☐	☐	☐	☐ Other:		
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/Foreman	<u>7:15</u>	<u>3:00</u>	<u>7.75</u>	Laborer #2			
Equipment Operator #1	<u>7:30</u>	<u>3:00</u>	<u>8.75</u>	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	<u>7:30</u>	<u>3:00</u>	<u>7.5</u>	Laborer #5			

GES Subcontractor (continued)

☐ Clear Creek	☐	☐	☐ Other:				
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

**Contractor Bid Schedule
Depew Landfill Project**

10-17-11
Date

Task 2:		Mob/Demob, and Site Setup		
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
			total	\$ -

Task 3:		Excavation and Backfill		
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material		0 Cubic Yards		\$ -
Backfill	16.75	Tons		\$ -
Seeding	75	Pounds		\$ -
Silt curtains	7.5	Linear Feet		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Sand Bags	\$ 3.00	Each		\$ -
Silt Fence	\$ 1.50	Feet		\$ 0
			total	\$ -

Task 4:		Streambank Stabilization and Restoration		
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons		\$ -
Filter Fabric	3	Square Feet		\$ -
Topsoil	20	Cubic Yards		\$ -
Coir Logs	3	Linear Feet		\$ -
Rock Key	32	Tons		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet		\$ -
			total	\$ -

Task 5:		Plantings		
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each		\$ -
Container Plants	7.5	Each		\$ -
Erosion Control Blanket	0.7	Square Yards	344	\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	7.75	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	7.50	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	7.50	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour	6.00	\$ -
Container Plants	\$ 12.50	Each		\$ -
Spreader			6.00	\$ -
			total	\$ -

+ 1200 sf. on 10/14/11


GES Signature


Ashlee Opatrade
EEPC


Trec Signature

10/18/11

Daily Field Report

Contractor Name:

GES

158 Sonwil Drive

Cheektowaga, New York 14225

800-287-7857

Subcontractor Name:

Trec Environmental

1018 Washington Street

Spencerport, New York 14559

585-594-545

Weather Conditions:

AM:

45

PM:

58

Wind Direction:

SW / W

Wind Speed:

5mph / 10mph

Cloud Cover:

partly to mostly cloudy

Rainfall:

No rain in forecast during day, rain expected in evening

* note: there was 1 3/4" rain over weekend, 0" overnight M to T

Site Activities Performed:

Planting, replaced some rock, moved some topsoil to repair spots & low spots, placed erosion control blanket

Minutes of Safety Meeting:

Working around machines in tight spaces, eye contact & show hands when approaching, or passing operator. Working around plants & in mud = slips / trips / falls, proper glove & dippe using hand tools

Equipment Used/Materials Consumed (also use bid form):

Excavator, Mini excavator, skidsteer, front end loader

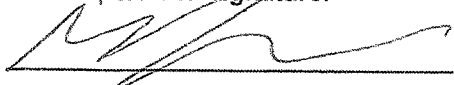
Samples Taken and Disposition:

N/A

Site Visitors:

Joe (ENE)

Site Supervisor Signature:





Sheet of
Project: NYSDOT Depew Landfill
Project No.: Date: 10/18/11
Prepared by: LAG Scale: NA

Daily Site Activity Log

Today's Date: 10-18-11

Project Start Date: 10-5-11

No. of Days On-Site: 10
Since Project Start Date:

Site Activities Conducted Today (Check All That Apply):				
☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☐ Remedial Excavation or Trenching		
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal		
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☐ Backfilling and Grading Excavation or Trench		
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Soil Compaction/Compaction Testing		
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe		
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☐ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck		
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)		
☐ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement		
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)		
☐ Hot Work Activities/Fire Watch/Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/Housekeeping		
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ Stream Restoration / Planting		

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	7:00	15:45	8.75	☐ Fire Watch	☐ Health & Safety
GES #2				☐ Traffic Control	☐ Training
GES #3				☐ Other:	

GES Subcontractor							
☐ Trec	☐	☐	☐	☐	☐	☐ Other:	
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/Foreman	7:15	15:45	8.675	Laborer #2	7:15	15:45	8.5
Equipment Operator #1	7:00	15:45	8.75	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	7:15	15:45	8.5	Laborer #5			

GES Subcontractor (continued)							
☐ Clear Creek	☐	☐	☐	☐ Other:			
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

Revised 5-20-09

**Contractor Bid Schedule
Depew Landfill Project**

10-18-11
Date

Task 2:		Mob/Demob, and Site Setup		
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
			total	\$ -

Task 3:		Excavation and Backfill		
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material		0 Cubic Yards		\$ -
Backfill	16.75	Tons		\$ -
Seeding	75	Pounds		\$ -
Silt curtains	7.5	Linear Feet		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Sand Bags	\$ 3.00	Each		\$ -
Silt Fence	\$ 1.50	Feet		\$ 0
			total	\$ -

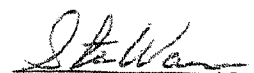
Task 4:		Streambank Stabilization and Restoration		
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons		\$ -
Filter Fabric	3	Square Feet		\$ -
Topsoil	20	Cubic Yards		\$ -
Coir Logs	3	Linear Feet		\$ -
Rock Key	32	Tons		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet		\$ -
Front Mini Excavator			4.00	\$ -
			total	\$ -

Task 5:		Plantings		
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each	2300	\$ -
Container Plants	7.5	Each	850	\$ -
Erosion Control Blanket	0.7	Square Yards	2856	\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	6.75	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	8.75	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	13.00	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour	22.40	\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour	8.00	\$ -
Container Plants	\$ 12.50	Each		\$ -
Skidster			5.00	\$ -
			total	\$ -

→ + add'l 2 2400 on
10/19/11


GES Signature


Azhar Chahade
EEPC


Trec Signature

10-19-11

Daily Field Report

Contractor Name:

GES
158 Sonwil Drive
Cheektowaga, New York 14225
800-287-7857

Subcontractor Name:

Trec Environmental
1018 Washington Street
Spencerport, New York 14559
585-594-545

Weather Conditions:

AM: 60°

PM: 51°

Wind Direction:

NE / NE

Wind Speed:

12 mph / 15 mph

Cloud Cover:

mostly cloudy, expected to become overcast

Rainfall:

1/8" rain overnight, rain & possible thunderstorms in the forecast

Site Activities Performed:

Planting flanking access road, build & plant nursery per ENE suggestion by removing live stakes & container plants, seed bank area, excavation areas & road made to access excavation areas. Note, more seed will be placed in excavation & bank areas.

Minutes of Safety Meeting:

Weather - thunderstorms especially, pay signs back to vehicles, watch for rising water in stream. Even if not raining, not can be raining up stream, don't get in stream if not comfortable, reminder on proper positioning for hand tools & wearing proper ppe, slips/trips/falls, good eye contact w/ gear abt when approaching or passing a vehicle.

Equipment Used/Materials Consumed (also use bid form):

Excavator, Front Loader, skidsteer

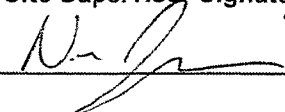
Samples Taken and Disposition:

N/A

Site Visitors:

Joe (ENE), Dave Lasey (DEC)

Site Supervisor Signature:





Sheet ____ of ____

Project: _____

Project No.: _____ Date: ____/____/____

Prepared by: _____ Scale: ____ NA ____

Daily Site Activity LogToday's Date: 10/19/11Project Start Date: 10/5/11No. of Days On-Site: 11
Since Project Start Date: _____**Site Activities Conducted Today (Check All That Apply):**

☐ Site Survey/Private Utility Locate Survey	☐ Hand Dig/Soft Dig with Hand Tools and/or Air Knife	☐ Remedial Excavation or Trenching
☐ Geophysical Survey	☐ Pre-Drill Clearance with Vacuum Truck or Vac-tron Unit	☐ Soil Loading for Off-Site Disposal
☐ Sensitive Receptor Survey	☐ Pre-Drill Clearance with Excavator or Backhoe and Spotter(s)	☐ Backfilling and Grading Excavation or Trench
☐ Site Visit Walk-Through or Pre-Construction Meeting	☐ HSA Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Soil Compaction/Compaction Testing
☐ Snow Plowing/Removal	☐ Air Rotary Drilling with Truck, Trailer or Off-Road-Mounted Rig	☐ Test Pit Investigative Activities with Excavator or Backhoe
☐ Lawn Mowing & Grounds Maintenance	☐ Direct-Push Drilling and Sampling with GeoProbe-type rig	☐ Soil Staging with Wheel Barrow, Excavator or Vacuum Truck
☐ Site Access/Pathway Prep (may include debris/brush clearing)	☐ MIP Investigation with Direct-Push Technology	☐ Soil Pile or Drum Pickup for Disposal (on-site time only)
☐ Equipment/Site or Work Area Setup/Security	☐ Split-Spoon or Direct Push Sampling and Logging	☐ Utility Removal/Repairs/ Replacement
☐ Electrical/Fire System LO/TO (use GES LO/TO permit)	☐ Geotechnical Drilling, Sampling and Logging	☐ Replacement Paving or Other Site Restoration (e.g. concrete, seeding)
☐ Hot Work Activities/Fire Watch/ Air Monitoring (use HW permit)	☐ ORC Slurry Application	☐ Equipment Loading/Site Cleanup/ Housekeeping
☐ Concrete/Asphalt Demolition and Removal	☐ Dewatering or Water Handling	☒ Stream Restoration/Planting

GES Staff	Arrival Time	Depart Time	Total Hours On-Site	If more than 1 GES employee on-site, reason for additional staff (Check all that apply)	
GES #1	7:00	1530	8.5	☐ Fire Watch	☐ Health & Safety
GES #2				☐ Traffic Control	☐ Training
GES #3				☐ Other:	

GES Subcontractor

☒ Trec	☐	☐	☐	☐	☐	☐ Other:	
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Supervisor/ Foreman	715	1530	8.25	Laborer #2	715	1530	8.25
Equipment Operator #1	700	1530	8.5	Laborer #3			
Equipment Operator #2				Laborer #4			
Laborer #1	715	1530	8.25	Laborer #5			

GES Subcontractor (continued)

☐ Clear Creek	☐	☐	☐	☐ Other:			
Sub. Staff	Arrival Time	Depart Time	Total Hours On-Site	Sub. Staff (cont.)	Arrival Time	Depart Time	Total Hours On-Site
Surveyor #1				Equipment Operator #1			
Surveyor #2				Equipment Operator #2			
Surveyor #3				Equipment Operator #3			

Total field hours today: _____ hours Was an LPO conducted today: ☐ Yes ☐ No

Revised 5-20-09

Contractor Bid Schedule
Depew Landfill Project

D-19-11
Date

Task 2:		Mob/Demob, and Site Setup		
Item	Rate	Units	# Units	Extended Cost
One Time Mob/Demob Fee	\$1,500.00	One time		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
			total	\$ -

Task 3:		Excavation and Backfill		
Item	Rate	Units	Estimated # Units	Extended Cost
Excavated Material		0 Cubic Yards		\$ -
Backfill	16.75	Tons		\$ -
Seeding	75	Pounds	34	\$ -
Silt curtains	7.5	Linear Feet		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Sand Bags	\$ 3.00	Each		\$ -
Silt Fence	\$ 1.50	Feet		\$ -
			total	\$ -

→ 9 lbs wetland mix
remaining is
rye seed from
store

Task 4:		Streambank Stabilization and Restoration		
Item	Rate	Units	Estimated # Units	Extended Cost
Rock Toe Protection	35	Tons		\$ -
Filter Fabric	3	Square Feet		\$ -
Topsoil	20	Cubic Yards		\$ -
Coin Logs	3	Linear Feet	16	\$ -
Rock Key	32	Tons		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour		\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour		\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour		\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour		\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour		\$ -
Hydroseed (assume 9000 sq ft)	\$ 0.67	Square Feet		\$ -
			total	\$ -

Task 5:		Plantings		
Item	Rate	Units	Estimated # Units	Extended Cost
Live Stakes	1.25	Each		\$ -
Container Plants	7.5	Each		\$ -
Erosion Control Blanket	0.7	Square Yards		\$ -
Hydroseed		Lot		\$ -
Foreman Regular Hourly Rate	\$42.37	Per Hour	8.25	\$ -
Equipment Operator Regular Hourly Rate	\$38.43	Per Hour	8.50	\$ -
Laborer Regular Hourly Rate	\$23.02	Per Hour	10.5	\$ -
Excavator - Rubber Track (< 1 cu. Yd bucket)	\$96.75	Per Hour	5.00	\$ -
1 Dump Truck (5 cubic yards or larger)	\$44.55	Per Hour		\$ -
Front End Loader	\$ 62.00	Per Hour	8.00	\$ -
Container Plants	\$ 12.50	Each		\$ -
Skid steer				\$ -
			total	\$ -


GES Signature

Ashlee Chatmode
EEPC


Trec Signature

APPENDIX E

**Carthage Mills****Product Data**

■ Carthage 4%™

Carthage 4%™ is a woven monofilament/fibrillated geotextile of 100% high-tenacity, polypropylene yarns which are woven into a stable network such that they retain their relative position. Carthage 4%™ is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
☐ Mechanical			
Grab Tensile Strength	ASTM D 4632	1.44 x 1.89 kN	325 x 425 lbs
Grab Tensile Elongation		15%	
Wide Width Tensile Strength	ASTM D 4595	32.22 x 43.78 kN/m	184 x 250 lbs/in 2208 x 3000 lbs/ft
Mullen Burst	ASTM D 3786	5170 kPa	750 psi
Trapezoidal Tear	ASTM D 4533	0.60 x 0.67 kN	135 x 150 lbs
Puncture	ASTM D 4833	0.67 kN	140 lbs
☐ Endurance			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
☐ Hydraulics / Filtration			
Permittivity ⁽¹⁾	ASTM D 4491	0.51 sec ⁻¹	
Water Flow Rate ⁽¹⁾		1426 lpm/m ²	35 gpm/ft ²
Percent Open Area	CW-02215	4-5%	
Apparent Opening Size (AOS) ⁽¹⁾	ASTM D 4751	0.300 mm	50 US Std. Sieve
☐ Physical			
Standard Roll Sizes / Packaging / Weight (Custom fabrication and packaging are available.)	Measured (Typical)	3.66 m x 91.44 m 334.4 m ² 97.5 kg	12.0 ft x 300 ft 400 yd ² 215 lbs

⁽¹⁾ At the time of manufacturing. Handling, storage and shipping may change these properties.

- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV), are calculated as the Typical minus two standard deviations and are based on a 97.7% confidence level.
- The properties reported above are effective 04/25/09 and are subject to change without notice.

Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the extent that it is contrary to the foregoing sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concerning the uses or applications of said product are believed reliable and seller makes no warranty of results to be obtained. If the product does not meet Carthage Mills current published specifications, and the customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without charge or refund the purchase price.

1243 Hunt Road
Cincinnati, OH 45242
www.carthagemills.com

513-794-1600 TELEPHONE
800-543-4430 TOLL FREE
513-794-2434 FACSIMILE

Since 1958: America's *First* Geotextile Company

Indian Valley Industries, Inc.

Technical Data Sheet

IVI High Density Coir Logs/Bio Fiber Rolls
Log Length - 10 LF (3.05 m) or 20 LF (6.10 m)

IVI Coir Logs are natural, environmentally compatible bioengineering solutions for stream and lakeshore erosion protection and slope stabilization. Made of 100% coir encased in a 2"x2" Rhombic coir netting, High Density Coir Logs are the industry's only machine-made logs, insuring a consistency found in no other product of their type.

Supplied in dimensions listed below, IVI High Density Coir Logs provide the user an opportunity to select the coir log, which meets their application requirements in the most cost effective manner. Easily installed using no special equipment, High Density Coir Logs help create a growth environment for plant materials in which vegetation can be restored and fragile eco-systems are protected.

PRODUCT TEST DATA			
	12-inch Diameter Roll (305mm)	16-inch Diameter Roll (406mm)	20-inch Diameter Roll (508mm)
Unit Weight	7.0 lbs/ft (10.4 kg/m)	12.5 lbs/ft (18.6 kg/m)	19.5 lbs/ft (28.8kg/m)
Core Density	9.0 lbs/cu.ft (145 kg/cu.m)	9.0 lbs/cu.ft (145 kg/cu.m)	9.0 lbs/cu.ft (145 kg/cu.m)
Outer Netting	3-ply coir with 0.40 in. dia (1cm dia.)		
Outer Netting Break- ing Strength	90 lbs (400N)		
Outer Netting Mesh Size	2" x 2" Rhombic mesh with handknotted junctions		
Inner Core	Unsorted, double-cleaned, well-graded, coir fiber		
Test results represent Minimum Average Roll Values (MARV) with the exception of weight which is a typical result.			

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate. Except when agreed to in writing for specific conditions of use, no warranty or guarantee expressed or implied is made regarding the performance of any product, since the manner of use and handling are beyond our control. Nothing contained herein is to be construed as permission or as a recommendation to infringe any patent.

Ernst Conservation Seeds Inc
9006 Mercer Pike
Meadville PA 16335-9299

Invoice	161110
Date	10/14/2011
Page	1

Ship To:

Trec Environmental
1018 Washington Street
Spencerport NY 14559

Bill To:

Trec Environmental
1018 Washington Street
Spencerport NY 14559

HISTORICAL

Purchase Order No.	PH 092811 JA 2
Customer ID	TRCC001
Salesperson ID	JEANNETTE
Shipping Method	PICKUP
Payment Terms	Credit Card
Reg Ship Date	9/28/2011
Master No.	201,384

Ordered	Shipped	B/O	Item Number	Description	Discount	Unit Price	Ext Price
267	267	0	CORSEER01STK	Redosier Dogwood Live Stake-3 Ft	\$0.00000	\$1.10000	\$293.70
850	850	0	CEPOCC001STK	Buttonbush Live Stakes-3 Ft	\$0.00000	\$1.10000	\$935.00
267	267	0	CORAM001STK	Silky Dogwood Live Stake-3 Ft	\$0.00000	\$1.10000	\$293.70
267	267	0	SALDIS01STK	Pussy Willow Live Stake-3 Ft	\$0.00000	\$1.10000	\$293.70
1,117	1,117	0	SALEXI01STK	Sandbar Willow Live Stake-3 Ft	\$0.00000	\$1.10000	\$1,228.70
267	267	0	SALNIG01STK	Black Willow Live Stake-3 Ft	\$0.00000	\$1.10000	\$293.70
265	265	0	SALSER01STK	Silky Willow Live Stake-3 Ft	\$0.00000	\$1.10000	\$291.50
2	2	0	ACERUB01GAL	Red Maple Potted Plant-#1 Rd	\$0.00000	\$5.75000	\$11.50
33	33	0	CORSEER01GAL	Redosier Dogwood Potted Plant-#1 Rd	\$0.00000	\$5.25000	\$173.25
2	2	0	110608-(6-15)	Hackberry Potted Plant-#1 Rd	\$0.00000	\$5.25000	\$10.50
70	70	0	CEPOCC001GAL	Buttonbush Potted Plant-#1 Rd	\$0.00000	\$5.25000	\$367.50
33	33	0	CORAM001GAL	Silky Dogwood Potted Plant-#1 Rd	\$0.00000	\$5.25000	\$173.25
37	37	0	QUEPAL01GAL	Pin Oak Potted Plant-#1 Rd	\$0.00000	\$5.75000	\$212.75
103	103	0	SALEXI01GAL	Sandbar Willow Potted Plant-#1 Shwewe	\$0.00000	\$5.25000	\$540.75
110608-(30-60)							
110915							
100915-(6-18)							
100915-(12-26)							
100915-(12-26)							
110608-(12-15)							
100915-(24-60)							
110915-(12-18)							
100915-(27-40)							
110608-(6-15)							
100915-(6-12)							
110608-(30-60)							
Subtotal						\$5,119.50	
Misc						\$0.00	
Tax						\$0.00	
Freight						\$0.00	
Trade Discount						\$0.00	
Total						\$5,119.50	

Finance charge added at 1.5% per month on any
invoiced not paid within stated terms. APR is 18%.
Please be advised that any check received will be
converted to a one-time electronic fund transfer.

585-594-5675

paid



Mirafi® FW500

Mirafi® FW500 geotextile is composed of high-tenacity monofilament and slit tape polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi® FW500 geotextile is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Wide Width Tensile Strength	ASTM D4595	lbs/in (kN/m)	183 (32.1)	250 (43.8)
Grab Tensile Strength	ASTM D4632	lbs (N)	325 (1446)	425 (1892)
Grab Tensile Elongation	ASTM D4632	%	15	15
Trapezoid Tear Strength	ASTM D4533	lbs (N)	135 (601)	150 (668)
CBR Puncture Strength	ASTM D6241	lbs (N)	1000 (4450)	
Apparent Opening Size (AOS) ¹	ASTM D4751	U.S. Sieve (mm)	50 (0.30)	
Percent Open Area	COE-02215	%	4	
Permittivity	ASTM D4491	sec ⁻¹	0.51	
Permeability	ASTM D4491	cm/sec	0.027	
Flow Rate	ASTM D4491	(gal/min/ft ²) l/min/m ²	35 (1426)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

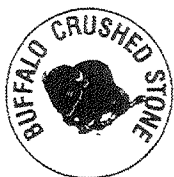
¹ ASTM D4751: AOS is a Maximum Opening Diameter Value

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D5261	oz/yd ² (g/m ²)	8.0 (271)
Thickness	ASTM D5199	mils (mm)	35 (0.9)
Roll Dimensions (width x length)	--	ft (m)	12 x 300 (3.7 x 91)
Roll Area	--	yd ² (m ²)	400 (334)
Estimated Roll Weight	---	lbs (kg)	212 (96)

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BUFFALO CRUSHED STONE

Subsidiary of New Enterprise Stone & Lime Co., Inc.
2544 Clinton St. • P.O. Box 710 • Buffalo, NY 14224
(716) 826-7310 • FAX (716) 826-1342

/ BUFFALO REDI-MIX CO.

-- INVOICE --

Terms: Invoices are due and payable on the 15th
of the month following the date of the invoice.

TREC ENVIRONMENTAL INC
1018 WASHINGTON STREET
SPENCERPORT, NY 14559

AFTER 30 DAYS FROM DUE DATE OF INVOICE, SERVICE OF FINANCE
CHARGES WILL BE COMPUTED AND CHARGED TO THE ACCOUNT BY
APPLYING 1.2% PER MONTH ON THE UNPAID BALANCE WHICH IS AN
ANNUAL PERCENTAGE RATE OF 18% PER YEAR.

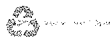
FED ID# 23-1374051

INVOICE
NUMBER 206186

INVOICE DATE	CUST. ACCT. NO.	CUST. JOB NO.	CUST. P.O. NO.	ZONE
10/21/11	033734 54			WEHRLI QUARRY

DESCRIPTION
DEPEW LANDFILL GENERAL CONTRACTOR

DATE SHIPPED	TICKET NO.	PRODUCT DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	TRANSPORTATION		TAX	TOTAL
						RATE	AMOUNT		
0/05/11	105911	HEAVY FIL	27.15						
0/05/11	105938	HEAVY FIL	24.75						
0/05/11	106037	HEAVY FIL	27.87						
0/05/11	042908	HEAVY FIL	26.05						
0/06/11	106109	HEAVY FIL	24.26						
0/06/11	106225	HEAVY FIL	28.32						
0/06/11	042977	HEAVY FIL	24.06						
0/06/11	042992	HEAVY FIL	25.24						
0/06/11	043008	HEAVY FIL	27.35						
			235.05						
0/11/11	106636	-2"C/R ST	21.39						
			21.39						



☐ TAX EXEMPT

TOTAL TONS

TOTAL SALE

TRUCK CHARGES

SALES TAX

7

TOTAL

Seller represents that the goods or services covered by this invoice have been
produced or rendered in full compliance with the requirements of the Fair Labor
Act of 1938, as amended including Section 12(a).
Seller warrants that all goods or services furnished or supplied under this order



CARMEN M. PARISO, INC.
INVOICE

REMIT TO:
273 S. ROYCROFT BLVD.
BUFFALO, NY 14225

S TREC ENVIRONMENTAL INC.
O 1018 WASHINGTON STREET
L SPENCERPORT, NY 14559
D
T
O

INVOICE # 153251
INVOICE DATE 10/31/11
P.O. #
TERMS NET 30 DAYS

JOB : 29331 / TREC
DESCRIPTION 315 BORDEN DEPEW

Date	Ticket	Qty	Rate	Amount	Origin	Wait	Hold	Tolls	Total
10/11/11	363784	5.00			INGALLS	0.00 @ 78.00	0.00 @ 78.00	0.00	
10/11/11	365244	5.00			INGALLS	0.00 @ 78.00	0.00 @ 78.00	0.00	
		10.00	LOAD			0.00	0.00	0.00	
TOTALS			OPSOIL RAW BY THE LOAD			\$0.00	\$0.00	\$0.00	

Fuel Surcharge : \$0.00

Total :

TOPSOIL
2040 / LOAD
206 403

Sub Total :

Sales Tax :

Amount Due :



INVOICE

REMIT TO:
273 S. ROYCROFT BLVD.
BUFFALO, NY 14225

S TREC ENVIRONMENTAL INC.
O 1018 WASHINGTON STREET
L SPENCERPORT, NY14559
D

T
O

INVOICE # **1729**
INVOICE DATE 10/31/11
P.O. #
TERMS NET 30 DAYS

JOB : 721 / TREC

DESCRIPTION 315 BORDEN DEPEW

Date	Ticket	Qty	Rate	Amount	Origin	Wait	Hold	Tolls	Total
10/11/11	L218957	6.00			INGALLS	0.00 @ 78.00	0.00 @ 78.00	0.00	
10/11/11	L222829	5.00			INGALLS	0.00 @ 78.00	0.00 @ 78.00	0.00	
		11.00	16005			0.00	0.00	0.00	
TOTALS			0- TOPSOIL RAW BY THE LOAD			\$0.00	\$0.00	\$0.00	

Fuel Surcharge : \$0.00

Total :

20 yd / LOAD

220 yards

Sub Total :

Sales Tax :

Amount Due :



CARMEN M. PARISO, INC.

INVOICE

REMIT TO:
273 S. ROYCROFT BLVD.
BUFFALO, NY 14225

S TREC ENVIRONMENTAL INC.
O 1018 WASHINGTON STREET
L SPENCERPORT, NY14559
D

T
O

INVOICE # 152938

INVOICE DATE 10/15/11

P.O. #

TERMS NET 30 DAYS

JOB : 29331 / TREC

DESCRIPTION 315 BORDEN DEPEW

Date	Ticket	Qty	Rate	Amount	Origin	Wait	Hold	Tolls	Total
10/12/11	334826	23.30				0.00 @ 78.00	0.00 @ 78.00	0.00	
		23.30				0.00	0.00	0.00	
TOTALS		\$297.08	STONE 2 CRUSHER RUN BY THE TON			\$0.00	\$0.00	\$0.00	

Fuel Surcharge : \$0.00

Total :

10/12/11	334825	21.86				0.00 @ 78.00	0.00 @ 78.00	0.00	
		21.86				0.00	0.00	0.00	
TOTALS		\$590.22	STONE MED WT BY THE TON			\$0.00	\$0.00	\$0.00	

Fuel Surcharge : \$0.00

Total :

Sub Total :

Sales Tax :

Amount Due :



to: Trec Environmental, Inc.
1018 Washington St.
Spencerport, NY 14559

DATE: October 15, 2011

TERMS: Net 30 days. A service charge of 1 1/2% per month or 18% per year will be made on all overdue accounts.

DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
10/6 #36271...76 150.93 ton Item 4 screened gravel (hailed by Boehmer) pit price - \$1 8% Catt. Co. tax		\$
THANK YOU!	AMOUNT DUE	\$

SAFEGUARD LITHO USA Form No. 87-3/L97CS005495 8/09

UNGERMANN EXCAVATING, INC. Norm Ungermann, Jr. 8917 Ungermann Road, Cuba, NY 14727 • PONDING • LAND CLEARING • DITCHES • ROADS • SITE DEVELOPMENT • TRUCKING COMMERCIAL (585) 968-1790 RESIDENTIAL	
off Route 16 Machias, NY 14101 (716) 353-8530	Date:
10/6 #36271...76 150.93 ton Item 4 screened gravel (hailed by Boehmer) pit price - \$1 8% Catt. Co. tax	
Gravel Bankrun (1 1/2" or 3" minus) Bankrun Stone Oversize arse round arse crushed	Washed Round #1 A's Washed Round #1 Washed Round #2 Washed Crushed #1 A's Washed Crushed #1 Washed Crushed #2 Filter Sand Mason Sand Road Grit Sand
Lbs. Lbs. Lbs. TOTAL	Material Delivery Sales Tax TOTAL
Terms: Net 30 Days A service charge of 1 1/2% per month or 18% per year will be made on all overdue accounts.	

Mapes - Machias Mine

