Shaw Environmental & Infrastructure, Inc.

13 British American Boulevard
Latham, NY 12110-1405
518.783.1996
Fax 518.783.8397

Shaw The Shaw Group Inc.™

August 6, 2003

Mr. Gerard Burke
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Subject: **Operations and Maintenance Report – IRM #1**
November 2002 through June 2003
100 Oser Avenue
Hauppauge, New York

Dear Mr. Burke:

This letter, prepared in accordance with the 100 Oser Avenue, New York Operations and Maintenance (O&M) Plan, dated September 27, 2000, summarizes the O&M activities from November 2002 through June 2003.

The following work was completed during the above-referenced reporting period:

I ADMINSTRATIVE ACTIVITIES

A. Description of Activities

1. Shaw Environmental, Inc. (Shaw) and Hirani Consulting (a Shaw subcontractor) continued activities related to the O&M of the soil vapor extraction/catalytic oxidation (SVE/CATOX) system.
2. Site visits were performed on a weekly basis and SVE/CATOX system sampling and soil gas sampling of SG-1 and SG-4 (soil gas sampling locations located outside of Building 100) were performed on a monthly. Monthly sampling of SG-1 and SG-4 ceased in April 2003, and is now performed on a quarterly basis. Quarterly sampling of the six (6) indoor soil gas sampling points located within Building 100 was also performed.
3. In April 2003, O&M activities were transitioned from Shaw to Hirani Consulting (Hirani). Hirani is a small minority engineering firm out of Mineola, NY that has been subcontracted by Shaw to perform the O&M duties at 100 Oser Avenue. Hirani reports directly to Shaw.

II OPERATION AND MAINTENANCE ACTIVITIES

A. Description of Activities

1. Shaw and Hirani continued operation of the SVE/CATOX system. Weekly visits were performed to ensure that the system was operation with the required parameters. The site visit forms are included in Appendix A.
2. The November monthly sampling event was performed on November 14, 2002. The scheduled event included the collection of samples from the SVE/CATOX system and sampling of two soil gas points (SG-1 and SG-4) located outside of Building 100 on the western side. Soil gas sampling locations are illustrated on Figure 1. All samples were analyzed for tetrachloroethene (PCE) in accordance with the National Institute of Occupational Safety and Health (NIOSH) Method 1003. The effluent samples from the SVE/CATOX system were also analyzed for hydrochloric acid (HCL) in accordance to NIOSH Method 7903. The analytical results for the soil gas and system samples are summarized in Tables 1 and 2, respectively. A certified laboratory chain of custody and analytical report are included in Appendix B.
3. The December monthly sampling event was performed on December 19, 2002. The scheduled event included the collection of samples from the SVE/CATOX system and sampling of the two soil gas points (SG-1 and SG-4) located outside of Building 100 on the western side (Figure 1). All samples were analyzed for PCE in accordance to NIOSH Method 1003, while the SVE/CATOX system effluent samples were also analyzed for HCL by NIOSH Method 7903. The analytical results for the soil gas and system samples are summarized in Tables 1 and 2, respectively. A certified laboratory chain of custody and analytical report are included in Appendix B.
4. The January monthly sampling event was performed on January 16, 2003. The scheduled event included the collection of samples from the SVE/CATOX system and sampling of the two soil gas points (SG-1 and SG-4) located outside of Building 100 on the western side and the six (6) soil sampling points (FSG-1 through FSG-6) located with Building 100 (Figure 1). All samples were analyzed for PCE in accordance to NIOSH Method 1003, while the SVE/CATOX system effluent samples were also analyzed for HCL by NIOSH Method 7903. The analytical results for the soil gas and system samples are summarized in Tables 1 and 2, respectively. A certified laboratory chain of custody and analytical report are included in Appendix B.
5. The February monthly sampling event was performed on February 14, 2003. The scheduled event included the collection of samples from the SVE/CATOX system and sampling of the two soil gas points (SG-1 and SG-4) located outside of Building 100 on the western side (Figure 1). All samples were analyzed for PCE in accordance to NIOSH Method 1003, while the SVE/CATOX system effluent samples were also analyzed for HCL by NIOSH Method 7903. The analytical results for the soil gas and system samples are summarized in Tables 1 and 2, respectively. A certified laboratory chain of custody and analytical report are included in Appendix B.
6. The March monthly sampling event was performed on March 19, 2003. The scheduled event included the collection of samples from the SVE/CATOX system and sampling of the two soil gas points (SG-1 and SG-4) located outside of Building

100 on the western side (Figure 1). All samples were analyzed for PCE in accordance to NIOSH Method 1003, while the SVE/CATOX system effluent samples were also analyzed for HCL by NIOSH Method 7903. The analytical results for the soil gas and system samples are summarized in Tables 1 and 2, respectively. A certified laboratory chain of custody and analytical report are included in Appendix B.

7. The April monthly sampling event was performed on April 29, 2003. The scheduled event included the collection of samples from the SVE/CATOX system and sampling of the two soil gas points (SG-1 and SG-4) located outside of Building 100 on the western side and the six (6) soil sampling points (FSG-1 through FSG-6) located with Building 100 (Figure 1). All samples were analyzed for PCE in accordance to NIOSH Method 1003, while the SVE/CATOX system effluent samples were also analyzed for HCL by NIOSH Method 7903. The analytical results for the soil gas and system samples are summarized in Tables 1 and 2, respectively. A certified laboratory chain of custody and analytical report are included in Appendix B. This sampling event was used as the transition from Shaw O&M to Hirani O&M. Shaw performed the system maintenance and sampling, while Hirani observed the activities. Hence forth, all system maintenance and sampling was performed by Hirani.
8. The May monthly sampling event was performed on May 31, 2003. The scheduled event included the collection of samples from the SVE/CATOX system. All samples were analyzed for PCE in accordance to NIOSH Method 1003, while the SVE/CATOX system effluent samples were also analyzed for HCL by NIOSH Method 7903. The analytical results for the soil gas and system samples are summarized in Tables 1 and 2, respectively. A certified laboratory chain of custody and analytical report are included in Appendix B.
9. The June monthly sampling event was performed on June 30, 2003. The scheduled event included the collection of samples from the SVE/CATOX system. All samples were analyzed for PCE in accordance to NIOSH Method 1003, while the SVE/CATOX system effluent samples were also analyzed for HCL by NIOSH Method 7903. The analytical results for the soil gas and system samples are summarized in Tables 1 and 2, respectively. A certified laboratory chain of custody and analytical report are included in Appendix B.

B. Summary of Findings

1. Shaw received laboratory analytical data for each sampling event. A summary of the data is presented in Tables 1 and 2.
2. The system was functioning properly during all sampling events in this period. Neither PCE nor HCL exceeded their respective short-term or long-term discharge limits.
3. During the current period, it is estimated that approximately 375 pounds of PCE was removed for the subsurface. An estimated cumulative total of approximately 800 pounds of PCE has been removed from the subsurface from system start-up through June 2003.

4. The historical soil gas data is graphically summarized and included as a Figure 2 in Appendix C. Based on the data gathered to date, there appears to be downward trend in the soil gas concentrations beneath the 100 Oser Avenue Building, indicating that IRM#1 is beginning to reduce PCE source concentrations.

C. Projected Work for Next Period

1. Quarterly soil gas sampling will continue.
2. Shaw is requesting that weekly site visits be reduced to biweekly site visits and monthly system sampling is reduced to quarterly sampling. Based on the current period of operation, biweekly visits would be sufficient to ensure that the system is operating at peak efficiency and quarterly system sampling is sufficient to ensure compliance with air discharge guidelines.

Please contact me with any comments or questions pertaining the continued Operation and Maintenance at the 100 Oser Avenue Site at 518-783-6088 extension 215.

Sincerely,
Shaw Environmental, Inc.

Heide-Marie Dudek
Project Manager

Cc: Project File
Hirani Engineering, Inc.

Table 1
Soil Gas Sample Analalytical Results
100 Oser Avenue
Hauppauge, New York

	FSG-1	FSG-2	FSG-3	FSG-4	FSG-5	FSG-6	SG-1	SG-4
11/29/2000	1,390	14,220	4,420	261	533	1,290	3,260	9,400
12/27/2000	2,910	15,402	13,020	263	2,950	2,850	2,600	11,000
02/07/2001	1,070	14,260	33,320	276	1,139	2,579	2,070	728
02/22/2001	1,730	12,830	28,740	433	1,990	2,590	167	NS
05/31/2001	NS	6,960	27,130	182	1,210	NS	4,480	13,530
07/02/2001	2,110	1,240	7,330	5,130	2,260	1,830	657	NS
08/07/2001	1,450	3,080	11,170	4,570	2,700	130	1,670	3,160
09/20/2001	3.6	3,620	12,030	92	564	338	2,120	5,240
11/01/2001	836	5,813	39,974	127	1,121	382	658	8,586
02/28/2002	1,260	6,270	20,450	201	1,330	1,810	ND	ND
03/29/2002	2,910	6,000	16,490	1,120	1,510	2,060	4,030	315
04/30/2002	1,730	10,140	55,590	ND	1,260	3,180	5,300	1,550
05/29/2002	4,450	8,389	33,900	389	181	2,700	8,910	2,060
07/24/2002	300	242	22,110	1,694	1,117	1,579	7,870	1,789
10/10/2002	64	434	553	36	506	430	3,050	653
11/14/2002	NS	NS	NS	NS	NS	NS	109	<8.7
12/19/2002	NS	NS	NS	NS	NS	NS	4,410	630
01/16/2003	635	1,320	2,130	290	1,090	1,060	6,290	2,270
02/14/2003	NS	NS	NS	NS	NS	NS	7,890	2,620
03/19/2003	NS	NS	NS	NS	NS	NS	2,670	929
04/25/2003	236	339	3,530	41	742	1,620	5,120	2,500

Source: *Adirondack Environmental Services, Albany, New York, 2000, 2001, 2002*

Notes: *Concentrations listed in milligrams per cubic meter of tetrachloroethene.*
NS - sample not collected.
ND - not detected at or above the laboratory detection limit.

Table 2
SVE/Catox Sample Analalytical Results
100 Oser Avenue
Hauppauge, New York

	Tetrachloroethene							Hydrochloric Acid	
Date	Extraction Well Effluent		Blower Influent	Blower Effluent		Catox Effluent		Catox Effluent	
10/30/2000	NS	NS	NS	11.1	NS	<3.3	NS	1.4	NS
11/29/2000	1390	NS	NS	211	NS	<4.4	NS	<2.2	NS
12/22/2000	783	NS	NS	NS	NS	<8.7	NS	<3.8	NS
02/07/2001	618	NS	NS	189	NS	271	NS	11.4	NS
02/22/2001	76	NS	NS	<10	NS	<5	NS	15.4	NS
03/27/2001	219	255	NS	133	105	<10.3	NS	<4.2	<4.2
04/13/2001	594	625	NS	139	186	<10	<10	280	210
05/31/2001	1180	NS	NS	215	170	<9.9	<9.9	9.4	50
07/02/2001	1070	NS	NS	705	NS	33	NS	206	NS
08/07/2001	1520	1540	NS	312	421	352	<8.7	161	71
09/20/2001	1900	1010	NS	16.5	107	22	17	<3	<4.2
11/01/2001	2291	<10	NS	114	143	44	44	<4.1	<4.1
02/28/2002	304	NS	309	<9.7	NS	<6.5	NS	<1.1	NS
03/29/2002	452	NS	575	53	NS	33	NS	<1.4	NS
04/30/2002	3260	NS	2540	466	NS	<8.3	NS	<1.3	NS
05/29/2002	3410	NS	<8.1	65	NS	<8	NS	<1.3	NS
06/27/2002	<7.9	NS	251	<7.2	NS	<7.5	NS	1.9	NS
07/24/2002	1430	NS	2217	61	NS	474	NS	2.5	NS
10/10/2002	281	NS	53	142	NS	17	NS	<1.4	NS
11/14/2002	182	NS	135	224	NS	<8.7	NS	NS	NS
12/19/2002	472	NS	523	152	NS	8.9	NS	2.9	NS
01/16/2003	402	NS	177	167	NS	211	NS	<1.4	NS
02/14/2003	481	NS	<8.5	334	NS	24	NS	2.2	NS
03/19/2003	1700	NS	1050	569	NS	NS	NS	<1.3	NS
04/25/2003	1880	NS	1050	997	NS	64	NS	156	NS
05/31/2003	1370	NS	1010	152	NS	9.17	NS	4.06	NS
06/30/2003	973	NS	783	97.9	NS	7.86	NS	16.4	NS

Source: *Adirondack Environmental Services, Albany, New York, 2000, 2001, 2002*

Notes: *NS - sample not collected.*
Concentrations expressed in milligrams per cubic meter.

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: A.P.

Visit Date: 11/08/02

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 45

Air Monitoring Equipment Unit No. [redacted]

Date Calibrated: [redacted]

System Check

Perform once a month

Is System running upon arrival? (yes) No

Record Influent flowrate: _____ cfm

Record CATOX Temperatures: T1: 379 T2: 376 T3: 402

System Sampling

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (belts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No) CLEANED

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No ~2 4 GAL.

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION

SYSTEM OPERATING UPON ARRIVAL.
SVE PID - 209 ppm
STACK EFF PID - 5.3 ppm.
SVE FLOW - 24.6 CFM.
BLOWER EFFLUENT FLOW - 54 CFM.
BLOWER EFF. PRESSURE - 11" WC
SVE VACUUM. - 0.52" WC.
DILUTION VALVE 50% OPEN.
AIR FILTER CLEANED - O.K
KNOCK OUT ~ 4 GAL DRAINED
DATA SHEETS HAS TO BE UPDATED
SYSTEM OPERATING UPON DEPARTURE

100 Oser Avenue Site Visit Form

Tech Name: I. PANTELEIKO

Visit Date: 11/14/02

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 50

Air Monitoring Equipment Unit No. _____

Date Calibrated: _____

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: _____ cfm

Record CATOX Temperatures: TI: 381 T2: 376 T3: 400.

System Sampling O.K.

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (belts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No 4 GAL.

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION.

SYSTEM OPERATING UPON ARRIVAL.
- KNOCK OUT - 4 GAL ORDINED.
- AIR FILTER - O.K.
- SYSTEM MONTHLY SAMPLED - O.K.
- SVE PID — 81.7 PPM.
- SVE VAC — 0.42" WC
- SVE FLOW — 24.7 CFM.
- BLOWER EFFLOW — 48.2 CFM
- BLOWER EFF. PRESSURE — 11" WC
- STACK EFF PID — 1.4 PPM.

P.S. M.S. HEATRACE PLUGED IN

HEATTRACE FOR SVE LINE PLUGED IN, NOT HEATTRACE FOR MOISTURE SEPAR
SYSTEM OPERATING UPON DEPARTURE. EXTENSION CORD NEEDED

Shaw Environmental & Infrastructure, Inc.

101 Colin Drive, Suite 1
Holbrook, NY 11741-4332
631.472.4000
Fax 631.472.4077

Shaw The Shaw Group Inc.™

ATTN: SAUL.

11/14/02.

OSER AVE SAMPLING DATA.

AVER. FLOW	POINT	TIME	TUBE	SAMPL. TIME	AIR VOL (LITER)	ANALYS. REQ.
0.192	SG 4	14.00	CHARCOAL	6 min.	1.15	PCE
0.192	SG 1	14.30		6 min.	1.15	PCE
0.192	WELLHEAD	15.00		6 min.	1.15	PCE
0.192	BLOWER EFFLUENT	15.30		6 min.	1.15	PCE
0.192	BLOWER INFLUENT	16.00		6 min.	1.15	PCE
0.192	CATOX EFFLUENT	16.30		6 min.	1.15	PCE
0.192	FIELD BLANK	17.00		6 min.	1.15	PCE
0.192	CATOX EFFLUENT	17.30	SILICA	15 min.	2.88	HCL
0.192	FIELD BLANK	17.00	SILICA	15 min.	2.88	HCL

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	OSTA AVE	ALEX HARTFIELD
ADDRESS	**PO NUMBER**	**SAMPLERS' (Signatures)**
101-1 COLONIE HYGRAW [illegible]	[illegible]	[signature]

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
	STACK EFFLUENT	11/14/02	2:00 P	SILICA GEL	1	15	2.88	HCL BY NIOSH 7903
	STACK EFFLUENT	11/14/02	2:30 P	CHARCOAL	1	6	1.152	PCE BY NIOSH 1003
	WELLHEAD.	11/14/02	3:00 P	CHARCOAL	1	6	1.158	PCE BY NIOSH 1003
	BLOWER INFLUENT	11/14/02	3:30 P	CHARCOAL	1	6	1.152	PCE BY NIOSH 1003
	BLOWER EFFLUENT	11/14/02	4:00 P	CHARCOAL	1	6	1.152	PCE BY NIOSH 1003
	SG1	11/14/02	4:30 P	CHARCOAL	1	6	1.152	PCE BY NIOSH 1003
	SG4	11/14/02	5:00 P	CHARCOAL	1	6	1.152	PCE BY NIOSH 1003
	FIELD BLANK	11/14/02	5:30 P	SILICA	1	15	2.88	HCL BY NIOSH 1003
	FIELD BLANK	11/14/02	6:00 P	CHARCOAL	1	6	1.152	PCE BY NIOSH 1003
			A P					
			A P					
			A P					
			A P					
			A P					

SEND REPORT TO	SEND INVOICE TO	
HEIDI LUPKA	HEIDI LUPKA	Samples received in good condition: ___Y ___N Samples collected on proper media: ___Y ___N Comments:

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

- ☒ *STANDARD SERVICE
- ☐ *RUSH SERVICE — Results requested by:
- ☐ FAX RESULTS TO: SHOE ASH FAX # (914) 633-9685
- ☐ PHONE RESULTS TO: SAUL ASH PH # (914) 633-9548

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
[signature]			
RELINQUISHED BY (Signature)	**RECEIVED BY (Signature)**	**DATE**	**TIME**

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

U.S. Environmental Rental Corporation

14 Jersey Avenue
Metuchen, NJ 08840
Tel.: 732-603-2600
Fax: 732-603-2601

Rental Contract No. 2042
Date: 11/11/02
Time: ______ a.m./p.m.

Today's Date: 11/11/02
Employee Init. NK
Sales Rep. ______

Approximate Rental Period: ☑ Daily ☐ 3-Day ☐ Weekly ☐ Monthly

☐ Customer Pickup ☐ Delivery ☑ Ship

BILLING INFORMATION

Purchase Order No. [illegible]
Company Name [illegible] Env. Holbrook
Contact Alex Pantelejko Phone 631-472-4100
Address 101-1 Colin Dr.
City Holbrook State NY Zip 11741
Credit Card: ☐ AMEX ☐ Visa/Mastercard ☐ Discover
Cardholder
Number ______ Exp. ______

SHIPPING INFORMATION

Method: ☐ Priority Overnight ☐ Standard Overnight ☐ Saturday Delivery ☑ Other 2-Day
FedEx Account #
FedEx Ref. #
Company Name
Contact Alex Pantelejko Phone 646-996-7818
Address 20 Bogardus Pl.
City New York State NY Zip 10040

Manufacturer	Model	Description			Serial Number	
Gilian	GilAir 5	Air Sampling Pump			16278	
Rental OUT	**Rental IN**	**Daily**	**3-Day**	**Weekly**	**Monthly**	**Item Total**
11/14/02		25	50	75	225	

Manufacturer	Model	Description			Serial Number	
BIOS	DC Lite	Dry Calibrator			6774	
Rental OUT	**Rental IN**	**Daily**	**3-Day**	**Weekly**	**Monthly**	**Item Total**
11/14/02		25	50	75	225	

Manufacturer	Model	Description			Serial Number	
Gilian		Low Flow Module				
Rental OUT	**Rental IN**	**Daily**	**3-Day**	**Weekly**	**Monthly**	**Item Total**
11/14/02		10	20	30	100	

Manufacturer	Model	Description			Serial Number	
Rental OUT	**Rental IN**	**Daily**	**3-Day**	**Weekly**	**Monthly**	**Item Total**

Rentals

Pump to 2 lpm

w/ a piece of tygon tubing

Rental Charges	
Delivery/Freight	
Supplies	
Other	
Sub-Total	
Sales Tax	
TOTAL	

...s the rental unit and ends the day the unit is returned/arrives at our ... stated in writing from U.S. Environmental Rental Corporation. ... all accessories, and have deemed them to be in good working ... any and all damage to the equipment while in our possession ...mental Rental Corporation. I/We agree to pay for any and ...pment. I/We also agree to pay for any and all rental charges ... being replaced. Any damaged or non-working equipment ...tal charges.

X ______
Signature

Printed Name ______

Date ______

UPS Next Day Air
UPS Worldwide Express℠
Shipping Document

See instructions on back. Call 1-800-PICK-UPS (800-742-5877) for additional information.

TRACKING NUMBER 1Z 63V 993 22 1000 160 2

1 SHIPMENT FROM
SHIPPER'S UPS ACCOUNT NO. — UPS ACCOUNT NO. 63V993
REFERENCE NUMBER: 824 317
NAME: ALEX PANTELEIKO — TELEPHONE: 631-472-4000
COMPANY: SHAW E & L INC.
STREET ADDRESS: 101 COLIN DR SUITE 1
CITY AND STATE: HOLBROOK NY — ZIP CODE: 11741-4332

2 EXTREMELY URGENT DELIVERY TO
NAME: RECIEVING. — TELEPHONE: (518)434 4546
COMPANY: ADIRONDACK
STREET ADDRESS: 314 NORTH PEARL STREET — DEPT./FLR.
CITY AND STATE (INCLUDE COUNTRY IF INTERNATIONAL): ALBANY N.Y — ZIP CODE: 12207

SHIPPER'S COPY 1

3 WEIGHT — WEIGHT — DIMENSIONAL WEIGHT If Applicable: /

4 TYPE OF SERVICE — [X] NEXT DAY AIR; [ ] EXPRESS (INT'L)
FOR WORLDWIDE EXPRESS SHIPMENTS Mark an "X" in this box if shipment only contains documents of no commercial value. [ ] DOCUMENTS ONLY

5 OPTIONAL SERVICES — [ ] SATURDAY PICKUP See instructions. [ ] SATURDAY DELIVERY See instructions.
[ ] INSURED VALUE $ ____ AMOUNT
[ ] C.O.D. $ ____ AMOUNT

6 ADDITIONAL HANDLING CHARGE — [ ] An Additional Handling Charge applies for certain items. See instructions.

TOTAL CHARGES $

7 METHOD OF PAYMENT — [X] BILL SHIPPER; [ ] BILL RECEIVER; [ ] BILL THIRD PARTY (Domestic Only); [ ] CREDIT CARD (American Express, Diner's Club, Discover, MasterCard, Visa); [ ] CHECK
Record Account No. in Section 8

8 RECEIVER'S / THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO. — EXPIRATION DATE /
THIRD PARTY'S COMPANY NAME
STREET ADDRESS
CITY AND STATE — ZIP CODE

9 SHIPPER'S SIGNATURE X [signature]

DATE OF SHIPMENT 11/15/02

NOV-15-2002 12:14 PM

UPS Next Day Air®
UPS Worldwide Express℠
Shipping Document

See instructions on back. Call 1-800-PICK-UPS (800-742-5877) for additional information.

TRACKING NUMBER 1Z 63V 993 22 1000 159 5

1 SHIPMENT FROM

SHIPPER'S UPS ACCOUNT NO. — UPS ACCOUNT NO. **63V993**

REFERENCE NUMBER 824317

TELEPHONE 631-472-4000

PANTELEIKS

COMPANY **SHAW E & I, INC.**

STREET ADDRESS **101 COLIN DR SUITE 1**

CITY AND STATE **HOLBROOK** **NY** ZIP CODE **11741-4332**

2 EXTREMELY URGENT DELIVERY TO

NAME RECEIVING TELEPHONE (732) 6032600

COMPANY U.S. ENVIRONMENTAL RENTAL

STREET ADDRESS 14 JERSEY AVENUE DEPT./FLR. Residential ☐

CITY AND STATE (INCLUDE COUNTRY IF INTERNATIONAL) METUCHEN N.J ZIP CODE 08840

P.06

SHIPPER'S COPY 1

3 WEIGHT	WEIGHT ENTER "LTR" IF LETTER	DIMENSIONAL WEIGHT If Applicable: 7
4 TYPE OF SERVICE	☒ NEXT DAY AIR ☐ EXPRESS (INT'L)	CHARGES
	FOR WORLDWIDE EXPRESS SHIPMENTS Mark an "X" in this box if shipment only contains documents of no commercial value. ☐ DOCUMENTS ONLY	$
5 OPTIONAL SERVICES	☐ SATURDAY PICKUP See Instructions. ☐ SATURDAY DELIVERY See Instructions.	$
	☐ INSURED VALUE Contents are automatically protected up to $100. For insured value over $100, see instructions. $ ____ AMOUNT	$
	☐ C.O.D. If C.O.D., enter amount to be collected and attach completed UPS C.O.D. tag to package. $ ____ AMOUNT	$
6 ADDITIONAL HANDLING CHARGE	☐ An Additional Handling Charge applies for certain items. See instructions.	$
TOTAL CHARGES		$
7 METHOD OF PAYMENT	BILL SHIPPER ☒ BILL RECEIVER ☐ BILL THIRD PARTY ☐ (Domestic Only) CREDIT CARD ☐ American Express, Diner's Club, Discover, MasterCard, Visa (Record Account No. in Section 8)	CHECK ☐

8 RECEIVER'S / THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO. EXPIRATION DATE /

THIRD PARTY'S COMPANY NAME

STREET ADDRESS

CITY AND STATE ZIP CODE

9 SHIPPER'S SIGNATURE X [signature]

DATE OF SHIPMENT / /

0101011202609 11/00 W

NOV-13-2002 12:14 PM

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: L. PANTELEICO

Visit Date: 11.21.02.

Weather: Rain Snow Sunny (Cloudy) Blizzard Temperature 42.

Air Monitoring Equipment Unit No. _____

Date Calibrated: _____

System Check O.K. Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: _____ cfm

Record OATOX Temperatures: T1: 380 T2: 378 T3: 402.

System Sampling N/A. Perform once a month

Sample Influent: charcoal tubes Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (belts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No) FILTER O.K.

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION.

SYSTEM OPERATING UPON ARRIVAL.
- FILTER (PID) - O.K
- HEATRACE SVE AND KNOCK OUT PLUGGED/OPERATING - O.K.
- ~20 GAL. DRAINED (KNOCK OUT)
- SVE PID - 139 PPM
- SVE VAC - 0.58 "WC
- SVE FLOW - 24.7 CFM
- STACK PID - 4.2 PPM
- BLOWER EF. PRESSURE - 11 "WC
- DILUTION VALVE - 50% OPEN.
-

SYSTEM OPERATING UPON DEPARTURE.

100 Oser Avenue Site Visit Form

Tech Name: B. FRITZ

Visit Date: 11-25-02

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION.

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 40°

MET MR. RAO FROM HIRANI ENG. ON SITE

Air Monitoring Equipment Unit No. Photovac 2020

Date Calibrated: 11-25-02

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: 24.1 cfm

Record CATOX Temperatures: TI: 379 T2: 378 T3: 402

System Sampling

Perform once a month

Sample Influent: charcoal tubes NA Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal Measure once per month using a PID NA NO SAMPLING 1ST VISIT

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No bolts ok

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY

	FLOW Ft³/min	PID
SVE 1 – STACK	24.1	138 PPM
		0.5 PPM
BLOWER EFF.	57.0	37.8 PPM
BLOWER INF.	48" WC	

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No CHECKS OK

DILUTION VALVE – 50%

BLOWER EFFLUENT – 1.5 PSI

NOTE: SAMPLE BOTTLES INSIDE SYSTEM COMPOUND HAVE BEEN BLOWN AROUND. CARDBOARD BOXES HAVE BEEN RUINED FROM WEATHER. I PICKED UP BOTTLES AND PUT THEM IN A PLASTIC BAG.

HEAT TRACE ON AROUND MOISTURE SEPARATOR AND SVE 1 INLET.

SYSTEM OPERATING UPON DEPARTURE.

ATTN: SAUL. 1914/633 4685.

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: A. PANTELEIKO

Visit Date: 12/02/02

Weather: Rain Snow Sunny (Cloudy) Blizzard Temperature 40

Air Monitoring Equipment Unit No. _____

Date Calibrated: _____

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record influent flowrate: _____ cfm

Record CATOX Temperatures: T1: 379 T2: 378 T3: 403

System Sampling

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (belts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture seperator: (Yes) No EMPTY.

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION.

SYSTEM OPERATING UPON ARRIVAL.
- KNOCK OUT - EMPTY
- AIR FILTER - O.K.
- HEAT TRACE - O.K.
- SVE PID - 111 ppm.
- SVE VAC - 0.52" WC.
- SVE FLOW - 25.7 CFM
- STACK PID - 3.8 ppm
- BLOWER EFF PRESSURE - 11" WC.

DILUTION VALVE OPEN - 50%
- BLOWER INFLUENT VACUUM - 52" WC
SYSTEM OPERATING UPON DEPARTURE.

TTN: SAUL. 1914/633 4685.

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: A. PANTELEIKO

Visit Date: 12/12/02

Weather: Rain Snow Sunny (Cloudy) Blizzard Temperature 40

Air Monitoring Equipment Unit No. _____

Date Calibrated: _____

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: _____ cfm

Record CATOX Temperatures: T1: 379 T2: 377 T3: 401

System Sampling

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (belts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY.

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION

SYSTEM OPERATING UPON ARRIVAL

- KNOCK OUT - EMPTY
- AIR FILTER - O.K
- HEAT TRACE - O.K
- SVE PID - 45.8 ppm
- SVE VAC - 0.74 "WC
- SVE FLOW - 26.2 CFM
- STACK PID - 0.0 ppm ; BLOWER EF. PID - 25.5 ppm
- BLOWER EF PRESSURE - 11 "WC
- DILUTION VALVE OPEN - 50%
- BLOWER INFLUENT VACUUM 52 "WC

SYSTEM OPERATING UPON DEPARTURE

Shaw Environmental & Infrastructure, Inc.

101 Colin Drive, Suite 1
Holbrook, NY 11741-4332
631.472.4000
Fax 631.472.4077

Shaw The Shaw Group Inc.™ ATTN.: SAUL.

12/19/02
OSER AVE SAMPLING DATA

POINT	TIME.	AVER. FLOW LITER/Min.	TUBE	SAMPLE TIME	AIR. VOLUME (LITERS)	ANALYS. REQUES.
SG1	11.30	0.198	CHARCOAL	6 min	1.18	PCE
SG4	12.00	0.198	CHARCOAL	6 min	1.18	PCE
WELL HEAD	12.30	0.207	CHARCOAL	6 min	1.24	PCE
BLOWER EFFLUENT	13.00	0.198	CHARCOAL	6 min	1.18	PCE
BLOWER INFLUENT	13.30	0.198	CHARCOAL	6 min	1.18	PCE
STACK EFFLUENT	14.00	0.207	CHARCOAL	6 min	1.24	PCE
FIELD BLANC	14.30	0.207.	CHARCOAL	6 min	1.24	PCE
STACK EFFLUENT	15.00	0.207	SILICA	15 min	3.10	HCL
FIELD BLANC.	15.30	0.207	SILICA.	15 min.	3.10	HCL

fixed up to 12/19/

ATTN: SAUL.

ıe Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

oudy) Blizzard Temperature 36.

Perform once a month

Record Influent flowrate: _____ cfm

Record CATOX Temperatures: TI: 380 T2: 378 T3: 402

System Sampling O.K (Perform once a month)

Sample Influent: ✓ charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: ✓ charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: NO 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION.

SYSTEM OPERATING UPON ARRIVAL.
- SYSTEM MONTHLY SAMPLED - O.K.
- KNOCK OUT - EMPTY
- SITE is CLEAN.
- HEATTRACE - O.K.
- SVE VAC - 0.68" WC
- SVE FLOW - 25.0 CFM.
- SVE PID - 146 PPM.
- STACK PID - 2.4 PPM.
- BLOWER EF PR - 10" WC
- BLOWER VAC - 50" WC

SYSTEM OPERATING UPON DEPARTURE

ATTN: SAUC.

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: A. PANTELEIKO.

Visit Date: 01/02/03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 37.°F

Air Monitoring Equipment Unit No. —

Date Calibrated: —

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record influent flowrate: — cfm

Record CATOX Temperatures: T1: 378 T2: 377 T3: 402

System Sampling

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No (EMPTY)

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION.

SYSTEM OPERATING UPON ARRIVAL
- KLOCK OUT - EMPTY
- AIR FILTER - O.K.
- SITE IS CLEAN.
- HEAT - O.K.

SVE PID - 99 ppm.
SVE VAC - 0.60" W.C.
SVE FLOW - 25.5 CFM
STACK PID - 0.0 ppm.
BL. EF. PR. - 11." W.C.
DILUTION VALVE - 50%
SYSTEM OPERATING UPON DEPARTURE

OSER AVE
CHRIS G.

1-8-03
SNOW 35°

- SVE SYSTEM OPERATING UPON ARRIVAL

- DILUTION VALVE - 10% open
- KNOCKOUT - EMPTY

- FLOW:

	FT3/MIN
- INFLUENT -	—
- BLOWER EFFLUENT -	45.1
- STACK EFFLUENT -	.0190
- WELL HEAD -	23.9

VACUUM:

	" H20
- WELLHEAD -	1.1
- INFLUENT -	49" ↓
- BLOWER EFF -	10"+
- STACK -	.01"+

PID:

	PPM
- INFLUENT -	268
- BLOWER EFFLUENT -	92.0
- STACK EFFLUENT -	0.0

- SOME WATER IN SITE TUBE ON WELL HEAD PIPING - NOT FROZEN

- INFLUENT VALVE - 100%
- CATOX ON LINE
- BLOWER CHECKS ok

CATOX LEVELS:

T1	T2	T3
350	376	402
380	500	580

- HEAT TRACE ON LINE : WORKING PROPERLY
- SYSTEM OPERATING UPON DEPARTURE
- PIPING FROM PILOT TEST ON SITE, REMOVAL : DISPOSAL SHOULD BE COMPLETED TO CLEAR SITE

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: A. PANTELEIKO

Visit Date: 1/16/03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 25°F.

Air Monitoring Equipment Unit No. —

Date Calibrated: —

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: — cfm

Record CATOX Temperatures: TI: 380 T2: 375 T3: 402

System Sampling QUARTERLY

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY.

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION

SYSTEM OPERATING UPON ARRIVAL.
- SYSTEM SAMPLED - O.K.
- KNOCK OUT - EMPTY
- DILUTION VALVE - 50%
- SVE PID - 135 PPM
- SVE FLOW - 24.4 CFM.
- SVE VAC - 0.82" W.C
- STACK PID - 0.7
- BLOWER EFF. PR - 11" W.C

SYSTEM OPERATING UPON DEPARTURE.

Shaw Environmental & Infrastructure, Inc.

101 Colin Drive, Suite 1
Holbrook, NY 11741-4332
631.472.4000
Fax 631.472.4077

Shaw The Shaw Group Inc.™

ATTN: SAUL.

1/16/03

OSER AVE SAMPLING DATA

POINT	TIME.	AVER. FLOW LITER/Min.	TUBE	SAMPLE TIME	AIR. VOLUME (LITERS)	ANALYS. REQUES.
SG1	1.40pm.	0.196	CHARCOAL	6min	1.14	PCE
SG4	1.10p.m.	0.201	CHARCOAL	6min	1.26	PCE
WELL HEAD	2.10p.m.	0.196	CHARCOAL	6min	1.14	PCE
BLOWER EFFLUENT	2.25pm.	0.196	CHARCOAL	6min	1.14	PCE
BLOWER INFLUENT	3.00p.m.	0.196	CHARCOAL	6min	1.14	PCE
STACK EFFLUENT	3.15p.m.	0.196	CHARCOAL	6min	1.14	PCE
FIELD BLANC	4.00p.m.	0.196.	CHARCOAL	6min	1.14	PCE
STACK EFFLUENT	4.10p.m.	0..196	SILICA	15min	2.94	HCL
FIELD BLANC.	5.00pm.	0.196	SILICA.	15min.	2.94	HCL

Shaw Environmental & Infrastructure, Inc.

101 Colin Drive, Suite 1
Holbrook, NY 11741-4332
631.472.4000
Fax 631.472.4077

Shaw The Shaw Group Inc.™

ATTN.: SAUL.

11/16/03

OSER AVE SAMPLING DATA

POINT	TIME.	AVER. FLOW LITER/Min.	TUBE	SAMPLE TIME	AIR. VOLUME (LITERS)	ANALYS. REQUES.
FSG2	11.25	0.196	CHARCOAL	6 min	1.14	PCE
FSG3	12.35	0.196	CHARCOAL	6 min	1.26	PCE
FSG4	10.55	0.196	CHARCOAL	6 min	1.14	PCE
FSG5	10.30	0.196	CHARCOAL	6 min	1.14	PCE
FSG6	11.50	0.196	CHARCOAL	6 min	1.14	PCE
FSG1	12.10	0.196	CHARCOAL	6 min	1.14	PCE

Adirondack Environmental Services, Inc.®
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	100 OSTRAVE	A. PANTELEAKO.
ADDRESS 13 BRITISH AMERICAN BLVD LATHAM, N.Y 12110	PO NUMBER 824317	SAMPLERS' (Signatures)

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
	FSG5	11/16/03	10.30 A/P	SINK CORE TUBE	1	6	1.14	PCE BY NIOSH 7903
	FSG4		10.57 A/P		1	6	1.14	
	FSG2		11.23 A/P		1	6	1.14	
	FSG6		11.50 A/P		1	6	1.14	
	FSG1		12.10 A/P		1	6	1.14	
	FSG3		12.35 A/P		1	6	1.26	
	SG4		1.10 A/P		1	6	1.26	
	SG1		1.40 A/P		1	6	1.14	
	WELLHEAD		2.10 A/P		1	6	1.14	
	BLOWER EFFLUENT		2.25 A/P		1	6	1.14	
	BLOWER INFLUENT		3.00 A/P		1	6	1.14	
	CATOX EFFLUEN		3.15 A/P		1	6	1.14	
	FIELD BLANC		4.00 A/P		1	6	1.14	
			A/P					

SEND REPORT TO	SEND INVOICE TO
SHAW E&I DREW GRAHAM	SHAW E&I DREW GRAHAM.

Samples received in good condition: ___Y ___N
Samples collected on proper media: ___Y ___N
Comments:

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

- [X] *STANDARD SERVICE
- [ ] *RUSH SERVICE — Results requested by: _____
- [ ] FAX RESULTS TO: _____ FAX # ( ) -
- [ ] PHONE RESULTS TO: _____ PH # ( ) -

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

Adirondack
Environmental Services, Inc.®

314 North Pearl Street
Albany, New York 12207
518-434-4546 / 434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	100 OSER AVE	A. PARTELEIRO
ADDRESS 13 BRITISH AMERICAN AVE LATHAM, N.Y 12110	**PO NUMBER** 824317	**SAMPLERS' (Signatures)** [signature]

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
	CATOX EFFLUENT	1/16/03	4.10 P	SILICA TUBE	1	15	2.940	HCL NIOSH 7903
	FIELD BLANK.	1/16/03	5.00 P	SILICA TUBE	1	15	2.940.	↓ ↓
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

SEND REPORT TO
[illegible]
DREW GRAHAM

SEND INVOICE TO
[illegible]
DREW GRAHAM.

Samples received in good condition: ___Y ___N
Samples collected on proper media: ___Y ___N
Comments:

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY
☒ *STANDARD SERVICE
☐ *RUSH SERVICE — Results requested by: ______
☐ FAX RESULTS TO: ______ FAX # (   )   -
☐ PHONE RESULTS TO: ______ PH # (   )   -

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
[signature]			
RELINQUISHED BY (Signature)	**RECEIVED BY (Signature)**	**DATE**	**TIME**

WHITE — Lab Copy　　YELLOW — Sampler Copy　　PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

100 Oser Avenue Site Visit Form

Tech Name: B. FRITZ

Visit Date: 1-23-03

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 19° WIND CHILL 10°

Air Monitoring Equipment Unit No. PhotoVAC 2000 84594

Date Calibrated: 11-20-02

System Check

Perform once a month

Is System running upon arrival? (yes) No

Record Influent flowrate: 5.70 cfm

Record CATOX Temperatures: TI: 381 T2: 372 T3: 400

System Sampling

N A NO SAMPLING this Visit

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) **PERFORM WEEKLY**

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY HEAT TRACE ON WORKING PROPERLY

Catalytic Oxidation Unit (Each Visit) **PERFORM WEEKLY**

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION VISIBLE

SVE 1 - VAC : 0.14" WC
FLOW : 7.00 CFM
PID : 115 PPM

EFFLUENT STACK : 0.0 PPM
BLOWER EFFLUENT PID - 14.9 PPM
BLOWER EFFLUENT FLOW - 53.0 CFM
BLOWER EFFLUENT PSI - 1.8 PSI
DILUTION VALVE - APPROX. 50%
SYSTEM OPERATING UPON DEPARTURE

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: A. PANTELEIKO

Visit Date: 1/31/03

Weather: Rain Snow Sunny (Cloudy) Blizzard Temperature 32°F

Air Monitoring Equipment Unit No. ———

Date Calibrated: ———

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: — cfm

Record CATOX Temperatures: TI: 379 T2: 377 T3: 402

System Sampling

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) **PERFORM WEEKLY**

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No (EMPTY)

Catalytic Oxidation Unit (Each Visit) **PERFORM WEEKLY**

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION

SYSTEM OPERATING UPON ARRIVAL
- KNOCK OUT - EMPTY.
- AIR FILTER - O.K
- BLOWER INSPECTED - O.K.
- SVE PID - 114 ppm.
- SVE VAC - 0.79" W.C.
- SVE FLOW - 22.2 CFM
- STACK PID - 0.0 ppm.
- BLOWER EFFLUENT PRESSURE — 11" W.C.

SYSTEM OPERATING UPON DEPARTURE

Shaw™ Shaw E & I, Inc.

By CG Date 2-5-03 Subject OSER AVE Sheet No. 1 of 1

Chkd. By ✓ Date Proj. No.

.25 in. X .25 in.

- System operating upon arrival

- SUES levels:

Point	Vac $-H_2O$	VOC	Ft³/min Flow	Valve % open
Wellhead	4.5"	62.4	64.1	100%
Blower Influent	45"	58.8	54.7	100%
Blower Effluent	12"+	72.0	66.0	100%
CATOX Effluent	.05"+	13.0	14.8	100%

- Knockout - Empty
- Dilution Valve -
- Particulate Filter -
- Heattrace - ON LINE
- Auto Dilution Valve - 10% open
- CATOX Temp:

T1	T2	T3
380	377	406
380	500	580

-
- Relief Valve slightly open
- System operating properly

108A-6-02

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: A. PANTELEIKO

Visit Date: 02/14/03

Weather: Rain (Snow) Sunny Cloudy Blizzard Temperature 22

Air Monitoring Equipment Unit No. —

Date Calibrated: —

System Check

Perform once a month

Is System running upon arrival? (yes) No

Record Influent flowrate: — cfm

Record CATOX Temperatures: TI: 381 T2: 378 T3: 403

System Sampling

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No) FILTER - O.K

Moisture Separator (Each Visit) **PERFORM WEEKLY**

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No (EMPTY)

Catalytic Oxidation Unit (Each Visit) **PERFORM WEEKLY**

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION

SYSTEM ~~WAS~~ OPERATING UPON ARRIVAL.
- MAIN VAPOR VALVE ADJUSTED TO NORMAL.
- KNOCK OUT - EMPTY
- SYSTEM SAMPLED - O.K.
- SVE VAC - 0.97" W.C.
- SVE PID - 271 ppm.
- SVE FLOW - 24.3 CFM.
- BLOWEFF - 12" W.C.
- STACK PID - 5.2 ppm
- AIR FILTER - O.K.

SYSTEM IS ON UPON DEPARTURE.

Shaw Environmental & Infrastructure, Inc.

101 Colin Drive, Suite 1
Holbrook, NY 11741-4332
631.472.4000
Fax 631.472.4077

Shaw The Shaw Group Inc.™

ATTN: SAUL.

02/14/03

OSER AVE SAMPLING DATA

POINT	TIME.	AVER. FLOW LITER/Min.	TUBE	SAMPLE TIME	AIR. VOLUME (LITERS)	ANALYS. REQUES.
SG1	11.20	0.196	CHARCOAL	6min	1.18	PCE
SG4	10.00	0.196	CHARCOAL	6min	1.18	PCE
WELL HEAD	11.40	0.196	CHARCOAL	6min	1.18	PCE
BLOWER EFFLUENT	12.50	0.193	CHARCOAL	6min	1.16	PCE
BLOWER INFLUENT	12.10	0.196	CHARCOAL	6min	1.18	PCE
STACK EFFLUENT	13.30	0.193	CHARCOAL	6min	1.16	PCE
FIELD BLANC	13.55	0.196.	CHARCOAL	6min	1.18	PCE
STACK EFFLUENT	14.30	0.192	SILICA	15min	2.88	HCL
FIELD BLANC.	15.00	0.192	SILICA.	15min.	2.88	HCL

Adirondack Environmental Services, Inc.®
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
ADDRESS	PO NUMBER	SAMPLERS' (Signatures)

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
	SG4	02/14/05	10.00 A/P	CHARCOAL TUBE	1	6	1.18	
	SG1		11.20 A/P		1	6	1.18	
	WELLHEAD		11.40 A/P		1	6	1.18	
	BLOWEREFFLUENT		12.10 A/P		1	6	1.18	
	BLOWEREFFLUENT		12.50 A/P		1	6	1.16	
	CATOXEFFLUENT		13.30 A/P		1	6	1.16	
	FIELDBLANK		13.55 A/P		1	6	1.18	
	CATOXEFFLUENT		14.30 A/P	SILICA TUBE	1	15	2.88	
	FIELDBLANK	↓	15.00 A/P	↓ ↓	1	15	2.88	
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					

SEND REPORT TO	SEND INVOICE TO

Samples received in good condition: ___Y ___N
Samples collected on proper media: ___Y ___N
Comments: _____

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

- ☐ *STANDARD SERVICE
- ☐ *RUSH SERVICE — Results requested by: _____
- ☐ FAX RESULTS TO: _____ FAX # ( ) -
- ☐ PHONE RESULTS TO: _____ PH # ( ) -

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION.

Tech Name: B. FRITZ

Visit Date: 2-20-03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 40°

Air Monitoring Equipment Unit No. Photo VAC 2020

Date Calibrated: 11-20-02

18" OF SNOW IN DRIVEWAY AND PARKING LOT, NEITHER HAVE BEEN PLOWED. DRIFTS IN FRONT OF BOTH GATES. SHOVELED SNOW AWAY FROM BOTH GATES TO ACCESS SYSTEM. SVE 1 WELL HEAD UNDER SNOW, UNCOVERED PIPING TO ACCESS POINT

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: 41.1 cfm

Record CATOX Temperatures: TI: 382 T2: 374 T3: 400

System Sampling

NA NO SAMPLING THIS VISIT

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No HEAT TRACE checks OK, operating.

SVE 1 – VAC – 1.08"
Flow – 25.8
PID – 259 PPM

EFFLUENT STACK – 3.6 PPM
Blower effluent PID – 82.6 PPM
Blower effluent Flow – 50.5 CFM
Blower effluent PSI – 1.0 PSI
dilution VALVE – 50%
System operating upon departure.

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: B. Fritz

Visit Date: 2-27-03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 30°

Most of snow in parking lot and in front of system gate has melted.

Air Monitoring Equipment Unit No. PhotoVac 2020

Date Calibrated: 11-20-02

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: 35.8 cfm

Record CATOX Temperatures: TI: 380 T2: 378 T3: 404

System Sampling

NO SAMPLING THIS VISIT

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes No

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No) OK

Moisture Separator (Each Visit) **PERFORM WEEKLY**

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY HEAT TRACE ON CHECKS OK

Catalytic Oxidation Unit (Each Visit) **PERFORM WEEKLY**

Check Stack for corrosion (each Visit): (Yes) No

SVE1 — VAC - 2.15" wc
Flow - 41.6 CFM
PID - 306 PPM

EFFLUENT STACK — PID - 6.7 PPM
BLOWER EFFLUENT - PID - 131 PPM
BLOWER EFFLUENT - FLOW - 71.0 CFM
BLOWER EFFLUENT - PSI — 5.5 PSI
DILUTION VALVE - 50%
BLOWER INFLUENT AFTER KNOCKOUT - PID - 299 PPM
SYSTEM OPERATING UPON DEPARTURE.

Shaw™ Shaw E & I, Inc.

By CG Date 3-7-03 Subject O'SER AVE Sheet No. ____ of ____

Chkd. By ____ Date ____ O&M ON System Proj. No. HEAVY SNOW ONSITE

.25 in. X .25 in.

- SYSTEM OPERATING UPON ARRIVAL - CATOX OK
- BEGIN TO COLLECT LEVELS

POINT	H_2O VAC	PPM VOC	FT^3/MIN FLOW	VALVE %
VP-1	3"	134	33.4	100%
BLOWER INF	50"	86 ~~134~~	N/A	100%
BLOWER EFF	9"+	120	54.0	100%
CATOX EFF	.01"+	3.9	.0215	100%

- KNOCK OUT - EMPTY
- DILUTION VALVE - 10% open
- PARTICULATE FILTER - CHECK OK
- HEAT TRACE - ON

- CATOX TEMPERATURES:

- HIGH ALARM TEMP - 600°
- LOW ALARM TEMP - -300°

	T1	T2	T3
PROCESS	380	376	402
SET POINT	380	500	580

- AIR RELIEF VALVE SLIGHTLY OPENING - OK
- SITE SECURE : CHECKS OK
- SYSTEM OPERATING UPON ARRIVAL

108A-6-02

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION.

Tech Name: B FRITZ

Visit Date: 3-13-03

Weather: Rain Snow Sunny (Cloudy) Blizzard Temperature 40°

Air Monitoring Equipment Unit No. PhoToVac 2020

Date Calibrated: 1-03

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: 32.3 cfm

Record CATOX Temperatures: TI: 381 T2: 376 T3: 402

System Sampling

NO SAMPLING THIS VISIT

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No Empty Heat trace ON

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No

SVE-1 inf - 379 PPM
VAC - 2.2 "wc
Flow - 36.0 FT/min
Blower Influent After Knockout - 289 ppm
Effluent STACK - 8.8 PPM
dilution Valve - 50%
Blower Effluent PSI - 5.5 "wc
Blower Effluent Flow - 55.5 FT/min
Blower Effluent PID - 142 PPM
Blower Influent VAC - 50.0 "wc

System Operating upon departure

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION.

Tech Name: B. FRITZ / C. SLAUGHTER

Visit Date: 3-19-03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 46°

Air Monitoring Equipment Unit No. PhotoVac 2020

Date Calibrated: ~~4-20~~

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: 36.4 cfm

Record CATOX Temperatures: TI: 381 T2: 378 T3: 403

System Sampling

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

SAMPLES COLLECTED ON SVE WELLHEAD
SG-4
SG-1
BLOWER INFLUENT
BLOWER EFFLUENT
CATOX EFFLUENT
2 FIELD BLANKS

CATOX + FIELD BLANK FOR HCL SILICA TUBE

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No bolts ok

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) **PERFORM WEEKLY**

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY HEAT TRACE ON

Catalytic Oxidation Unit (Each Visit) **PERFORM WEEKLY**

Check Stack for corrosion (each Visit): (Yes) No

SVE 1 — PID - 435 PPM
— FLOW - 43.0 FT³/MIN
TEMP - 56.3°F
VAC - 2.7" WC

SYSTEM INFLUENT AFTER KNOCKOUT — PID - 284 PPM
— FLOW - 36.4
— 5" WC ~~VAC~~

SYSTEM EFFLUENT - PID - 15.2 PPM

BLOWER EFFLUENT - PID - 209 PPM
FLOW - 75.5 FT³/MIN

SYSTEM OPERATING UPON DEPARTURE

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: B. FRITZ

Visit Date: 3-25-03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 42°

Air Monitoring Equipment Unit No. PHOTOVAC 2020

Date Calibrated: 11-02

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: 32.5 cfm

Record CATOX Temperatures: TI: 380 T2: 375 T3: 403

System Sampling

Perform once a month

Sample Influent: charcoal tubes AIR SAMPLES COLLECTED LAST VISIT Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY HOAT TRACE OPERATING

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No NO CORROSION

SVE-1 PID – 470 PPM
Flow – 32.5 FT³/min
VAC – 1.88" wc

4 Levels:
Blower Effluent – 295 PPM
Blower Inf. After Knockout – 452 PPM
STACK EFFLUENT – 24.4 PPM

Low: After Knockout – 48.7 FT³/min
Blower Effluent – 64.6 FT³/min

Si: Blower Effluent –

IAL: Blower Influent – 8" wc
dilution Valve – 50%

System Operating Upon departure

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: B. Fritz J.H. / J.P.

Visit Date: 4-2-03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 45°

Air Monitoring Equipment Unit No. Photovac 2020

Date Calibrated:

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: 59.0 cfm

Record CATOX Temperatures: T1: 380 T2: 781 T3: 406

System Sampling

Perform once a month NA NO SAMPLING THIS VISIT

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No Empty

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No

SVE 1 PID — 638 PPM
Flow — 59.0 Ft³/Min
VAC — 4.84" wc

Dilution Valve — 80% open
Opened slightly because higher level on stack.

Flow Before Blower 75.3 Ft³/min

Flow Blower Effluent 101 Ft³/min

Blower Influent 14" WC

PID:
Blower Influent: 674 ppm
Blower Effluent: 390 ppm
Stack: 96.8 ppm

System operating upon departure

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: B. FRITZ

Visit Date: 4-9-03

Weather: (Rain) Snow Sunny Cloudy Blizzard Temperature RAINY, COLD 36°

Air Monitoring Equipment Unit No. Photovac 2020

Date Calibrated: 11-02

System Check

Perform once a month

Is System running upon arrival? (Yes) No

Record Influent flowrate: 63.5 cfm

Record CATOX Temperatures: T1: 368 T2: 375 T3: 400

System Sampling

Perform once a month

NO AIR SAMPLING THIS VISIT

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No) OK

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No) HEAT TRACE OPERATING OK

Empty moisture separator: (Yes) No APPROX .5 GAL DRAINED

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No

SVE 1 Levels
PID — 571 PPM
Flow — 63.5 Ft³/min
VAC — 7.61 "wc

VACUUM:
Blower INFLUENT — 14" wc

PSI:
Blower EFFLUENT — 2.0

PID Levels — Blower INFLUENT AFTER KNOCKOUT — 350 PPM
Blower EFFLUENT — 225 PPM
STACK EFFLUENT — 19.5 PPM

dilution VALVE — 75%

System operating upon departure

FLOW:
Blower INFLUENT AFTER KNOCKOUT — 57.0 Ft³/min
Blower EFFLUENT — 89.0 Ft³/min

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: S Ash

Visit Date: 4/16/03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature

Air Monitoring Equipment Unit No. Photovac 2020

Date Calibrated: 4/16/03

System Check

Perform once a month

Is System running upon arrival? Yes (No)

Record Influent flowrate: 73 cfm

Record CATOX Temperatures: TI: 281 T2: 297 T3: 321

System Sampling N/A

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: Yes (No) bolts ok

Check air filter and replace if necessary: Yes (No) Replace: Yes No

Moisture Separator (Each Visit) **PERFORM WEEKLY**

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: Yes No separator empty

Catalytic Oxidation Unit (Each Visit) **PERFORM WEEKLY**

Check Stack for corrosion (each Visit): ~~Yes~~ (No corrosion visible)

System down upon arrival. Normal ~~start~~ start-up procedure followed - still will not start. Called Falmouth - they indicated readings indicate a deprogrammed T2 controller. Spent 30 minutes on phone with Falmouth reprogramming. System then started.

SCE well = 0.4 ppm - (vapors almost non-detect (background levels)

well flow = 73 cfm

Blower vacuum = 13.5" w.c.

Dilution Valve = 80% closed

100 Oser Avenue Site Visit Form

Tech Name: B. FRITZ

Visit Date: 4-25-03

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION.

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 55°

Met Marc Lewis with HiRANI on site

Air Monitoring Equipment Unit No. Photo Vac 2020

Date Calibrated: 11-02

System Check

Perform once a month

Is System running upon arrival? (Yes) No.

Record Influent flowrate: 108.5 cfm

Record CATOX Temperatures: T1: 260 T2: 285 T3: 298

System Sampling

Perform once a month

Sample Influent: charcoal tubes — Measure once per month using a PID and Flow Meter

Sample Effluent: charcoal and silica tubes — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: 6 locations charcoal — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No)

Inspect and tighten loose belts: Yes No belts ok

Check air filter and replace if necessary: Yes No Replace: Yes No

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No EMPTY

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No

Upon arrival stack effluent PID was 110 ppm. Vapor valve closed to about 5/10% open to lower stack PID levels. After system ran for 1 hour levels decreased to 12.5 ppm on stack effluent and T1: 364, T2: 376, T3: 401. Each increased.

System operating upon departure.

Sue I

PID — 536 PPM

VAC — 9.60 "wc

Flow: Blower influent after knockout — 92.0 ft³/min

Blower effluent — 108 ft³/min

PID: Blower influent after knockout — 522 ppm

Blower effluent — 386 ppm

Stack effluent — 103 ppm

VAC: Blower influent — 15" wc

PSF - Blower effluent — 0.7 psf

dilution valve — 1020% open

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	NYSEG 100 OSBORNE AVE	BRENT FRITZ
ADDRESS 13 BRITISH AMERICA LATHAM NY 12110	PO NUMBER	SAMPLERS' (Signatures) Brent Fritz

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED	AV
	FSG-4	4-25-03	10:36 A/P	CHARCOAL	1	6	1.27	PCE by NIOSH 7903	.2
	FSG-05		10:51 A/P		1	6	1.27		.2
	FSG-06		11:03 A/P		1	5	1.07		.2
	FSG-1		11:16 A/P		1	5	1.08		.21
	FSG-2		11:32 A/P		1	6	1.29		.2
	FSG-3		12:08 A/P		1	5	1.07		.2
	SG-4		13:38 A/P		1	5	1.05		.2
	SG-01		13:52 A/P		1	6	1.26		.21
	SVE Well Head		14:05 A/P		1	5	1.03		.2
	Blower Influent		14:20 A/P		1	6	1.29		.2
	Blower Effluent		14:35 A/P		1	6	1.35		.2
	CatOx Effluent		14:53 A/P		1	5	1.00		.2
	Field Blank		15:41 A/P		1	5	1.08	✓	.2
			A/P						

SEND REPORT TO	SEND INVOICE TO	COMMENTS
Heidi Audek	→ SAME	

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

- ☑ STANDARD SERVICE
- ☐ *RUSH SERVICE — Results requested by: _____
- ☐ FAX RESULTS TO: _____ FAX # (___) ___-____
- ☐ PHONE RESULTS TO: _____ PH # (___) ___-____

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature) Brent Fritz	RECEIVED BY (Signature)	DATE	TIME

WHITE — Lab Copy YELLOW — Copy 2 PINK — Copy 3

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	NYSDOC 103 OSER AVE	BRENT FRITZ
ADDRESS 13 BRITISH AM CATHAM, NY 12110	PO NUMBER	SAMPLERS' (Signatures) Brent Fritz

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
	CATOX Effluent	4/25/03	15:08 A/P	SILICA	1	15	3.03	HCL by NIOSH 1003
	Field Blank	↓	15:30 A/P	SILICA	1	15	3.27	↓
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					

SEND REPORT TO	SEND INVOICE TO	COMMENTS
Heidi Durek	SAME	

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

- ☒ STANDARD SERVICE
- ☐ *RUSH SERVICE — Results requested by: _____
- ☐ FAX RESULTS TO: _____ FAX # (___) -
- ☐ PHONE RESULTS TO: _____ PH # (___) -

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature) Brent Fritz	RECEIVED BY (Signature)	DATE	TIME

Two Worlds Fair Drive, Suite 105
Somerset, New Jersey 08873
Telephone: (732) 564-0164 Fax: (732) 564-0167

HIRANI Consulting, Inc.
A Subsidiary of Hirani Engineering & Land Surveying, P.C.

Fax

To:	Heidi Dudek	**From:**	Marc lewis
Fax:	518-783-8397	**Pages:**	2 incl. cover
Phone:	518-783-1996	**Date:**	5/12/03
Re:	Oser Ave. Site	**CC:**	

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Heidi,

Attached is the Oser Avenue Site Visit Form for 5/8/03.

Please Note the Following:

- I made adjustments to the diversion, dilution and main flow valve settings.
- During the course of making adjustments, the system shut-down due to a drop in T1 temperature. I spoke to Charles Cleary and got it running again.
- I decreased the flow from the well head down to 5 CFM, which increased the concentration from the well head to 943 ppm.
- Concentration into the CATOX can't be measured accurately, because the sample port out of the blower is upstream from the recirculation air inlet. To get an accurate concentration into the CATOX, another sample port should be installed (there is a plugged hole where a port can be installed).
- Charles Cleary sent me a table allowing me to use the orifice meter to calculate scfm into the CATOX. Thus the basis of my calculation of air flow into the CATOX unit was the pressure drop across the orifice meter, as indicated by the externally mounted magnahelic guage.

If you have any questions or concerns, please feel free to call.

Regards,
Marc Lewis
Office: (732)-564-0164
Cell: (609)-209-7221

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: MARC LEWIS

Visit Date: 5/8/03

Weather: (Rain) Snow Sunny Cloudy Blizzard [Temperature] 58°F

Air Monitoring Equipment Unit No. MINIRAE 2000 11.7 eV

Date Calibrated: 5/7/03 Calibration Method: METHANE GAS + TEDLAR BAG

System Check

Perform once a Week

Is System running upon arrival? (Yes) No — BUT SHUT DOWN WHILE ON-SITE AFTER ADJUSTMENTS

Record Influent flowrate: 5.2 cfm

Record CATOX Temperatures: TI: 380 T2: 376 T3: 410 °F

(READINGS TAKEN AFTER IT WAS STARTED UP + RUNNING FOR APPROX. 1.5 HRS)

System Sampling NA

Perform once a month

Sample Influent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Effluent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: _____ Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No) dilution to be hooked up at later date

Inspect and tighten loose belts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) **PERFORM WEEKLY**

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: Yes (No) — NO NEEDED 1/2 gallon of water in the separator

Catalytic Oxidation Unit (Each Visit) **PERFORM WEEKLY**

Check Stack for corrosion (each Visit): (Yes) No ~~minor discoloration at the top of the stack grayish yellow~~

SVE 1 — 5.2 CFM, 943 PPM, 0" WC

Blower Influent after Knockout — 5.8 CFM, 968 PPM

Blower Effluent — 108 CFM, 85 PPM, 5" WC (psi guage = 1/4 psi)

CATOX Exhaust — 44 CFM (3" WC on orifice meter), 33 PPM

NOTES - I MADE ADJUSTMENTS

* DILUTION VALVE IS OPEN 2 FULL TURNS
* MAIN VALVE IS OPEN 1/2 TURN
* DIVERSION VALVE IS OPEN 2 FULL TURNS
* UPON ARRIVAL MAIN VALVE WAS INITIALLY 2 FULL TURNS OPEN + DIVERSION VALVE WAS FULLY CLOSED

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: MARC LEWIS

Visit Date: 5/17/03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 74°F

Air Monitoring Equipment Unit No. MINI RAE 2000 11.7eV

Date Calibrated: 5/17/03 Calibration Method: FIELD TEDLAR BAG

System Check

Perform once a Week

Is System running upon arrival? (Yes) No

Record Influent flowrate: 7.3 cfm

Record CATOX Temperatures: T1: 381 T2: 374 T3: 408

System Sampling NA

Perform once a month

Sample Influent: ____ see below — Measure once per month using a PID and Flow Meter

Sample Effluent: ____ see below — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: ____ — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No) dilution to be hooked up at later date

Inspect and tighten loose belts: Yes (No) (belts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: Yes (No) NO LIQUID ~~1/2 gallon of water in the separator~~

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each visit): (Yes) No ~~minor discoloration at the top of the stack greyish yellow~~

SVE 2 472 ppm
7.3 cfm
< 1" WC

KNOCKOUT ~~760~~ 319 ppm
7.5 cfm

RECIRC. VALVE 129 ppm
102 cfm

INTO CATOX 135 ppm
36 cfm (2" ~~WC~~ WC ON ORIFICE METER)

OUT OF CATOX 47 ppm

NOTES:
ADJUSTMENT MADE TO DILUTION VALVE TO DECREASE FLOW INTO CATOX TO < 40
DILUTION VALVE = 3/4 OF 1 TURN OPEN
RECIRC. VALVE = 2 FULL TURNS OPEN
READING INTO CATOX TAKEN FROM POINT JUST BEFORE ENTERING CATOX ~ NEW SAMPLE POINT

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: MARC LEWIS

Visit Date: 5/21/03

Weather: Rain Snow Sunny (Cloudy) Blizzard Temperature 66°F

Air Monitoring Equipment Unit No. MINI RAE 2000

Date Calibrated: 5/21/03 Calibration Method: FILL -ZERO AIR

System Check

Perform once a Week

Is System running upon arrival? (Yes) No

Record Influent flowrate: 3.6 cfm

Record CATOX Temperatures: T1: 381 T2: 369 T3: 402

System Sampling NA

Perform once a month

Sample Influent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Effluent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: _____ Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No) ~~dilution to be looked up at later date~~

Inspect and tighten loose belts: Yes No (belts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: Yes (No) NO LIQUID ~~1/2 gallon of water in the separator~~

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No ~~minor discoloration at the top of the stack grayish yellow~~

BUILT 402 PPM 21" WC
3.6 CFM

KNOCKOUT ~~[illegible]~~ 329 PPM
4.9 CFM

METAL VALVE 94 PPM
97 CFM
0

INTO CATOX 56 PPM
36 CFM (BASED ON 2" ON MAGNAHELIC ORIFICE METER)

OUT OF CATOX
27 PPM

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: MARC LEWIS

Visit Date: 5/31/03

Weather: Rain Snow Sunny (Cloudy) Blizzard Temperature 77°F

Air Monitoring Equipment Unit No. MINI RAE 2000

Date Calibrated: 5/31/03 Calibration Method: FIELD - TEDLAR BAG

System Check

Perform once a Week

Is System running upon arrival? (Yes) No

Record Influent flowrate: 49 cfm

Record CATOX Temperatures: T1: 380 T2: 358 T3: 400

System Sampling

Perform once a month

Sample Influent: ______ see below — Measure once per month using a PID and Flow Meter

Sample Effluent: ______ see below — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: NA ______ Measure once per month using a PID

LAB SAMPLES TAKEN

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No) ~~dilution to be hooked up at later date~~

Inspect and tighten loose bolts: Yes No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: Yes (No) NO WATER ~~1/2 gallon of water in the separator~~

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No ~~minor discoloration at the top of the stack grayish yellow~~

SVE 1
446 PPM
4.9 CFM

KNOCKOUT 407 PPM
5.8 CFM

~~ASV~~ RECIRC VALVE 56 PPM
99 CFM

INTO CATOX 52 PPM
36 CFM (2" WC ON ORIFACE METER)

OUT OF CATOX 15 PPM

NOTE * MONTHLY GAS SAMPLES TAKEN + SENT TO ADIRONDACK LABS FOR ANALYSIS

* MEASURED CONCENTRATION OUT OF CATOX VERY LOW. ~~[illegible]~~ WILL COMPARE AGAINST LAB RESULTS WHEN AVAILABLE

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: MARC LEWIS

Visit Date: 6/5/03

Weather: Rain Snow (Sunny) Cloudy Blizzard Temperature 67°F

Air Monitoring Equipment Unit No. MINI RAE 2000

Date Calibrated: 6/5/03 Calibration Method: FIELD - ISOBUTYLENE GAS

System Check

Perform once a Week

Is System running upon arrival? (Yes) No

Record Influent flowrate: 5.3 cfm

Record CATOX Temperatures: T1: 388 T2: 358 T3: 401

System Sampling NA

Perform once a month

Sample Influent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Effluent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: _____ Measure once per month using a PID

System Maintonance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No) dilution to be hooked up at later date

Inspect and tighten loose bolts: Yes No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No ~~1/2 gallon of water in the separator~~ APPROX. 1 GALLON WATER IN SEPARATOR

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No minor discoloration at the top of the stack greyish yellow

SVE 1
5.3 CFM
499 PPM

INTO CATOX
36 CFM (2" WC ON MANOMETER)
56 PPM

K-KNOCKOUT
5.1 CFM
421 PPM

OUT OF CATOX STACK
8 PPM

RECIRC VALVE
96 CFM
59 PPM

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: MARC LEWIS

Visit Date: 6/12/03

Weather: (Rain) Snow Sunny Cloudy Blizzard [Temperature] 77°F

Air Monitoring Equipment Unit No. MINI RAE 2000

Date Calibrated: 6/12/03 Calibration Method: FIELD - TEDLAR BAG

System Check

Perform once a Week

Is System running upon arrival? (Yes) No

Record influent flowrate: 5.5 cfm

Record CATOX Temperatures: T1: 379 T2: 357 T3: 400 °F

System Sampling NA

Perform once a month

Sample Influent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Effluent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: _____ Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No) ~~dilation to be hooked up at later date~~

Inspect and tighten loose belts: (Yes) No ~~bolts ok~~

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No ~~1/2 gallon of water in the separator~~ 1/2 GALLON OF WATER

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No ~~minor discoloration at the top of the stack greyish yellow~~

SVE 1 5.5 CFM
440 PPM

KNOCKOUT 5.0 CFM
460 PPM

DILUTION VALVE 95 CFM
79 PPM

INPUT TO CATOX 36 CFM (2" WC ON ORIFICE METER)
75 PPM

Blank O&M.xls OUTPUT FROM CATOX 10 PPM

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: MARC LEWIS

Visit Date: 6/20/03

Weather: (Rain) Snow Sunny Cloudy Blizzard Temperature 75°F

Air Monitoring Equipment Unit No. MINI RAE 2000

Date Calibrated: 6/20/03 Calibration Method: TEDLAR BAG

System Check

Perform once a Week

Is System running upon arrival? (Yes) No

Record Influent flowrate: 5.8 cfm

Record CATOX Temperatures: T1: 379 T2: 357 T3: 400

System Sampling NA

Perform once a month

Sample Influent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Effluent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: _____ — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No) ~~dilation to be hooked up at later date~~

Inspect and tighten loose bolts: (Yes) No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No ~~1/2 gallon of water in the separator~~ / PINT WATER

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No ~~minor discoloration at the top of the stack greyish yellow~~

SVE 1
5.8 CFM
291 PPM

KNOCKOUT
5.1 CFM
271 PPM

DILUTION VALVE
83 CFM
53 PPM

OUTPUT FROM CATOX
8 PPM

NOTE: ALL PPM READING WERE LOWER THAN USUAL SMALLER DIAM. HOSE USED AS INPUT TO PID (1/8" ← THIS WEEK 1/4" IN PREVIOUS WEEKS)
POSSIBLE IMPACT?: WILL COMPARE TO READINGS

Blank O&M.xls

INPUT TO CATOX
36 CFM (2" WC ON ORIFICE METER)

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: MARC LEWIS

Visit Date: 6/27/03

Weather: Rain Snow Sunny (Cloudy) Blizzard [Temperature] 90°F

Air Monitoring Equipment Unit No. MINI RAE 2000

Date Calibrated: 6/27/03 Calibration Method: TEDLAR BAG

System Check

Perform once a Week

Is System running upon arrival? (Yes) No

Record Influent flowrate: 5.7 cfm

Record CATOX Temperatures: T1: 379 T2: 358 T3: 400

System Sampling

NA

Perform once a month

Sample Influent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Effluent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: _____ — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No) ~~dilution to be hooked up at later date~~

Inspect and tighten loose belts: Yes No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No 2 psig ~~1/2 gallon of water in the separator~~

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No minor discoloration at the top of the stack grayish yellow

SVE1 5.7 cfm
307 PPM

KNOCKOUT 5.9 cfm
294 ppm

DIVISION VALVE 95 cfm
79 PPM

INTO CATOX 36 cfm (2" WC ON ORIFICE METER)
52 PPM

OUT OF CATOX 8 PPM

Two Worlds Fair Drive, Suite 105
Somerset, New Jersey 08873
Telephone: (732) 564-0164 Fax: (732) 564-0167

HIRANI Consulting, Inc.
A Subsidiary of Hirani Engineering & Land Surveying, P.C.

Fax

To:	Heidi Dudek	**From:**	Marc Lewis
Fax:	518-783-8397	**Pages:**	2 incl. cover
Phone:	518-783-1996	**Date:**	7/01/03
Re:	Oser Ave. Site	**CC:**	

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Heidi,

Attached is the Oser Avenue Site Visit Form for **6/30/03**. If you have any questions or concerns, please feel free to call.

On this visit, I noticed a hole in the asphalt near the well. I suspect it was a crack that opened up due to the heat. The hole is approximately 4" long by about 1.5" wide. It is about 6" away from the concrete collar around the well. I couldn't see what it opens up into. On the next visit I will bring a flashlight. For now I covered it fully with a piece of metal and foam that I found onsite so it should be OK. We should discuss how to address/repair on my next visit.

I am out of the office tomorrow and Monday. I will call you next week to discuss. I also sent you copies of the keys to the gate that I neglected to send you earlier.

Regards,
Marc Lewis
Office: (732)-564-0164
Cell: (609)-209-7221

100 Oser Avenue Site Visit Form

USE THIS FORM FOR BOTH THE WEEKLY SITE SYSTEM VISIT AND MONTHLY SYSTEM O&M and SAMPLE COLLECTION

Tech Name: MARC WINIS

Visit Date: 6/30/03

Weather: Rain Snow (Sunny) Cloudy Blizzard [Temperature] 84°F

Air Monitoring Equipment Unit No. MINI RAE 2000

Date Calibrated: 6/30/03 Calibration Method: FIELD - TEDLAR BAG

System Check

Perform once a Week

Is System running upon arrival? (Yes) No

Record Influent flowrate: 6.5 cfm

Record CATOX Temperatures: T1: 380 T2: 357 T3: 399

System Sampling YES

Perform once a month

Sample Influent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Effluent: _____ see below — Measure once per month using a PID and Flow Meter

Sample Building Interior Vapor Points: NO _____ — Measure once per month using a PID

System Maintenance

Blower (Monthly)

Change Oil: Yes (No)

Grease Vent Blower: Yes (No) ~~dilution to be hooked up at later date~~

Inspect and tighten loose belts: Yes No (bolts ok)

Check air filter and replace if necessary: (Yes) No Replace: Yes (No)

Moisture Separator (Each Visit) PERFORM WEEKLY

Inspect moisture separator for cracks: (Yes) No Repair: Yes (No)

Empty moisture separator: (Yes) No ~~1/2 gallon of water in the separator~~ ADD-ITE

Catalytic Oxidation Unit (Each Visit) PERFORM WEEKLY

Check Stack for corrosion (each Visit): (Yes) No ~~minor discoloration at the top of the stack grayish-yellow~~

SVE 1 338 PPM
6.5 CFM

KNOCKOUT 5.5 CFM
327 PPM

~~SAMPLES~~ SAMPLES TAKEN FOR LAB ANALYSIS

DILUTION VALVE 89 CFM
36 PPM

INTO CATOX
2" WC ON GUAGE = 36 CFM
67 PPM

Blank O&M.xls

OUT OF CATOX 10 PPM

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

LABORATORY REPORT

for

Shaw Env. & Infrastructure Inc
13 British American Blvd.
Albany, NY 12110

Attention: Saul Ash

Purchase Order #: 824317

Report date: 12/02/02
Number of samples analyzed: 10
AES Project ID: 021118HA
Invoice #: 249575

ELAP ID#: 10709

AIHA ID#: 100307

Adirondack Environmental Services, Inc.
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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Stack Effluent
AES sample #: 021118HA01 Samples taken by: AP
MATRIX: Air

Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		2.88	liters	CLIENT	11/14/02
Hydrochloric Acid	Niosh-7903	<1.4	mg/m3	SH-IC-I-38	11/26/02

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Stack Effluent
AES sample #: 021118HA02 Samples taken by: AP
MATRIX: Air

Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.152	liters	CLIENT	11/14/02
Perchloroethylene	Niosh-1003	<8.7	mg/m3	TN-GCA-D43	11/20/02

Adirondack Environmental Services, Inc.
Experience is the solution
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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Well Head
AES sample #: 021118HA03 Samples taken by: AP
MATRIX: Air
Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.152	liters	CLIENT	11/14/02
Perchloroethylene	Niosh-1003	182	mg/m3	TN-GCA-D43	11/20/02

Adirondack Environmental Services, Inc.
Experience is the solution
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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Blower Influent
AES sample #: 021118HA04 Samples taken by: AP
MATRIX: Air

Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.152	liters	CLIENT	11/14/02
Perchloroethylene	Niosh-1003	135	mg/m3	TN-GCA-D43	11/20/02

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Blower Effluent
AES sample #: 021118HA05 Samples taken by: AP
MATRIX: Air

Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.152	liters	CLIENT	11/14/02
Perchloroethylene	Niosh-1003	224	mg/m3	TN-GCA-D43	11/20/02

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: SG1
AES sample #: 021118HA06
Samples taken by: AP
MATRIX: Air
Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.152	liters	CLIENT	11/14/02
Perchloroethylene	Niosh-1003	109	mg/m3	TN-GCA-D43	11/20/02

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: SG4
AES sample #: 021118HA07
Samples taken by: AP
MATRIX: Air
Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.152	liters	CLIENT	11/14/02
Perchloroethylene	Niosh-1003	<8.7	mg/m3	TN-GCA-D43	11/20/02

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Field Blank
AES sample #: 021118HA08
Samples taken by: AP
MATRIX: Air
Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		2.88	liters	CLIENT	11/14/02
Hydrochloric Acid	Niosh-7903	<1.4	mg/m3	SH-IC-I-38	11/26/02

Results for Field Blank calculated based on client supplied air volumes at client's request.

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Field Blank
AES sample #: 021118HA09 Samples taken by: AP
MATRIX: Air
Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.152	liters	CLIENT	11/14/02
Perchloroethylene	Niosh-1003	<8.7	mg/m3	TN-GCA-D43	11/20/02

Results for Field Blank calculated based on client supplied air volumes at client's request.

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Detection Limits
AES sample #: 021118HA10 Samples taken by: AP
MATRIX: Air

Date Sampled: 11/14/02
Date sample received: 11/18/02
Location: Oser Avenue
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Perchloroethylene	Niosh-1003	10	ug	TN-GCA-D43	11/20/02
Hydrochloric Acid	Niosh-7903	4	ug	SH-IC-I-38	11/26/02

The sample(s) submitted have been corrected for the blank result as specified in the method.

The results are calculated based on the client supplied air volumes.

The results relate only to the items tested.

APPROVED BY:
Report date: 12/02/02

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc.®

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Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	OSER AVE	ALEX PANTELEIKO
ADDRESS	**PO NUMBER**	**SAMPLERS' (Signatures)**
101-1 COLINDR, HOLBROOK	824317	[signature]

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
HA01	STACK EFFLUENT	11/14/02	2.00 P	SILICA TUBE	1	15	2.88	HCL ~~BY NO SH1003~~
HA02	STACK EFFLUENT	11/14/02	2.30 P	CHARCOAL	1	6	1.152	PCE ~~BY NIOSH 1003~~
HA03	WELLHEAD	11/14/02	3.00 P	CHARCOAL	1	6	1.152	PCE ~~BY NIOSH 1003~~
HA04	BLOWER INFLUENT	11/14/02	3.30 P	CHARCOAL	1	6	1.152	PCE ~~BY NIOSH 1003~~
HA05	BLOWER EFFLUENT	11/14/02	4.00 P	CHARCOAL	1	6	1.152	PCE ~~BY NIOSH 1003~~
HA06	SG1	11/14/02	4.30 P	CHARCOAL	1	6	1.152	PCE ~~BY NIOSH 1003~~
HA07	SG4	11/14/02	5.00 P	CHARCOAL	1	6	1.152	PCE ~~BY NIOSH 1003~~
HA08	FIELD BLANK	11/14/02	5.30 P	SILICA	1	15	2.88	HCL ~~BY NIOSH 1003~~
HA09	FIELD BLANK	11/14/02	6.00 P	CHARCOAL	1	6	1152	PCE ~~BY NIOSH 110~~
			A P					
	021118 HA		A P					
			A P					
			A P					
			A P					

SEND REPORT TO	SEND INVOICE TO
HEIDI DUDEK	HEIDI DUDEK

Samples received in good condition: ___Y ___N
Samples collected on proper media: ___Y ___N
Comments:

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY
☒ *STANDARD SERVICE
☐ *RUSH SERVICE — Results requested by:
☐ FAX RESULTS TO: SAUL ASH FAX # (914) 633-4685
☐ PHONE RESULTS TO: SAUL ASH PH # (914) 633-9348

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME
			[signature]	11/18/02	10:00

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
[signature]			
RELINQUISHED BY (Signature)	**RECEIVED BY (Signature)**	**DATE**	**TIME**

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

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LABORATORY REPORT

for

Shaw Env. & Infrastructure Inc
13 British American Blvd.
Albany, NY 12110

Attention: Heidi Dudek

Report date: 01/07/03
Number of samples analyzed: 10
AES Project ID: 021223HB
Invoice #: 250881

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: SG1
AES sample #: 021223HB01
Samples taken by: A. Panteleiko
MATRIX: Air
Date Sampled: 12/19/02
Date sample received: 12/23/02
Location: 100 Oser Avenue
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.18	liters	CLIENT	12/19/02
Perchloroethylene	Niosh-1003	4410	mg/m3	TN-GCA-D45	01/06/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: SG4
AES sample #: 021223HB02
Samples taken by: A. Panteleiko
MATRIX: Air
Date Sampled: 12/19/02
Date sample received: 12/23/02
Location: 100 Oser Avenue
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.18	liters	CLIENT	12/19/02
Perchloroethylene	Niosh-1003	630	mg/m3	TN-GCA-D45	01/06/03

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CLIENT: Shaw Env. & Infrastructure Inc — Date Sampled: 12/19/02
CLIENT'S SAMPLE ID: Well Head — Date sample received: 12/23/02
AES sample #: 021223HE03 — Samples taken by: A. Panteleiko — Location: 100 Oser Avenue
MATRIX: Air — composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.24	liters	CLIENT	12/19/02
Perchloroethylene	Niosh-1003	472	mg/m3	TN-GCA-D45	01/06/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Blower Effluent
AES sample #: 021223HB04 Samples taken by: A. Panteleiko
MATRIX: Air

Date Sampled: 12/19/02
Date sample received: 12/23/02
Location: 100 Oser Avenue
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.18	liters	CLIENT	12/19/02
Perchloroethylene	Niosh-1003	152	mg/m3	TN-GCA-D45	01/06/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Blower Influent
AES sample #: 021223HE05
Samples taken by: A. Panteleiko
MATRIX: Air
Date Sampled: 12/19/02
Date sample received: 12/23/02
Location: 100 Oser Avenue
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.18	liters	CLIENT	12/19/02
Perchloroethylene	Niosh-1003	523	mg/m3	TN-GCA-D45	01/06/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Stack Effluent
AES sample #: 021223HB06 Samples taken by: A. Panteleiko Location: 100 Oser Avenue
MATRIX: Air composite
Date Sampled: 12/19/02
Date sample received: 12/23/02

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.24	liters	CLIENT	12/19/02
Perchloroethylene	Niosh-1003	8.9	mg/m3	TN-GCA-D45	01/06/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Field Blank
AES sample #: 021223HB07
Samples taken by: A. Panteleiko
MATRIX: Air
Date Sampled: 12/19/02
Date sample received: 12/23/02
Location: 100 Oser Avenue
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.24	liters	CLIENT	12/19/02
Perchloroethylene	Niosh-1003	<8.1	mg/m3	TN-GCA-D45	01/06/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Stack Effluent
AES sample #: 021223HB08
Samples taken by: A. Panteleiko
MATRIX: Air
Date Sampled: 12/19/02
Date sample received: 12/23/02
Location: 100 Oser Avenue
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		3.10	liters	CLIENT	12/19/02
Hydrochloric Acid	Niosh-7903	2.9	mg/m3	SH-IC-I-57	12/27/02

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CLIENT: Shaw Env. & Infrastructure Inc — Date Sampled: 12/19/02
CLIENT'S SAMPLE ID: Field Blank — Date sample received: 12/23/02
AES sample #: 021223HB09 — Samples taken by: A. Panteleiko — Location: 100 Oser Avenue
MATRIX: Air — grab

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume			3.10	liters	CLIENT	12/19/02
Hydrochloric Acid		Niosh-7903	<1.3	mg/m3	SH-IC-I-57	12/27/02

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Detection Limits
AES sample #: 021223HB10
Samples taken by: A. Panteleiko
MATRIX: Air
Date Sampled: 12/19/02
Date sample received: 12/23/02
Location: 100 Oser Avenue
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Hydrochloric Acid	Niosh-7903	4	ug	SH-IC-I-57	12/27/02
Perchloroethylene	Niosh-1003	10	ug	TN-GCA-D45	01/06/03

APPROVED BY: Lara
Report date: 01/07/03

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Albany, New York 12207
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REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
ADDRESS	PO NUMBER	SAMPLERS' (Signatures)

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
1223 HB01			A/P			6		
HB02			A/P			6		
HB03			A/P			6		
HB04			A/P			6		
HB05			A/P			6		
HB06			A/P			6		
HB07			A/P			6		
HB08			A/P			15		
HB09			A/P			15		
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					

SEND REPORT TO	SEND INVOICE TO

Samples received in good condition: ___Y ___N
Samples collected on proper media: ___Y ___N
Comments:_____

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

☒ *STANDARD SERVICE
☐ *RUSH SERVICE — Results requested by: _____
☐ FAX RESULTS TO: _____ FAX # (___)
☐ PHONE RESULTS TO: _____ PH # (___)

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME
				12/23/02	10:17

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature)	**RECEIVED BY (Signature)**	**DATE**	**TIME**

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

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LABORATORY REPORT

for

Shaw Env. & Infrastructure Inc
13 British American Blvd.
Albany, NY 12110

Attention: Drew Graham

Purchase Order #: 824317

Report date: 01/30/03
Number of samples analyzed: 16
AES Project ID: 030120HA
Invoice #: 251495

ELAP ID#: 10709

AIHA ID#: 100307

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: FSG5
AES sample #: 030120HA01
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.14	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	1090	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: FSG4
AES sample #: 030120HA02
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.14	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	290	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: FSG2
AES sample #: 030120HA03
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.14	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	1320	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: FSG6
AES sample #: 030120HA04
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.14	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	1060	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: FSG1
AES sample #: 030120HA05
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.14	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	635	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: FSG3
AES sample #: 030120HA06
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.26	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	2130	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: SG4
AES sample #: 030120HA07
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.26	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	2270	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: SG1
AES sample #: 030120HA08
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.14	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	6290	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Well Head
AES sample #: 030120HA09
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.14	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	402	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Blower Effluent
AES sample #: 030120HA10 Samples taken by: A.P.
MATRIX: Air

Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.14	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	167	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Blower Influent
AES sample #: 030120HA11 Samples taken by: A.P.
MATRIX: Air

Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume			1.14	liters	CLIENT	01/16/03
Perchloroethylene		Niosh-1003	177	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Catox/Stack Effluent
AES sample #: 030120HA12
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.14	liters	CLIENT	01/16/03
Perchloroethylene	Niosh-1003	211	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Field Blank
AES sample #: 030120HA13 Samples taken by: A.P. MATRIX: Air

Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
grab

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume			1.14	liters	CLIENT	01/16/03
Perchloroethylene		Niosh-1003	<8.8	mg/m3	TN-GCA-D45	01/20/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Catox Effluent
AES sample #: 030120HA14
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		2.94	liters	CLIENT	01/16/03
Hydrochloric Acid	Niosh-7903	<1.4	mg/m3	SH-IC-I-75	01/23/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Field Blank
AES sample #: 030120HA15 Samples taken by: A.P.
MATRIX: Air

Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		2.94	liters	CLIENT	01/16/03
Hydrochloric Acid	Niosh-7903	<1.4	mg/m3	SH-IC-I-75	01/23/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Detection Limits
AES sample #: 030120HA16
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 01/16/03
Date sample received: 01/20/03
Location: 100 Oser Ave.
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Hydrochloric Acid	Niosh-7903	4	ug	SH-IC-I-75	01/23/03
Perchloroethylene	Niosh-1003	10	ug	TN-GCA-D45	01/20/03

APPROVED BY:
Report date: 01/30/03

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(1 of 2)

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	100 OSGRAVE	A. PANTELEIKO
ADDRESS 13 BRITISH AMERICAN LATHAM, N.Y 12110	PO NUMBER 824317	SAMPLERS' (Signatures) [signature]

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
0120 HA01	FSG 5	1/16/03	10.30 A	CHARCOAL TUBE	1	6	1.14	PCE BY NIOSH 1003
HA02	FSG 4	↓	10.55 A	↓	1	6	1.14	↓
HA03	FSG 2		11.25 A		1	6	1.14	
HA04	FSG 6		11.50 A		1	6	1.14	
HA05	FSG 1		12.10 A		1	6	1.14	
HA06	FSG 3		12.35 A		1	6	1.26	
HA07	SG 4		1.10 P		1	6	1.26	
HA08	SG 1		1.40 P		1	6	1.14	
HA09	WELLHEAD		2.10 P		1	6	1.14	
HA10	BLOWER EFFLUENT		2.25 P		1	6	1.14	
HA11	BLOWER INFLUENT		3.00 P		1	6	1.14	
HA12	~~CATOX~~ (Stack) EFFLUEN		3.15 P		1	6	1.14	
HA13	FIELD BLANK	↓	4.00 P	↓	1	6	1.14	↓
			A P					

SEND REPORT TO	SEND INVOICE TO
~~[illegible]~~ DREW GRAHAM	~~[illegible]~~ DREW GRAHAM.

Samples received in good condition: ___Y ___N
Samples collected on proper media: ___Y ___N
Comments: → per tube rec'd

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

☒ *STANDARD SERVICE
☐ *RUSH SERVICE — Results requested by: ______
☐ FAX RESULTS TO: ______ FAX # ( )
☐ PHONE RESULTS TO: ______ PH # ( )

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME
			ML [signature]	1/20/03	915

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
[signature]			
RELINQUISHED BY (Signature)	**RECEIVED BY (Signature)**	**DATE**	**TIME**

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

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(2d2)

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	100 OSER AVE	A. PANTELEIKO
ADDRESS 13 BRITISH AMERICA AVE. LATHAM, N.Y 12110	PO NUMBER 824317	SAMPLERS' (Signatures)

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
HA14	CATOX EFFLUENT	1/16/03	4:30 (P)	SILICA TUBE	1	15	2.940	NIOSH 7903
HA15	FIELD BLANK.	1/16/03	5.00 (P)	SILICA TUBE	1	15	2.940.	NIOSH 7903
			A P					
	030120 HA		A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

SEND REPORT TO	SEND INVOICE TO
DREW GRAHAM	DREW GRAHAM

Samples received in good condition: ___Y ___N
Samples collected on proper media: ___Y ___N
Comments: _____

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

☒ *STANDARD SERVICE
☐ *RUSH SERVICE — Results requested by: _____
☐ FAX RESULTS TO: _____ FAX # ( )
☐ PHONE RESULTS TO: _____ PH # ( )

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	
			M L	1/20/03	7 —

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature)	**RECEIVED BY (Signature)**	**DATE**	**TIME**

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

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LABORATORY REPORT

for

Shaw Env. & Infrastructure Inc
13 British American Blvd.
Albany, NY 12110

Attention: Drew Graham

Purchase Order #: 208546 OP

Report date: 03/03/03
Number of samples analyzed: 10
AES Project ID: 030219HA
Invoice #: 251864

ELAP ID#: 10709

AIHA ID#: 100307

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: SG4
AES sample #: 030219HA01 Samples taken by: A.P.
MATRIX: Air

Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.18	liters	CLIENT	02/19/03
Perchloroethylene	Niosh-1003	2620	mg/m3	TN-GCA-D47	02/19/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: SG1
AES sample #: 030219HA02
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave. composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.18	liters	CLIENT	02/19/03
Perchloroethylene	Niosh-1003	7890	mg/m3	TN-GCA-D47	02/19/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Well Head
AES sample #: 030219HA03
Samples taken by: A.P.
MATRIX: Air
Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave. composite

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume			1.18	liters	CLIENT	02/19/03
Perchloroethylene		Niosh-1003	481	mg/m3	TN-GCA-D47	02/19/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Blower Influent
AES sample #: 030219HA04 Samples taken by: A.P.
MATRIX: Air

Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.18	liters	CLIENT	02/19/03
Perchloroethylene	Niosh-1003	<8.5	mg/m3	TN-GCA-D47	02/19/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Blower Effluent
AES sample #: 030219HA05 Samples taken by: A.P.
MATRIX: Air

Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave.
composite

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume			1.16	liters	CLIENT	02/19/03
Perchloroethylene		Niosh-1003	334	mg/m3	TN-GCA-D47	02/19/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Catox Effluent
AES sample #: 030219HA06 Samples taken by: A.P. MATRIX: Air
Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave. composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		1.16	liters	CLIENT	02/19/03
Perchloroethylene	Niosh-1003	24	mg/m3	TN-GCA-D47	02/19/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Field Blank
AES sample #: 030219HA07 Samples taken by: A.P.
MATRIX: Air

Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave.
grab

PARAMETER	PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume			1.18	liters	CLIENT	02/19/03
Perchloroethylene		Niosh-1003	<8.5	mg/m3	TN-GCA-D47	02/19/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Catox Effluent
AES sample #: 030219HA08 Samples taken by: A.P.
MATRIX: Air

Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave.
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		2.88	liters	CLIENT	02/19/03
Hydrochloric Acid	Niosh-7903	2.2	mg/m3	SH-IC-I-94	02/27/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Field Blank
AES sample #: 030219HA09 Samples taken by: A.P.
MATRIX: Air

Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave.
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Air Volume		2.88	liters	CLIENT	02/19/03
Hydrochloric Acid	Niosh-7903	<1.4	mg/m3	SH-IC-I-94	02/27/03

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CLIENT: Shaw Env. & Infrastructure Inc
CLIENT'S SAMPLE ID: Detection Limits
AES sample #: 030219HA10 Samples taken by: A.P. MATRIX: Air

Date Sampled: 02/14/03
Date sample received: 02/19/03
Location: Oser Ave. grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Perchloroethylene	Niosh-1003	10	ug	TN-GCA-D47	02/19/03
Hydrochloric Acid	Niosh-7903	4	ug	SH-IC-I-94	02/27/03

APPROVED BY:
Report date: 03/03/03

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314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
[illegible]	[illegible]	[illegible]
ADDRESS	**PO NUMBER**	**SAMPLERS' (Signatures)**
	21317	

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
0219 HA01	SG4	02/14/03	10.00 (A) P	CHARCOAL TUBE	1	6	1.18	Perchloro - 1003
HA02	SG1		11.20 (A) P		1	6	1.18	
HA03	WELLHEAD		11.40 (A) P		1	6	1.18	
HA04	BLOWER INFLUENT		12.10 A (P)		1	6	1.18	
HA05	BLOWER EFFLUENT		12.50 A (P)		1	6	1.16	
HA06	CATOX EFFLUENT		13.30 A (P)		1	6	1.16	
HA07	FIELD BLANK		13.55 A (P)		1	6	1.18	
HA08	CATOX EFFLUENT		14.30 A (P)	SICICH TUB	1	15	2.88	Hydroch - 7903
HA09	FIELD BLANK		15.00 A (P)		1	15	2.88	
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

SEND REPORT TO	SEND INVOICE TO
	[illegible]

Samples received in good condition: ___Y ___N
Samples collected on proper media: ___Y ___N
Comments:

per Silica Tube
"STACK EFFLUENT" is the same as "CATOX EFFLUENT" per Drew Graham phone call 2/19/03 9:43 AM (MSK)

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

- ☑ *STANDARD SERVICE
- ☐ *RUSH SERVICE — Results requested by: _____
- ☐ FAX RESULTS TO: _____ FAX # ( ) -
- ☐ PHONE RESULTS TO: _____ PH # ( ) -

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME
			M	2/19/03	922

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
		[illegible]	
RELINQUISHED BY (Signature)	**RECEIVED BY (Signature)**	**DATE**	**TIME**

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

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April 03, 2003

Heidi Dudek
Shaw Environmental & Infrastructure
13 British American Boulevard
Latham, NY 12110

TEL: ( ) 783-1996
FAX:

RE: Order No.: 030321017

Dear Heidi Dudek:

Adirondack Environmental Services, Inc received 8 samples on 3/20/2003 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Tara Daniels
Laboratory Manager

Analytical Results
for
Shaw Environmental & Infrastructure
WorkOrder: 030321017
Client Reference:

Analyte	Concentration (ug)	Concentration (mg/m^3)	Concentration (ppm)	Limit of Detection (ug)	Qual	Test Method	Date Analyzed /Analyst	
Client ID: SVE Well Head	**Lab ID:** 001A	**Date Sampled:** 3/19/2003			**Media:** Charcoal		**Air Vol.(L):** 1.06	
Tetrachloroethene	1800	1700	--	10		NIOSH 1003	03/21/2003	TN
Client ID: SG-4	**Lab ID:** 002A	**Date Sampled:** 3/19/2003			**Media:** Charcoal		**Air Vol.(L):** 1.08	
Tetrachloroethene	1000	929	--	10		NIOSH 1003	03/21/2003	TN
Client ID: SG-1	**Lab ID:** 003A	**Date Sampled:** 3/19/2003			**Media:** Charcoal		**Air Vol.(L):** 1.07	
Tetrachloroethene	2860	2670	--	10		NIOSH 1003	03/21/2003	TN
Client ID: Blower Influent	**Lab ID:** 004A	**Date Sampled:** 3/19/2003			**Media:** Charcoal		**Air Vol.(L):** 1.06	
Tetrachloroethene	1110	1050	--	10		NIOSH 1003	03/21/2003	TN
Client ID: Blower Effluent	**Lab ID:** 005A	**Date Sampled:** 3/19/2003			**Media:** Charcoal		**Air Vol.(L):** 1.08	
Tetrachloroethene	615	569	--	10		NIOSH 1003	03/21/2003	TN
Client ID: Catox Effluent	**Lab ID:** 006A	**Date Sampled:** 3/19/2003			**Media:** Charcoal		**Air Vol.(L):** 3.19	
Hydrochloric Acid	<4.1	<1.3	--	4.1		NIOSH 7903	03/31/2003	SH
Client ID: Field Blank	**Lab ID:** 007A	**Date Sampled:** 3/19/2003			**Media:** Charcoal		**Air Vol.(L):** 1.61	
Tetrachloroethene	30.0	18.6	--	10		NIOSH 1003	03/21/2003	TN
Client ID: Field Blank	**Lab ID:** 008A	**Date Sampled:** 3/19/2003			**Media:** Charcoal		**Air Vol.(L):** 3.21	
Hydrochloric Acid	<4.1	<1.3	--	4.1		NIOSH 7903	03/31/2003	SH

(a) Analysis indicates possible breakthrough; back section result is greater than % of the front section result.

General Notes:
<: Less than the indicated limit of detection (LOD).
--: Information not available or not applicable.
Back sections were checked and showed no significant breakthrough.

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Albany, New York 12207
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REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	100 OSER AVE	BRENT FRITZ
ADDRESS 13 BRITISH AMERICA CATHAM NY 12110	PO NUMBER	SAMPLERS' (Signatures) Brent Fritz

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
001	SVE WELL HEAD	3-19-03	3:07 A/P	CHARCOAL	1	9:12 5 MIN	1.0	PCE NIOSH 1003
002	SG-4	3-19-03	3:24 A/P	CHARCOAL	1	3:29 5	1.0	PCE NIOSH 1003
003	SG-1	3-19-03	3:34 A/P	CHARCOAL	1	3:39 5	1.0	PCE NIOSH 1003
004	BLOWER INFLUENT	3-19-03	3:46 A/P	CHARCOAL	1	3:51 5	1.0	PCE NIOSH 1003
005	BLOWER EFFLUENT	3-19-03	3:55 A/P	CHARCOAL	1	4:00 5	1.0	PCE NIOSH 1003
006	CATOX EFFLUENT	3-19-03	4:06 A/P	SILICA	1	4:12 6	3.18	HCL NIOSH 1003
007	FIELD BLANK	3-1903	4:18 A/P	CHARCOAL	1	4:23 5	1.6	PCE NIOSH 1003
008	FIELD BLANK	3-19-03	4:24 A/P	SILICA	1	4:34 10	3.21	HCL NIOSH 1003
			A/P					
			A/P					
	030321017		A/P					
			A/P					
			A/P					
			A/P					
			A/P					

SEND REPORT TO	SEND INVOICE TO	COMMENTS
Heidi Judelc	SAME	

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

- [X] *STANDARD SERVICE
- [ ] *RUSH SERVICE — Results requested by: _____
- [ ] FAX RESULTS TO: _____ FAX # ( ) -
- [ ] PHONE RESULTS TO: _____ PH # ( ) -

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME
			M L	3/20/03	1036

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature) Brent Fritz	RECEIVED BY (Signature)	DATE 3-19-03	TIME

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal

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TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or non-performance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

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(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

May 13, 2003

Heidi Dudek
Shaw Environmental & Infrastructure
13 British American Boulevard
Latham, NY 12110
TEL: ( ) 783-1996
FAX:

RE: Order No.: 030429012

Dear Heidi Dudek:

Adirondack Environmental Services, Inc received 15 samples on 4/29/2003 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Tara Daniels
Laboratory Manager

Analytical Results
for
Shaw Environmental & Infrastructure
WorkOrder: 030429012
Client Reference:

Analyte	Concentration (ug)	Concentration (mg/m^3)	Concentration (ppm)	Limit of Detection (ug)	Qual	Test Method	Date Analyzed /Analyst	
Client ID: FSG-4	**Lab ID:** 001A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.27	
Tetrachloroethene	52.0	40.9	--	10		Niosh 1003	04/30/2003	TN
Client ID: FSG-5	**Lab ID:** 002A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.27	
Tetrachloroethene	942	742	--	10		Niosh 1003	04/30/2003	TN
Client ID: FSG-6	**Lab ID:** 003A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.07	
Tetrachloroethene	1730	1620	--	10		Niosh 1003	04/30/2003	TN
Client ID: FSG-1	**Lab ID:** 004A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.08	
Tetrachloroethene	255	236	--	10		Niosh 1003	04/30/2003	TN
Client ID: FSG-2	**Lab ID:** 005A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.29	
Tetrachloroethene	437	339	--	10		Niosh 1003	04/30/2003	TN
Client ID: FSG-3	**Lab ID:** 006A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.07	
Tetrachloroethene	3770	3530	--	10		Niosh 1003	04/30/2003	TN
Client ID: SG-4	**Lab ID:** 007A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.05	
Tetrachloroethene	2630	2500	--	10		Niosh 1003	04/30/2003	TN
Client ID: SG-1	**Lab ID:** 008A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.26	
Tetrachloroethene	6450	5120	--	10		Niosh 1003	04/30/2003	TN
Client ID: SVE Well Head	**Lab ID:** 009A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.03	
Tetrachloroethene	1940	1880	--	10		Niosh 1003	04/30/2003	TN
Client ID: Blower Influent	**Lab ID:** 010A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.29	
Tetrachloroethene	1360	1050	--	10		Niosh 1003	04/30/2003	TN
Client ID: Blower Effluent	**Lab ID:** 011A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.35	
Tetrachloroethene	1350	997	--	10		Niosh 1003	04/30/2003	TN
Client ID: Catox Effluent	**Lab ID:** 012A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1	
Tetrachloroethene	64.0	64.0	--	10		Niosh 1003	04/30/2003	TN
Client ID: Field Blank	**Lab ID:** 013A	**Date Sampled:** 4/25/2003			**Media:** Charcoal		**Air Vol.(L):** 1.08	
Tetrachloroethene	34.0	31.5	--	10		Niosh 1003	04/30/2003	TN
Client ID: Catox Effluent	**Lab ID:** 014A	**Date Sampled:** 4/25/2003			**Media:**		**Air Vol.(L):** 3.03	
Hydrochloric Acid	472	156	--	4		Niosh 7903	05/09/2003	SH
Client ID: Field Blank	**Lab ID:** 015A	**Date Sampled:** 4/25/2003			**Media:**		**Air Vol.(L):** 3.27	
Hydrochloric Acid	6.80	2.08	--	4		Niosh 7903	05/09/2003	SH

Analytical Results
for
Shaw Environmental & Infrastructure
WorkOrder: 030429012
Client Reference:

Analyte	Concentration			Limit of Detection	Qual	Test Method	Date Analyzed /Analyst
	(ug)	(mg/m^3)	(ppm)	(ug)			

(a) Analysis indicates possible breakthrough; back section result is greater than % of the front section result.

General Notes:
<: Less than the indicated limit of detection (LOD).
--: Information not available or not applicable.
Back sections were checked and showed no significant breakthrough.

Adirondack Environmental Services, Inc.®

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(1 of 2)

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
Shaw E&I	NYSDEC 100 Oswego Ave	BRENT FRITZ
ADDRESS 13 BRITISH AMERICA LATHAM NY 12110	PO NUMBER	SAMPLERS' (Signatures) Brent Fritz

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED	Ave
001	FSG-4	4-25-03	10:36 A	CHARCOAL	1	6	1.27	PCE by NIOSH 1003	.213
002	FSG-5		10:51 A		1	6	1.27	1003	.213
003	FSG-6		11:05 A		1	5	1.07	↓	.214
004	FSG-1		11:16 A		1	5	1.08		.215
005	FSG-2		11:31 A		1	6	1.29		.215
006	FSG-3		12:08 P		1	5	1.07		.214
007	SG-4		13:38 P		1	5	1.05		.209
008	SG-1		13:52 P		1	6	1.26		.210
009	SVE Well Head		14:05 P		1	5	1.03		.207
010	Blower Influent		14:20 P		1	6	1.29		.216
011	Blower Effluent		14:35 P		1	6	1.35		.225
012	CATOX EFFLUENT*		14:53 A		1	5	1.00		.201
013	Field Blank		15:41 P		1	5	1.08	↓	.216
			A P						

SEND REPORT TO	SEND INVOICE TO	COMMENTS
Heidi Dudek	→ Same	
030429012		* Tube read "Stack Effluent"

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

*STANDARD SERVICE

☐ *RUSH SERVICE — Results requested by: ______

FAX RESULTS TO: ______ FAX # ( )

PHONE RESULTS TO: ______ PH # ( )

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME
			[signature]	4/29/03	10:50

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
Brent Fritz			

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

(202)

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
SHAW E&I	105 OSBORNE AVE	BRENT FRITZ
ADDRESS 13 BRITISH AM. CATHAM, NY 12110	PO NUMBER	SAMPLERS' (Signatures) Brent Fritz

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED	
014	CATH4 Effluent	4/25/03	15:08 A/P	SILICA	1	15	3.03	HCL by NIOSH 7903	.202
015	Field Blank	↓	15:32 A/P	SILICA	1	15	3.27	↓ 7903	.218
			A/P						
			A/P						
	030429012		A/P						
			A/P						
			A/P						
			A/P						
			A/P						
			A/P						
			A/P						
			A/P						
			A/P						
			A/P						
			A/P						

AVE

SEND REPORT TO	SEND INVOICE TO	COMMENTS
Heidi Dudek	SAME	

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

- ☐ *STANDARD SERVICE
- ☐ *RUSH SERVICE — Results requested by: _____
- FAX RESULTS TO: _____ FAX # (___)
- PHONE RESULTS TO: _____ PH # (___)

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME
			ML	4/29/03	1050

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature) Brent Fritz	RECEIVED BY (Signature)	DATE	TIME

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

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TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or non-performance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

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June 18, 2003

Marc Lewis
Hirani Consulting, Inc.
Two Worlds Fair Drive, Suite 105
Somerset, NJ 08873
TEL: (732) 564-0164
FAX: (732) 564-0167

RE: Oser Avenue Order No.: 030604019

Dear Marc Lewis:

Adirondack Environmental Services, Inc received 7 samples on 6/4/2003 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Tara Daniels
Laboratory Manager

Analytical Results
for
Hirani Consulting, Inc.
WorkOrder: 030604019
Client Reference: Oser Avenue

Analyte	Concentration (ug)	Concentration (mg/m³)	Concentration (ppm)	Limit of Detection (ug)	Qual	Test Method	Date Analyzed /Analyst
Client ID: K1 effluent Knockout	**Lab ID:** 001A	**Date Sampled:** 5/31/2003			**Media:** Charcoal		**Air Vol.(L):** 1.2
Tetrachloroethene	1210	1010	–	10		Niosh 1003	06/09/2003 TN
Client ID: W1 wellhead	**Lab ID:** 002A	**Date Sampled:** 5/31/2003			**Media:** Charcoal		**Air Vol.(L):** 1.2
Tetrachloroethene	1640	1370	–	10		Niosh 1003	06/09/2003 TN
Client ID: C1 into Cyclox	**Lab ID:** 003A	**Date Sampled:** 5/31/2003			**Media:** Charcoal		**Air Vol.(L):** 1.2
Tetrachloroethene	183	152	–	10		Niosh 1003	06/09/2003 TN
Client ID: S1 out of cyl.	**Lab ID:** 004A	**Date Sampled:** 5/31/2003			**Media:** Charcoal		**Air Vol.(L):** 1.2
Tetrachloroethene	11.0	9.17	–	10		Niosh 1003	06/09/2003 TN
Client ID: B1	**Lab ID:** 005A	**Date Sampled:** 5/31/2003			**Media:** Charcoal		**Air Vol.(L):** 1.2
Tetrachloroethene	<10.0	<8.33	–	10		Niosh 1003	06/09/2003 TN
Client ID: S2 out of Cyclox	**Lab ID:** 006A	**Date Sampled:** 5/31/2003			**Media:** Silica Gel		**Air Vol.(L):** 3.18
Hydrochloric Acid	12.9	4.06	–	4		Niosh 7903	06/17/2003 SH
Client ID: B2	**Lab ID:** 007A	**Date Sampled:** 5/31/2003			**Media:** Silica Gel		**Air Vol.(L):** 3.18
Hydrochloric Acid	<4.00	<1.26	–	4		Niosh 7903	06/17/2003 SH

(a) Analysis indicates possible breakthrough; back section result is greater than 0% of the front section result.

General Notes:
<: Less than the indicated limit of detection (LOD).
–: Information not available or not applicable.
Back sections were checked and showed no significant breakthrough.

Adirondack
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
ADDRESS	**PO NUMBER**	**SAMPLERS' (Signatures)**

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

SEND REPORT TO	SEND INVOICE TO	Samples received in good condition: ___Y ___N Samples collected on proper media: ___Y ___N Comments:

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

☑ *STANDARD SERVICE

☐ *RUSH SERVICE — Results requested by: _____

☐ FAX RESULTS TO: _____ FAX # (___)

☐ PHONE RESULTS TO: _____ PH # (___)

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME
				6/27/03	3:25

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature)	**RECEIVED BY (Signature)**	**DATE**	**TIME**

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

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July 18, 2003

Marc Lewis
Hirani Engineering & Land Surveying, P.C.
Two Worlds Fair Drive, Suite 105
Somerset, NJ 08873
TEL: (732) 564-0164
FAX: (732) 564-0167

RE: Oser Avenue Order No.: 030703013

Dear Marc Lewis:

Adirondack Environmental Services, Inc received 7 samples on 7/3/2003 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Tara Daniels
Laboratory Manager

Analytical Results
for
Hirani Engineering & Land Surveying, P.C.

WorkOrder: 030703013
Client Reference: Oser Avenue

Analyte	Concentration (ug)	Concentration (mg/m³)	Concentration (ppm)	Limit of Detection (ug)	Qual	Test Method	Date Analyzed /Analyst
Client ID: K1	**Lab ID: 001A**	**Date Sampled: 6/30/2003**			**Media: Charcoal**		**Air Vol.(L): 1.4**
Tetrachloroethene	1100	783	–	10		Niosh 1003	07/14/2003 TN
Client ID: W1	**Lab ID: 002A**	**Date Sampled: 6/30/2003**			**Media: Charcoal**		**Air Vol.(L): 2.2**
Tetrachloroethene	2140	973	–	10		Niosh 1003	07/14/2003 TN
Client ID: C1	**Lab ID: 003A**	**Date Sampled: 6/30/2003**			**Media: Charcoal**		**Air Vol.(L): 1.4**
Tetrachloroethene	137	97.9	–	10		Niosh 1003	07/14/2003 TN
Client ID: S1	**Lab ID: 004A**	**Date Sampled: 6/30/2003**			**Media: Charcoal**		**Air Vol.(L): 1.4**
Tetrachloroethene	11.0	7.86	–	10		Niosh 1003	07/14/2003 TN
Client ID: B1	**Lab ID: 005A**	**Date Sampled: 6/30/2003**			**Media: Charcoal**		**Air Vol.(L): 1.4**
Tetrachloroethene	<10.0	<7.14	–	10		Niosh 1003	07/14/2003 TN
Client ID: S2	**Lab ID: 006A**	**Date Sampled: 6/30/2003**			**Media: Silica Gel**		**Air Vol.(L): 4.4**
Hydrochloric Acid	72.0	16.4	–	4		Niosh 7903	07/16/2003 SH
Client ID: B2	**Lab ID: 007A**	**Date Sampled: 6/30/2003**			**Media: Silica Gel**		**Air Vol.(L): 3.2**
Hydrochloric Acid	<4.00	<1.25	–	4		Niosh 7903	07/16/2003 SH

General Notes:
<: Less than the indicated limit of detection (LOD).
–: Information not available or not applicable.

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME	PROJECT NAME (Location)	SAMPLERS' (Names)
HIRANI ENGINEERING & LAND SURVEYING	OSER AVE, HAUPPAUGE	MARC LEWIS
ADDRESS	**PO NUMBER**	**SAMPLERS' (Signatures)**
2 WORLDS FAIR DRIVE, SOMERSET NJ 08873		

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	TOTAL SAMPLING TIME (MIN.)	AIR SAMPLE VOLUME (LITERS)	ANALYSIS REQUESTED
001	K2 (KNOCKOUT)	6/30/03	4:05 A/P	GAS	1	7	1.4	TCE
002	W2 (WELL)	6/30/03	4:15 A/P	GAS	1	11	2.2	TCE
003	C2 (CAISON IN)	6/30/03	4:29 A/P	GAS	1	7	1.4	TCE
004	S2 (STACK OUT	6/30/03	4:39 A/P	GAS	1	7	1.4	TCE
005	B2 (BLANK P)	6/30/03	4:53 A/P	GAS	1	7	1.4	TCE
006			A/P					
007	S2 (STACK OUT H)	6/30/03	5:03 A/P	GAS	1	22	4.4	HCL
008	B2 (BLANK H)	6/30/03	5:32 A/P	GAS	1	16	3.2	HCL
9			A/P					
			A/P					
			A/P					
	030703013		A/P					
			A/P					
			A/P					

SEND REPORT TO
MARC LEWIS
HIRANI ENGINEERING & LAND SURVEYING
2 WORLDS FAIR DRIVE
SOMERSET, NJ 08873

SEND INVOICE TO
SAME

Samples received in good condition: ___Y ___N
Samples collected on proper media: ___Y ___N
Comments:

TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

- ☒ *STANDARD SERVICE
- ☐ *RUSH SERVICE — Results requested by: _____
- ☐ FAX RESULTS TO: _____ FAX # (___) ___-____
- ☐ PHONE RESULTS TO: _____ PH # (___) ___-____

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days. Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY	DATE	TIME
				7/3/03	9:25

CHAIN OF CUSTODY

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature)	**RECEIVED BY (Signature)**	**DATE**	**TIME**

WHITE — Lab Copy YELLOW — Sampler Copy PINK — Generator Copy

100 Oser Avenue IRM#1
PCE Soil Gas Concentrations