DETAILED SYSTEM MONITORING INSPECTION FORM
FORMER NESSEN LAMPS SITE
3200 Jerome Avenue, Bronx, New York

Inspector Name:	Lindsay Deckard	**Date:**	2/19/2015
Time IN:	9:00	**Time OUT:**	11:30

General

Weather:	Temperature (°F):	Barometric Pressure:	Ambient Air PID (ppm):
Windy, Clear	17°	29.77 in. Hg	0.0 ppm

When was the last rain event? 2/16/2015 (light snow)

Is the blower currently operating?

Yes.

If no, please list reason/alarm condition:

Any evidence of system tampering, vandalism or damage in the basement?

No.

Any evidence of system tampering, vandalism or damage to the exhaust stack (view from 1st, 2nd floors, and exterior)?

No.

Were all cleanout/sampling port caps securely attached prior to system testing?

Yes.

If no, list location and contact Project Manager/Project Director.

Is the concrete floor slab overlying all of the SSDS pits and piping runs intact?

Yes.

If no, list location and contact Project Manager/Project Director.

SSDS and SVE Operations

Pre-Blower Influent Temperature (°F):	Post-Blower Effluent Temperature(°F):	Enclosure Temperature (°F):
60°	101°	<104°F
Condensate in Header (inches):	**Condensate in 55-gallon drum (gallons):**	**Transfer Pump Working?**
None present	None present	Yes

Comments:

Notes:

1. Normal systems temperatures are <125°F for post-blower effluent vapor and <104°F for blower enclosure.

PID - Photoionization Detector ppm - parts per million

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SSDS and SVE Operations

Sample Identification	Sample Location	Vacuum Reading [3] in. H_2O	Air Flow Reading [4] cfm	PID Reading [5] ppm	Notes
SSDS-8	Basement Manifold [1]	0.65	80	NS	Vacuum and flow readings within acceptable ranges.
SSDS-6	Basement Manifold [1]	1.41	83	NS	Vacuum and flow readings within acceptable ranges.
SSDS-5	Basement Manifold [1]	1.19	76	NS	Vacuum and flow readings within acceptable ranges.
SSDS-4	Basement Manifold [1]	2.04	80	NS	Vacuum and flow readings within acceptable ranges.
SSDS-3	Basement Manifold [1]	2.05	67	NS	Vacuum and flow readings within acceptable ranges.
SSDS-2	Basement Manifold [1]	2.49	83	NS	Vacuum and flow readings within acceptable ranges.
SSDS-1	Basement Manifold [1]	1.41	69	NS	Vacuum and flow readings within acceptable ranges.
SVE-1	Basement Manifold [1]	21	16	NS	Vacuum and flow readings within acceptable ranges.
SSDS-7	Basement Manifold [1]	4.23	56	NS	Vacuum and flow readings within acceptable ranges.
Ambient Air in Basement	Basement	NA	NA	0.0	Vacuum and flow readings within acceptable ranges.
Total Influent (Pre-GAC)	Basement	NA	NA	2.2	Vacuum and flow readings within acceptable ranges.
Intermediate GAC	Basement	NA	NA	1.6	Vacuum and flow readings within acceptable ranges.
Total Effluent (Post-GAC)	Basement	NA	NA	1.3	Vacuum and flow readings within acceptable ranges.
MP-1	First Floor [2]	0.49	NA	NA	Vacuum readings taken 3/4/2015 - MPs inaccessible 2/19/2015
MP-2	First Floor [2]	0.020	NA	NA	Vacuum readings taken 3/4/2015 - MPs inaccessible 2/19/2015
MP-3	First Floor [2]	0.027	NA	NA	Vacuum readings taken 3/4/2015 - MPs inaccessible 2/19/2015
MP-4	First Floor [2]	0.025	NA	NA	Vacuum readings taken 3/4/2015 - MPs inaccessible 2/19/2015

Comments: System operating properly. PID screening did not identify any readings in ambient, first floor or basement air. No alarm conditions noted during continual operation since last inspection on January 20, 2015. Monitoring Points (MPs) were inaccessible during initial inspection on February 19, 2015. Vacuum readings of MP-1 through MP-4 collected on March 4, 2015 confirmed negative pressure beneath the entire Site buidling.

Notes:

1. System vacuum points located on the basement manifold are listed in as-built order from south to north, (viewed left to right when facing western basement wall.)

2. Monitoring point locations (see Figure 19 of the Site Management Plan):

MP-1: North central portion of first floor
MP-2: Southeastern portion of first floor; adjacent to entrance stairway
MP-3: Western portion of first floor
MP-4: South central portion of first floor

3. Normal system vacuums range between 0.5 and 5 in. H_2O at sample locations SSDS-1 through SSDS-7, 0.1 and 1.0 in H_2O at sample location SSDS-8, and between 15 and 25 in. H_2O at SVE-1. A minimum of 0.005 in. H_2O at monitoring points MP-1 through MP-4 . If observations are confirmed to be outside of this range, inform emergency contacts and prepare corrective action plan.

4. Normal system flow rates range between 50 and 100 cfm sample locations SSDS-1 through SSDS-8, and between 10 to 30 cfm for SVE-1. If observations are confirmed to be outside of this range, inform emergency contacts and prepare corrective action plan, if necessary.

5. Peristalic pump and tedlar bag required to take PID readings.

NS - Not sampled

in. of H2O - inches of water

cfm - cubic feet per minute

PID - Photoionization Detector

ppm - parts per million

GAC - granular activated carbon

NA - not applicable

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Influent/Effluent Vapor Samples

Sample Location	Sample ID	Sample Date	Start Time	End Time	Notes
SSDS-8	NS	—	—	—	
SSDS-6	NS	—	—	—	
SSDS-5	NS	—	—	—	
SSDS-4	NS	—	—	—	
SSDS-3	NS	—	—	—	
SSDS-2	NS	—	—	—	
SSDS-1	NS	—	—	—	
SVE-1	NL-IV-SVE-1	2/19/2015	10:50	10:58	
SSDS-7	NS	—	—	—	
Total Influent (Pre-GAC)	NL-IV-TOTAL	2/19/2015	9:50	9:54	
Intermediate GAC	NL-EV-INT	2/19/2015	9:55	9:58	
Total Effluent (Post-GAC)	NL-EV-POST	2/19/2015	9:59	10:08	

Notes: 1. Influent/effluent vapor samples were collected from select System points (prior to the 6 month scheduled requirement outlined in the Site Management Plan) to assess the carbon treatment units. Samples were screened and collected in accordance with the Quality Assurance Project Plan (QAPP) with a peristaltic pump and tedlar bags, and analyzed for volatile organic compounds (VOCs) by EPA Method TO-15.
2. NS - Not sampled.

Emergency Contact Information

Name	Title	Contact Number
Marc Godick	AKRF Project Director	914-922-2356 (office) 917-991-4030 (cell)
Dustin Kapson	AKRF Project Manager	646-388-9767 (office) 646-823-5144 (cell)
James Rinzler	Owner's Representative	212-685-6500 (office)