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April 10, 2014

Ms. Sondra Martinkat
Division of Environmental Remediation
New York State Department of Environmental Conservation
One Hunters Point Plaza
47-40 21st Street
Long Island City, New York 11101

SUBJECT: Monthly Progress Report – March 2014
Standard Motor Products, Inc.
Long Island City, New York
NYSDEC Class 2 Site No. 241016

Dear Ms. Martinkat:

Pursuant to the requirements of Order on Consent and Administrative Settlement (Index #R2-0637-04-10) for Standard Motor Products, Inc. (NYSDEC Site Number 241016), please find attached a copy of the Progress Report prepared for the period of March 2014.

In accordance with the requirements of the Order on Consent, copies of this correspondence have also been submitted to the New York State Department of Health - Bureau of Environmental Exposure Investigation, and the NYSDEC Regional Attorney in Long Island City, New York.

If you have any other questions, please feel free to contact me at (732) 590-4583.

Sincerely,

Warren J. Newman, Jr., P.E.
Environmental Engineer
CDM Smith Inc.

cc: (via e-mail) Robert H. Martin – SMP
Steven L. Humphreys, Esq. – KD&W
Jane O'Connell - NYSDEC
Justin Deming – NYSDOH
Louis P. Oliva, Esq. – NYSDEC
Maria D. Watt – CDM Smith

Monthly Progress Report – March 2014

Standard Motor Products, Inc.
37-18 Northern Boulevard
Long Island City, Queens County, New York

NYSDEC Site Number: 241016

Actions Taken This Reporting Period:

- Regular monthly operation and maintenance service was conducted on the sub slab depressurization system (SSDS) and the air sparge/soil vapor extraction (AS/SVE) system by INTEX Environmental Group, Inc. (INTEX). The monthly checklist form for operation during March is attached.

- Preparation of the Final Engineering Report (FER) began and work continued to update and finalize the draft Site Management Plan (SMP) that was previously submitted to NYSDEC in June 2012. Components of the SMP currently being worked on include the monitoring well boring and construction logs, AS/SVE system as-built drawings, and the AS/SVE system O&M manual. Completion of the FER and SMP is anticipated at the end of May 2014.

- Annual monitoring activities, including SSDS/SVE system vacuum readings, SSDS/SVE process air sampling and ground water sampling were performed in March 2014. The SSDS/SVE system vacuum monitoring point readings, recorded on March 11, 2014, are attached. The process air and ground water samples are at Chemtech laboratory pending analysis.

Actions Anticipated Next Reporting Period(s):

- The Draft Environmental Easements (EEs) that were submitted to MTA (owner of the property on which the AS/SVE system is installed) and Acumen (owner of the property on which the SMP building is located) were approved and have been subsequently submitted to NYSDEC legal counsel for review and approval.

Approved Modifications to Work Plans or Schedules:

- None this period.

Sampling/Test Results and Data:

- SSDS/SVE system vacuum monitoring point readings are attached.

Percentage Completion/Unresolved Project Delays:

- Site Characterization – 100% Complete.
- Remedial Investigation/Feasibility Study – 100% Complete.
- Interim Remedial Measure (IRM) Workplan and IRM Installation – 100% Complete.
- IRM Operation – Ongoing; no delays encountered or anticipated.
- Remedial Design/Remedial Action Workplan – 100% Complete.
- Site Management Plan (SMP) – Draft SMP 95% Complete.
- Air Sparge/Soil Vapor Extraction System Installation – 100% Complete.
- Air Sparge/Soil Vapor Extraction System Startup and Optimization – 100% Complete.
- Final Engineering Report (FER) – 30% Complete.

Activities in Support of Citizen Participation Plan:

- None this period.

INTEX ENVIRONMENTAL GROUP, INC.

Sub-Slab Depressurization - Air Sparge/Vapor Extraction System O&M checklist

Site: Standard Motor Products, 37-18 Northern Blvd., Long Island City, NY

Date: 3-28-14	**Time: onsite 14:30**	**offsite 16:30**		**Technician(s): Todd Daniel**		
System Status (circle type)						
Maintenance Type:	**Scheduled**	Alert	Shutdown	Response		
System Status:onsite	Manual	**Auto**	Shutdown	Off		
System Status:offsite	Manual	**Auto**	Shutdown	Off		
Blower 1 Status:	Manual	Auto	Shutdown	**Off**		
Blower 2 Status:	Manual	**Auto**	Shutdown	Off	*on for March*	
Transfer Pump Status:	Manual	**Auto**		Off		
Genaral Alarm Status:	On/**Off**/Auto	Pressure	Temp.	level		
Bypass Valve:	**Closed**	Open	Angle (record)			
VE High Water Status	On/**Off**	Off				
System Readings (record values)						
Pressure		**Temperature**			**Flow**	
Inlet Vacuum (in H2O)	**2.4**			System Vacuum Exhaust (cfm)		**996**
Differ.Filter (in H20)	**1.43**	Inlet (gas)	**60.2**	Vacuum System Total (cf)		
		Blower 1(oil)	**NA**		Flow (cfm)	Press. (psi)
Blower 1 Inlet (in H2O)	**NA**	Motor 1 (windings)	**NA**	sparge #1	**6.8**	**9**
Blower 2 Inlet (in H2O)	**25**	Blower 2 (oil)	**89**	sparge #2	**6.3**	**6.5**
Outlet Manifold (in H2O)	**2.87**	Motor 2 (windings)	**84**	sparge #3	**6**	**8**
Outlet Stack (in H2O)	**1.9**	Exhaust (gas)	**72.1**	sparge #4	**5.7**	**8.6**
Sparge Compress (psi)	**15.8**	Sparge Manifold Temp.	**124**	sparge #5	**6.2**	**9.9**
		Trailer (ambient)	**64 degrees F**	sparge #6	**6.2**	**9.5**
Vacuum Laterals	Vel. (fpm)	Vac. in. H_2O		sparge #7	**6.3**	**9**
Lateral #1				sparge #8	**6**	**9.1**
Lateral #2				sparge #9	**6.5**	**8**
Lateral #3				sparge #10	**6.1**	**8.4**
Meters		**PID Readings(optional)**		**Electrical**		
Blower 1 (hrs.)	**21557.1**	Inlet (ppm)	**NA**	Supply L1/L2/L3 (volts)		**282/294/294**
Blower 2 ((hrs.)	**15762.5**	Outlet Manifold(ppm)	**NA**	System L1/L2/L3(amps)		**17.6/17.3/16.9**
Condensate (gals.)	**532**	Outlet Stack (ppm)	**NA**	Blower 1 L1/L2/L3(amps)		**-**
Sparge Compress(hrs)				Blower 2 L1/L2/L3(amps)		**-**
VFD Setting	**24.8**			VFD Frequency		**24.8**
Observations (record condition)						
Vibration		**Noise**		**Leaks**		
Blower Skid 1 (ok/ type)	**ok**	Blower Skid 1 (ok/type)	**ok**	Blower Skid 1 (ok/fluid/gas)		**ok**
Blower Skid 2 (ok/type)	**ok**	Blower Skid 2 (ok/type)	**ok**	Blower Skid 2 (ok/fluid/gas)		**ok**
Compressor (ok/ type)	**ok**	Compressor (ok/ type)	**ok**	Compressor (ok/ type)		**ok**
System (ok/type)	**ok**	System (ok/type)	**ok**	System (ok/fluid/gas)		**ok**
Maintenance (record service)						
Oil Change		**V-Belts Tension**		**Motor Grease**		
Blower 1 (hrs./type)	**NA**	Blower 1 (ok/deflec.)	**NA**	Motor 1(hrs./type)		**NA**
Blower 2 (hrs./type)	**DTE HEAVY**	Blower 2 (ok/deflec.)	**12.1/12.1**	Motor 2(hrs./type)		**NG LI #2**
Filters		**Piping/Instrumentation**				
Inlet (hrs./clean/replaced)	**ok**	Hangers (ok/repair)	**ok**			
Bypass(hrs/clean/replaced)	**ok**	Piping (ok/repair)	**ok**			
Liquid Carbon (gals/replaced)	**ok**	Wiring (ok/repair)	**ok**			
Vapor Carbon (cft/replaced)	**ok**	Sensors (ok/repair)	**ok**			
Monitoring Well MW-20 water depth =	**6.4 btc**					

Daily Notes:

Normal Service on Blower Skid #2

Normal Service in Sparge Compressor Oil and Inspection

Red and bold entries represent data collected during this O&M Visit.

Vacuum Monitoring Point Readings
Standard Motor Products
(SSDS and AS/SVE system operating concurrently)

DATE: March 11, 2014		READING	TIME
Influent Header Vac (in. WC)		8.3	07:35
Blower Influent Vac (in. WC)		22.5	07:35
Blower Eff. Pressure (in. WC)		1.4	07:35
Blower Effluent Temp. (˚F)		69	07:35
Total Flowrate (cfm)		978	07:35
Sub-Slab Vacuum Monitoring Point (inches WC)	SB01	N/A *	-
	SB02	0.412	08:35
	SB03	0.329	06:35
	SB04	1.001	07:35
	SB05	0.189	06:41
	SB06	1.138	06:56
	SB07	0.016	07:10
	SB08	N/A *	-
	SB09	0.019	07:28
	SB10	0.065	07:20
	SB11	N/A *	-
	SB12	1.234	06:48
	SB13	0.383	06:52
	SB14	N/A *	-
	SB15	0.195	07:31
	SB20	N/A *	-
	SB22	0.260	06:44
	SB24	0.057	07:05
	SB25	0.012	07:16
Extraction Sump Vacuum Monitoring Gauge (inches WC)	ES01	9.0	06:33
	ES02	8.5	06:38
	ES03	7.2	06:50
	ES04	7.0	07:38
	ES05	7.5	06:59
	ES06	7.2	09:20
	ES07	7.0	07:24
	ES08	7.0	08:27
	ES09	9.4	08:28
SVE Vadose Zone Vacuum Monitoring Point (inches WC)	SV-1	0.0 (port clogged)	08:18
	SV-2	0.199	08:15
	SV-3 **	0.275	08:12
	SV-4	0.205	08:10
	SV-5	0.330	08:07
	SV-6	0.180	08:05

Notes:

Sub-slab and SVE vadose zone vacuum readings measured with a Dwyer Series 475 Mark III digital manometer.

Extraction sump vacuum readings recorded from fixed gauge on extraction piping.

* - No measurement taken; sampling point either damaged or unaccesible.

** - SVE Vadose Zone Vacuum Monitoring Point SV-3 was replaced on 3/3/2014.