

Site Inspection Form – RAD II

I. Site Information	
Site Name:	Review Avenue Development Site II (RAD II)
NYSDEC Site Number:	BCP #C241005
Site Address:	37-80 Review Avenue, Long Island City, NY
Block/Lot:	Block 312; Lot 69
Date of Inspection:	
Type of Inspection:	Regular <input type="checkbox"/> Emergency <input type="checkbox"/>
Inspected By:	

II. General Information	
Current Site Use: (Warehouse, Parking Lot, Vacant, etc.):	
Summary of Previous Inspections:	

III. Weather Conditions			
Time	Temperature	Condition (Sunny, Overcast, Precipitation, etc.)	Wind (Light, Moderate, Heavy, etc.)

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IV. On-Site Documents & Records				
Description	Readily available	Up to date	N/A	Remarks
O&M Documents:				
O&M Manual				
As-built drawings				
Maintenance logs				
Site Health & Safety Plan:				
Contingency Plan/Emergency response plan				
O&M and OSHA Training Records:				
O&M and OSHA Training Records				
Permits and Service Agreements:				
NYSDEC Air Permit Exemption				
NYSDEC Petroleum Bulk Storage Certification				
NYSDEC Erosion and Sediment Control Exemption				
NYSDEC Tidal Wetlands Jurisdiction Determination Letter				
NYCDEP Groundwater Discharge LOA				
NYCDEP Air Permit Informational Notice				
NYCDEP Dewatering Scheme and Indemnity Agreement				
NYCDEP Bureau of Customer Service Groundwater Discharge Permit				
NYCDOB Certificates of Occupancy				
Other:				

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V. Site Conditions					
Description		Inspected			Comments, Field Observations and Measurements (Dimensions and Depth of Disturbance of Cap), Reference Photo #
		Yes	No	N/A	
Engineering Control: Pavement Cover System					
a.	Asphalt Condition (Check for cracking, spalling, and potholes)				
b.	Differential Settlement (Check for settlement or subsidence)				
c.	Disturbance (Check for disturbance e.g. construction or utility repair, etc.)				
Engineering Control: LNAPL Recovery & Groundwater Treatment System					
a.	Recovery Well Vaults and Pumps (Check for leaks, operation, vault security, etc.)				
b.	LNAPL Storage Tanks (Check capacity, inspect for leaks, corrosion, etc.)				
c.	LNAPL Recovery / Groundwater Treatment System (Check for operation, leaks, up-to-date maintenance, etc.)				
d.	Equipment Enclosures (Check emergency lights / signs, fire extinguishers, eyewash, condition of doors/exterior, etc.)				

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V. Site Conditions (Continued)					
Other:					
Description		Inspected			Comments, Field Observations and Measurements (Dimensions and Depth of Disturbance of Cap), Reference Photo #
		Yes	No	N/A	
a.	Monitoring Wells (Check if secured, inspect condition of well, well cap, etc.)				
b.	Security (Check fence, gates, locks, etc.)				
c.	Site Use (Has site use changed? If so, is it still used for restricted use as specified in the SMP?)				

VI. Institutional Controls				
Status of Institutional Controls:				
Description	Yes	No	N/A	Remarks
Site conditions imply Institutional Controls not properly implemented				
Site conditions imply Institutional Controls not being fully enforced				
Permits and records are onsite and up-to-date				
Violations (if any) have been reported				
Previous suggested correction(s) have been made				
Other problems or suggestions:				

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VII. Groundwater Elevations and LNAPL Thickness Measurements							
Monthly LNAPL Thickness Measurements:							
Well ID Location	Date	Time	Depth from TOC to			Measured by:	Remarks: Calibration data found on Instrument Calibration Record
			Product (ft)	Water (ft)	Bottom (ft)		
AML-02							
AML-03							
AML-06							
GAL-01RR							
GAL-02R							
GAL-03R							
GAL-04R							
GAL-05R							
GAL-06							
GAL-07							
GAL-08							
GAL-09							
GAL-16R							
GAL-29							
GAL-30							
GAL-31R							
GAGW-04							
Semi-Annual Groundwater Elevation Measurements:							
Well ID Location	Date	Time	Depth from TOC to		Measured by:	Sampled? (Y/N)	Remarks: Calibration data found on Instrument Calibration Record
			Water (ft)	Bottom (ft)			
GAGW-02							
GAGW-05R							
GAGW-6I							
Semi-Annual LNAPL Thickness Measurements (6 Single Phase LNAPL Recovery Wells from RAD I & RAD II):							
Well ID Location	Date	Time	Depth from TOC to			Measured by:	Remarks: Calibration data found on Instrument Calibration Record
			Product (ft)	Water (ft)	Bottom (ft)		

Site Inspection Form – RAD II

IX. Overall Observations on Remedy Implementation & Site Conditions

Empty rectangular box for observations.

Review Avenue - System Tracking Sheet

Date: _____ **Time:** _____ **Operator:** _____ **System Status (ON/OFF)** _____

Task/reason for visit: _____

Alarms (if any): _____

SVE Manifold

Total Fluids Pumps

Zone	Flow (wc)	Vacuum (wc)	Air Pressure (psi)
On / Off	FI 101: _____	VI 101: _____	PI-601: _____
On / Off	FI 102: _____	VI 102: _____	PI-602: _____
On / Off	FI 103: _____	VI 103: _____	PI-603: _____
On / Off	FI 104: _____	VI 104: _____	PI-604: _____
On / Off	FI 105: _____	VI 105: _____	PI-605: _____
On / Off	FI 106: _____	VI 106: _____	PI-606: _____
On / Off	FI 107: _____	VI 107: _____	PI-607: _____

Moisture Separator (T-201)

SVE Blower (B-301)

Pre-tank Vacuum (VI-201):	_____	wc	Pre-filter Vacuum (VI-301):	_____	wc
Post-tank Temp. (TI-201):	_____	°F	Post-filter Vacuum (VI-302):	_____	wc
Post-tank Flow (FIT-201):	_____	wc	Outlet Temperature (TI-301):	_____	°F
Post-tank Vacuum (VIT-201):	_____	wc	Outlet Pressure (PI-301):	_____	wc
P-201 Discharge Pressure (PI-201):	_____	psi	Outlet Flow (FI-301):	_____	wc

Heat Exchange (HX-401)

Vapor Phase Carbon Treatment

Temperature Out (TI-401):	_____	°F	VGAC-501 Inlet Pressure (PI-501):	_____	wc
Pressure (PI-401):	_____	wc	VGAC-502 Inlet Pressure (PI-502):	_____	wc
			VC-501 Inlet Pressure (PI-503):	_____	wc

Air Compressor

System Pressure:	_____	psi	Post-filter Pressure (PI-1502):	_____	psi
Temperature:	_____	°F	Regulator Pressure (PRV-1501):	_____	psi
Operating Hours:	_____	hrs	Condensate Bucket Drained (Yes / No):	_____	

Power

Power Consumption (Local):	_____	kWh	Time Recorded:	_____
Power Consumption (Remote):	_____	kWh	Time Recorded:	_____

Comments/Adjustments:

Review Avenue - System Tracking Sheet

Date: _____ Operator: _____

Pre-Separation Tank (T-701)

Influent Flow Rate (FIT-701): _____ GPM
 Vaport Vent Rate (FI-701): _____ SCFH
 Vapor Vent Vacuum (VI-701): _____ w.c.
 Product Thickness: _____ ft/in
 Influent Oil/Water Ratio: _____
 Conductivity Sensor Tested? _____

Oil Water Separator (OWS-701)

Vaport Vent Rate (FI-702): _____ SCFH
 Vaport Vent Rate (FI-703): _____ SCFH
 Vapor Vent Vacuum (VI-702): _____ w.c.
 Vapor Vent Vacuum (VI-703): _____ w.c.

Visual Comments/Observations:

T-701 Rotary Skimmer Operation/Adjustments: _____
 OWS Rotary Skimmer Operation/Adjustments: _____
 OWS Belt Skimmer Operation/Adjustments: _____
 Cleanliness in Tank / Quality of Effluent / Other: _____

Chemical Feed: Biocide

Drum Level (T-710): _____
 Pump Stroke Length (P-710): _____ %
 Pump Stroke Rate (P-710): _____ strokes/min

Chemical Feed: Emulsification Breaker

Drum Level (T-711): _____
 Pump Stroke Length (P-711): _____ %
 Pump Stroke Rate (P-711): _____ strokes/min

LNAPL Product Storage Tanks

From Skimmer Pumps (T-1401)

Total Flow (Local - FQ-1401): _____ gal
 Total Flow (Remote - FIT-1401): _____ gal
 Tank Level - Stick Reading: _____ ft/in
 Tank Level - Gauge (LI-1401): _____ ft/in
 Time of First Reading: _____
 Tank Level - Gauge (LI-1401): _____ ft/in
 Time of Second Reading: _____
 Inches H2O in Tank: _____ in
 Inches H2O Pumped (if necessary): _____ in

From Oil/Water Separator (T-802)

Total Flow (Local - FQ-801): _____ gal
 Total Flow (Remote - FIT-801): _____ gal
 Tank Level - Stick Reading: _____ ft/in
 Tank Level - Gauge (LI-801): _____ ft/in
 Time of First Reading: _____
 Tank Level - Gauge (LI-801): _____ ft/in
 Time of Second Reading: _____
 Inches H2O in Tank: _____ in
 Inches H2O Pumped (if necessary): _____ in
 Bypass Valve Open/Closed?: _____
 Transfer Pump Pressure (PI-801): _____ psi

Bag Filters

Transfer Pump Pressure (PI-901): _____ psi
 Differential Pressure (PI-1101 - PI-901): _____ psi
 Bags Changed (Y/N)? _____

Liquid Phase Carbon Treatment

LGAC-1101 Inlet Pressure (PI-1101): _____ psi
 LGAC-1102 Inlet Pressure (PI-1102): _____ psi
 Differential Pressure (PI-1102 - PI-1101): _____ gal
 Effluent Total (Local: FQ-1201): _____ gal
 Effluent Total (Remote: FIT-1201): _____ gal

Review Avenue - Timer Tracking Sheet

Date: _____

Operator: _____

Total Fluids & Skimmer Timer Schedules

<u>TF Zone 1</u>	<u>TF Zone 2</u>	<u>TF Zone 3</u>	<u>TF Zone 4</u>
MOV-101 On: _____ MOV-101 Off: _____ SV-601 On: _____ SV-601 On: _____	MOV-102 On: _____ MOV-102 Off: _____ SV-602 On: _____ SV-602 On: _____	MOV-103 On: _____ MOV-103 Off: _____ SV-603 On: _____ SV-603 On: _____	MOV-104 On: _____ MOV-104 Off: _____ SV-604 On: _____ SV-604 On: _____
<u>Changes?</u>	<u>Changes?</u>	<u>Changes?</u>	<u>Changes?</u>
<u>Wells Running:</u>	<u>Wells Running:</u>	<u>Wells Running:</u>	<u>Wells Running:</u>
<u>TF Zone 5</u>	<u>TF Zone 6</u>	<u>TF Zone 7</u>	<u>Skimmers</u>
MOV-105 On: _____ MOV-105 Off: _____ SV-605 On: _____ SV-605 On: _____	MOV-105 On: _____ MOV-105 Off: _____ SV-605 On: _____ SV-605 On: _____	MOV-105 On: _____ MOV-105 Off: _____ SV-605 On: _____ SV-605 On: _____	Timer On: _____ Timer Off: _____
<u>Changes?</u>	<u>Changes?</u>	<u>Changes?</u>	<u>Changes?</u>
<u>Wells Running:</u>	<u>Wells Running:</u>	<u>Wells Running:</u>	<u>Wells Running:</u>

Biocide Timer Schedule

Injection Time: _____ Resets Manually: _____	Timer 1 On/Off: _____ Timer 1 On Time: _____	Timer 2 On/Off: _____ Timer 2 On Time: _____	Timer 3 On/Off: _____ Timer 3 On Time: _____
<u>Changes?</u>	<u>Changes?</u>	<u>Changes?</u>	<u>Changes?</u>

Other Comments:

Review Avenue - Bi-Weekly System Tracking Sheet

Date: _____

Operator: _____

VER (Total Fluids) Well Heads

On / Off?	TF-1A	TF-1B	TF-1C	TF-1D	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
	PI-TF-1A-H _____				
	PI-TF-1A-L _____	PI-TF-1B-L _____	PI-TF-1C-L _____	PI-TF-1D-L _____	
	PI-TF-1A-D _____	PI-TF-1B-D _____	PI-TF-1C-D _____	PI-TF-1D-D _____	
	VI-TF-1A-C _____	VI-TF-1B-C _____	VI-TF-1C-C _____	VI-TF-1D-C _____	
On / Off?	TF-2A	TF-2B	TF-2C	TF-2D	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
	PI-TF-2A-H _____				
	PI-TF-2A-L _____	PI-TF-2B-L _____	PI-TF-2C-L _____	PI-TF-2D-L _____	
	PI-TF-2A-D _____	PI-TF-2B-D _____	PI-TF-2C-D _____	PI-TF-2D-D _____	
	VI-TF-2A-C _____	VI-TF-2B-C _____	VI-TF-2C-C _____	VI-TF-2D-C _____	
On / Off?	TF-3A	TF-3B	TF-3C	TF-3D	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
	PI-TF-3A-H _____				
	PI-TF-3A-L _____	PI-TF-3B-L _____	PI-TF-3C-L _____	PI-TF-3D-L _____	
	PI-TF-3A-D _____	PI-TF-3B-D _____	PI-TF-3C-D _____	PI-TF-3D-D _____	
	VI-TF-3A-C _____	VI-TF-3B-C _____	VI-TF-3C-C _____	VI-TF-3D-C _____	
On / Off?	TF-4A	TF-4B	TF-4C	TF-4D	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
	PI-TF-4A-H _____				
	PI-TF-4A-L _____	PI-TF-4B-L _____	PI-TF-4C-L _____	PI-TF-4D-L _____	
	PI-TF-4A-D _____	PI-TF-4B-D _____	PI-TF-4C-D _____	PI-TF-4D-D _____	
	VI-TF-4A-C _____	VI-TF-4B-C _____	VI-TF-4C-C _____	VI-TF-4D-C _____	
On / Off?	TF-5A	TF-5B	TF-5C	TF-5D	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
	PI-TF-5A-H _____				
	PI-TF-5A-L _____	PI-TF-5B-L _____	PI-TF-5C-L _____	PI-TF-5D-L _____	
	PI-TF-5A-D _____	PI-TF-5B-D _____	PI-TF-5C-D _____	PI-TF-5D-D _____	
	VI-TF-5A-C _____	VI-TF-5B-C _____	VI-TF-5C-C _____	VI-TF-5D-C _____	
On / Off?	TF-6A	TF-6B	TF-6C	TF-6D	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
	PI-TF-6A-H _____				
	PI-TF-6A-L _____	PI-TF-6B-L _____	PI-TF-6C-L _____	PI-TF-6D-L _____	
	PI-TF-6A-D _____	PI-TF-6B-D _____	PI-TF-6C-D _____	PI-TF-6D-D _____	
	VI-TF-6A-C _____	VI-TF-6B-C _____	VI-TF-6C-C _____	VI-TF-6D-C _____	
On / Off?	TF-7A	TF-7B	TF-7C	TF-7D	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
	PI-TF-7A-H _____				
	PI-TF-7A-L _____	PI-TF-7B-L _____	PI-TF-7C-L _____	PI-TF-7D-L _____	
	PI-TF-7A-D _____	PI-TF-7B-D _____	PI-TF-7C-D _____	PI-TF-7D-D _____	
	VI-TF-7A-C _____	VI-TF-7B-C _____	VI-TF-7C-C _____	VI-TF-7D-C _____	
	TF-7E	TF-7F			
	PI-TF-7E-H _____				
	PI-TF-7E-L _____	PI-TF-7F-L _____			
	PI-TF-7E-D _____	PI-TF-7F-D _____			
	VI-TF-7E-C _____	VI-TF-7F-C _____			

Other Comments: _____

Notes:

- PI-TF-XX-H = Compressed Air Pressure (High) - only applies to regulator at first well of each leg (i.e. TF-1A, TF-2A, TF-3A, etc.)
- PI-TF-XX-L = Compressed Air Pressure (Low)
- PI-TF-XX-D = Pump Discharge Pressure
- VI-TF-XX-C = Casing Vacuum Pressure

Review Avenue - Bi-Weekly System Tracking Sheet

Date: _____

Operator: _____

Skimmer Well Heads

S-1A	S-1B	S-1C	S-1D	S-1E	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
PI-S-1A-H _____	PI-S-1B-L _____	PI-S-1C-L _____	PI-S-1D-L _____	PI-S-1E-L _____	
PI-S-1A-L _____	PI-S-1B-D _____	PI-S-1C-D _____	PI-S-1D-D _____	PI-S-1E-D _____	
PI-S-1A-D _____	PI-S-1B-D _____	PI-S-1C-D _____	PI-S-1D-D _____	PI-S-1E-D _____	
Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	
Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	
S-2A	S-2B	S-2C	S-2D	S-2E	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
PI-S-2A-H _____	PI-S-2B-L _____	PI-S-2C-L _____	PI-S-2D-L _____	PI-S-2E-L _____	
PI-S-2A-L _____	PI-S-2B-D _____	PI-S-2C-D _____	PI-S-2D-D _____	PI-S-2E-D _____	
PI-S-2A-D _____	PI-S-2B-D _____	PI-S-2C-D _____	PI-S-2D-D _____	PI-S-2E-D _____	
Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	
Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	
S-3A	S-3B	S-3C	S-3D	S-3E	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
PI-S-3A-H _____	PI-S-3B-L _____	PI-S-3C-L _____	PI-S-3D-L _____	PI-S-3E-L _____	
PI-S-3A-L _____	PI-S-3B-D _____	PI-S-3C-D _____	PI-S-3D-D _____	PI-S-3E-D _____	
PI-S-3A-D _____	PI-S-3B-D _____	PI-S-3C-D _____	PI-S-3D-D _____	PI-S-3E-D _____	
Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	
Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	
S-4A	S-4B	S-4C	S-4D	S-4E	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
PI-S-4A-H _____	PI-S-4B-L _____	PI-S-4C-L _____	PI-S-4D-L _____	PI-S-4E-L _____	
PI-S-4A-L _____	PI-S-4B-D _____	PI-S-4C-D _____	PI-S-4D-D _____	PI-S-4E-D _____	
PI-S-4A-D _____	PI-S-4B-D _____	PI-S-4C-D _____	PI-S-4D-D _____	PI-S-4E-D _____	
Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	
Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	
S-5A	S-5B	S-5C	S-5D	S-5E	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
PI-S-5A-H _____	PI-S-5B-L _____	PI-S-5C-L _____	PI-S-5D-L _____	PI-S-5E-L _____	
PI-S-5A-L _____	PI-S-5B-D _____	PI-S-5C-D _____	PI-S-5D-D _____	PI-S-5E-D _____	
PI-S-5A-D _____	PI-S-5B-D _____	PI-S-5C-D _____	PI-S-5D-D _____	PI-S-5E-D _____	
Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	
Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	
S-6A	S-6B	S-6C	S-6D	S-6E	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
PI-S-6A-H _____	PI-S-6B-L _____	PI-S-6C-L _____	PI-S-6D-L _____	PI-S-6E-L _____	
PI-S-6A-L _____	PI-S-6B-D _____	PI-S-6C-D _____	PI-S-6D-D _____	PI-S-6E-D _____	
PI-S-6A-D _____	PI-S-6B-D _____	PI-S-6C-D _____	PI-S-6D-D _____	PI-S-6E-D _____	
Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	
Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	
S-7A	S-7B	S-7C	S-7D	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):	
PI-S-7A-H _____	PI-S-7B-L _____	PI-S-7C-L _____	PI-S-7D-L _____		
PI-S-7A-L _____	PI-S-7B-D _____	PI-S-7C-D _____	PI-S-7D-D _____		
PI-S-7A-D _____	PI-S-7B-D _____	PI-S-7C-D _____	PI-S-7D-D _____		
Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____		
Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____		
S-8A	S-8B	S-8C	S-8D	Comments (clean pump, leaks, adjust pressure, vault condition, etc.):	
PI-S-8A-H _____	PI-S-8B-L _____	PI-S-8C-L _____	PI-S-8D-L _____		
PI-S-8A-L _____	PI-S-8B-D _____	PI-S-8C-D _____	PI-S-8D-D _____		
PI-S-8A-D _____	PI-S-8B-D _____	PI-S-8C-D _____	PI-S-8D-D _____		
Cycle Rate _____	Cycle Rate _____	Cycle Rate _____	Cycle Rate _____		
Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____	Cycle Freq. _____		

Other Comments: _____

Notes:

PI-S-XX-H = Compressed Air Pressure (High) - only applies to regulator at first well of each leg (i.e. S-1A, S-2A, S-3A, etc.)

PI-S-XX-L = Compressed Air Pressure (Low)

PI-S-XX-D = Pump Discharge Pressure

Review Avenue - Monthly System Tracking Sheet

Date:

Operator:

VER (Total Fluids) Well Heads - Jar Test: Water/Product Observations from Sample Ports

On / Off?	TF-1A Total _____ In. Water _____ In. Product _____	TF-1B Total _____ In. Water _____ In. Product _____	TF-1C Total _____ In. Water _____ In. Product _____	TF-1D Total _____ In. Water _____ In. Product _____	Comments/Adjustments:
On / Off?	TF-2A Total _____ In. Water _____ In. Product _____	TF-2B Total _____ In. Water _____ In. Product _____	TF-2C Total _____ In. Water _____ In. Product _____	TF-2D Total _____ In. Water _____ In. Product _____	Comments/Adjustments:
On / Off?	TF-3A Total _____ In. Water _____ In. Product _____	TF-3B Total _____ In. Water _____ In. Product _____	TF-3C Total _____ In. Water _____ In. Product _____	TF-3D Total _____ In. Water _____ In. Product _____	Comments/Adjustments:
On / Off?	TF-4A Total _____ In. Water _____ In. Product _____	TF-4B Total _____ In. Water _____ In. Product _____	TF-4C Total _____ In. Water _____ In. Product _____	TF-4D Total _____ In. Water _____ In. Product _____	Comments/Adjustments:
On / Off?	TF-5A Total _____ In. Water _____ In. Product _____	TF-5B Total _____ In. Water _____ In. Product _____	TF-5C Total _____ In. Water _____ In. Product _____	TF-5D Total _____ In. Water _____ In. Product _____	Comments/Adjustments:
On / Off?	TF-6A Total _____ In. Water _____ In. Product _____	TF-6B Total _____ In. Water _____ In. Product _____	TF-6C Total _____ In. Water _____ In. Product _____	TF-6D Total _____ In. Water _____ In. Product _____	Comments/Adjustments:
On / Off?	TF-7A Total _____ In. Water _____ In. Product _____	TF-7B Total _____ In. Water _____ In. Product _____	TF-7C Total _____ In. Water _____ In. Product _____	TF-7D Total _____ In. Water _____ In. Product _____	Comments/Adjustments:
	TF-7E Total _____ In. Water _____ In. Product _____	TF-7F Total _____ In. Water _____ In. Product _____			

Other Comments:

Review Avenue - Monthly System Tracking Sheet

Date:

Operator:

Skimmer Well Heads - Jar Test: Observations from Sample Ports

S-1A	S-1B	S-1C	S-1D	S-1E	Comments/Adjustments:
Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	
S-2A	S-2B	S-2C	S-2D	S-2E	Comments/Adjustments:
Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	
S-3A	S-3B	S-3C	S-3D	S-3E	Comments/Adjustments:
Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	
S-4A	S-4B	S-4C	S-4D	S-4E	Comments/Adjustments:
Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	
S-5A	S-5B	S-5C	S-5D	S-5E	Comments/Adjustments:
Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	
S-6A	S-6B	S-6C	S-6D	S-6E	Comments/Adjustments:
Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	
S-7A	S-7B	S-7C	S-7D	Comments/Adjustments:	
Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No		
S-8A	S-8B	S-8C	S-8D	Comments/Adjustments:	
Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No	Water Observed? Yes No		

Other Comments:

Review Avenue - Monthly Compliance Sampling Tracking Sheet

Date: _____ **Operator:** _____

Vapor Phase Compliance Sampling

<u>Location</u>	<u>Sample Port</u>	<u>PID Reading</u>	<u>Sample ID</u>	<u>Date / Time</u>
SVE Manifold	SP-101	_____	_____	_____
SVE Manifold	SP-102	_____	_____	_____
SVE Manifold	SP-103	_____	_____	_____
SVE Manifold	SP-104	_____	_____	_____
SVE Manifold	SP-105	_____	_____	_____
SVE Manifold	SP-106	_____	_____	_____
SVE Manifold	SP-107	_____	_____	_____
Pre-Moisture Separator	SP-201	_____	_____	_____
Pre-SVE Blower	SP-301	_____	_____	_____
Post-SVE Blower	SP-302	_____	_____	_____
Pre-VGAC-501	SP-501	_____	_____	_____
Pre-VGAC-502	SP-502	_____	_____	_____
Pre-KMnO4 (VC-501)	SP-503	_____	_____	_____
Effluent	SP-504	_____	_____	_____

Liquid Phase Compliance Sampling

<u>Location</u>	<u>Sample Port</u>	<u>Sample ID</u>	<u>Date / Time</u>
Influent (Pre-LGAC-1101)	SP-1101	_____	_____
Midfluent (Pre-LGAC-1102)	SP-1102	_____	_____
Effluent	SP-1201	_____	_____

Comments



Job Name: _____
 Job Number: _____
 Calibration By: _____
 (Signature)

Page 1 of 1
 Date: _____ Time: _____
 Project Manager: _____

INSTRUMENT CALIBRATION RECORD

Instrument Make and Model No.	Serial Number	Standard		Lot No.	Expiration Date	Reading	Set	Time	Comments
		Type	Conc.						
Temp. Meter: Horiba U-52		Refer Therm. AccuSafe # _____	<input checked="" type="checkbox"/> °C or <input type="checkbox"/> °F	-	-	____ <input checked="" type="checkbox"/> °C or <input type="checkbox"/> °F			
pH Meter: “	“	Buffer 4.00	See Chart Below			____ S.U.			
		Buffer 10.00	See Chart Below			____ S.U.			
		Buffer 7.00 **Check	See Chart ± 0.1			____ S.U.			
		Buffer 7.00 Buffer 7.00	<u>3hr Check</u> <u>3hr Check</u>			____ S.U. ____ S.U.	____	____	
Cond. Meter: “	“	Fresh Air	0.0	-	-	____ ms/cm			
		Solution	1.413			____ ms/cm			
Dis. Oxygen: “	“	Solution	0.0			____ mg/L			
		Put wet paper towel over probe	See Chart Below	-	-	____ mg/L			
Turbidity: “	“	DI Water	0.0	-	-	____ NTU			
		Solution	100			____ NTU			
Redox Meter: “	“	Solution	240			____ mV			
<input checked="" type="checkbox"/> PID or <input type="checkbox"/> FID MiniRae _____		0 Gas - Air	0 ppm	-	-	____ ppm			
		isobutylene span	100 ppm (span)			____ ppm (span)			

AquaPhoenix pH/Temp Chart

°C	pH 4	pH 7	pH 10
0	4.01	7.12	10.20
5	4.00	7.09	10.16
10	4.00	7.06	10.12
15	4.00	7.04	10.08
20	4.00	7.02	10.04
25	4.00	7.00	10.00
30	4.01	6.99	9.96
35	4.01	6.98	9.92

D.O. Field Air Calibration Chart

°C	mg/L	°C	mg/L	°C	mg/L
0	15.58	11	11.74	21	9.55
1	15.15	12	11.47	22	9.38
2	14.74	13	11.22	23	9.23
3	14.34	14	10.97	24	9.08
4	13.97	15	10.74	25	8.92
5	13.61	16	10.52	26	8.79
6	13.27	17	10.31	27	8.66
7	12.93	18	10.10	28	8.53
8	12.62	19	9.91	29	8.40
9	12.31	20	9.72	30	8.28
10	12.01				

Gallons/Linear Ft

Dia.	Volume
2	0.163
4	0.653
6	1.469
8	2.611
10	4.080

Well Inspection Form

Site: _____ Inspection Date: _____

Inspection by: _____



Flush Mount Wells										
Well ID	Lid / Rim Needs Repair / Replacement (Y / N)	Bolts Need Repair / Replacement (Y / N)	Bolts Missing (Y/N) How Many	Concrete Pad Needs Replacement (Y / N)	Locking Cap Needs Replacement (Y / N)	Lock Needs Replacement (Y / N)	Riser Needs Repair (Y / N)	Annular Space Needs Cleaning (Y / N)	Tubing Needs To Be Replaced (Y / N)	Further Comments on Answers

Stick-Up Wells								
Well ID	Protective Casing Needs Repair / Replacement (Y / N)	Hinge / Latch Needs Repair (Y / N)	Concrete Pad Needs Replacement (Y / N)	Locking Cap Needs Replacement (Y / N)	Lock Needs Replacement (Y / N)	Riser Needs Repair (Y / N)	Tubing Needs To Be Replaced (Y / N)	Further Comments on Answers

