Site Inspection Form – RAD I

I. Site Information		
Site Name:	Review Avenue Development Site I (RAD I)	
NYSDEC Site Number:	BCP #C241089	
Site Address:	37-30 Review Avenue, Long Island City, NY	
Block/Lot:	Block 312; Lot 41	
Date of Inspection:		
Type of Inspection:	Regular ☐	Emergency ☐
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.)**

IV. On-Site Documents & Records (Stored at RAD II)				
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:				

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 System					
a.	Recovery Well Vaults and Pumps (Check for leaks, operation, vault security, etc.)				
Other:					
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:

VII. Groundwater and LNAPL Elevations

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-01							
AML-04							
GAL-10							
GAL-11R							
GAL-12							
GAL-13R							
GAL-18R							
GAL-21							
GAL-22							
GAL-23							
GAL-24							
GAL-32							
MW-2							
MW-4R							

Inspection Date: _____

VII. Groundwater and LNAPL Elevations (Continued)

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-08DR							
AMGW-10D							
GAGW-09S							
GAGW-09D							
GAGW-04D							

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)		

IX. Overall Observations on Remedy Implementation & Site Conditions

Inspection Date: _____

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)

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

SVE Blower (B-301)

Heat Exchange (HX-401)

Temperature Out (TI-401):	ºF	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

Vapor Phase Carbon Treatment

Air Compressor

System Pressure:	psi	Post-filter Pressure (PI-1502):	psi
Temperature:	ºF	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

TF Zone 1	TF Zone 2	TF Zone 3	TF Zone 4
MOV-101 On:	MOV-102 On:	MOV-103 On:	MOV-104 On:
MOV-101 Off:	MOV-102 Off:	MOV-103 Off:	MOV-104 Off:
SV-601 On:	SV-602 On:	SV-603 On:	SV-604 On:
SV-601 On:	SV-602 On:	SV-603 On:	SV-604 On:
Changes?	Changes?	Changes?	Changes?
Wells Running:	Wells Running:	Wells Running:	Wells Running:

TF Zone 5	TF Zone 6	TF Zone 7	Skimmers
MOV-105 On:	MOV-105 On:	MOV-105 On:	Timer On:
MOV-105 Off:	MOV-105 Off:	MOV-105 Off:	Timer Off:
SV-605 On:	SV-605 On:	SV-605 On:	
SV-605 On:	SV-605 On:	SV-605 On:	
Changes?	Changes?	Changes?	Changes?
Wells Running:	Wells Running:	Wells Running:	Wells Running:

Biocide Timer Schedule

Injection Time:	Timer 1 On/Off:	Timer 2 On/Off:	Timer 3 On/Off:
Resets Manually:	Timer 1 On Time:	Timer 2 On Time:	Timer 3 On Time:
Changes?	Changes?	Changes?	Changes?

Other Comments:

Review Avenue - Bi-Weekly System Tracking Sheet

Date: **Operator:**

VER (Total Fluids) Well Heads

On / Off?					Comments (clean pump, leaks, adjust pressure, vault condition, etc.):
	TF-1A	**TF-1B**	**TF-1C**	**TF-1D**	
	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-1A-L	PI-S-1B-L	PI-S-1C-L	PI-S-1D-L	PI-S-1E-L	
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-2A-L	PI-S-2B-L	PI-S-2C-L	PI-S-2D-L	PI-S-2E-L	
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-3A-L	PI-S-3B-L	PI-S-3C-L	PI-S-3D-L	PI-S-3E-L	
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-4A-L	PI-S-4B-L	PI-S-4C-L	PI-S-4D-L	PI-S-4E-L	
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-5A-L	PI-S-5B-L	PI-S-5C-L	PI-S-5D-L	PI-S-5E-L	
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-6A-L	PI-S-6B-L	PI-S-6C-L	PI-S-6D-L	PI-S-6E-L	
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-7A-L	PI-S-7B-L	PI-S-7C-L	PI-S-7D-L	
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-8A-L	PI-S-8B-L	PI-S-8C-L	PI-S-8D-L	
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?					Comments/Adjustments:
	TF-1A	**TF-1B**	**TF-1C**	**TF-1D**	
	Total _____	Total _____	Total _____	Total _____	
	In. Water _____	In. Water _____	In. Water _____	In. Water _____	
	In. Product _____	In. Product _____	In. Product _____	In. Product _____	
On / Off?	**TF-2A**	**TF-2B**	**TF-2C**	**TF-2D**	**Comments/Adjustments:**
	Total _____	Total _____	Total _____	Total _____	
	In. Water _____	In. Water _____	In. Water _____	In. Water _____	
	In. Product _____	In. Product _____	In. Product _____	In. Product _____	
On / Off?	**TF-3A**	**TF-3B**	**TF-3C**	**TF-3D**	**Comments/Adjustments:**
	Total _____	Total _____	Total _____	Total _____	
	In. Water _____	In. Water _____	In. Water _____	In. Water _____	
	In. Product _____	In. Product _____	In. Product _____	In. Product _____	
On / Off?	**TF-4A**	**TF-4B**	**TF-4C**	**TF-4D**	**Comments/Adjustments:**
	Total _____	Total _____	Total _____	Total _____	
	In. Water _____	In. Water _____	In. Water _____	In. Water _____	
	In. Product _____	In. Product _____	In. Product _____	In. Product _____	
On / Off?	**TF-5A**	**TF-5B**	**TF-5C**	**TF-5D**	**Comments/Adjustments:**
	Total _____	Total _____	Total _____	Total _____	
	In. Water _____	In. Water _____	In. Water _____	In. Water _____	
	In. Product _____	In. Product _____	In. Product _____	In. Product _____	
On / Off?	**TF-6A**	**TF-6B**	**TF-6C**	**TF-6D**	**Comments/Adjustments:**
	Total _____	Total _____	Total _____	Total _____	
	In. Water _____	In. Water _____	In. Water _____	In. Water _____	
	In. Product _____	In. Product _____	In. Product _____	In. Product _____	
On / Off?	**TF-7A**	**TF-7B**	**TF-7C**	**TF-7D**	**Comments/Adjustments:**
	Total _____	Total _____	Total _____	Total _____	
	In. Water _____	In. Water _____	In. Water _____	In. Water _____	
	In. Product _____	In. Product _____	In. Product _____	In. Product _____	
	TF-7E	**TF-7F**			
	Total _____	Total _____			
	In. Water _____	In. Water _____			
	In. Product _____	In. Product _____			

Other Comments:

Review Avenue - Monthly System Tracking Sheet

Date: **Operator:**

Skimmer Well Heads - Jar Test: Observations from Sample Ports

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

Other Comments:

Review Avenue - Monthly Compliance Sampling Tracking Sheet

Date: **Operator:**

Vapor Phase Compliance Sampling

Location	Sample Port	PID Reading	Sample ID	Date / Time
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

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

Comments

Job Name: _____ Page 1 of 1
Job Number: _____ Date: _____ Time: _____
Calibration By: _____
(Signature)
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 # _____	☒ ºC or ☐ ºF	-	-	____ ☒ ºC or ☐ ºF			
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	3hr Check 3hr Check			____ 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			
"	"								
☒ PID or ☐ FID MiniRae _____		0 Gas - Air	0 ppm	-	-	_____ ppm			
		isobutylene span	100 ppm (span)			_____ ppm (span)			

AquaPhoenix pH/Temp Chart

ºC	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

ºC	mg/L	ºC	mg/L	ºC	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

Groundwater Sampling Form

Job Name: _____

Job Number: _____ **Well Number:** _____

WELL PURGING INFORMATION

PURGE VOLUME

Low Flow Method: ☐

3 to 5 Volume Purge Method: ☐

Number of Well Volumes to be Purged: _____

Well Type: Monitor ☐ Other ☐

Well Material: PVC ☐ Stainless Steel ☐ Steel ☐

Casing Diameter (D in Inches): _____

Well Depth (ft BTOC): _____

Screen Interval in Feet (BTOC) from _____ to _____

PURGE METHOD

Bailer - Type: _____

Submersible ☐ Centrifugal ☐

Bladder ☐ Peristaltic ☐

PUMP INTAKE SETTING

Near Top ☐

Center ☐

Near Bottom ☐

PURGE VOLUME CALCULATIONS

(_____ - _____) x _____ ^{2} x _____ x 0.0408 = _____ Gallons

TD WL D No. Volumes Calculated Purge Volume

Purge Water Disposal: Drum ☐ Type _____ Other ☐ _____

Size _____

INSTRUMENT IDENTIFICATION RECORD AND FIELD MEASUREMENTS

Instrument Type: Horiba U-52 Depth to Water: _____ Time: _____ Date: _____

Serial Number: _____ Depth to Bottom of Well: _____ PID Reading (inside of Casing): _____

For Calibration Information, See Instrument Calibration Record Sheet Dated: _____

FIELD PARAMETER MEASURMENTS

Recorded By: _____ (Signature) Sampled By: _____ Purge Start Time: _____

Time	Rate ☐ lpm ☐ gpm	pH (S.U.)		Cond. (ms/cm)		Turbidity (NTUs)		Diss. O_2 (mg/L)		Temp (°C)		Salinity (%)		Redox (mV)		Depth to Water (ft)		Comments
		Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	
		0.1 Unit		3%		10%		10%		3%		NA		10 mV		0.3 ft		
			-		-		-		-		-		-		-		-	

Note: > = Greater Than < = Less Than NM = Not Measured EF = Equipment Failure

OBSERVATIONS DURING WELL PURGING

Total Volume Purged: _____

Well Condition: See well inspection log

Color of GW: _____

Sample ID: _____

Odor: _____

Other: _____

Sample ID: _____

PROJECT NAME: _____ DATE: _____ Page ____ of ____

PROJECT NO : _____ TASK NO: _____

amec foster wheeler

Well Number	Date	Time	Depth from TIC to Water (feet)	Depth from TIC to Product (feet) LNAPL / DNAPL	Depth from TIC to Bottom (feet)	Measured by:	Comments: Calibration data found on Instrument Calibration Record

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

TestAmerica Edison
777 New Durham Road

Edison, NJ 08817-2859
phone 732.549.3900 fax 732.549.3679

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	**Project Manager:**	**Site Contact:**	**Date:**	COC No:
Your Company Name here	**Tel/Fax:**	**Lab Contact:**	**Carrier:**	_____ of _____ COCs
Address	**Analysis Turnaround Time**			Sampler:
City/State/Zip	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Phone	TAT if different from Below _____			Walk-in Client:
FAX	☐ 2 weeks			Lab Sampling:
Project Name:	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	**Sample Date**	**Sample Time**	**Sample Type (C=Comp, G=Grab)**	**Matrix**	**# of Cont.**	**Filtered Sample (Y / N)**	**Perform MS / MSD (Y / N)**															Sample Specific Notes:

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: