

February 18, 2025

Jolene Lozewski, P.G.
Professional Geologist
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7015

Re: 2024 Annual System Status Report
Sub-Slab Depressurization System
Former United Stellar Industries Site (#130115)
131 Sunnyside Boulevard, Plainview, New York

Dear Ms. Lozewski:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 131 Sunnyside LLC (Owner), has prepared this 2024 Annual System Status Report for the Sub-Slab Depressurization System (SSDS) at the Former United Stellar Industries Site (NYSDEC Site #130115) located at 131 Sunnyside Boulevard, Plainview, New York (Site). This report provides documentation of all monitoring activities and data evaluation conducted during the reporting period of January 1, 2024, through December 31, 2024.

Background

The SSDS at the Site previously operated as a Vapor Recovery System (VRS). On May 11, 2005, Arcadis of New York, Inc. (Arcadis) submitted a letter report summarizing the results of a pilot test for the VRS to the New York State Department of Environmental Conservation (NYSDEC). The VRS was restarted and is operating in accordance with the VRS pilot test extension letter originally submitted to the NYSDEC on September 7, 2005, and modified based on the following:

- Revised VRS pilot test extension letter submitted by Arcadis on November 18, 2005, based on NYSDEC comments, dated October 11, 2005.
- Arcadis responses, dated May 15, 2006, based on NYSDEC comments, dated February 2, 2006.

On September 22, 2009, the NYSDEC accepted the system modifications proposed by Arcadis in the August 20, 2009 submittal, "Air Emission Regulatory Review and Current Status, Related Calculations, and Proposed Modifications to Current System Configuration and Monitoring Procedures" (Regulatory Review). As recommended in the Regulatory Review, the vapor phase granular activated carbon (VPGAC) was taken off-line on December 3, 2009, and the frequency of performance and compliance monitoring was decreased from monthly to quarterly beginning with the fourth quarter of 2009. No complications were encountered during the system modification.

A System Status Report covering the reporting period of July 2012 through December 2014 was submitted on April 14, 2015 by Arcadis. Recommendations made in the report to operate the VRS as a SSDS were accepted by the NYSDEC, with concurrence from the New York State Department of Health (NYSDOH), in a letter dated April 30, 2015. Therefore, the system is hereafter referred to as the SSDS.

Sub-Slab Depressurization System Operation

The SSDS consists of three vacuum extraction locations (SVE-1, SVE-2 and SVE-3), six induced vacuum/vapor monitoring points (MP-1 through MP-6), a 5-horsepower regenerative blower, and a moisture separator. As previously discussed, the two 400-pound VPGACs were removed from system operation on December 3, 2009. Control valves, monitoring gauges, and sample ports were installed as necessary to adjust system operation and provide a means for collecting the data provided within this report. The SSDS also includes a separate extraction point with a dedicated RadonAway model GP-501 fan that was installed in an electrical room in the northeast portion of the building in September 2021 to address an inadequate induced vacuum condition observed in this area.

The SSDS was shut off on February 27, 2024 in preparation of the passive soil gas sampling scheduled to begin on March 6, 2024. On March 8, 2024, the SSDS was turned back on because the sampling was rescheduled. The SSDS was shut off on April 18, 2024 in preparation of the passive soil gas sampling scheduled to begin on April 24, 2024. The sampling was completed on May 10, 2024 and the SSDS was turned back on. Pre-shutdown and post-startup inspections were performed on these dates. An additional post-startup inspection was performed on May 15, 2024.

Operational data collected during the quarterly monitoring events are summarized in Table 1. First, second, third, and fourth quarter data were collected by Roux on March 25, 2024; June 28, 2024; September 27, 2024; and December 31, 2024. In addition, vacuum measurements were recorded from the six monitoring points during the periodic monitoring events on May 15, 2024; July 24, 2024; October 24, 2024; and November 27, 2024. A summary and analysis of performance monitoring data is provided below.

Results

Operational measurements including applied vacuum levels at each extraction point and extraction air flow rates are summarized in Table 1. Figure 1 depicts locations of the vacuum extraction wells, vacuum/vapor monitoring points, and associated measurements collected during the 2024 reporting period.

In summary, the SSDS is operating as designed. Key observations are as follows:

- Air flow rates at the vacuum extraction points measured during this reporting period ranged from approximately 72.0 to 229.0 actual cubic feet per minute (acfm).
- SSDS wellhead vacuum measurements (i.e., negative pressure) during this reporting period ranged from -20.0 to -52.0 inches water column (iwc). The separate RadonAway fan was operating at its expected setpoint of -4.0 iwc.
- Induced vacuum levels (i.e., negative pressure) measured at monitoring point locations (MP-1 through MP-6) indicate that all 24 induced vacuum measurements recorded during the 2024 reporting period exhibited adequate negative pressure (e.g., -0.004 iwc or less). The readings ranged from -0.005 to -0.267 iwc.

SSDS operations and maintenance forms, and photos of system components, are included in Attachment 1.

Conclusions and Recommendations

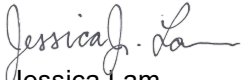
Based on the results provided herein, Roux concludes the following:

- The SSDS operated as intended (i.e., effectively maintaining a negative pressure beneath the building slab).
- Operation of the SSDS should be continued in order to maintain a negative pressure beneath the building slab.
- Collection of quarterly induced vacuum measurements should be continued to evaluate the ongoing effectiveness of the SSDS in maintaining a negative pressure beneath the building slab.

Should you have any comments or questions, please do not hesitate to contact us directly.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.


Jessica Lam
Project Geologist


Noelle Clarke, P.E.
Principal Engineer


Joseph Duminuco, P.G.
Executive Vice President

Attachments

Table 1. System Operational Data, Vapor Recovery System, United Stellar Industries Site, Plainview, New York

Date	SVE - 1 Extraction Well Parameters			SVE - 2 Extraction Well Parameters			SVE - 3 Extraction Well Parameters		
	Wellhead Vacuum (in.W.C.)	Air Velocity (fpm)	Air Flow Rate ⁽²⁾ (acfm)	Wellhead Vacuum (in.W.C.)	Air Velocity (fpm)	Air Flow Rate ⁽²⁾ (acfm)	Wellhead Vacuum (in.W.C.)	Air Velocity (fpm)	Air Flow Rate ⁽²⁾ (acfm)
3/25/2024	-30.0	3,143	72.0	-52.0	8,175	187.2	-45.0	Exceeded Instrument Limit	NA
5/15/2024	-21.0	NA	NA	-48.0	NA	NA	-40.0	NM	NA
6/28/2024	-20.0	6,755	154.7	-47.0	9,594	219.7	-40.0	9,850	225.6
7/24/2024	-20.0	NA	NA	-47.0	NA	NA	-40.0	NM	NA
9/27/2024	-20.0	6,682	153.0	-46.0	9,549	218.7	-40.0	5,819	133.2
10/24/2024	-20.0	NA	NA	-47.0	NA	NA	-40.0	NM	NA
11/27/2024	-20.0	NA	NA	-47.0	NA	NA	-40.0	NM	NA
12/31/2024	-30.0	8,065	184.7	-52.0	5,820	133.3	-45.0	7,461	170.8

Table 1. System Operational Data, Vapor Recovery System, United Stellar Industries Site, Plainview, New York

Blower Parameters ⁽⁴⁾		GAC 500 Parameters ⁽³⁾				Discharge Parameters				
Date	Influent Vacuum (in.W.C.)	Influent Pressure (in.W.C.)	Influent Temperature (Degrees F)	Air Velocity (fpm)	Air Flow Rate ⁽²⁾ (acfm)	PID Measured Concentration (ppmv)	Discharge Pressure (in.W.C.)	Discharge Temperature (Degrees F)	Air Velocity (fpm)	Air Flow Rate ⁽²⁾ (acfm)
3/25/2024	-73.0	NA	NA	NA	NA	NA	NM	93.2	1,726	154.3
5/15/2024	-68.0	NA	NA	NA	NA	NA	NM	NM	NM	NA
6/28/2024	-68.0	NA	NA	NA	NA	NA	NM	NM	1,710	152.9
7/24/2024	-67.0	NA	NA	NA	NA	NA	NM	NM	NM	NA
9/27/2024	-68.0	NA	NA	NA	NA	NA	NM	108.1	1,392	124.5
10/24/2024	-68.0	NA	NA	NA	NA	NA	NM	NM	NM	NA
11/27/2024	-68.0	NA	NA	NA	NA	NA	NM	NM	NM	NA
12/31/2024	-74.0	NA	NA	NA	NA	NA	NM	80.4	1,476	132.0

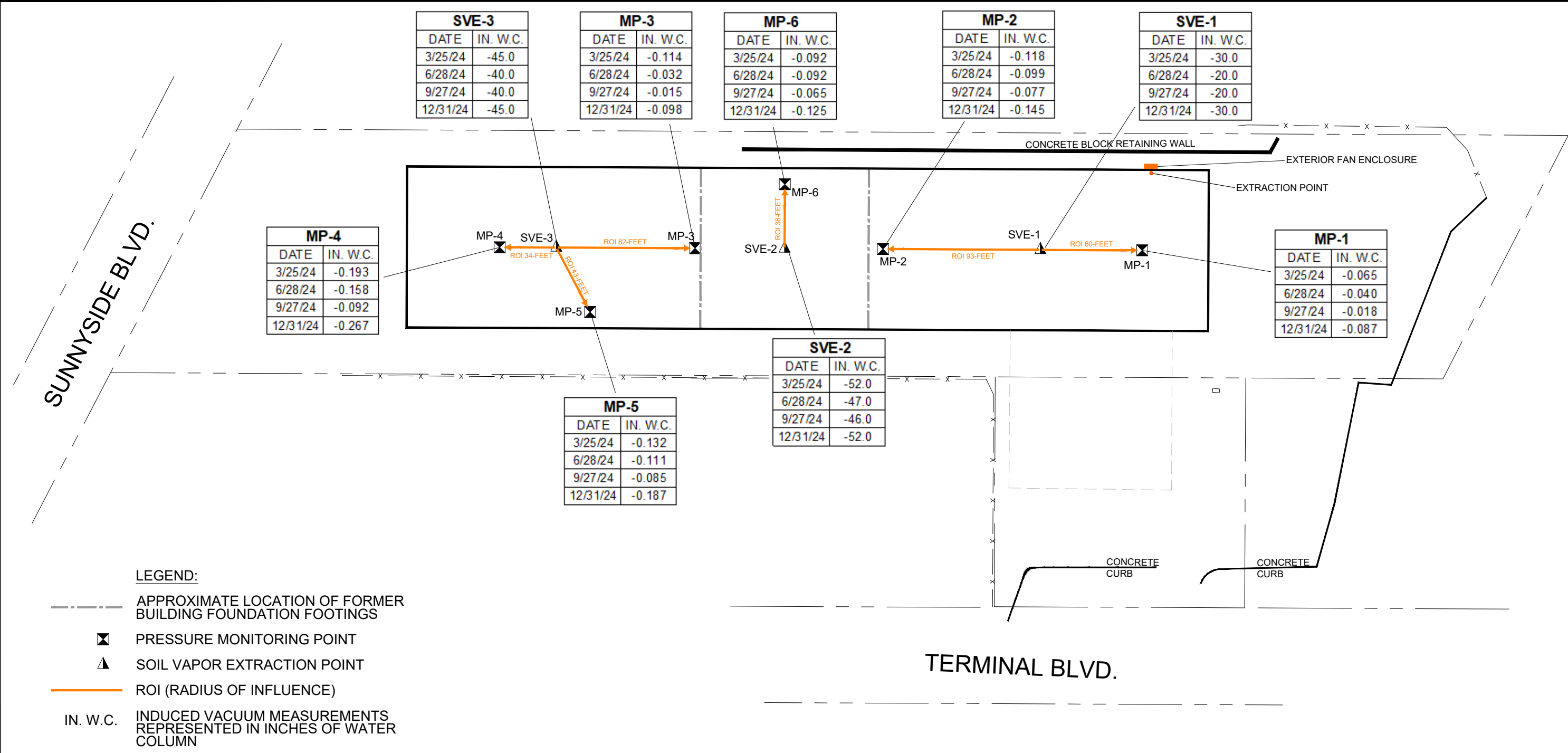
Table 1. System Operational Data, Vapor Recovery System, United Stellar Industries Site, Plainview, New York

Date	Induced Vacuum Measurements					
	MP-1	MP-2	MP-3	MP-4	MP-5	MP-6
	(in.W.C.)	(in.W.C.)	(in.W.C.)	(in.W.C.)	(in.W.C.)	(in.W.C.)
3/25/2024	-0.065	-0.118	-0.114	-0.193	-0.132	-0.092
5/15/2024	-0.065	-0.108	-0.005	-0.165	-0.102	-0.080
6/28/2024	-0.040	-0.099	-0.032	-0.158	-0.111	-0.092
7/24/2024	-0.075	-0.044	-0.045	-0.224	-0.126	-0.106
9/27/2024	-0.018	-0.077	-0.015	-0.092	-0.085	-0.065
10/24/2024	-0.088	-0.150	-0.088	-0.018	-0.142	-0.100
11/27/2024	-0.050	-0.120	-0.018	-0.047	-0.100	-0.085
12/31/2024	-0.087	-0.145	-0.098	-0.267	-0.187	-0.125

Notes and Abbreviations:

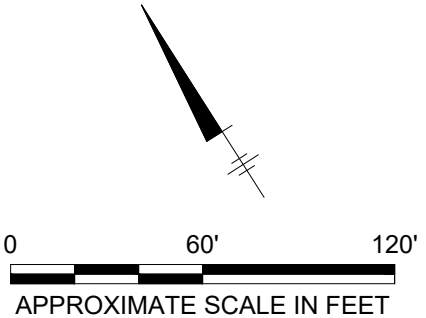
acfm	actual cubic feet per minute
ftpm	feet per minute
in. W.C	inches of water column
NA	not applicable
NM	not measured
NYSDEC	New York State Department of Environmental Conservation
ppmv	parts per million by volume

1. Data in this table corresponds to the current reporting period (January 1, 2024 to December 31, 2024).
2. The air flow rate was calculated by multiplying the measured air velocity in feet per minute by the cross sectional area of the pipe.
3. Per NYSDEC approval the vapor phase carbon treatment (GAC 500) was removed from system operation on December 3, 2009.
4. Gauge range is too high to record effluent pressure losses since the carbon treatment was removed.



NOTES:

1. THE LOCATION OF WELLS SURVEYED BY DONALD G. DEKENIPP L.S., P.C. PROFESSIONAL LAND SURVEYOR, 222 GREENE AVENUE, SAYVILLE, NY, 11782, ON JUNE 1, 5, AND 7, 2018.
2. ALL LOCATIONS ARE APPROXIMATE.
3. BASE MAP OBTAINED FROM FIGURE 3, CONSTRUCTION COMPLETION REPORT, ARCADIS OF NEW YORK, INC., JUNE 16, 2020.



FORMER UNITED STELLAR INDUSTRIES SITE
131 SUNNYSIDE BOULEVARD
PLAINVIEW, NEW YORK

ROUX

Compiled by: J.L. Date: 01/23/2025
Project Mgr: J.L. Scale: AS SHOWN

FIGURE
1

2024 Annual System Status Report
Former United Stellar Industries Site (#130115)
131 Sunnyside Boulevard, Plainview, New York

ATTACHMENT 1

SSDS Operations and Maintenance Forms and
Photos of System Components

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	1/31/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Periodic Visual Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or _____ the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected.					
other comments about the system: _____					
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-70				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	Not Measured				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	Not Measured				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-32	Not Measured			
SVE-2	-53	Not Measured			
SVE-3	-46	Not Measured			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	Not Measured				
MP-2	Not Measured				
MP-3	Not Measured				
MP-4	Not Measured				
MP-5	Not Measured				
MP-6	Not Measured				

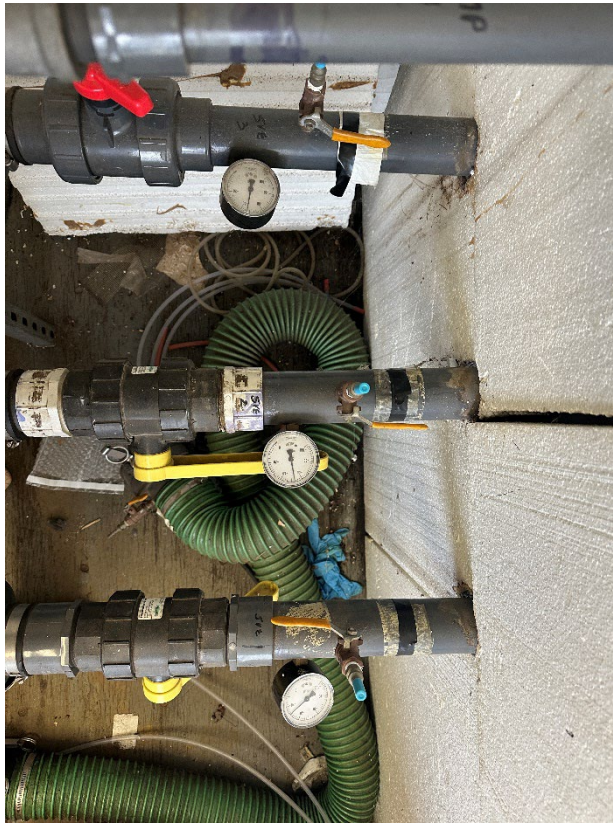
in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View inside of the SSDS trailer.



Photograph 2: View of the knockout tank.



Photograph 3: View of the SSDS vacuum gauges.



Photograph 4: View of the blower and interior piping.



Photograph 5: View of the blower vacuum gauge.



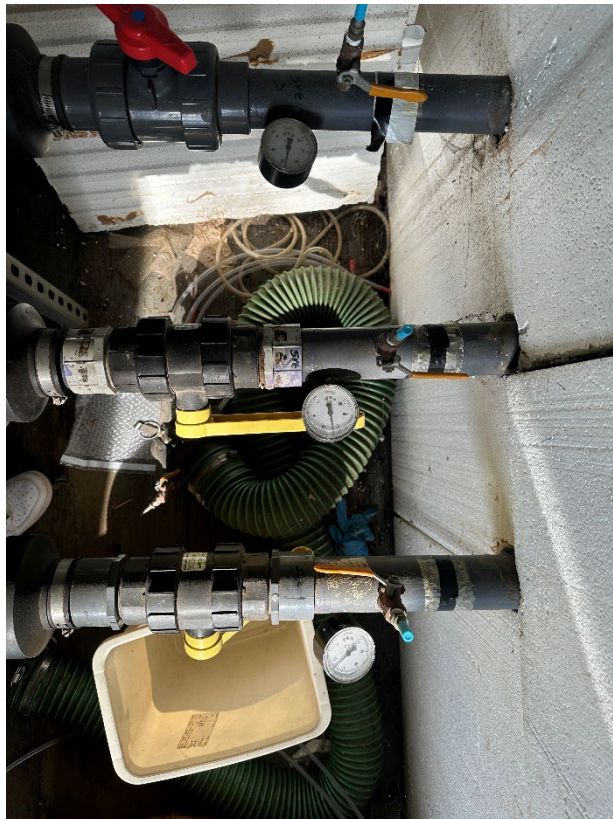
Photograph 6: View of the SSDS components.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	2/27/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Periodic Visual/Pre-Shutdown Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	___
Are any warning lights on? (Please list those that are on)			___	X	___
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA
Is the blower enclosure in good condition?			X	___	___
Are the valves (at blower and aboveground piping) in good condition?			X	___	___
Is the vacuum filter in good condition?			X	___	___
Does the knock-out tank need to be drained? (Record amount drained)			X	___	2 gallons
Are vacuum/pressure gauges at blower operating properly?			X	___	___
Is exterior piping free of cracks, leaks, and support issues?			X	___	___
Is interior piping free of cracks, leaks, and support issues?			X	___	___
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected.
other comments about the system:					the SSDS was shutoff in preparation of the proposed passive soil gas sampling scheduled for March 6, 2024.
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-72				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	Not Measured				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-30	Not Measured			
SVE-2	-52	Not Measured			
SVE-3	-46	Not Measured			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	Not Measured				
MP-2	Not Measured				
MP-3	Not Measured				
MP-4	Not Measured				
MP-5	Not Measured				
MP-6	Not Measured				

in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the knockout tank.



Photograph 2: View of the SSDS vacuum gauges.



Photograph 3: View of the blower vacuum gauge.



Photograph 4: View of the u-tube reading associated with the GP-501 fan.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	3/8/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Periodic Visual/Post Startup Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected.
other comments about the system:					the SSDS was turned back on as the proposed passive soil gas sampling was rescheduled.
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-74				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	Not Measured				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-32	Not Measured			
SVE-2	-54	Not Measured			
SVE-3	-47	Not Measured			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	Not Measured				
MP-2	Not Measured				
MP-3	Not Measured				
MP-4	Not Measured				
MP-5	Not Measured				
MP-6	Not Measured				

in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



Photograph 3: View of the blower.



Photograph 4: View of the u-tube reading associated with the GP-501 fan.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM			
Site Name: <u>Former United Stellar Industries Site (#130115)</u>		Inspection Date: <u>3/25/2024</u>	
Street Address: <u>131 Sunnyside Boulevard</u>		Inspection Type: <u>Full Quarterly Inspection</u>	
Location: <u>Plainview, New York</u>		Inspection Personnel: <u>Jessica Lam</u>	
System: <u>Active Sub-Slab Depressurization System</u>			
Blower/Fan: <u>Gast 6350A-2 (208-230/460V); RadonAway GP-501</u>			
INSPECTION ITEM DESCRIPTION	Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?	X	___	_____
Are any warning lights on? (Please list those that are on)	___	X	_____
If there is an alarm condition, was it fixed and the system restarted?	___	___	NA _____
Is the blower enclosure in good condition?	X	___	_____
Are the valves (at blower and aboveground piping) in good condition?	X	___	_____
Is the vacuum filter in good condition?	X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)	___	X	_____
Are vacuum/pressure gauges at blower operating properly?	X	___	_____
Is exterior piping free of cracks, leaks, and support issues?	X	___	_____
Is interior piping free of cracks, leaks, and support issues?	X	___	_____
List maintenance activities that were performed or _____ the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected;			
other comments about the system: _____ vacuum measurements were recorded from the six monitoring points; and extraction well and blower parameters			
_____ were recorded.			
Gast 6350A-2 Blower Parameters		Comments	
Influent Vacuum (in. w.c.)	-73		
Discharge Temperature (degrees F)	93.2		
Discharge Air Velocity (fpm)	1726		
RadonAway GP501 Parameters		Comments	
U-Tube Level (in. w.c.)	-4		
Extraction Well Parameters		Comments	
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)	
SVE-1	-30	3143	
SVE-2	-52	8175	
SVE-3	-45	9999	
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)	Comments	
MP-1	-0.065		
MP-2	-0.118		
MP-3	-0.114		
MP-4	-0.193		
MP-5	-0.132		
MP-6	-0.092		

in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



Photograph 3: View of the vacuum measurement from MP-1.



Photograph 4: View of the velocity measurement from SVE-2.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	4/18/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Periodic Visual/Pre-Shutdown Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected.
other comments about the system:					the SSDS was shutoff in preparation of the proposed passive soil gas sampling scheduled for April 24, 2024.
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-71				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	Not Measured				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-22	Not Measured			
SVE-2	-50	Not Measured			
SVE-3	-43	Not Measured			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	Not Measured				
MP-2	Not Measured				
MP-3	Not Measured				
MP-4	Not Measured				
MP-5	Not Measured				
MP-6	Not Measured				

in. w.c. - inches of water
fpm - feet per minute



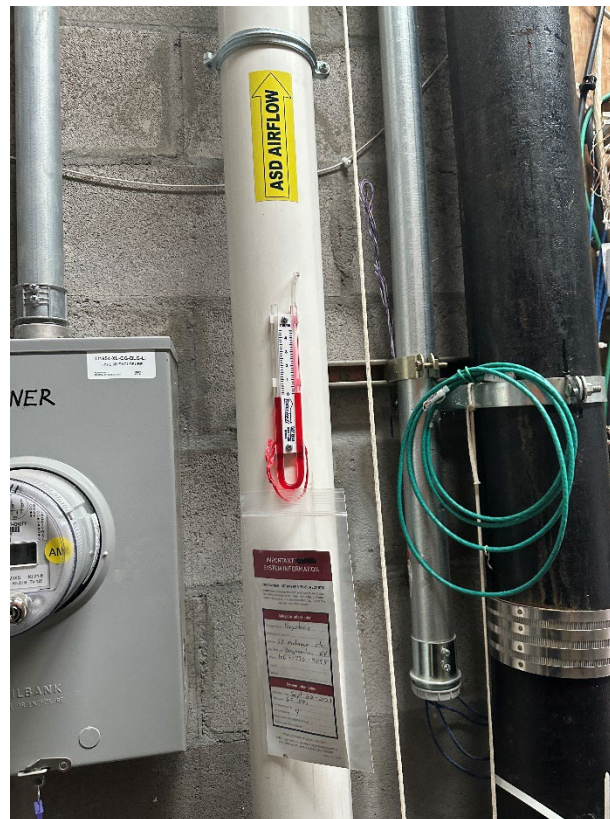
Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



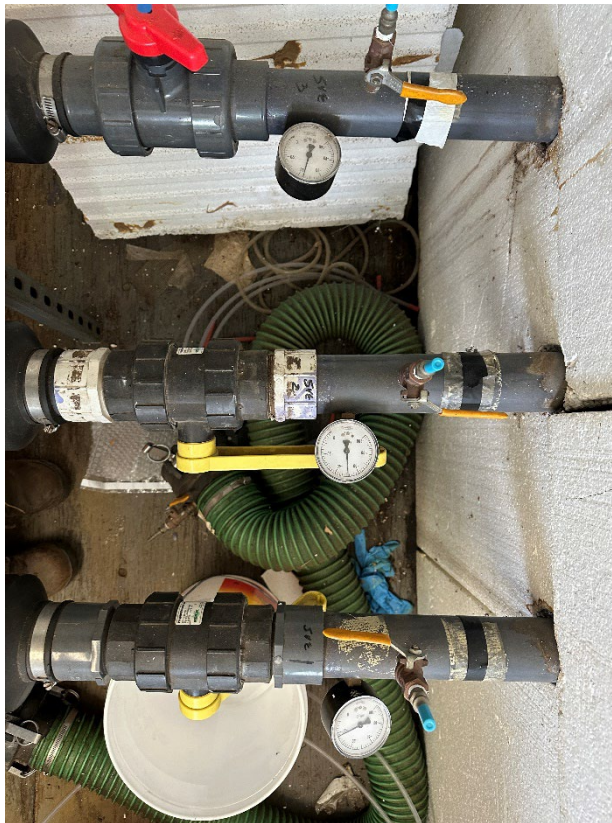
Photograph 3: View of the knockout tank.



Photograph 4: View of the u-tube reading associated with the GP-501 fan.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	5/10/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Periodic Visual/Post Startup Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected.
other comments about the system:					the SSDS was turned back on following completion of the passive soil gas sampling.
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-72				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	Not Measured				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-22	Not Measured			
SVE-2	-51	Not Measured			
SVE-3	-44	Not Measured			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	Not Measured				
MP-2	Not Measured				
MP-3	Not Measured				
MP-4	Not Measured				
MP-5	Not Measured				
MP-6	Not Measured				

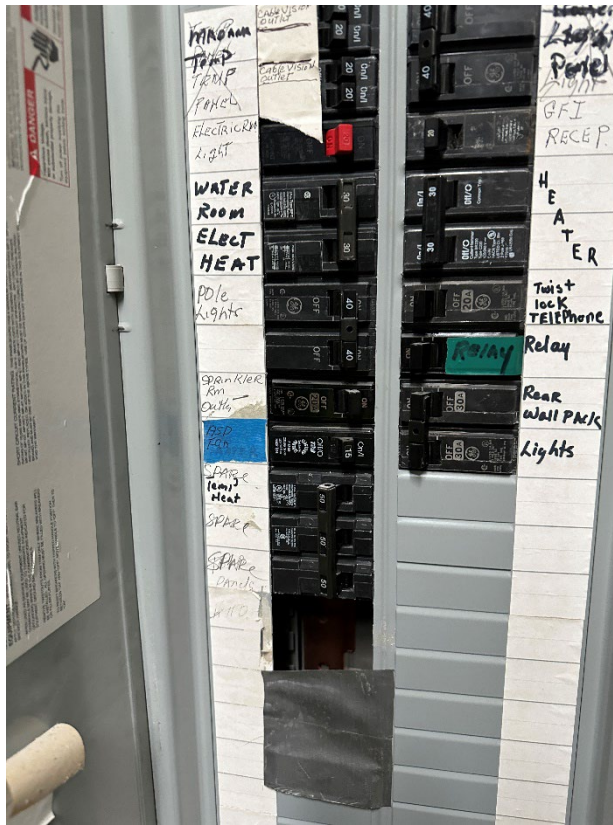
in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



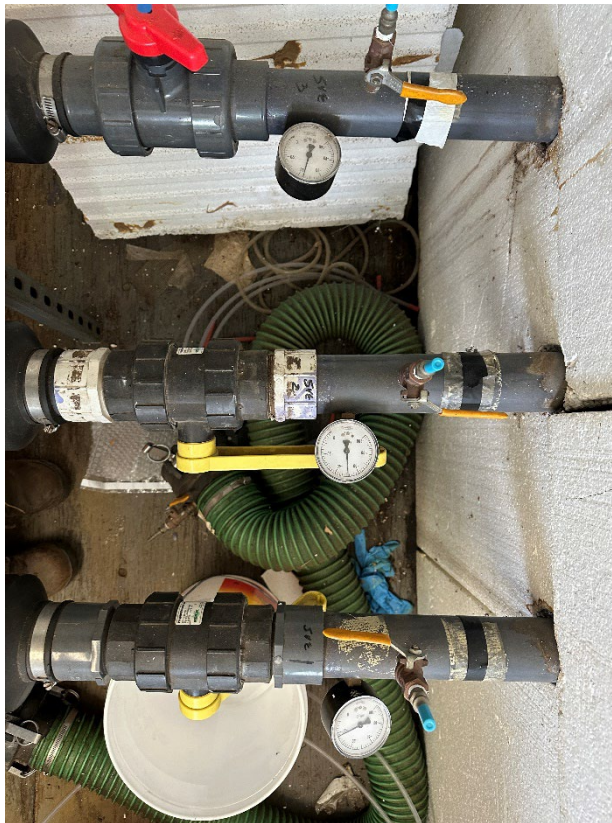
Photograph 3: View of the electrical panel which includes the GP-501 fan.



Photograph 4: View of the u-tube reading associated with the GP-501 fan.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	5/15/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Periodic Visual/Post Startup Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected;
other comments about the system:					vacuum measurements were recorded from the six monitoring points.
					SSDS components were rechecked five days following startup.
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-68				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	Not Measured				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-21	Not Measured			
SVE-2	-48	Not Measured			
SVE-3	-40	Not Measured			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	-0.053				
MP-2	-0.108				
MP-3	-0.005				
MP-4	-0.165				
MP-5	-0.102				
MP-6	-0.080				

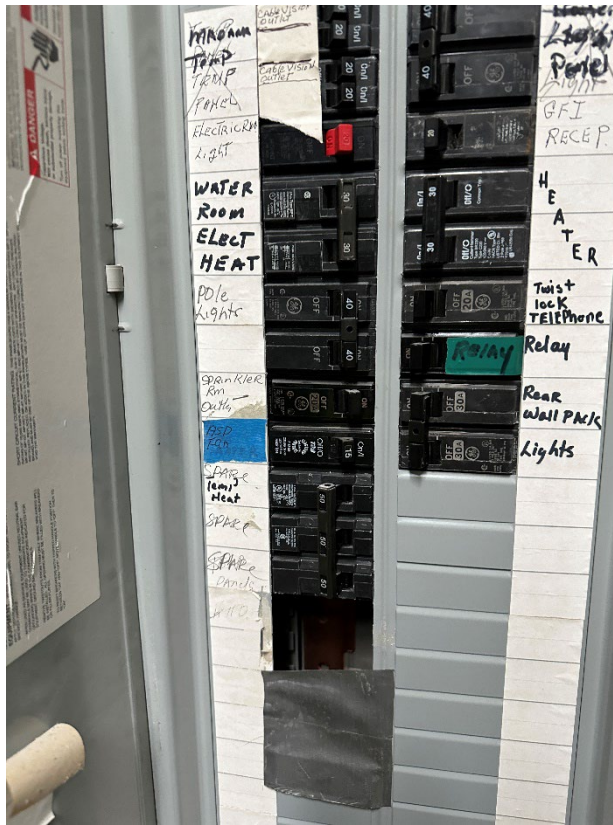
in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



Photograph 3: View of the electrical panel which includes the GP-501 fan.



Photograph 4: View of the u-tube reading associated with the GP-501 fan.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	6/28/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Full Quarterly Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected;
other comments about the system:					vacuum measurements were recorded from the six monitoring points; and extraction well and blower parameters
					were recorded. Waste characterization samples were collected from three drums containing spent carbon,
					condensate water, and purge water.
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-68				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	1710				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-20	6755			
SVE-2	-47	9594			
SVE-3	-40	9850			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	-0.040				
MP-2	-0.099				
MP-3	-0.032				
MP-4	-0.158				
MP-5	-0.111				
MP-6	-0.092				

in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



Photograph 3: View of the vacuum measurement from MP-2.



Photograph 4: View of the velocity measurement from SVE-2.



Photograph 5: View of the u-tube reading from the GP-501 fan.



Photograph 6: View of the blower discharge port.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	7/24/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Periodic Visual Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected;
other comments about the system:					vacuum measurements were recorded from the six monitoring points
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-67				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	Not Measured				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-20	Not Measured			
SVE-2	-47	Not Measured			
SVE-3	-40	Not Measured			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	-0.075				
MP-2	-0.044				
MP-3	-0.045				
MP-4	-0.224				
MP-5	-0.126				
MP-6	-0.106				

in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



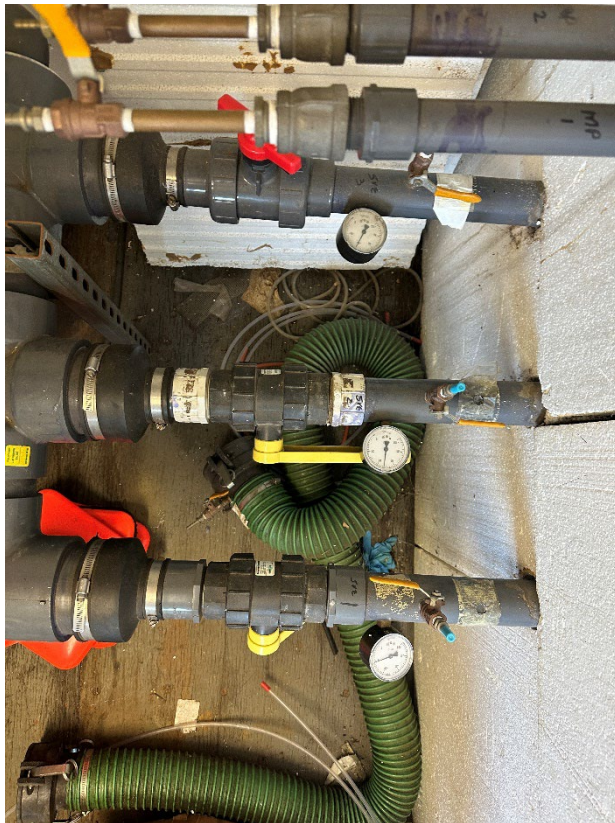
Photograph 3: View of the knockout tank.



Photograph 4: View of the vacuum measurement from MP-6.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM			
Site Name: Former United Stellar Industries Site (#130115)		Inspection Date: 8/29/2024	
Street Address: 131 Sunnyside Boulevard		Inspection Type: Periodic Visual Inspection	
Location: Plainview, New York		Inspection Personnel: Jessica Lam	
System: Active Sub-Slab Depressurization System			
Blower/Fan: Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION	Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?	X		
Are any warning lights on? (Please list those that are on)		X	
If there is an alarm condition, was it fixed and the system restarted?			NA
Is the blower enclosure in good condition?	X		
Are the valves (at blower and aboveground piping) in good condition?	X		
Is the vacuum filter in good condition?	X		
Does the knock-out tank need to be drained? (Record amount drained)		X	
Are vacuum/pressure gauges at blower operating properly?	X		
Is exterior piping free of cracks, leaks, and support issues?	X		
Is interior piping free of cracks, leaks, and support issues?	X		
List maintenance activities that were performed or the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected.			
other comments about the system:			
Gast 6350A-2 Blower Parameters		Comments	
Influent Vacuum (in. w.c.)	-68		
Discharge Temperature (degrees F)	Not Measured		
Discharge Air Velocity (fpm)	Not Measured		
RadonAway GP501 Parameters		Comments	
U-Tube Level (in. w.c.)	-4		
Extraction Well Parameters		Comments	
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)	
SVE-1	-22	Not Measured	
SVE-2	-48	Not Measured	
SVE-3	-41	Not Measured	
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)	Comments	
MP-1	Not Measured		
MP-2	Not Measured		
MP-3	Not Measured		
MP-4	Not Measured		
MP-5	Not Measured		
MP-6	Not Measured		

in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



Photograph 3: View of the blower.



Photograph 4: View of the u-tube reading from the GP-501 fan.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	9/27/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Full Quarterly Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected;
other comments about the system:					vacuum measurements were recorded from the six monitoring points; and extraction well and blower parameters
					were recorded.
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-68				
Discharge Temperature (degrees F)	108.1				
Discharge Air Velocity (fpm)	1392				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-20	6682			
SVE-2	-46	9549			
SVE-3	-40	5819			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	-0.018				
MP-2	-0.077				
MP-3	-0.015				
MP-4	-0.092				
MP-5	-0.085				
MP-6	-0.065				

in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



Photograph 3: View of the vacuum measurement from MP-5.



Photograph 4: View of the velocity measurement from SVE-1.



Photograph 5: View of the u-tube reading from the GP-501 fan.



Photograph 6: View of the blower discharge parameters.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	10/24/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Periodic Visual Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			X	___	_____
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected;
other comments about the system:					vacuum measurements were recorded from the six monitoring points. Three drums containing spent carbon,
					condensate water, and purge water were removed from the site and disposed of.
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-68				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	Not Measured				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-20	Not Measured			
SVE-2	-47	Not Measured			
SVE-3	-40	Not Measured			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)	Comments			
MP-1	-0.088				
MP-2	-0.150				
MP-3	-0.088				
MP-4	-0.018				
MP-5	-0.142				
MP-6	-0.100				

in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



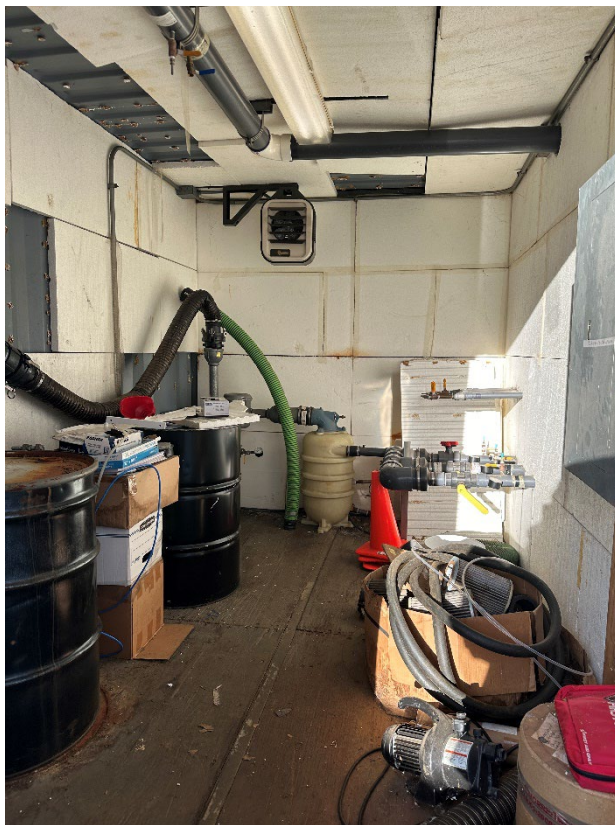
Photograph 3: View of the vacuum measurement from MP-2.



Photograph 4: View of the u-tube reading from the GP-501 fan.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	11/27/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Periodic Visual Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			___	X	Needs replacement
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected;
other comments about the system:					vacuum measurements were recorded from the six monitoring points
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-68				
Discharge Temperature (degrees F)	Not Measured				
Discharge Air Velocity (fpm)	Not Measured				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-20	Not Measured			
SVE-2	-47	Not Measured			
SVE-3	-40	Not Measured			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	-0.050				
MP-2	-0.120				
MP-3	-0.018				
MP-4	-0.047				
MP-5	-0.100				
MP-6	-0.085				

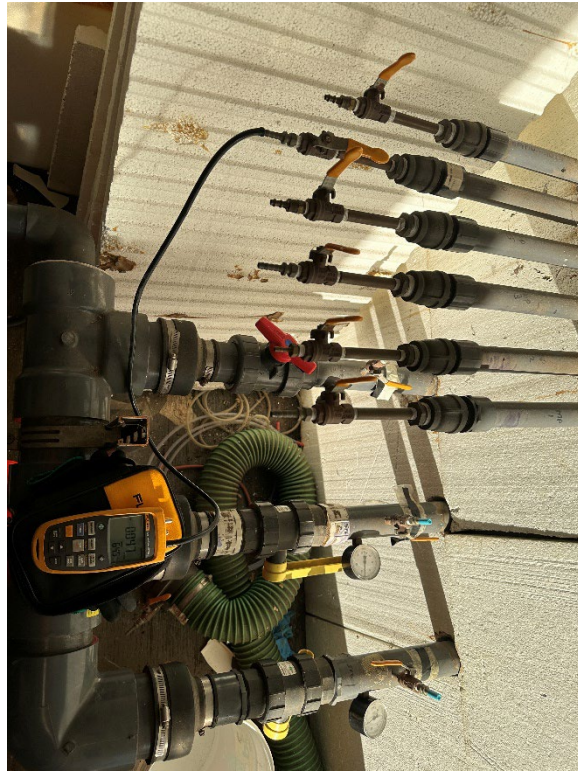
in. w.c. - inches of water
fpm - feet per minute



Photograph 1: View of the inside of the SSDS trailer.



Photograph 2: View of the exterior piping associated with the monitoring points.



Photograph 3: View of the vacuum measurement from MP-4.



Photograph 4: View of the u-tube reading from the GP-501 fan.



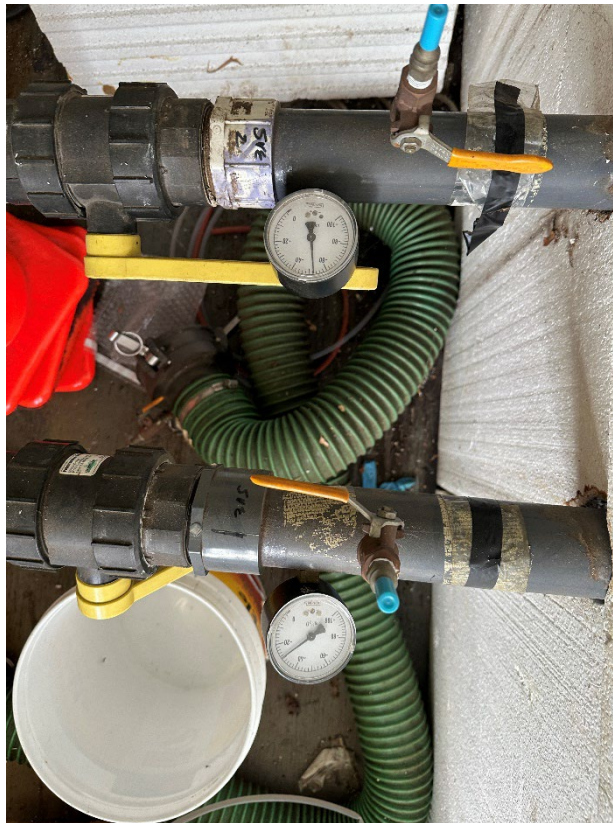
Photograph 5: View of the air filter from the blower.



Photograph 6: View of the blower and knockout tank.

SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS AND MAINTENANCE FORM					
Site Name:		Former United Stellar Industries Site (#130115)		Inspection Date:	12/31/2024
Street Address:		131 Sunnyside Boulevard		Inspection Type:	Full Quarterly Inspection
Location:		Plainview, New York		Inspection Personnel:	Jessica Lam
System:		Active Sub-Slab Depressurization System			
Blower/Fan:		Gast 6350A-2 (208-230/460V); RadonAway GP-501			
INSPECTION ITEM DESCRIPTION			Yes	No	Comments / Actions Taken (list actions taken if "No" is checked)
Is the system operating normally?			X	___	_____
Are any warning lights on? (Please list those that are on)			___	X	_____
If there is an alarm condition, was it fixed and the system restarted?			___	___	NA _____
Is the blower enclosure in good condition?			X	___	_____
Are the valves (at blower and aboveground piping) in good condition?			X	___	_____
Is the vacuum filter in good condition?			___	X	Replacement ordered
Does the knock-out tank need to be drained? (Record amount drained)			___	X	_____
Are vacuum/pressure gauges at blower operating properly?			X	___	_____
Is exterior piping free of cracks, leaks, and support issues?			X	___	_____
Is interior piping free of cracks, leaks, and support issues?			X	___	_____
List maintenance activities that were performed or					the interior and exterior piping, blower, knock-out tank, vacuum/pressure gauges, and valves were inspected;
other comments about the system:					vacuum measurements were recorded from the six monitoring points; and extraction well and blower parameters
					were recorded.
Gast 6350A-2 Blower Parameters			Comments		
Influent Vacuum (in. w.c.)	-74				
Discharge Temperature (degrees F)	80.4				
Discharge Air Velocity (fpm)	1476				
RadonAway GP501 Parameters			Comments		
U-Tube Level (in. w.c.)	-4				
Extraction Well Parameters			Comments		
Extraction Well	Wellhead Vacuum (in. w.c.)	Air Velocity (fpm)			
SVE-1	-30	8065			
SVE-2	-52	5820			
SVE-3	-45	7461			
Soil Vapor Monitoring Point	Induced Vacuum (in. w.c.)		Comments		
MP-1	-0.087				
MP-2	-0.145				
MP-3	-0.098				
MP-4	-0.267				
MP-5	-0.187				
MP-6	-0.125				

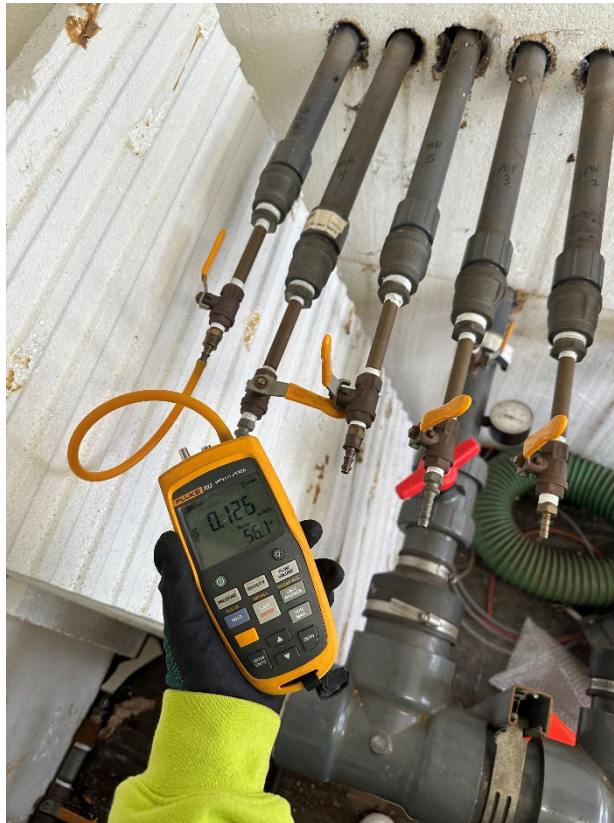
in. w.c. - inches of water
fpm - feet per minute



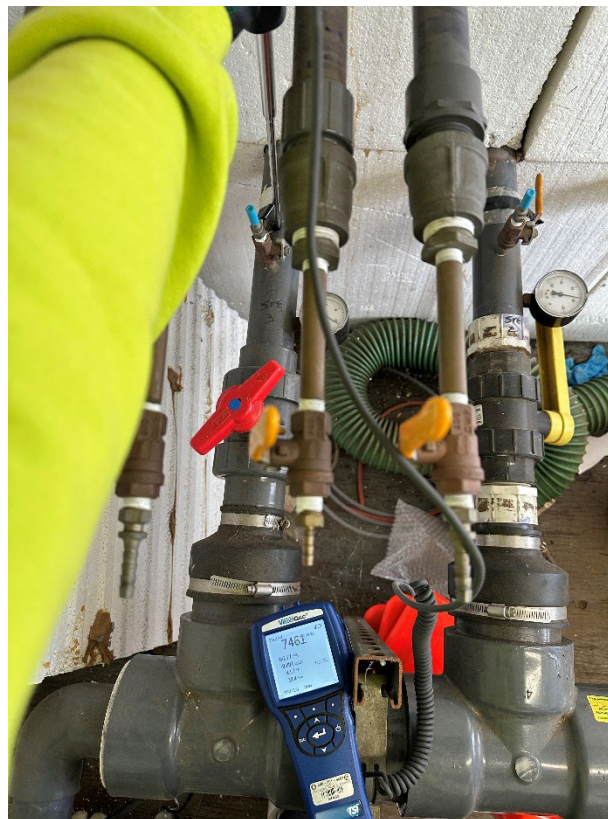
Photograph 1: View of the SSDS vacuum gauges.



Photograph 2: View of the blower vacuum gauge.



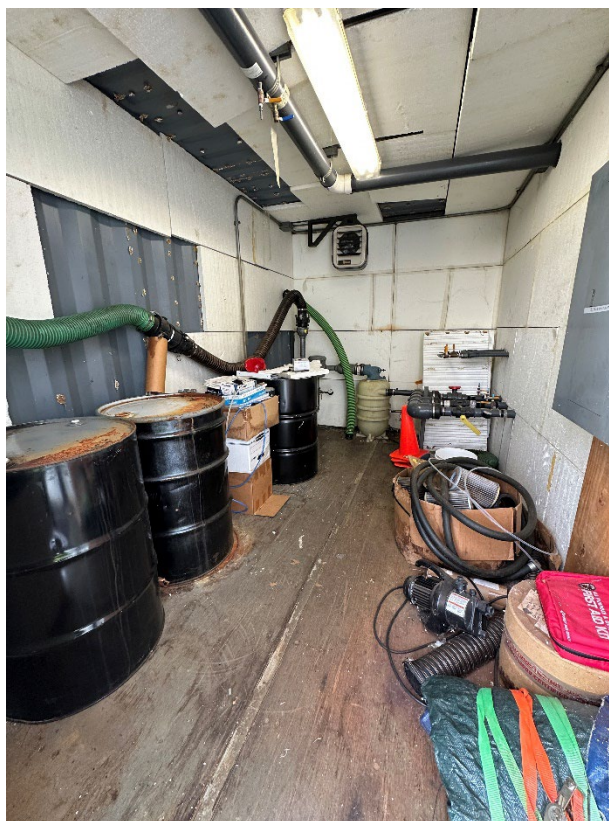
Photograph 3: View of the vacuum measurement from MP-6.



Photograph 4: View of the velocity measurement from SVE-3.



Photograph 5: View of the u-tube reading from the GP-501 fan.



Photograph 6: View of the inside of the SSDS trailer.