

Transmittal Letter



TO
Wendy Curtis
12088 Brewster
Livonia, MI 48150

FROM
Kristoffer Hinskey
248-994-2240
kristoffer.hinskey@arcadis.com

ELECTRONIC COPIES TO
Jeanne Schlaufman (EGLE)
Todd Walton (Ford)
Chuck Pinter (Ford)

DATE
October 4, 2022

PROJECT NUMBER
30146655

SUBJECT
Operation, Monitoring, and
Maintenance Field Notes - 12088 Brewster

We are sending you:

Copies	Delivery Date	Description
1	10/6/2022	Operation, monitoring, and maintenance field notes.

Action*

- | | | |
|---|--|---|
| <input type="checkbox"/> A Approved | <input type="checkbox"/> CR Correct and Resubmit | <input type="checkbox"/> Resubmit ____ Copies |
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Comments:

Attached are the interim preemptive mitigation (IPM) system Operation, Monitoring, and Maintenance (OM&M) field notes. These field notes were recorded during OM&M visits at the property between March 31, 2020 and March 31, 2022. Please let me know if you have any questions.

12088 Brewster, 2020-05-19, Water Inspection

Created	2020-05-19 18:31:59 UTC by Andrew Banitt
Updated	2020-05-28 20:06:56 UTC by Andrew Banitt

General Information

System Inspector	Andrew Banitt
Date	2020-05-19
Time	14:31
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Cloudy
Ambient Temperature	62.96
Barometric Pressure	30.05

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	Yes
Location of Water on Barrier	Middle west side and south wall of crawlspace.
Can the source of water be identified?	No

Water on Barrier



Volume of Water on Barrier (gal)	30
Can water be felt under the barrier?	Yes
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	Yes
Are the drains plugged with well caps?	No
Do the drains need to be cleaned?	No

Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	Yes
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How much water was removed? 23 gallons

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions? Yes

Measurements and Valve Positions

MP-2, 15:32, -0.038

Vacuum ID Link 12088 Brewster, MP-2

Vacuum ID MP-2

Date 2020-05-19

Time 15:32

Vacuum Reading (in. w.c.) -0.038

Number Vacuum Reading -0.038

Were interim vacuum readings taken between initial and final vacuum readings? No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link N/A

Repairs

Sample Delay

Send Sample Delay Email N/A

email body

Repair Completion

Were seam repairs completed during this visit? No

Were system repairs completed during this visit? No

Are there outstanding repairs to be completed? No

Engineer Notification

Send Inspection Completion Email N/A

email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A

email body

Additional Notes and Photos

Notes

Could not find source of water, most likely source is a loose seam.

Photos



12088 Brewster, 2020-05-21, Water Inspection

Created	2020-05-22 15:36:45 UTC by Andrew Banitt
Updated	2020-05-28 20:06:36 UTC by Andrew Banitt

General Information

System Inspector	Andrew Banitt
Date	2020-05-21
Time	16:01
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Fog/Mist
Ambient Temperature	60.98
Barometric Pressure	30.08

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	Yes
Location of Water on Barrier	Middle of west wall and south wall.
Can the source of water be identified?	No

Water on Barrier





Volume of Water on Barrier (gal)	3
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	Yes
Are the drains plugged with well caps?	No
Do the drains need to be cleaned?	No

Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	Yes
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How much water was removed? 3 gallons

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions? Yes

Building Condition Comments: Good

Measurements and Valve Positions

MP-2, 16:24, -0.040

Vacuum ID Link 12088 Brewster, MP-2

Vacuum ID MP-2

Date 2020-05-22

Time 16:24

Vacuum Reading (in. w.c.) -0.040

Number Vacuum Reading -0.04

Were interim vacuum readings taken between initial and final vacuum readings? No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link N/A

Repairs

Sample Delay

Send Sample Delay Email N/A

email body

Repair Completion

Were seam repairs completed during this visit? No

Were system repairs completed during this visit? No

Are there outstanding repairs to be completed? Yes

Repair Status Not completed

Engineer Notification

Send Inspection Completion Email N/A

email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A

email body

Additional Notes and Photos

Notes

Water likely coming from seam shown in pictures below.

Photos





12088 Brewster, 2020-06-29, Water Inspection

Created	2020-06-29 14:14:44 UTC by Heather Woodrum
Updated	2020-06-29 14:51:11 UTC by Heather Woodrum

General Information

System Inspector	Heather Woodrum
Date	2020-06-29
Time	10:14
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Mostly Cloudy
Ambient Temperature	73.94
Barometric Pressure	30.00

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	Yes
Location of Water on Barrier	In front of crawl space entrance, center of crawl space low spots
Can the source of water be identified?	No

Water on Barrier









Volume of Water on Barrier (gal)	2
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	Yes
Are the drains plugged with well caps?	No
Do the drains need to be cleaned?	No

Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	Yes
How much water was removed?	4.5 gal

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

MP-2, 10:15, -0.023

Vacuum ID Link	12088 Brewster, MP-2
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Vacuum ID	MP-2
Date	2020-06-29
Time	10:15
Vacuum Reading (in. w.c.)	-0.023
Number Vacuum Reading	-0.023
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link	N/A
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Repairs

Sample Delay

Send Sample Delay Email	N/A
email body	

Repair Completion

Were seam repairs completed during this visit?	No
Were system repairs completed during this visit?	No
Are there outstanding repairs to be completed?	No

Engineer Notification

Send Inspection Completion Email	N/A
email body	

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text	N/A
email body	

12088 Brewster, 2020-07-13, Water Inspection

Created	2020-07-13 13:26:34 UTC by Patrick Labadie
Updated	2020-07-13 14:18:23 UTC by Patrick Labadie

General Information

System Inspector	Patrick Labadie
Date	2020-07-13
Time	09:26
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Partly Cloudy
Ambient Temperature	69.98
Barometric Pressure	29.96

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	Yes
Location of Water on Barrier	Near north entrance of crawlspace
Can the source of water be identified?	No

Water on Barrier





Volume of Water on Barrier (gal)	7
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	Yes
Are the drains plugged with well caps?	No
Do the drains need to be cleaned?	No

Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	Yes
How much water was removed?	7gal

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

MP-2, 09:37, -0.024

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2020-07-13
Time	09:37
Vacuum Reading (in. w.c.)	-0.024
Number Vacuum Reading	-0.024
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link	N/A
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Repairs

Sample Delay

Send Sample Delay Email email body	N/A
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Repair Completion

Were seam repairs completed during this visit?	No
Were system repairs completed during this visit?	No
Are there outstanding repairs to be completed?	No

Engineer Notification

Send Inspection Completion Email N/A

email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A

email body

Additional Notes and Photos

Notes No water felt under liner or coming from seams. Water source is unknown. All other mps and ssmps and utube are not accessible at this time.

12088 Brewster, 2020-07-16, Water Inspection

Created	2020-07-16 17:58:45 UTC by Andrew Banitt
Updated	2020-07-16 19:57:45 UTC by Andrew Banitt

General Information

System Inspector	Andrew Banitt
Date	2020-07-16
Time	13:58
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Light Rain and Fog/Mist
Ambient Temperature	73.04
Barometric Pressure	29.96

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	No
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	Yes
Are the drains plugged with well caps?	No
Do the drains need to be cleaned?	No

Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	No
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Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

MP-2, 13:59, -0.023

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2020-07-16

Time	13:59
Vacuum Reading (in. w.c.)	-0.023
Number Vacuum Reading	-0.023
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link	N/A
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Repairs

Sample Delay

Send Sample Delay Email	N/A
email body	

Repair Completion

Were seam repairs completed during this visit?	No
Were system repairs completed during this visit?	No
Are there outstanding repairs to be completed?	No

Engineer Notification

Send Inspection Completion Email	N/A
email body	

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text	N/A
email body	

12088 Brewster, 2020-07-20, Water Inspection

Created	2020-07-20 17:15:03 UTC by Patrick Labadie
Updated	2020-07-20 17:22:30 UTC by Patrick Labadie

General Information

System Inspector	Patrick Labadie
Date	2020-07-20
Time	13:15
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Mostly Cloudy
Ambient Temperature	80.06
Barometric Pressure	29.98

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	No
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	Yes
Are the drains plugged with well caps?	Yes
Do the drains need to be cleaned?	No

Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	No
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Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

MP-2, 13:21, -0.022

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2020-07-20

Time	13:21
Vacuum Reading (in. w.c.)	-0.022
Number Vacuum Reading	-0.022
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link	N/A
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Repairs

Sample Delay

Send Sample Delay Email	N/A
email body	

Repair Completion

Were seam repairs completed during this visit?	No
Were system repairs completed during this visit?	No
Are there outstanding repairs to be completed?	No

Engineer Notification

Send Inspection Completion Email	N/A
email body	

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text	N/A
email body	

12088 Brewster, 2020-08-04, Water Inspection

Created	2020-08-04 14:23:28 UTC by Heather Woodrum
Updated	2020-08-04 14:34:23 UTC by Heather Woodrum

General Information

System Inspector	Heather Woodrum
Date	2020-08-04
Time	10:23
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Cloudy
Ambient Temperature	69.98
Barometric Pressure	29.95

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	No
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	Yes
Are the drains plugged with well caps?	No
Do the drains need to be cleaned?	No

Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	No
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Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

MP-2, 10:26, -0.023

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2020-08-04

Time	10:26
Vacuum Reading (in. w.c.)	-0.023
Number Vacuum Reading	-0.023
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link	N/A
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Repairs

Sample Delay

Send Sample Delay Email	N/A
email body	

Repair Completion

Were seam repairs completed during this visit?	No
Were system repairs completed during this visit?	No
Are there outstanding repairs to be completed?	No

Engineer Notification

Send Inspection Completion Email	N/A
email body	

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text	N/A
email body	

Additional Notes and Photos

Notes	Crawl space closed with brick
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Photos



12088 Brewster, 2020-08-31, Water Inspection

Created	2020-08-31 15:01:09 UTC by Emma Witherspoon
Updated	2020-08-31 15:30:22 UTC by Emma Witherspoon

General Information

System Inspector	Emma Witherspoon
Date	2020-08-31
Time	11:01
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	75 degrees F partly cloudy
Ambient Temperature	75
Barometric Pressure	29.89

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	Yes
Location of Water on Barrier	Near entrance of crawl space
Can the source of water be identified?	No

Water on Barrier



Volume of Water on Barrier (gal)	1
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	No
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Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	Yes
How much water was removed?	Approximately 1 gallon

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

11:11, -.026

Date	2020-08-31
Time	11:11
Vacuum Reading (in. w.c.)	-.026
Number Vacuum Reading	-0.026
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link	N/A
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Repairs

Sample Delay

Send Sample Delay Email	N/A
email body	

Repair Completion

Were seam repairs completed during this visit?	No
Were system repairs completed during this visit?	No
Are there outstanding repairs to be completed?	No

Engineer Notification

Send Inspection Completion Email

N/A

email body

Engineer Notification

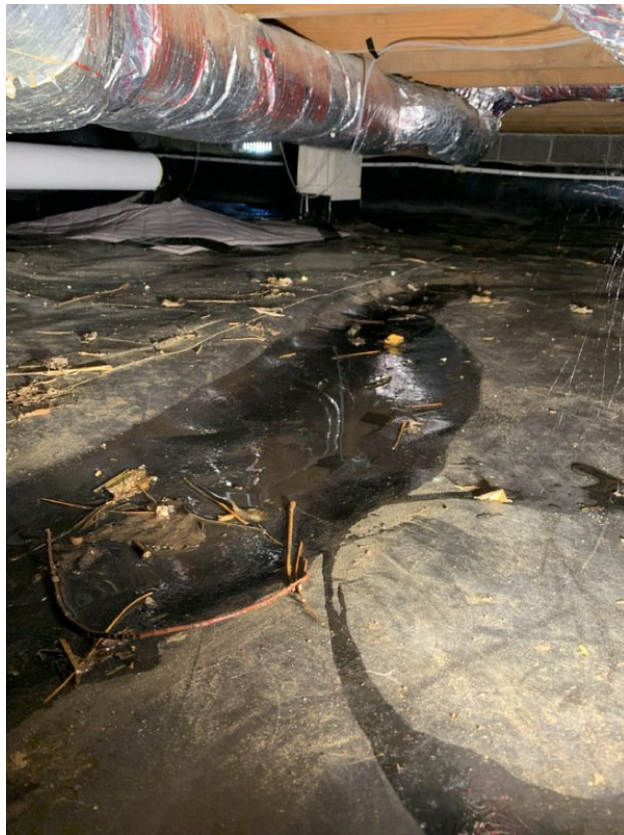
Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text

N/A

email body

Additional Notes and Photos

Photos



12088 Brewster, 2020-09-09, Water Inspection

Created	2020-09-09 14:41:33 UTC by Seth Turner
Updated	2020-09-09 18:52:50 UTC by Seth Turner

General Information

System Inspector	Seth Turner
Date	2020-09-09
Time	10:47
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Fog/Mist
Ambient Temperature	60.08
Barometric Pressure	30.26

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	No
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	No
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Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	No
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Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

MP-1, 10:48, -0.024

Vacuum ID Link	12088 Brewster, MP-1
Vacuum ID	MP-1
Date	2020-09-09
Time	10:48
Vacuum Reading (in. w.c.)	-0.024

Number Vacuum Reading	-0.024
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MP-2, 10:49, -0.021

Vacuum ID Link	12088 Brewster, MP-2
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Vacuum ID	MP-2
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Date	2020-09-09
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Time	10:49
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Vacuum Reading (in. w.c.)	-0.021
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Number Vacuum Reading	-0.021
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Were interim vacuum readings taken between initial and final vacuum readings?	No
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Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link	N/A
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Repairs

Sample Delay

Send Sample Delay Email	N/A
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email body

Repair Completion

Were seam repairs completed during this visit?	No
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Were system repairs completed during this visit?	No
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Are there outstanding repairs to be completed?	No
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Engineer Notification

Send Inspection Completion Email	N/A
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email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text	N/A
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email body

12088 Brewster, 2021-02-24, Full System Inspection

Created	2021-02-24 19:30:55 UTC by Seth Turner
Updated	2021-02-24 22:20:01 UTC by Seth Turner

General Information

System Inspector	Seth Turner
Date	2021-02-24
Time	15:00
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Full System Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	51F, sunny
Ambient Temperature	51F
Barometric Pressure	29.75
Indoor Temperature	70

Design Components

Does the house have a basement?	No
Does the house have a sump?	No
Does the house have garage retrocoat?	No
Does the house have shed retrocoat?	Yes
Does the house have basement retrocoat?	No
Does the house have a crawlspace barrier?	Yes
Does the house have an inaccessible crawlspace?	No
Does the house have a water sensor?	No

System Inspection

Fan

Fan(s) operating?	Yes
Are there any unusual fan noises?	No

Piping

Is any caulking required around pipe penetrations, slab cracks, expansion joints, or foundation walls?	No
Are piping, piping joints, and brackets intact and secure?	Yes
Is the insulation and insulation jacket damaged or missing in garage or exterior piping?	No

Valves

Upon arrival, are all valves in the same position as the prior visit (reference Power BI)?	Yes
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Drains

Do any drain seals need to be repaired or replaced? No

Shed Retrocoat

Is retrocoat damaged or missing? No

Crawlspace Barrier

Is water present on the vapor barrier? No

Labels

Are labels present at the pipe, control panel, u-tube, and breaker? Yes

Common Label Photos



Are labels present at the shed retrocoat? Yes

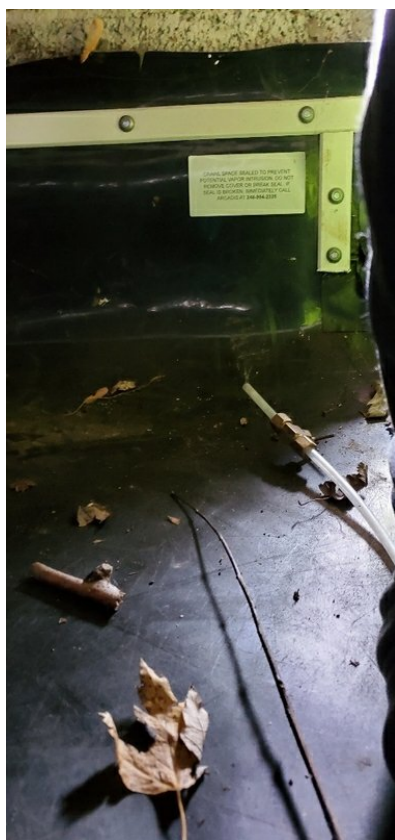
Shed Retrocoat Label Photos



Are labels present at the crawlspace barrier?

Yes

Barrier Label Photos



Vacuum Monitoring

Is the u-tube accurate (test with micromanometer/manometer, rezero/replace as needed)?	Yes
Is the vacuum switch accurate (test with micromanometer)?	Yes
Do any monitoring points (MP/SSMP) need to be repaired or replaced?	No
If multiple systems are present, were both inspected?	N/A

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
Do any monitoring points have transmitters?	No

Measurements and Valve Positions

MP-2, 15:05, -0.025

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2021-02-24
Time	15:05
Vacuum Reading (in. w.c.)	-0.025
Number Vacuum Reading	-0.025

MP-1, 15:18, -0.014

Vacuum ID Link	12088 Brewster, MP-1
Vacuum ID	MP-1
Date	2021-02-24
Time	15:18
Vacuum Reading (in. w.c.)	-0.014
Number Vacuum Reading	-0.014

SSMP-3, 15:19, -0.611

Vacuum ID Link	12088 Brewster, SSMP-3
Vacuum ID	SSMP-3
Date	2021-02-24
Time	15:19
Vacuum Reading (in. w.c.)	-0.611
Number Vacuum Reading	-0.611

SSMP-1, 15:21, -0.725

Vacuum ID Link	12088 Brewster, SSMP-1
Vacuum ID	SSMP-1
Date	2021-02-24
Time	15:21

Vacuum Reading (in. w.c.)	-0.725
Number Vacuum Reading	-0.725

U-Tube Manometer, 15:21, -3.5

Vacuum ID Link	12088 Brewster, U-Tube Manometer
Vacuum ID	U-Tube Manometer
Date	2021-02-24
Time	15:21
Vacuum Reading (in. w.c.)	-3.5
Number Vacuum Reading	-3.5

SSMP-2, 15:32, -0.121

Vacuum ID Link	12088 Brewster, SSMP-2
Vacuum ID	SSMP-2
Date	2021-02-24
Time	15:32
Vacuum Reading (in. w.c.)	-0.121
Number Vacuum Reading	-0.121

MP-1, 16:29, -0.021

Vacuum ID Link	12088 Brewster, MP-1
Vacuum ID	MP-1
Date	2021-02-24
Time	16:29
Vacuum Reading (in. w.c.)	-0.021
Number Vacuum Reading	-0.021

SSMP-2, 16:38, -0.101

Vacuum ID Link	12088 Brewster, SSMP-2
Vacuum ID	SSMP-2
Date	2021-02-24
Time	16:38
Vacuum Reading (in. w.c.)	-0.101
Number Vacuum Reading	-0.101

SSMP-3, 16:38, -0.642

Vacuum ID Link	12088 Brewster, SSMP-3
Vacuum ID	SSMP-3
Date	2021-02-24
Time	16:38
Vacuum Reading (in. w.c.)	-0.642
Number Vacuum Reading	-0.642

SSMP-1, 16:39, -0.725

Vacuum ID Link	12088 Brewster, SSMP-1
Vacuum ID	SSMP-1

Date	2021-02-24
Time	16:39
Vacuum Reading (in. w.c.)	-0.725
Number Vacuum Reading	-0.725

MP-2, 16:41, -0.027

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2021-02-24
Time	16:41
Vacuum Reading (in. w.c.)	-0.027
Number Vacuum Reading	-0.027

BV-2, 15:09, 5

Valve ID Link	12088 Brewster, BV-2
Valve ID	BV-2
Date	2021-02-24
Time	15:09
Valve Position at Arrival (% Open)	10
Valve Position at Departure (% Open)	5

BV-3, 15:11, 50

Valve ID Link	12088 Brewster, BV-3
Valve ID	BV-3
Date	2021-02-24
Time	15:11
Valve Position at Arrival (% Open)	50
Valve Position at Departure (% Open)	50

BV-1, 15:18, 100

Valve ID Link	12088 Brewster, BV-1
Valve ID	BV-1
Date	2021-02-24
Time	15:18
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

Manometer

Is the system manometer steady?	Yes
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SSMP/MPs

Were any vacuum monitoring points not accessible? Please specify.	No
---	----

Do all vacuum monitoring points meet -0.02 in w.c. threshold? Yes

Were any ball valve positions changed? Yes

Did you take final readings? Yes

Alarm Testing

Sensaphone Link N/A

Does the vacuum switch alarm work? Test the alarm condition and verify an alarm registers. Yes

Does the fan disconnect alarm work? Test the alarm condition and verify an alarm registers. Yes

Does the transmitter alarm work? Test the alarm condition and verify an alarm registers. N/A

Check the alarm history on the disconnect for the fan. Was it off for any length of time? No

Is the cloud logging vacuum readings properly (log in to check)? N/A

Repairs

Sample Delay

Send Sample Delay Email N/A

email body

Repair Completion

Were seam repairs completed during this visit? Yes

Were system repairs completed during this visit? Yes

Additional sealing completed: Sealing near mp-1.

Sealing Completion Date 2021-02-24

Sealing Repair Photos



System repairs completed:

Fan was cleaned and sealed.

System Repair Completion Date

2021-02-24

System Repair Photos



Are there outstanding repairs to be completed? No

Owner/Tenant Observations

Have there been any changes to the fan noise level or vibration? No

Have any structures been built or modified that require vapor mitigation? No

Engineer Notification

Send Inspection Completion Email N/A

email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A

email body

12088 Brewster, 2021-03-29, Water Inspection

Created	2021-03-29 17:37:38 UTC by Emma Witherspoon
Updated	2021-03-29 17:47:00 UTC by Emma Witherspoon

General Information

System Inspector	Emma Witherspoon
Date	2021-03-29
Time	13:37
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Clear
Ambient Temperature	42.08
Barometric Pressure	30.23

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
--	-----

Barrier

Is water observed on the barrier?	No
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	No
-------------------------------	----

Plumbing

Are plumbing repairs needed?	No
------------------------------	----

Water Removal

Has water been removed today?	No
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Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
---	-----

Measurements and Valve Positions

MP-2, 13:41, -0.026

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2021-03-29
Time	13:41
Vacuum Reading (in. w.c.)	-0.026

Number Vacuum Reading -0.026

Were interim vacuum readings taken between initial and final vacuum readings? No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link N/A

Repairs

Sample Delay

Send Sample Delay Email N/A
email body

Repair Completion

Were seam repairs completed during this visit? No

Were system repairs completed during this visit? No

Are there outstanding repairs to be completed? No

Engineer Notification

Send Inspection Completion Email N/A
email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A
email body

12088 Brewster, 2021-06-22, Water Inspection

Created	2021-06-22 16:12:57 UTC by Andrew Banitt
Updated	2021-06-22 16:14:13 UTC by Andrew Banitt

General Information

System Inspector	Andrew Banitt
Date	2021-06-22
Time	12:12
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Mostly Clear
Ambient Temperature	60.98
Barometric Pressure	30.00

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
--	-----

Barrier

Is water observed on the barrier?	No
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	No
-------------------------------	----

Plumbing

Are plumbing repairs needed?	No
------------------------------	----

Water Removal

Has water been removed today?	No
-------------------------------	----

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
---	-----

Measurements and Valve Positions

MP-1, 12:14, -0.021

Vacuum ID Link	12088 Brewster, MP-1
Vacuum ID	MP-1
Date	2021-06-22
Time	12:14
Vacuum Reading (in. w.c.)	-0.021

Number Vacuum Reading -0.021

Were interim vacuum readings taken between initial and final vacuum readings? No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link N/A

Repairs

Sample Delay

Send Sample Delay Email N/A
email body

Repair Completion

Were seam repairs completed during this visit? No

Were system repairs completed during this visit? No

Are there outstanding repairs to be completed? No

Engineer Notification

Send Inspection Completion Email N/A
email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A

email body

12088 Brewster, 2021-07-06, System Check, Water Inspection

Created	2021-07-06 12:26:54 UTC by Seth Turner
Updated	2021-07-06 12:45:12 UTC by Seth Turner

General Information

System Inspector	Seth Turner
Date	2021-07-06
Time	08:26
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	System Check, Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	80 F, humid
Ambient Temperature	80F
Barometric Pressure	30.02

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
--	-----

Barrier

Is water observed on the barrier?	Yes
Location of Water on Barrier	To the right of the outside entrance
Can the source of water be identified?	No

Water on Barrier



Volume of Water on Barrier (gal)	2
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	No
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Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	Yes
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How much water was removed? 2 gallons

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions? Yes

Measurements and Valve Positions

MP-1, 08:40, -0.021

Vacuum ID Link 12088 Brewster, MP-1

Vacuum ID MP-1

Date 2021-07-06

Time 08:40

Vacuum Reading (in. w.c.) -0.021

Number Vacuum Reading -0.021

Were interim vacuum readings taken between initial and final vacuum readings? No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link N/A

Repairs

Sample Delay

Send Sample Delay Email N/A

email body

Repair Completion

Were seam repairs completed during this visit? No

Were system repairs completed during this visit? No

Are there outstanding repairs to be completed? No

Engineer Notification

Send Inspection Completion Email N/A

email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A

email body

12088 Brewster, 2021-07-26, Water Inspection

Created	2021-07-26 18:38:41 UTC by Matthew Williams
Updated	2021-07-27 02:19:55 UTC by Matthew Williams

General Information

System Inspector	Matthew Williams
Date	2021-07-26
Time	14:38
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Mostly Clear
Ambient Temperature	87.98
Barometric Pressure	29.99

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
--	-----

Barrier

Is water observed on the barrier?	Yes
Location of Water on Barrier	On barrier near entrance
Can the source of water be identified?	Yes
Volume of Water on Barrier (gal)	0.1
Can water be felt under the barrier?	No
Describe Source Location	near entrance
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	No
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Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	No
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Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

MP-2, 14:43, -0.021

Vacuum ID Link	12088 Brewster, MP-2
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Vacuum ID	MP-2
Date	2021-07-26
Time	14:43
Vacuum Reading (in. w.c.)	-0.021
Number Vacuum Reading	-0.021
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link	N/A
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Repairs

Sample Delay

Send Sample Delay Email	N/A
email body	

Repair Completion

Were seam repairs completed during this visit?	No
Were system repairs completed during this visit?	No
Are there outstanding repairs to be completed?	No

Engineer Notification

Send Inspection Completion Email	N/A
email body	

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text	N/A
email body	

Additional Notes and Photos

Photos



12088 Brewster, 2021-08-16, Water Inspection

Created	2021-08-16 14:02:09 UTC by Andrew Banitt
Updated	2021-08-16 14:04:47 UTC by Andrew Banitt

General Information

System Inspector	Andrew Banitt
Date	2021-08-16
Time	10:02
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Cloudy
Ambient Temperature	64.94
Barometric Pressure	30.14

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
--	-----

Barrier

Is water observed on the barrier?	No
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	Yes
Are the drains plugged with well caps?	Yes
Do the drains need to be cleaned?	No

Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	No
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Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

MP-2, 10:03, -0.023

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2021-08-16

Time	10:03
Vacuum Reading (in. w.c.)	-0.023
Number Vacuum Reading	-0.023
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link	N/A
-----------------	-----

Repairs

Sample Delay

Send Sample Delay Email	N/A
email body	

Repair Completion

Were seam repairs completed during this visit?	No
Were system repairs completed during this visit?	No
Are there outstanding repairs to be completed?	No

Engineer Notification

Send Inspection Completion Email	N/A
email body	

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text	N/A
email body	

12088 Brewster, 2021-09-27, Water Inspection

Created	2021-09-27 15:02:17 UTC by Andrew Banitt
Updated	2021-09-27 15:04:35 UTC by Andrew Banitt

General Information

System Inspector	Andrew Banitt
Date	2021-09-27
Time	11:02
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Partly Cloudy
Ambient Temperature	64.94
Barometric Pressure	29.83

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
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Barrier

Is water observed on the barrier?	No
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	No
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Plumbing

Are plumbing repairs needed?	No
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Water Removal

Has water been removed today?	No
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Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
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Measurements and Valve Positions

MP-2, 11:03, -0.021

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2021-09-27
Time	11:03
Vacuum Reading (in. w.c.)	-0.021

Number Vacuum Reading -0.021

Were interim vacuum readings taken between initial and final vacuum readings? No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link N/A

Repairs

Sample Delay

Send Sample Delay Email N/A
email body

Repair Completion

Were seam repairs completed during this visit? No

Were system repairs completed during this visit? No

Are there outstanding repairs to be completed? No

Engineer Notification

Send Inspection Completion Email N/A
email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A

email body

12088 Brewster, 2021-10-27, Water Inspection

Created	2021-10-27 13:47:00 UTC by Andrew Banitt
Updated	2021-10-27 13:49:55 UTC by Andrew Banitt

General Information

System Inspector	Andrew Banitt
Date	2021-10-27
Time	09:47
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Water Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Light Drizzle
Ambient Temperature	46
Barometric Pressure	30.04

Water Inspections

Completed NPRCSE Checklist and Cleared the Crawlspace with the MultiRAE?	Yes
--	-----

Barrier

Is water observed on the barrier?	No
Can water be felt under the barrier?	No
Do barrier seams need addition sealing or repair?	No

Drains

Does the barrier have drains?	No
-------------------------------	----

Plumbing

Are plumbing repairs needed?	No
------------------------------	----

Water Removal

Has water been removed today?	No
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Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
---	-----

Measurements and Valve Positions

MP-2, 09:49, -0.022

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2021-10-27
Time	09:49
Vacuum Reading (in. w.c.)	-0.022

Number Vacuum Reading -0.022

Were interim vacuum readings taken between initial and final vacuum readings? No

Inspection Reading Analysis

SSMP/MPs

Alarm Testing

Sensaphone Link N/A

Repairs

Sample Delay

Send Sample Delay Email N/A
email body

Repair Completion

Were seam repairs completed during this visit? No

Were system repairs completed during this visit? No

Are there outstanding repairs to be completed? No

Engineer Notification

Send Inspection Completion Email N/A
email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A

email body

12088 Brewster, 2022-01-24, Full System Inspection

Created	2022-01-24 20:34:12 UTC by Seth Turner
Updated	2022-01-24 21:18:49 UTC by Seth Turner

General Information

System Inspector	Seth Turner
Date	2022-01-24
Time	15:34
System Details Link	12088 Brewster
Property Address	12088 Brewster
Check Inspection(s) to be Completed	Full System Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	20F, snowy
Ambient Temperature	20F
Barometric Pressure	-29.97
Indoor Temperature	70

Design Components

Does the house have a basement?	No
Does the house have a sump?	No
Does the house have garage retrocoat?	No
Does the house have shed retrocoat?	Yes
Does the house have basement retrocoat?	No
Does the house have a crawlspace barrier?	Yes
Does the house have an inaccessible crawlspace?	No
Does the house have a water sensor?	No

System Inspection

Fan

Fan(s) operating?	Yes
Are there any unusual fan noises?	No

Piping

Is any caulking required around pipe penetrations, slab cracks, expansion joints, or foundation walls?	No
Are piping, piping joints, and brackets intact and secure?	Yes
Is the insulation and insulation jacket damaged or missing in garage or exterior piping?	No

Valves

Upon arrival, are all valves in the same position as the prior visit (reference Power BI)?	Yes
--	-----

Drains

Do any drain seals need to be repaired or replaced? No

Shed Retrocoat

Is retrocoat damaged or missing? No

Crawlspace Barrier

Is water present on the vapor barrier? No

Labels

Are labels present at the pipe, control panel, u-tube, and breaker? Yes

Common Label Photos



Are labels present at the shed retrocoat? Yes

Shed Retrocoat Label Photos



Are labels present at the crawlspace barrier?

Yes

Barrier Label Photos



Vacuum Monitoring

Is the u-tube accurate (test with micromanometer/manometer, rezero/replace as needed)?	Yes
Is the vacuum switch accurate (test with micromanometer)?	Yes
Do any monitoring points (MP/SSMP) need to be repaired or replaced?	No
If multiple systems are present, were both inspected?	N/A

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed building conditions?	Yes
Do any monitoring points have transmitters?	No

Measurements and Valve Positions

U-Tube Manometer, 15:37, -3.7

Vacuum ID Link	12088 Brewster, U-Tube Manometer
Vacuum ID	U-Tube Manometer
Date	2022-01-24
Time	15:37
Vacuum Reading (in. w.c.)	-3.7
Number Vacuum Reading	-3.7

MP-1, 15:45, -0.022

Vacuum ID Link	12088 Brewster, MP-1
Vacuum ID	MP-1
Date	2022-01-24
Time	15:45
Vacuum Reading (in. w.c.)	-0.022
Number Vacuum Reading	-0.022

SSMP-1, 15:48, -0.953

Vacuum ID Link	12088 Brewster, SSMP-1
Vacuum ID	SSMP-1
Date	2022-01-24
Time	15:48
Vacuum Reading (in. w.c.)	-0.953
Number Vacuum Reading	-0.953

SSMP-3, 15:50, -0.744

Vacuum ID Link	12088 Brewster, SSMP-3
Vacuum ID	SSMP-3
Date	2022-01-24
Time	15:50

Vacuum Reading (in. w.c.)	-0.744
Number Vacuum Reading	-0.744

SSMP-2, 15:53, -0.105

Vacuum ID Link	12088 Brewster, SSMP-2
Vacuum ID	SSMP-2
Date	2022-01-24
Time	15:53
Vacuum Reading (in. w.c.)	-0.105
Number Vacuum Reading	-0.105

MP-2, 15:59, -0.025

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2022-01-24
Time	15:59
Vacuum Reading (in. w.c.)	-0.025
Number Vacuum Reading	-0.025

U-Tube Manometer, 16:05, -3.7

Vacuum ID Link	12088 Brewster, U-Tube Manometer
Vacuum ID	U-Tube Manometer
Date	2022-01-24
Time	16:05
Vacuum Reading (in. w.c.)	-3.7
Number Vacuum Reading	-3.7

MP-1, 16:05, -0.022

Vacuum ID Link	12088 Brewster, MP-1
Vacuum ID	MP-1
Date	2022-01-24
Time	16:05
Vacuum Reading (in. w.c.)	-0.022
Number Vacuum Reading	-0.022

SSMP-1, 16:05, -0.954

Vacuum ID Link	12088 Brewster, SSMP-1
Vacuum ID	SSMP-1
Date	2022-01-24
Time	16:05
Vacuum Reading (in. w.c.)	-0.954
Number Vacuum Reading	-0.954

SSMP-3, 16:05, -0.744

Vacuum ID Link	12088 Brewster, SSMP-3
Vacuum ID	SSMP-3

Date	2022-01-24
Time	16:05
Vacuum Reading (in. w.c.)	-0.744
Number Vacuum Reading	-0.744

SSMP-2, 16:05, -0.107

Vacuum ID Link	12088 Brewster, SSMP-2
Vacuum ID	SSMP-2
Date	2022-01-24
Time	16:05
Vacuum Reading (in. w.c.)	-0.107
Number Vacuum Reading	-0.107

MP-2, 16:05, -0.026

Vacuum ID Link	12088 Brewster, MP-2
Vacuum ID	MP-2
Date	2022-01-24
Time	16:05
Vacuum Reading (in. w.c.)	-0.026
Number Vacuum Reading	-0.026

BV-1, 16:16, 100

Valve ID Link	12088 Brewster, BV-1
Valve ID	BV-1
Date	2022-01-24
Time	16:16
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-2, 16:16, 5

Valve ID Link	12088 Brewster, BV-2
Valve ID	BV-2
Date	2022-01-24
Time	16:16
Valve Position at Arrival (% Open)	5
Valve Position at Departure (% Open)	5

BV-3, 16:16, 50

Valve ID Link	12088 Brewster, BV-3
Valve ID	BV-3
Date	2022-01-24
Time	16:16
Valve Position at Arrival (% Open)	50
Valve Position at Departure (% Open)	50
Were interim vacuum readings taken between initial and final vacuum readings?	No

Inspection Reading Analysis

Manometer

Is the system manometer steady? Yes

SSMP/MPs

Were any vacuum monitoring points not accessible? Please specify. No

Do all vacuum monitoring points meet -0.02 in w.c. threshold? Yes

Were any ball valve positions changed? No

Alarm Testing

Sensaphone Link N/A

Does the vacuum switch alarm work? Test the alarm condition and verify an alarm registers. Yes

Does the fan disconnect alarm work? Test the alarm condition and verify an alarm registers. Yes

Does the transmitter alarm work? Test the alarm condition and verify an alarm registers. N/A

Check the alarm history on the disconnect for the fan. Was it off for any length of time? No

Is the cloud logging vacuum readings properly (log in to check)? N/A

Repairs

Sample Delay

Send Sample Delay Email N/A
email body

Repair Completion

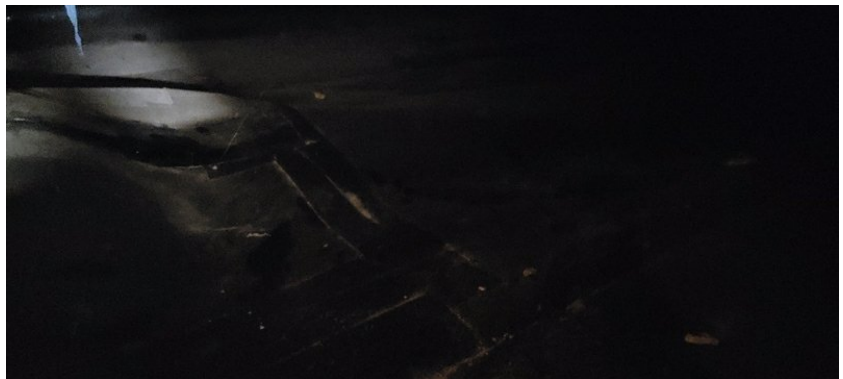
Were seam repairs completed during this visit? Yes

Were system repairs completed during this visit? Yes

Additional sealing completed: Seams repaired by MP-1

Sealing Completion Date 2022-01-24

Sealing Repair Photos



System repairs completed: Fan cleaned.

System Repair Completion Date 2022-01-24

System Repair Photos



Are there outstanding repairs to be completed? No

Owner/Tenant Observations

Have there been any changes to the fan noise level or vibration? No

Have any structures been built or modified that require vapor mitigation? No

Engineer Notification

Send Inspection Completion Email N/A

email body

Engineer Notification

Send Inspection Completion Email - add any repairs, repair needs, or critical communications in email text N/A

email body
