

Transmittal Letter



TO
Annette Roberts
34550 Beacon
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 - 34550 Beacon

We are sending you:

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

Action*

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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.

34550 Beacon, 2020-11-12, Full System Inspection

Created	2020-11-12 15:45:42 UTC by Seth Turner
Updated	2020-11-12 16:18:20 UTC by Seth Turner

General Information

System Inspector	Seth Turner
Date	2020-11-12
Time	10:45
System Details Link	34550 Beacon
Property Address	34550 Beacon
Check Inspection(s) to be Completed	Full System Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Sunny
Ambient Temperature	46
Barometric Pressure	29.29
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?	No
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

Crawlspace Barrier

Is water present on the vapor barrier? No

Labels

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

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? Yes

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, 10:46, -0.042

Vacuum ID Link	34550 Beacon, MP-2
Vacuum ID	MP-2
Date	2020-11-12
Time	10:46
Vacuum Reading (in. w.c.)	-0.042
Number Vacuum Reading	-0.042

MP-1, 10:46, -0.025

Vacuum ID Link	34550 Beacon, MP-1
Vacuum ID	MP-1
Date	2020-11-12
Time	10:46
Vacuum Reading (in. w.c.)	-0.025
Number Vacuum Reading	-0.025

SSMP-2, 10:48, -0.076

Vacuum ID Link	34550 Beacon, SSMP-2
Vacuum ID	SSMP-2
Date	2020-11-12
Time	10:48
Vacuum Reading (in. w.c.)	-0.076
Number Vacuum Reading	-0.076

MP-3, 10:56, -0.060

Vacuum ID Link	34550 Beacon, MP-3
Vacuum ID	MP-3
Date	2020-11-12
Time	10:56
Vacuum Reading (in. w.c.)	-0.060
Number Vacuum Reading	-0.06

MP-4, 10:57, -0.067

Vacuum ID Link	34550 Beacon, MP-4
Vacuum ID	MP-4
Date	2020-11-12
Time	10:57
Vacuum Reading (in. w.c.)	-0.067
Number Vacuum Reading	-0.067

SSMP-3, 11:04, -0.361

Vacuum ID Link	34550 Beacon, SSMP-3
Vacuum ID	SSMP-3

Date	2020-11-12
Time	11:04
Vacuum Reading (in. w.c.)	-0.361
Number Vacuum Reading	-0.361

SSMP-1, 11:09, -0.965

Vacuum ID Link	34550 Beacon, SSMP-1
Vacuum ID	SSMP-1
Date	2020-11-12
Time	11:09
Vacuum Reading (in. w.c.)	-0.965
Number Vacuum Reading	-0.965

SSMP-4, 11:10, -0.212

Vacuum ID Link	34550 Beacon, SSMP-4
Vacuum ID	SSMP-4
Date	2020-11-12
Time	11:10
Vacuum Reading (in. w.c.)	-0.212
Number Vacuum Reading	-0.212

SSMP-5, 11:11, -0.214

Vacuum ID Link	34550 Beacon, SSMP-5
Vacuum ID	SSMP-5
Date	2020-11-12
Time	11:11
Vacuum Reading (in. w.c.)	-0.214
Number Vacuum Reading	-0.214

U-Tube Manometer 2, 11:12, -5.1

Vacuum ID Link	34550 Beacon, U-Tube Manometer 2
Vacuum ID	U-Tube Manometer 2
Date	2020-11-12
Time	11:12
Vacuum Reading (in. w.c.)	-5.1
Number Vacuum Reading	-5.1

U-Tube Manometer 1, 11:13, -2

Vacuum ID Link	34550 Beacon, U-Tube Manometer 1
Vacuum ID	U-Tube Manometer 1
Date	2020-11-12
Time	11:13
Vacuum Reading (in. w.c.)	-2
Number Vacuum Reading	-2

BV-1, 10:47, 100

Valve ID Link	34550 Beacon, BV-1
Valve ID	BV-1
Date	2020-11-12
Time	10:47
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-3, 10:52, 100

Valve ID Link	34550 Beacon, BV-3
Valve ID	BV-3
Date	2020-11-12
Time	10:52
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-2, 10:53, 100

Valve ID Link	34550 Beacon, BV-2
Valve ID	BV-2
Date	2020-11-12
Time	10:53
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-7, 10:54, 100

Valve ID Link	34550 Beacon, BV-7
Valve ID	BV-7
Date	2020-11-12
Time	10:54
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-4, 11:06, 100

Valve ID Link	34550 Beacon, BV-4
Valve ID	BV-4
Date	2020-11-12
Time	11:06
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-5, 11:08, 100

Valve ID Link	34550 Beacon, BV-5
Valve ID	BV-5
Date	2020-11-12
Time	11:08
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-6, 11:08, 100

Valve ID Link	34550 Beacon, BV-6
Valve ID	BV-6
Date	2020-11-12
Time	11:08
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?	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 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

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

34550 Beacon, 2021-02-17, Full System Inspection

Created	2021-02-17 17:35:09 UTC by Seth Turner
Updated	2021-02-17 19:41:18 UTC by Andrew Banitt

General Information

System Inspector	Seth Turner
Date	2021-02-17
Time	12:35
System Details Link	34550 Beacon
Property Address	34550 Beacon
Check Inspection(s) to be Completed	Full System Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	4F, cloudy
Ambient Temperature	4F
Barometric Pressure	30.34
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?	No
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

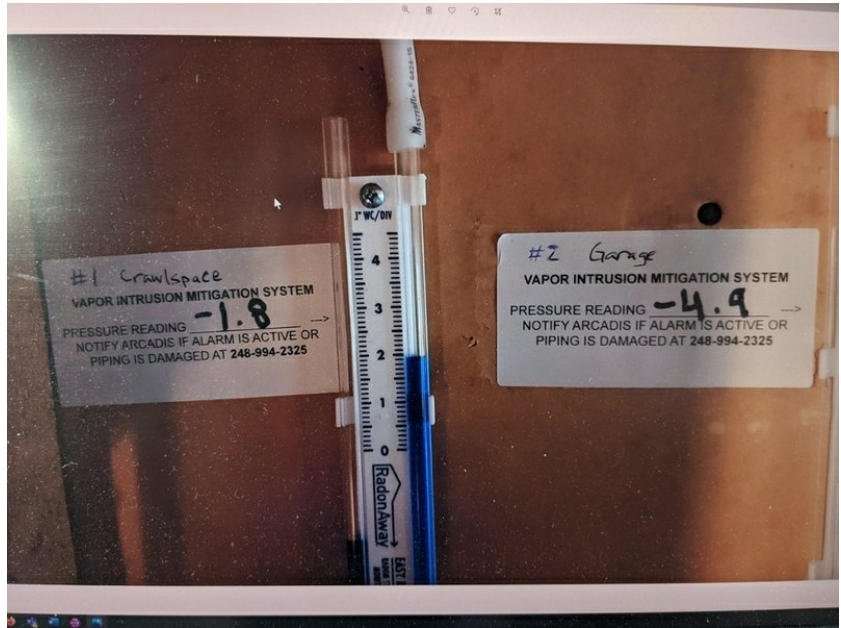
Crawlspace Barrier

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 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? Yes

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

SSMP-2, 13:02, -0.025

Vacuum ID Link 34550 Beacon, SSMP-2

Vacuum ID SSMP-2

Date 2021-02-17

Time 13:02

Vacuum Reading (in. w.c.) -0.025

Number Vacuum Reading -0.025

MP-1, 13:06, -0.025

Vacuum ID Link 34550 Beacon, MP-1

Vacuum ID MP-1

Date 2021-02-17

Time 13:06

Vacuum Reading (in. w.c.) -0.025

Number Vacuum Reading -0.025

MP-2, 13:07, -0.035

Vacuum ID Link 34550 Beacon, MP-2

Vacuum ID MP-2

Date 2021-02-17

Time 13:07

Vacuum Reading (in. w.c.) -0.035

Number Vacuum Reading -0.035

MP-3, 13:14, -0.048

Vacuum ID Link 34550 Beacon, MP-3

Vacuum ID MP-3

Date 2021-02-17

Time 13:14

Vacuum Reading (in. w.c.) -0.048

Number Vacuum Reading -0.048

MP-4, 13:15, -0.063

Vacuum ID Link 34550 Beacon, MP-4

Vacuum ID MP-4

Date 2021-02-17

Time 13:15

Vacuum Reading (in. w.c.) -0.063

Number Vacuum Reading	-0.063
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SSMP-3, 13:18, -0.316

Vacuum ID Link	34550 Beacon, SSMP-3
Vacuum ID	SSMP-3
Date	2021-02-17
Time	13:18
Vacuum Reading (in. w.c.)	-0.316
Number Vacuum Reading	-0.316

SSMP-1, 13:20, -1.075

Vacuum ID Link	34550 Beacon, SSMP-1
Vacuum ID	SSMP-1
Date	2021-02-17
Time	13:20
Vacuum Reading (in. w.c.)	-1.075
Number Vacuum Reading	-1.075

SSMP-4, 13:21, -0.313

Vacuum ID Link	34550 Beacon, SSMP-4
Vacuum ID	SSMP-4
Date	2021-02-17
Time	13:21
Vacuum Reading (in. w.c.)	-0.313
Number Vacuum Reading	-0.313

SSMP-5, 13:22, -0.224

Vacuum ID Link	34550 Beacon, SSMP-5
Vacuum ID	SSMP-5
Date	2021-02-17
Time	13:22
Vacuum Reading (in. w.c.)	-0.224
Number Vacuum Reading	-0.224

U-Tube Manometer 2, 13:24, -5.1

Vacuum ID Link	34550 Beacon, U-Tube Manometer 2
Vacuum ID	U-Tube Manometer 2
Date	2021-02-17
Time	13:24
Vacuum Reading (in. w.c.)	-5.1
Number Vacuum Reading	-5.1

MP-2, 14:05, -0.035

Vacuum ID Link	34550 Beacon, MP-2
Vacuum ID	MP-2
Date	2021-02-17

Time	14:05
Vacuum Reading (in. w.c.)	-0.035
Number Vacuum Reading	-0.035

MP-1, 14:05, -0.023

Vacuum ID Link	34550 Beacon, MP-1
Vacuum ID	MP-1
Date	2021-02-17
Time	14:05
Vacuum Reading (in. w.c.)	-0.023
Number Vacuum Reading	-0.023

SSMP-2, 14:06, -0.024

Vacuum ID Link	34550 Beacon, SSMP-2
Vacuum ID	SSMP-2
Date	2021-02-17
Time	14:06
Vacuum Reading (in. w.c.)	-0.024
Number Vacuum Reading	-0.024

MP-4, 14:11, -0.064

Vacuum ID Link	34550 Beacon, MP-4
Vacuum ID	MP-4
Date	2021-02-17
Time	14:11
Vacuum Reading (in. w.c.)	-0.064
Number Vacuum Reading	-0.064

MP-3, 14:12, -0.046

Vacuum ID Link	34550 Beacon, MP-3
Vacuum ID	MP-3
Date	2021-02-17
Time	14:12
Vacuum Reading (in. w.c.)	-0.046
Number Vacuum Reading	-0.046

SSMP-3, 14:15, -0.312

Vacuum ID Link	34550 Beacon, SSMP-3
Vacuum ID	SSMP-3
Date	2021-02-17
Time	14:15
Vacuum Reading (in. w.c.)	-0.312
Number Vacuum Reading	-0.312

SSMP-1, 14:16, -1.080

Vacuum ID Link	34550 Beacon, SSMP-1
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Vacuum ID	SSMP-1
Date	2021-02-17
Time	14:16
Vacuum Reading (in. w.c.)	-1.080
Number Vacuum Reading	-1.08

U-Tube Manometer 1, 14:17, -1.9

Vacuum ID Link	34550 Beacon, U-Tube Manometer 1
Vacuum ID	U-Tube Manometer 1
Date	2021-02-17
Time	14:17
Vacuum Reading (in. w.c.)	-1.9
Number Vacuum Reading	-1.9

U-Tube Manometer 1, 14:00, -1.9

Vacuum ID Link	34550 Beacon, U-Tube Manometer 1
Vacuum ID	U-Tube Manometer 1
Date	2021-02-17
Time	14:00
Vacuum Reading (in. w.c.)	-1.9
Number Vacuum Reading	-1.9

U-Tube Manometer 2, 14:18, -5.3

Vacuum ID Link	34550 Beacon, U-Tube Manometer 2
Vacuum ID	U-Tube Manometer 2
Date	2021-02-17
Time	14:18
Vacuum Reading (in. w.c.)	-5.3
Number Vacuum Reading	-5.3

SSMP-4, 14:19, -0.315

Vacuum ID Link	34550 Beacon, SSMP-4
Vacuum ID	SSMP-4
Date	2021-02-17
Time	14:19
Vacuum Reading (in. w.c.)	-0.315
Number Vacuum Reading	-0.315

SSMP-5, 14:19, -0.225

Vacuum ID Link	34550 Beacon, SSMP-5
Vacuum ID	SSMP-5
Date	2021-02-17
Time	14:19
Vacuum Reading (in. w.c.)	-0.225
Number Vacuum Reading	-0.225

BV-1, 13:05, 100

Valve ID Link	34550 Beacon, BV-1
Valve ID	BV-1
Date	2021-02-17
Time	13:05
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-3, 13:11, 100

Valve ID Link	34550 Beacon, BV-3
Valve ID	BV-3
Date	2021-02-17
Time	13:11
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-2, 13:11, 100

Valve ID Link	34550 Beacon, BV-2
Valve ID	BV-2
Date	2021-02-17
Time	13:11
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-7, 13:11, 100

Valve ID Link	34550 Beacon, BV-7
Valve ID	BV-7
Date	2021-02-17
Time	13:11
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-5, 13:19, 100

Valve ID Link	34550 Beacon, BV-5
Valve ID	BV-5
Date	2021-02-17
Time	13:19
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-6, 14:34, 100

Valve ID Link	34550 Beacon, BV-6
Valve ID	BV-6
Date	2021-02-17
Time	14:34
Valve Position at Arrival (% Open)	100

Valve Position at Departure (% Open)	100
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BV-4, 14:35, 100

Valve ID Link	34550 Beacon, BV-4
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Valve ID	BV-4
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Date	2021-02-17
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Time	14:35
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Valve Position at Arrival (% Open)	100
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Valve Position at Departure (% Open)	100
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Were interim vacuum readings taken between initial and final vacuum readings?	No
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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
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Do all vacuum monitoring points meet -0.02 in w.c. threshold?	Yes
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Were any ball valve positions changed?	No
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Alarm Testing

Sensaphone Link	N/A
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Does the vacuum switch alarm work? Test the alarm condition and verify an alarm registers.	Yes
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Does the fan disconnect alarm work? Test the alarm condition and verify an alarm registers.	Yes
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Does the transmitter alarm work? Test the alarm condition and verify an alarm registers.	N/A
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Check the alarm history on the disconnect for the fan. Was it off for any length of time?	No
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Is the cloud logging vacuum readings properly (log in to check)?	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
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Were system repairs completed during this visit?	Yes
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System repairs completed:	Fans cleaned. Leaves in North fan. Approx. 1 tbs.
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System Repair Completion Date	2021-02-17
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System Repair Photos



Are there outstanding repairs to be completed?	Yes
Repair Status	Crawlspace with MP-3 and MP-4 needs sikaflex above batten bar.

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	

34550 Beacon, 2021-03-04, System Check

Created	2021-03-04 19:01:23 UTC by Andrew Banitt
Updated	2021-03-04 20:11:58 UTC by Andrew Banitt

General Information

System Inspector	Andrew Banitt
Date	2021-03-04
Time	12:30
System Details Link	34550 Beacon
Property Address	34550 Beacon
Check Inspection(s) to be Completed	System Check
Get weather data from National Weather Service Website for your current location?	N/A
Weather	Cloudy
Ambient Temperature	32.00
Barometric Pressure	30.24
Indoor Temperature	70

Inspection Measurements

Pre-Measurement Conditions

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

MP-4, 14:01, -0.087

Vacuum ID Link	34550 Beacon, MP-4
Vacuum ID	MP-4
Date	2021-03-04
Time	14:01
Vacuum Reading (in. w.c.)	-0.087
Number Vacuum Reading	-0.087

MP-3, 14:02, -0.068

Vacuum ID Link	34550 Beacon, MP-3
Vacuum ID	MP-3
Date	2021-03-04
Time	14:02
Vacuum Reading (in. w.c.)	-0.068
Number Vacuum Reading	-0.068

MP-2, 14:18, -0.039

Vacuum ID Link	34550 Beacon, MP-2
Vacuum ID	MP-2
Date	2021-03-04
Time	14:18

Vacuum Reading (in. w.c.)	-0.039
Number Vacuum Reading	-0.039

MP-1, 14:19, -0.025

Vacuum ID Link	34550 Beacon, MP-1
Vacuum ID	MP-1
Date	2021-03-04
Time	14:19
Vacuum Reading (in. w.c.)	-0.025
Number Vacuum Reading	-0.025

SSMP-2, 14:22, -0.023

Vacuum ID Link	34550 Beacon, SSMP-2
Vacuum ID	SSMP-2
Date	2021-03-04
Time	14:22
Vacuum Reading (in. w.c.)	-0.023
Number Vacuum Reading	-0.023

SSMP-3, 14:35, -0.342

Vacuum ID Link	34550 Beacon, SSMP-3
Vacuum ID	SSMP-3
Date	2021-03-04
Time	14:35
Vacuum Reading (in. w.c.)	-0.342
Number Vacuum Reading	-0.342

SSMP-1, 14:35, -1.051

Vacuum ID Link	34550 Beacon, SSMP-1
Vacuum ID	SSMP-1
Date	2021-03-04
Time	14:35
Vacuum Reading (in. w.c.)	-1.051
Number Vacuum Reading	-1.051

U-Tube Manometer 2, 14:37, -5.4

Vacuum ID Link	34550 Beacon, U-Tube Manometer 2
Vacuum ID	U-Tube Manometer 2
Date	2021-03-04
Time	14:37
Vacuum Reading (in. w.c.)	-5.4
Number Vacuum Reading	-5.4

U-Tube Manometer 1, 14:37, -2.1

Vacuum ID Link	34550 Beacon, U-Tube Manometer 1
Vacuum ID	U-Tube Manometer 1

Date	2021-03-04
Time	14:37
Vacuum Reading (in. w.c.)	-2.1
Number Vacuum Reading	-2.1

SSMP-4, 14:38, -0.258

Vacuum ID Link	34550 Beacon, SSMP-4
Vacuum ID	SSMP-4
Date	2021-03-04
Time	14:38
Vacuum Reading (in. w.c.)	-0.258
Number Vacuum Reading	-0.258

SSMP-5, 14:39, -0.225

Vacuum ID Link	34550 Beacon, SSMP-5
Vacuum ID	SSMP-5
Date	2021-03-04
Time	14:39
Vacuum Reading (in. w.c.)	-0.225
Number Vacuum Reading	-0.225

BV-2, 14:40, 100

Valve ID Link	34550 Beacon, BV-2
Valve ID	BV-2
Date	2021-03-04
Time	14:40
Valve Position at Departure (% Open)	100

BV-1, 14:40, 100

Valve ID Link	34550 Beacon, BV-1
Valve ID	BV-1
Date	2021-03-04
Time	14:40
Valve Position at Departure (% Open)	100

BV-3, 14:40, 100

Valve ID Link	34550 Beacon, BV-3
Valve ID	BV-3
Date	2021-03-04
Time	14:40
Valve Position at Departure (% Open)	100

BV-4, 14:40, 100

Valve ID Link	34550 Beacon, BV-4
Valve ID	BV-4
Date	2021-03-04

Time	14:40
Valve Position at Departure (% Open)	100

BV-5, 14:40, 100

Valve ID Link	34550 Beacon, BV-5
Valve ID	BV-5
Date	2021-03-04
Time	14:40
Valve Position at Departure (% Open)	100

BV-6, 14:40, 100

Valve ID Link	34550 Beacon, BV-6
Valve ID	BV-6
Date	2021-03-04
Time	14:40
Valve Position at Departure (% Open)	100

BV-7, 14:40, 100

Valve ID Link	34550 Beacon, BV-7
Valve ID	BV-7
Date	2021-03-04
Time	14:40
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?	No

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?	Yes
Were system repairs completed during this visit?	No
Additional sealing completed:	Sikaflex along batten bar
Sealing Completion Date	2021-03-04

Sealing Repair Photos





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 Hole filled in with spray foam where animals were potentially entering crawl space.

Photos



34550 Beacon, 2022-01-26, Full System Inspection

Created	2022-01-26 15:20:14 UTC by Seth Turner
Updated	2022-01-26 17:22:42 UTC by Seth Turner

General Information

System Inspector	Seth Turner
Date	2022-01-26
Time	10:30
System Details Link	34550 Beacon
Property Address	34550 Beacon
Check Inspection(s) to be Completed	Full System Inspection
Get weather data from National Weather Service Website for your current location?	N/A
Weather	14F, sunny
Ambient Temperature	14F
Barometric Pressure	28.97
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?	No
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

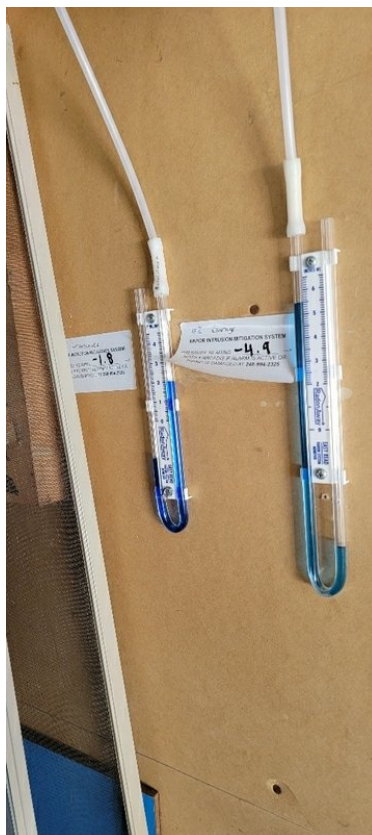
Crawlspace Barrier

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 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?	Yes

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

SSMP-5, 10:29, -0.189

Vacuum ID Link	34550 Beacon, SSMP-5
Vacuum ID	SSMP-5
Date	2022-01-26
Time	10:29
Vacuum Reading (in. w.c.)	-0.189

Number Vacuum Reading	-0.189
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SSMP-4, 10:31, -0.301

Vacuum ID Link	34550 Beacon, SSMP-4
Vacuum ID	SSMP-4
Date	2022-01-26
Time	10:31
Vacuum Reading (in. w.c.)	-0.301
Number Vacuum Reading	-0.301

SSMP-1, 10:32, -1.025

Vacuum ID Link	34550 Beacon, SSMP-1
Vacuum ID	SSMP-1
Date	2022-01-26
Time	10:32
Vacuum Reading (in. w.c.)	-1.025
Number Vacuum Reading	-1.025

U-Tube Manometer 1, 10:34, -1.9

Vacuum ID Link	34550 Beacon, U-Tube Manometer 1
Vacuum ID	U-Tube Manometer 1
Date	2022-01-26
Time	10:34
Vacuum Reading (in. w.c.)	-1.9
Number Vacuum Reading	-1.9

U-Tube Manometer 2, 10:35, -4.9

Vacuum ID Link	34550 Beacon, U-Tube Manometer 2
Vacuum ID	U-Tube Manometer 2
Date	2022-01-26
Time	10:35
Vacuum Reading (in. w.c.)	-4.9
Number Vacuum Reading	-4.9

SSMP-3, 10:56, -0.342

Vacuum ID Link	34550 Beacon, SSMP-3
Vacuum ID	SSMP-3
Date	2022-01-26
Time	10:56
Vacuum Reading (in. w.c.)	-0.342
Number Vacuum Reading	-0.342

SSMP-2, 10:58, -0.063

Vacuum ID Link	34550 Beacon, SSMP-2
Vacuum ID	SSMP-2
Date	2022-01-26

Time	10:58
Vacuum Reading (in. w.c.)	-0.063
Number Vacuum Reading	-0.063

MP-1, 10:59, -0.027

Vacuum ID Link	34550 Beacon, MP-1
Vacuum ID	MP-1
Date	2022-01-26
Time	10:59
Vacuum Reading (in. w.c.)	-0.027
Number Vacuum Reading	-0.027

MP-2, 11:00, -0.037

Vacuum ID Link	34550 Beacon, MP-2
Vacuum ID	MP-2
Date	2022-01-26
Time	11:00
Vacuum Reading (in. w.c.)	-0.037
Number Vacuum Reading	-0.037

MP-4, 11:03, -0.064

Vacuum ID Link	34550 Beacon, MP-4
Vacuum ID	MP-4
Date	2022-01-26
Time	11:03
Vacuum Reading (in. w.c.)	-0.064
Number Vacuum Reading	-0.064

MP-3, 11:04, -0.059

Vacuum ID Link	34550 Beacon, MP-3
Vacuum ID	MP-3
Date	2022-01-26
Time	11:04
Vacuum Reading (in. w.c.)	-0.059
Number Vacuum Reading	-0.059

SSMP-5, 11:21, -0.190

Vacuum ID Link	34550 Beacon, SSMP-5
Vacuum ID	SSMP-5
Date	2022-01-26
Time	11:21
Vacuum Reading (in. w.c.)	-0.190
Number Vacuum Reading	-0.19

SSMP-4, 11:21, -0.300

Vacuum ID Link	34550 Beacon, SSMP-4
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Vacuum ID	SSMP-4
Date	2022-01-26
Time	11:21
Vacuum Reading (in. w.c.)	-0.300
Number Vacuum Reading	-0.3

SSMP-1, 11:21, -1.026

Vacuum ID Link	34550 Beacon, SSMP-1
Vacuum ID	SSMP-1
Date	2022-01-26
Time	11:21
Vacuum Reading (in. w.c.)	-1.026
Number Vacuum Reading	-1.026

U-Tube Manometer 1, 11:21, -2.1

Vacuum ID Link	34550 Beacon, U-Tube Manometer 1
Vacuum ID	U-Tube Manometer 1
Date	2022-01-26
Time	11:21
Vacuum Reading (in. w.c.)	-2.1
Number Vacuum Reading	-2.1

U-Tube Manometer 2, 11:22, -5.5

Vacuum ID Link	34550 Beacon, U-Tube Manometer 2
Vacuum ID	U-Tube Manometer 2
Date	2022-01-26
Time	11:22
Vacuum Reading (in. w.c.)	-5.5
Number Vacuum Reading	-5.5

SSMP-3, 11:22, -0.345

Vacuum ID Link	34550 Beacon, SSMP-3
Vacuum ID	SSMP-3
Date	2022-01-26
Time	11:22
Vacuum Reading (in. w.c.)	-0.345
Number Vacuum Reading	-0.345

SSMP-2, 11:22, -0.067

Vacuum ID Link	34550 Beacon, SSMP-2
Vacuum ID	SSMP-2
Date	2022-01-26
Time	11:22
Vacuum Reading (in. w.c.)	-0.067
Number Vacuum Reading	-0.067

MP-1, 11:23, -0.027

Vacuum ID Link	34550 Beacon, MP-1
Vacuum ID	MP-1
Date	2022-01-26
Time	11:23
Vacuum Reading (in. w.c.)	-0.027
Number Vacuum Reading	-0.027

MP-2, 11:00, -0.036

Vacuum ID Link	34550 Beacon, MP-2
Vacuum ID	MP-2
Date	2022-01-26
Time	11:00
Vacuum Reading (in. w.c.)	-0.036
Number Vacuum Reading	-0.036

MP-4, 11:23, -0.064

Vacuum ID Link	34550 Beacon, MP-4
Vacuum ID	MP-4
Date	2022-01-26
Time	11:23
Vacuum Reading (in. w.c.)	-0.064
Number Vacuum Reading	-0.064

MP-3, 11:24, -0.060

Vacuum ID Link	34550 Beacon, MP-3
Vacuum ID	MP-3
Date	2022-01-26
Time	11:24
Vacuum Reading (in. w.c.)	-0.060
Number Vacuum Reading	-0.06

BV-1, 12:20, 100

Valve ID Link	34550 Beacon, BV-1
Valve ID	BV-1
Date	2022-01-26
Time	12:20
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

BV-2, 12:21, 100

Valve ID Link	34550 Beacon, BV-2
Valve ID	BV-2
Date	2022-01-26
Time	12:21
Valve Position at Arrival (% Open)	100

Valve Position at Departure (% Open)	100
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BV-3, 12:21, 100

Valve ID Link	34550 Beacon, BV-3
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Valve ID	BV-3
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Date	2022-01-26
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Time	12:21
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Valve Position at Arrival (% Open)	100
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Valve Position at Departure (% Open)	100
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BV-4, 12:21, 100

Valve ID Link	34550 Beacon, BV-4
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Valve ID	BV-4
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Date	2022-01-26
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Time	12:21
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Valve Position at Arrival (% Open)	100
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Valve Position at Departure (% Open)	100
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BV-5, 12:21, 100

Valve ID Link	34550 Beacon, BV-5
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Valve ID	BV-5
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Date	2022-01-26
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Time	12:21
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Valve Position at Arrival (% Open)	100
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Valve Position at Departure (% Open)	100
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BV-6, 12:21, 100

Valve ID Link	34550 Beacon, BV-6
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Valve ID	BV-6
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Date	2022-01-26
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Time	12:21
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Valve Position at Arrival (% Open)	100
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Valve Position at Departure (% Open)	100
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BV-7, 12:21, 100

Valve ID Link	34550 Beacon, BV-7
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Valve ID	BV-7
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Date	2022-01-26
------	------------

Time	12:21
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Valve Position at Arrival (% Open)	100
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Valve Position at Departure (% Open)	100
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Were interim vacuum readings taken between initial and final vacuum readings?	No
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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?	No
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Alarm Testing

Sensaphone Link	N/A
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Does the vacuum switch alarm work? Test the alarm condition and verify an alarm registers.	Yes
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Does the fan disconnect alarm work? Test the alarm condition and verify an alarm registers.	Yes
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Does the transmitter alarm work? Test the alarm condition and verify an alarm registers.	N/A
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Check the alarm history on the disconnect for the fan. Was it off for any length of time?	No
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Is the cloud logging vacuum readings properly (log in to check)?	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?	Yes
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Were system repairs completed during this visit?	Yes
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Additional sealing completed:	Seam repairs where tape was coming up.
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Sealing Completion Date	2022-01-26
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Sealing Repair Photos



System repairs completed: Fans cleaned out.

System Repair Completion Date 2022-01-26

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
