Transmittal Letter



-	er & Gina Lane	FROM Kristoffer Hinskey
34380 Bea	acon	248-994-2240
Livonia, MI 48150		kristoffer.hinskey@arcadis.com
	, ,	DATE October 5, 2022
PROJECT N 30146655	UMBER	SUBJECT Operation, Monitoring, and Maintenance Field Notes - 34380 Beacon
We are se	nding you:	
Copies	Delivery Date	Description
1	10/6/2022	Operation, monitoring, and maintenance field notes.
☐ AN Ap	proved proved as Noted Requested	☐ CR Correct and Resubmit ☐ Resubmit Copies ☐ F File ☐ Return Copies ☐ FA For Approval ☐ Review and Comment
Mailing M	ethod	
	/Registered Mail	SS ☐ Courier/Hand Delivery ☐ FedEx Priority Overnight ☐ FedEx 2-Day Delivery ☐ United Parcel Service (UPS) ☐ FedEx Standard Overnight ☐ FedEx Economy
Comment		
field note	s. These field not	reemptive mitigation (IPM) system Operation, Monitoring, and Maintenance (OM&M) tes were recorded during OM&M visits at the property between November 30, 2020 telet me know if you have any questions.

Created	2021-02-22 18:54:50 UTC by Seth Turner
Updated	2021-02-22 20:41:59 UTC by Seth Turner
General Information	
System Inspector	Seth Turner
Date	2021-02-22
Time	15:00
System Details Link	34380 Beacon
Property Address	34380 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	35F cloudy
Ambient Temperature	35F
Barometric Pressure	29.73
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?	Yes
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

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

Drains

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

Garage Retrocoat

Is retrocoat damaged or missing?

Shed Retrocoat

Is retrocoat damaged or missing?

Crawlspace Barrier

Is water present on the vapor barrier?

Labels

Are labels present at the pipe, control panel, utube, and breaker?

Yes

Common Label Photos



Are labels present at the garage retrocoat?

Garage Retrocoat Label Photos



Are labels present at the shed retrocoat?

Shed Retrocoat Label Photos

Yes



Are labels present at the crawlspace barrier?



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-4, 15:06, -0.033

34380 Beacon, MP-4
MP-4
2021-02-22
15:06
-0.033

Number Vacuum Reading	-0.033	
MP-5, 15:07, -0.040		
Vacuum ID Link	34380 Beacon, MP-5	
Vacuum ID	MP-5	
Date	2021-02-22	
Time	15:07	
Vacuum Reading (in. w.c.)	-0.040	
Number Vacuum Reading	-0.04	
U-Tube Manometer, 15:07, -2.5		
Vacuum ID Link	34380 Beacon, U-Tube Manometer	
Vacuum ID	U-Tube Manometer	
Date	2021-02-22	
Time	15:07	
Vacuum Reading (in. w.c.)	-2.5	
Number Vacuum Reading	-2.5	
MP-2, 15:08, -0.087		
Vacuum ID Link	34380 Beacon, MP-2	
Vacuum ID	MP-2	
Date	2021-02-22	
Time	15:08	
Vacuum Reading (in. w.c.)	-0.087	
Number Vacuum Reading	-0.087	
MP-3, 15:08, -0.052		
Vacuum ID Link	34380 Beacon, MP-3	
Vacuum ID	MP-3	
Date	2021-02-22	
Time	15:08	
Vacuum Reading (in. w.c.)	-0.052	
Number Vacuum Reading	-0.052	
MP-1, 15:08, -0.526		
Vacuum ID Link	34380 Beacon, MP-1	
Vacuum ID	MP-1	
Date	2021-02-22	
Time	15:08	
Vacuum Reading (in. w.c.)	-0.526	
Number Vacuum Reading	-0.526	
SSMP-2, 15:13, -0.333		
Vacuum ID Link	34380 Beacon, SSMP-2	
Vacuum ID	SSMP-2	
Date	2021-02-22	

Valve ID Link 34380 Beacon, BV-2 Valve ID Date 2021-02-22 Time 15:09 Valve Position at Arrival (% Open) 100 Valve Position at Departure (% Open) 100 BV-3, 15:10, 100 Walve ID Link Valve ID Bet 2021-02-22 Time 15:10 Valve Position at Arrival (% Open) 100 Valve Position at Arrival (% Open) 100 Valve Position at Departure (% Open) 100 BV-4, 15:11, 100 SV-4 Valve ID Link 34380 Beacon, BV-4 Valve Position at Arrival (% Open) 100 Valve Position at Arrival (% Open) 100 Valve Position at Departure (% Open) 100 Valve Position at Departure (% Open) No	Time	15:13
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Do all vacuum monitoring points meet -0.02 in w.c. Yes	Were any vacuum monitoring points not	No
TDFQSDOID/		Yes

Fan cleaned

2021-02-22

System repairs completed:

System Repair Completion Date

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	

Created	2022-04-22 14:37:11 UTC by Seth Turner
Updated	2022-04-22 16:23:33 UTC by Seth Turner
General Information	
System Inspector	Seth Turner
Date	2022-04-22
Time	11:00
System Details Link	34380 Beacon
Property Address	34380 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	50F, cloudy
Ambient Temperature	50
Barometric Pressure	29.92
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?	Yes
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
Dining	
Piping Is any caulking required around pipe penetrations,	No
is any caulking required around pipe penetrations, slab cracks, expansion joints, or foundation walls?	INO
Are piping, piping joints, and brackets intact and secure?	Yes
ls 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	Yes

the prior visit (reference Power BI)?

Drains

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

Garage Retrocoat

Is retrocoat damaged or missing?

Shed Retrocoat

Is retrocoat damaged or missing?

Crawlspace Barrier

Is water present on the vapor barrier?

Labels

Are labels present at the pipe, control panel, utube, and breaker?

Yes

Common Label Photos



Are labels present at the garage retrocoat?

Garage Retrocoat Label Photos



Are labels present at the shed retrocoat?

Shed Retrocoat Label Photos

Yes



Are labels present at the crawlspace barrier?



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, 11:01, -3.2

Vacuum ID Link 34380 Beacon, U-Tube Manometer	
Vacuum ID	U-Tube Manometer
Date	2022-04-22
Time	11:01
Vacuum Reading (in. w.c.)	-3.2

Number Vacuum Reading	-3.2
MP-2, 11:08, -0.069	
Vacuum ID Link	34380 Beacon, MP-2
Vacuum ID	MP-2
Date	2022-04-22
Time	11:08
Vacuum Reading (in. w.c.)	-0.069
Number Vacuum Reading	-0.069
MP-3, 11:09, -0.037	
Vacuum ID Link	34380 Beacon, MP-3
Vacuum ID	MP-3
Date	2022-04-22
Time	11:09
Vacuum Reading (in. w.c.)	-0.037
Number Vacuum Reading	-0.037
MP-1, 11:10, -0.499	
Vacuum ID Link	34380 Beacon, MP-1
Vacuum ID	MP-1
Date	2022-04-22
Time	11:10
Vacuum Reading (in. w.c.)	-0.499
Number Vacuum Reading	-0.499
MP-5, 11:10, -0.033	24200 Danasa MD F
Vacuum ID Link	34380 Beacon, MP-5
Vacuum ID	MP-5
Date	2022-04-22
Time	11:10
Vacuum Reading (in. w.c.)	-0.033
Number Vacuum Reading	-0.033
MP-4, 11:11, -0.039	
Vacuum ID Link	34380 Beacon, MP-4
Vacuum ID	MP-4
Date	2022-04-22
Time	11:11
Vacuum Reading (in. w.c.)	-0.039
Number Vacuum Reading	-0.039
SSMP-2, 11:15, -0.369	
Vacuum ID Link	34380 Beacon, SSMP-2
Vacuum ID	SSMP-2
Date	2022-04-22

Time	11:15
Vacuum Reading (in. w.c.)	-0.369
Number Vacuum Reading	-0.369
U-Tube Manometer, 11:39, -3	3.2
Vacuum ID Link	34380 Beacon, U-Tube Manometer
Vacuum ID	U-Tube Manometer
Date	2022-04-22
Time	11:39
Vacuum Reading (in. w.c.)	-3.2
Number Vacuum Reading	-3.2
MP-2, 11:39, -0.069	
Vacuum ID Link	34380 Beacon, MP-2
Vacuum ID	MP-2
Date	2022-04-22
Time	11:39
Vacuum Reading (in. w.c.)	-0.069
Number Vacuum Reading	-0.069
MP-3, 11:39, -0.037	
Vacuum ID Link	34380 Beacon, MP-3
Vacuum ID	MP-3
Date	2022-04-22
Time	11:39
Vacuum Reading (in. w.c.)	-0.037
Number Vacuum Reading	-0.037
MP-1, 11:39, -0.499	
Vacuum ID Link	34380 Beacon, MP-1
Vacuum ID	MP-1
Date	2022-04-22
Time	11:39
Vacuum Reading (in. w.c.)	-0.499
Number Vacuum Reading	-0.499
MP-5, 11:39, -0.033	
Vacuum ID Link	34380 Beacon, MP-5
Vacuum ID	MP-5
Date	2022-04-22
Time	11:39
Vacuum Reading (in. w.c.)	-0.033
Number Vacuum Reading	-0.033
MP-4, 11:39, -0.039	
Vacuum ID Link	34380 Beacon, MP-4
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Vacuum ID	MP-4
Date	2022-04-22
Time	11:39
Vacuum Reading (in. w.c.)	-0.039
Number Vacuum Reading	-0.039
SSMP-2, 11:39, -0.369	
Vacuum ID Link	34380 Beacon, SSMP-2
Vacuum ID	SSMP-2
Date	2022-04-22
Time	11:39
Vacuum Reading (in. w.c.)	-0.369
Number Vacuum Reading	-0.369
BV-1, 11:03, 100	
Valve ID Link	34380 Beacon, BV-1
Valve ID	BV-1
Date	2022-04-22
Time	11:03
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100
BV-2, 11:05, 100	
Valve ID Link	34380 Beacon, BV-2
Valve ID	BV-2
Date	2022-04-22
Time	11:05
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100
BV-3, 11:07, 100	
Valve ID Link	34380 Beacon, BV-3
Valve ID	BV-3
Date	2022-04-22
Time	11:07
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100
DV 4 11:07 100	
BV-4, 11:07, 100	24290 Peaces DV 4
Valve ID Link	34380 Beacon, BV-4
Valve ID	BV-4
Date	2022-04-22
Time	11:07
Valve Position at Arrival (% Open)	100
Valve Position at Departure (% Open)	100

No

Yes

Inspection Reading Analysis

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Is the system manometer steady?

SSMP/MPs

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

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

Were any ball valve positions changed?

Alarm Testing

Sensaphone Link N/A Does the vacuum switch alarm work? Test the Yes alarm condition and verify an alarm registers. Does the fan disconnect alarm work? Test the Yes alarm condition and verify an alarm registers. Does the transmitter alarm work? Test the alarm N/A condition and verify an alarm registers. Check the alarm history on the disconnect for the No fan. Was it off for any length of time? Is the cloud logging vacuum readings properly (log N/A

Repairs

in to check)?

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: Around SP-2 and SP-3

Sealing Completion Date 2022-04-22

Sealing Repair Photos







System repairs completed:

System Repair Completion Date

System Repair Photos

Fan cleaned.

2022-04-22



Are there outstanding repairs to be completed	d? 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	No
require vapor mitigation?	

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	

email body

Additional Notes and Photos

lotes	Chip in shed retrocoat repaired.
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Photos











