Transmittal Letter



TO Casey & Michelle Nelson 34424 Capitol Livonia, MI 48150

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

PROJECT NUMBER 30146655

FROM Kristoffer Hinskey 248-994-2240 <u>kristoffer.hinskey@arcadis.com</u>

DATE October 5, 2022

SUBJECT Operation, Monitoring, and Maintenance Field Notes - 34424 Capitol

We are sending you:

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

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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 November 30, 2020 and March 31, 2022. Please let me know if you have any questions.

34424 Capitol, 2021-02-17, Full System Inspection

| Created | 2021-02-17 12:25:32 UTC by Seth Turner |
|---------|--|
| Updated | 2021-02-18 16:29:57 UTC by Andrew Banitt |

General Information

| System Inspector | Seth Turner |
|--|------------------------|
| Date | 2021-02-17 |
| Time | 08:00 |
| System Details Link | 34424 Capitol |
| Property Address | 34424 Capitol |
| Check Inspection(s) to be Completed | Full System Inspection |
| Get weather data from National Weather Service Website for your current location? | N/A |
| Weather | -2F, clear |
| Ambient Temperature | -2F |
| 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 Bl)? | Yes |

Drains

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

Crawlspace Barrier

Is water present on the vapor barrier?

Labels

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

Common Label Photos



Are labels present at the crawlspace barrier?

Yes

No

Yes



| Vacuum Monitoring | |
|--|---------------------|
| Is the u-tube accurate (test with micromanometer/manometer, rezero/replace as needed)? | Yes |
| ls 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, 08:02, -0.044 | |
| Vacuum ID Link | 34424 Capitol, MP-4 |

| Vacuum ID Link | 34424 Capitol, MP-4 |
|---------------------------|---------------------|
| Vacuum ID | MP-4 |
| Date | 2021-02-17 |
| Time | 08:02 |
| Vacuum Reading (in. w.c.) | -0.044 |

| Number Vacuum | Reading |
|---------------|---------|
|---------------|---------|

-0.044

MP-3, 08:03, -0.056

| Vacuum ID Link | 34424 Capitol, MP-3 |
|---------------------------|---------------------|
| Vacuum ID | MP-3 |
| Date | 2021-02-17 |
| Time | 08:03 |
| Vacuum Reading (in. w.c.) | -0.056 |
| Number Vacuum Reading | -0.056 |

MP-1, 08:03, -0.048

| Vacuum ID Link | 34424 Capitol, MP-1 |
|---------------------------|---------------------|
| Vacuum ID | MP-1 |
| Date | 2021-02-17 |
| Time | 08:03 |
| Vacuum Reading (in. w.c.) | -0.048 |
| Number Vacuum Reading | -0.048 |
| | |

MP-2, 08:04, -0.048

| Vacuum ID Link | 34424 Capitol, MP-2 | |
|---------------------------|---------------------|--|
| Vacuum ID | MP-2 | |
| Date | 2021-02-17 | |
| Time | 08:04 | |
| Vacuum Reading (in. w.c.) | -0.048 | |
| Number Vacuum Reading | -0.048 | |
| | | |

SSMP-1, 08:04, -0.002

| Vacuum ID Link | 34424 Capitol, SSMP-1 | |
|---------------------------|-----------------------|--|
| Vacuum ID | SSMP-1 | |
| Date | 2021-02-17 | |
| Time | 08:04 | |
| Vacuum Reading (in. w.c.) | -0.002 | |
| Number Vacuum Reading | -0.002 | |
| | | |

U-Tube Manometer, 08:08, -2.4

| Vacuum ID Link | 34424 Capitol, U-Tube Manometer |
|---------------------------|---------------------------------|
| Vacuum ID | U-Tube Manometer |
| Date | 2021-02-17 |
| Time | 08:08 |
| Vacuum Reading (in. w.c.) | -2.4 |
| Number Vacuum Reading | -2.4 |

MP-3, 08:33, -0.057

| Vacuum ID Link | 34424 Capitol, MP-3 |
|----------------|---------------------|
| Vacuum ID | MP-3 |
| Date | 2021-02-17 |

| Time | 08:33 | |
|---------------------------|--------|--|
| Vacuum Reading (in. w.c.) | -0.057 | |
| Number Vacuum Reading | -0.057 | |

MP-4, 08:34, -0.047

| Vacuum ID Link | 34424 Capitol, MP-4 |
|---------------------------|---------------------|
| Vacuum ID | MP-4 |
| Date | 2021-02-17 |
| Time | 08:34 |
| Vacuum Reading (in. w.c.) | -0.047 |
| Number Vacuum Reading | -0.047 |

MP-2, 08:34, -0.052

| 34424 Capitol, MP-2 |
|---------------------|
| MP-2 |
| 2021-02-17 |
| 08:34 |
| -0.052 |
| -0.052 |
| |

MP-1, 08:34, -0.053

| Vacuum ID Link | 34424 Capitol, MP-1 |
|---------------------------|---------------------|
| Vacuum ID | MP-1 |
| Date | 2021-02-17 |
| Time | 08:34 |
| Vacuum Reading (in. w.c.) | -0.053 |
| Number Vacuum Reading | -0.053 |

SSMP-1, 08:34, -0.002

| Vacuum ID Link | 34424 Capitol, SSMP-1 |
|---------------------------|-----------------------|
| Vacuum ID | SSMP-1 |
| Date | 2021-02-17 |
| Time | 08:34 |
| Vacuum Reading (in. w.c.) | -0.002 |
| Number Vacuum Reading | -0.002 |

U-Tube Manometer, 08:35, -2.4

| Vacuum ID Link | 34424 Capitol, U-Tube Manometer |
|---------------------------|---------------------------------|
| Vacuum ID | U-Tube Manometer |
| Date | 2021-02-17 |
| Time | 08:35 |
| Vacuum Reading (in. w.c.) | -2.4 |
| Number Vacuum Reading | -2.4 |
| | |

BV-1, 08:06, 75

Valve ID Link

| Valve ID | BV-1 |
|--------------------------------------|------------|
| Date | 2021-02-17 |
| Time | 08:06 |
| Valve Position at Arrival (% Open) | 75 |
| Valve Position at Departure (% Open) | 75 |

BV-2, 08:06, 50

| Valve ID Link | 34424 Capitol, BV-2 |
|--------------------------------------|---------------------|
| Valve ID | BV-2 |
| Date | 2021-02-17 |
| Time | 08:06 |
| Valve Position at Arrival (% Open) | 50 |
| Valve Position at Departure (% Open) | 50 |
| | |

BV-3, 08:08, 100

| Valve ID Link | 34424 Capitol, BV-3 |
|--------------------------------------|---------------------|
| Valve ID | BV-3 |
| Date | 2021-02-17 |
| Time | 08:08 |
| Valve Position at Arrival (% Open) | 100 |
| Valve Position at Departure (% Open) | 100 |

BV-4, 08:09, 100

| Valve ID Link | 34424 Capitol, BV-4 |
|---|---------------------|
| Valve ID | BV-4 |
| Date | 2021-02-17 |
| Time | 08:09 |
| 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 |
|---|---------|
| SSMP/MPs | |
| Were any vacuum monitoring points not accessible? Please specify. | No |
| Do all vacuum monitoring points meet -0.02 in w.c. threshold? | No |
| Which ones don't and why? | Ssmp-01 |
| Proposed modifications to address vacuum? | N/A |
| Were any ball valve positions changed? | No |

| 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? | No |
| Additional sealing completed: | Taped hole in liner |
| Sealing Completion Date | 2021-02-17 |
| Sealing 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? | Νο |
|--|-----|
| 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 | |

34424 Capitol, 2021-08-26, System Check

| Created | 2021-08-26 20:42:45 UTC by Seth Turner |
|---------|--|
| Updated | 2021-08-26 22:09:58 UTC by Seth Turner |

General Information

| System Inspector | Seth Turner |
|--|---------------|
| Date | 2021-08-26 |
| Time | 16:42 |
| System Details Link | 34424 Capitol |
| Property Address | 34424 Capitol |
| Check Inspection(s) to be Completed | System Check |
| Get weather data from National Weather Service Website for your current location? | N/A |
| Weather | sunny, humid |
| Ambient Temperature | 90F |
| Barometric Pressure | 29.29 |
| Indoor Temperature | 70 |
| | |

Inspection Measurements

Pre-Measurement Conditions

Are vacuum readings being taken under closed Yes building conditions?

Measurements and Valve Positions

U-Tube Manometer, 17:48, -2.5

| Vacuum ID Link | 34424 Capitol, U-Tube Manometer |
|---------------------------|---------------------------------|
| Vacuum ID | U-Tube Manometer |
| Date | 2021-08-26 |
| Time | 17:48 |
| Vacuum Reading (in. w.c.) | -2.5 |
| Number Vacuum Reading | -2.5 |
| | |

MP-1, 17:48, -0.042

| Vacuum ID Link | 34424 Capitol, MP-1 |
|---------------------------|---------------------|
| Vacuum ID | MP-1 |
| Date | 2021-08-26 |
| Time | 17:48 |
| Vacuum Reading (in. w.c.) | -0.042 |
| Number Vacuum Reading | -0.042 |
| | |

SSMP-1, 17:49, -0.000

| Vacuum ID Link | 34424 Capitol, SSMP-1 |
|----------------|-----------------------|
| Vacuum ID | SSMP-1 |
| Date | 2021-08-26 |
| Time | 17:49 |

| Vacuum Reading (in. w.c.) | -0.000 |
|---------------------------|--------|
| Number Vacuum Reading | 0.0 |

MP-2, 17:49, -0.057

| Vacuum ID Link | 34424 Capitol, MP-2 |
|---------------------------|---------------------|
| Vacuum ID | MP-2 |
| Date | 2021-08-26 |
| Time | 17:49 |
| Vacuum Reading (in. w.c.) | -0.057 |
| Number Vacuum Reading | -0.057 |

MP-4, 17:49, -0.026

| Vacuum ID Link | 34424 Capitol, MP-4 |
|---------------------------|---------------------|
| Vacuum ID | MP-4 |
| Date | 2021-08-26 |
| Time | 17:49 |
| Vacuum Reading (in. w.c.) | -0.026 |
| Number Vacuum Reading | -0.026 |
| | |

MP-3, 17:50, -0.087

| Vacuum ID Link | 34424 Capitol, MP-3 |
|---------------------------|---------------------|
| Vacuum ID | MP-3 |
| Date | 2021-08-26 |
| Time | 17:50 |
| Vacuum Reading (in. w.c.) | -0.087 |
| Number Vacuum Reading | -0.087 |
| | |

MP-1, 17:54, -0.064

| Vacuum ID Link | 34424 Capitol, MP-1 |
|---------------------------|---------------------|
| Vacuum ID | MP-1 |
| Date | 2021-08-26 |
| Time | 17:54 |
| Vacuum Reading (in. w.c.) | -0.064 |
| Number Vacuum Reading | -0.064 |

SSMP-1, 17:54, 0.001

| 34424 Capitol, SSMP-1 |
|-----------------------|
| SSMP-1 |
| 2021-08-26 |
| 17:54 |
| 0.001 |
| 0.001 |
| |

| MP-3, 17:54, -0.217 | |
|---------------------|---------------------|
| Vacuum ID Link | 34424 Capitol, MP-3 |
| Vacuum ID | MP-3 |

| Date | 2021-08-26 |
|---------------------------|------------|
| Time | 17:54 |
| Vacuum Reading (in. w.c.) | -0.217 |
| Number Vacuum Reading | -0.217 |

MP-4, 17:55, -0.062

| Vacuum ID Link | 34424 Capitol, MP-4 |
|---------------------------|---------------------|
| Vacuum ID | MP-4 |
| Date | 2021-08-26 |
| Time | 17:55 |
| Vacuum Reading (in. w.c.) | -0.062 |
| Number Vacuum Reading | -0.062 |
| | |

MP-2, 17:55, -0.119

| Vacuum ID Link | 34424 Capitol, MP-2 |
|---------------------------|---------------------|
| Vacuum ID | MP-2 |
| Date | 2021-08-26 |
| Time | 17:55 |
| Vacuum Reading (in. w.c.) | -0.119 |
| Number Vacuum Reading | -0.119 |
| | |

U-Tube Manometer, 17:56, -2.8

| Vacuum ID Link | 34424 Capitol, U-Tube Manometer |
|---------------------------|---------------------------------|
| Vacuum ID | U-Tube Manometer |
| Date | 2021-08-26 |
| Time | 17:56 |
| Vacuum Reading (in. w.c.) | -2.8 |
| Number Vacuum Reading | -2.8 |

BV-1, 17:53, 100

| Valve ID Link | 34424 Capitol, BV-1 |
|--------------------------------------|---------------------|
| Valve ID | BV-1 |
| Date | 2021-08-26 |
| Time | 17:53 |
| Valve Position at Departure (% Open) | 100 |

BV-2, 17:53, 100

| Valve ID Link | 34424 Capitol, BV-2 |
|--------------------------------------|---------------------|
| Valve ID | BV-2 |
| Date | 2021-08-26 |
| Time | 17:53 |
| Valve Position at Departure (% Open) | 100 |

BV-3, 17:53, 0

| Valve ID Link | 34424 Capitol, BV-3 |
|---------------|---------------------|
| Valve ID | BV-3 |

| Date | 2021-08-26 |
|--------------------------------------|------------|
| Time | 17:53 |
| Valve Position at Departure (% Open) | 0 |

BV-4, 17:53, 0

| Valve ID Link | 34424 Capitol, BV-4 |
|--------------------------------------|---------------------|
| Valve ID | BV-4 |
| Date | 2021-08-26 |
| Time | 17:53 |
| Valve Position at Departure (% Open) | 0 |
| | |

BV-1, 17:50, 75

| Valve ID Link | 34424 Capitol, BV-1 |
|--------------------------------------|---------------------|
| Valve ID | BV-1 |
| Date | 2021-08-26 |
| Time | 17:50 |
| Valve Position at Departure (% Open) | 75 |

BV-2, 17:50, 50

| Valve ID Link | 34424 Capitol, BV-2 |
|--------------------------------------|---------------------|
| Valve ID | BV-2 |
| Date | 2021-08-26 |
| Time | 17:50 |
| Valve Position at Departure (% Open) | 50 |

BV-3, 17:50, 100

| 34424 Capitol, BV-3 |
|---------------------|
| 34424 Capitol, DV-3 |
| BV-3 |
| 2021-08-26 |
| 17:50 |
| 100 |
| |

BV-4, 17:50, 100

| Valve ID Link | 34424 Capitol, BV-4 |
|---|---------------------|
| Valve ID | BV-4 |
| Date | 2021-08-26 |
| Time | 17:50 |
| Valve Position at Departure (% Open) | 100 |
| Were interim vacuum readings taken between initial and final vacuum readings? | Yes |
| | |

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? | Yes |
| Did you take final readings? | Yes |
| | |
| 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 | |
| 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

SSMP-3: -0.667

34424 Capitol, 2022-01-31, Full System Inspection

| Created | 2022-01-31 21:50:36 UTC by Seth Turner |
|---------|--|
| Updated | 2022-01-31 22:53:47 UTC by Seth Turner |

General Information

| System Inspector | Seth Turner |
|--|------------------------|
| Date | 2022-01-31 |
| Time | 16:50 |
| System Details Link | 34424 Capitol |
| Property Address | 34424 Capitol |
| Check Inspection(s) to be Completed | Full System Inspection |
| Get weather data from National Weather Service Website for your current location? | N/A |
| Weather | 29F, sunny |
| Ambient Temperature | 29F |
| 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? | 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 Bl)? | Yes |

Drains

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

Crawlspace Barrier

Is water present on the vapor barrier?

Labels

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

Common Label Photos



Are labels present at the crawlspace barrier?

Yes

No



Vacuum Monitoring

| Is the u-tube accurate (test with micromanometer/manometer, rezero/replace as | Yes |
|---|-----|
| needed)? Is the vacuum switch accurate (test with micromanometer)? | Yes |
| Do any monitoring points (MP/SSMP) need to be repaired or replaced? | Νο |
| 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 |

Measurements and Valve Positions

U-Tube Manometer, 17:05, -2.4

| Vacuum ID Link | 34424 Capitol, U-Tube Manometer |
|---------------------------|---------------------------------|
| Vacuum ID | U-Tube Manometer |
| Date | 2022-01-31 |
| Time | 17:05 |
| Vacuum Reading (in. w.c.) | -2.4 |

Number Vacuum Reading

-2.4

MP-1, 17:06, -0.078

| Vacuum ID Link | 34424 Capitol, MP-1 |
|---------------------------|---------------------|
| Vacuum ID | MP-1 |
| Date | 2022-01-31 |
| Time | 17:06 |
| Vacuum Reading (in. w.c.) | -0.078 |
| Number Vacuum Reading | -0.078 |

MP-2, 17:06, -0.111

| Vacuum ID Link | 34424 Capitol, MP-2 |
|---------------------------|---------------------|
| Vacuum ID | MP-2 |
| Date | 2022-01-31 |
| Time | 17:06 |
| Vacuum Reading (in. w.c.) | -0.111 |
| Number Vacuum Reading | -0.111 |
| | |

MP-3, 17:06, -0.155

| Vacuum ID Link | 34424 Capitol, MP-3 |
|---------------------------|---------------------|
| Vacuum ID | MP-3 |
| Date | 2022-01-31 |
| Time | 17:06 |
| Vacuum Reading (in. w.c.) | -0.155 |
| Number Vacuum Reading | -0.155 |
| | |

MP-4, 17:07, -0.075

| Vacuum ID Link | 34424 Capitol, MP-4 |
|---------------------------|---------------------|
| Vacuum ID | MP-4 |
| Date | 2022-01-31 |
| Time | 17:07 |
| Vacuum Reading (in. w.c.) | -0.075 |
| Number Vacuum Reading | -0.075 |
| | |

U-Tube Manometer, 17:37, -2.4

| Vacuum ID Link | 34424 Capitol, U-Tube Manometer |
|---------------------------|---------------------------------|
| Vacuum ID | U-Tube Manometer |
| Date | 2022-01-31 |
| Time | 17:37 |
| Vacuum Reading (in. w.c.) | -2.4 |
| Number Vacuum Reading | -2.4 |

MP-1, 17:37, -0.079

| Vacuum ID Link | 34424 Capitol, MP-1 |
|----------------|---------------------|
| Vacuum ID | MP-1 |
| Date | 2022-01-31 |

| Time | 17:37 |
|---------------------------|--------|
| Vacuum Reading (in. w.c.) | -0.079 |
| Number Vacuum Reading | -0.079 |

MP-2, 17:38, -0.110

| Vacuum ID Link | 34424 Capitol, MP-2 |
|---------------------------|---------------------|
| Vacuum ID | MP-2 |
| Date | 2022-01-31 |
| Time | 17:38 |
| Vacuum Reading (in. w.c.) | -0.110 |
| Number Vacuum Reading | -0.11 |
| | |

MP-3, 17:38, -0.157

| Vacuum ID Link | 34424 Capitol, MP-3 |
|---------------------------|---------------------|
| Vacuum ID | MP-3 |
| Date | 2022-01-31 |
| Time | 17:38 |
| Vacuum Reading (in. w.c.) | -0.157 |
| Number Vacuum Reading | -0.157 |
| | |

MP-4, 17:38, -0.075

| Vacuum ID Link | 34424 Capitol, MP-4 |
|---------------------------|---------------------|
| Vacuum ID | MP-4 |
| Date | 2022-01-31 |
| Time | 17:38 |
| Vacuum Reading (in. w.c.) | -0.075 |
| Number Vacuum Reading | -0.075 |

BV-1, 17:33, 100

| Valve ID Link | 34424 Capitol, BV-1 |
|--------------------------------------|---------------------|
| Valve ID | BV-1 |
| Date | 2022-01-31 |
| Time | 17:33 |
| Valve Position at Arrival (% Open) | 100 |
| Valve Position at Departure (% Open) | 100 |

BV-2, 17:33, 100

| 34424 Capitol, BV-2 |
|---------------------|
| BV-2 |
| 2022-01-31 |
| 17:33 |
| 100 |
| 100 |
| |

BV-3, 17:33, 0

Valve ID Link

| Valve ID | BV-3 |
|--------------------------------------|------------|
| Date | 2022-01-31 |
| Time | 17:33 |
| Valve Position at Arrival (% Open) | 0 |
| Valve Position at Departure (% Open) | 0 |

BV-4, 17:33, 0

| Valve ID Link | 34424 Capitol, BV-4 |
|---|---------------------|
| Valve ID | BV-4 |
| Date | 2022-01-31 |
| Time | 17:33 |
| Valve Position at Arrival (% Open) | 0 |
| Valve Position at Departure (% Open) | 0 |
| 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

| 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 | | |

| 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 |
| 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 | |
| Additional Notes and Photos | |
| Notes | Ssmp-3: -0.659. BV-3 and BV-4 have been closed since the last annual system check |