

EMERSON

# 2019 OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT VAPOR INTRUSION MITIGATION SYSTEMS

SITE NO. 7-55-010: FORMER EMERSON POWER  
TRANSMISSION FACILITY ITHACA, NEW YORK

MAY 08, 2020





# 2019 OPERATION, MAINTENANCE, AND MONITORING ANNUAL REPORT VAPOR INTRUSION MITIGATION SYSTEMS

SITE NO. 7-55-010: FORMER  
EMERSON POWER  
TRANSMISSION FACILITY  
ITHACA, NEW YORK

EMERSON

PROJECT NO.: 31401545.001  
DATE: MAY 8, 2020

WSP  
SUITE 300  
13530 DULLES TECHNOLOGY DRIVE  
HERNDON, VA 20171

TEL.: +1 703 709-6500  
FAX: +1 703 709-8505  
WSP.COM



# TABLE OF CONTENTS

EXECUTIVE SUMMARY .....	1
1 INTRODUCTION.....	2
1.1 Site Description .....	2
1.2 Site History .....	2
1.3 System Installation History .....	2
2 ANNUAL OPERATION AND MAINTENANCE .....	4
3 PROJECT CONTACT LIST .....	5
4 ENGINEERING CERTIFICATION.....	6

---

## FIGURE

FIGURE 1	SITE LOCATION
----------	---------------

---

## TABLES

TABLE 1	ANNUAL LISTING
TABLE 2	HISTORICAL MANOMETER READINGS

---

## APPENDIX

APPENDIX A	INSPECTION LOGS
------------	-----------------

# EXECUTIVE SUMMARY

On behalf of Emerson, WSP has prepared this Operation, Maintenance, and Monitoring (OM&M) Annual Report for activities conducted in the South Hill neighborhood north of the former Emerson Power Transmission (EPT) facility located at 620 South Aurora Street in Ithaca, New York (Site No. 7-55-010). Annual inspection activities were conducted during the 2019 reporting period in accordance with the following:

- New York State Department of Health's (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006).
- Revised Operation, Maintenance, and Monitoring Plan dated January 31, 2008 (OM&M Plan) as approved by the New York State Department of Environmental Conservation (NYSDEC).

On an annual basis, each vapor mitigation system is inspected and maintenance performed, as appropriate, for continued operation. This report describes inspections completed during the 2019 reporting period at residences requiring annual system monitoring. Below is a summary of the inspection activities.

- Sixty (60) residences in the South Hill neighborhood contain mitigation systems currently in operation. Emerson no longer supports OM&M activities at a single residence; Property ID 8.
- Annual inspections were completed at forty-eight (48) of fifty-nine (59) monitored residences between December 2019 and April 2020 (reporting period). In total, eleven (11) residences were not inspected during this period. Efforts to contact and coordinate with these residences had been attempted on multiple occasions but were unsuccessful. Additionally, COVID-19 concerns made home visits impractical and unsafe. WSP elected to cancel six (6) scheduled inspections in March and April due to the COVID-19 Pandemic health and safety concerns.
- The eleven (11) residences that were not inspected during this reporting period are ID 5, ID 17, ID 37, ID 38, ID 52, ID 59, ID 61, ID 67, ID 76, ID 78, and ID 87. WSP will continue to contact the owners of these properties, and if successful, include these inspections in subsequent annual reports.
- Maintenance and repair needs identified during the inspections have been or are schedule to be addressed and corrective actions completed/scheduled by EnviroSAFE Inspections & Consulting (Subcontractor) of Honeoye, New York, under the direction of WSP.

# 1 INTRODUCTION

On behalf of Emerson, WSP has prepared this OM&M Annual Report for activities conducted in the South Hill neighborhood north of the former EPT facility located at 620 South Aurora Street in Ithaca, New York (Site No. 7-55-010). Annual inspection activities were conducted during the 2019 reporting period in accordance with the following:

- New York State Department of Health's (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006)
- Revised Operation, Maintenance, and Monitoring Plan dated January 31, 2008 (OM&M Plan) as approved by the New York State Department of Environmental Conservation (NYSDEC)

On an annual basis, each vapor mitigation system (VMS) is inspected and maintenance performed as appropriate for continued operation. This report describes inspections completed at residences with mitigation systems in operation prior to the end of the 2019 reporting period.

A brief description and history of the former EPT facility and South Hill neighborhood as well as a description of the VMS installation process is provided in Section 1. OM&M activities completed during the 2019 reporting period are presented in Section 2. A project contact list is included in Section 3, and an engineering certification is provided in Section 4.

---

## 1.1 SITE DESCRIPTION

The former EPT site comprises approximately 96 acres within the City and Town of Ithaca, located within Tompkins County, New York (Figure 1). The site is bounded by undeveloped woodland to the south and the west, the South Hill neighborhood and Six Mile Creek to the north, and residential and commercial facilities to the east. The campus of Ithaca College is located upgradient to the southeast of the site.

The South Hill neighborhood is located directly downgradient of the facility's north expanse. The neighborhood is bordered to the north by West Spencer Street and Six Mile Creek, a tributary of Cayuga Lake. Six Mile Creek discharges to Cayuga Lake approximately 2 miles northwest of the South Hill neighborhood.

---

## 1.2 SITE HISTORY

Trichloroethene (TCE) was first discovered in groundwater downgradient of a former on-site fire water reservoir (part of the former EPT facility) during initial site investigations conducted in 1987. The TCE findings were reported by Emerson to the NYSDEC within the same year. A groundwater extraction and treatment system was subsequently installed and continues to operate. The fire water reservoir was decommissioned in 2013.

Under the direction of the NYSDEC, Emerson initiated a residential indoor air sampling program in the South Hill Neighborhood in 2004. The NYSDOH required the collection of air samples on the first floor, basement level, and beneath the concrete slab (if present) in residential properties in the South Hill neighborhood. The results of the indoor air sampling were evaluated for the potential for vapor intrusion of volatile organic compounds (VOCs). Based on the indoor air concentrations of certain VOCs, Emerson initiated a mitigation program to address vapor intrusion issues. Property owners were offered the installation of a mitigation system if mandated by the NYSDOH due to VOC concentrations exceeding NYSDOH Soil Vapor/Indoor Air Matrix guidance values. Emerson voluntarily offered mitigation systems in residences where TCE concentrations in the indoor air exceeded 0.8 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Mitigation of residential properties began in 2005.

---

## 1.3 SYSTEM INSTALLATION HISTORY

Initial installation of each system included sub-slab vacuum communication testing to ensure that the entire slab footprint would be subject to the vacuum forces. As part of the testing, temporary 3/8-inch holes (vacuum monitoring points) were drilled at various locations around the perimeter of the basement or ground floor slabs, if applicable. Vacuum was then

applied to a hole drilled at a central location within the basement slab (the location proposed for the vacuum suction point(s)). Vacuum measurements were collected using a digital manometer inserted into each of the monitoring points. Sub-slab vacuum readings of a minimum of -0.004-inches of water column (in. WC) were considered indicative of adequate communication between the vacuum point and the monitoring point. Multiple suction points were necessary at some residences due to inadequate vacuum influence using the single suction point approach.

Following completion of these pre-design measurements, the mitigation system equipment was installed. The equipment consisted of polyvinyl chloride (PVC) piping extending from the selected vacuum suction point(s), through the basement, to an outside wall location. A mitigation fan was then installed on the outside of the home and connected to the PVC piping, and a liquid filled manometer was installed on the vacuum suction point pipe(s) to facilitate visual inspection of the system operation. At initial startup, the vacuum monitoring points were checked once again to ensure adequate communication throughout the slab. Once the system was confirmed to be operating properly, liquid filled manometer readings were recorded as a baseline reading for subsequent annual inspections. One post-mitigation sampling event was conducted following a minimum of 1 month of operation to confirm the vapor mitigation system was adequately removing VOCs from the indoor air.

## 2 ANNUAL OPERATION AND MAINTENANCE

According to the OM&M Plan, residences with vapor mitigation systems in operation for a minimum of 12 months are to be inspected and maintenance performed as appropriate to ensure proper operation. During this reporting period, fifty-nine (59) residences in the South Hill neighborhood with operating mitigation systems met criteria requiring annual inspection.

- Forty-eight (48) were inspected during the 2019 reporting period as shown in Table 1.
- WSP was unable to complete inspections at eleven (11) residences due to health and safety concerns around the COVID-19 Pandemic, insufficient response from property owners, and/or scheduling conflicts.

OM&M activities performed during the annual inspections included:

- Component Inspection – A visual inspection of the mitigation system included observation of the system piping, vent, fan, liquid manometer, component and pipe labeling, and geomembranes (if present) installed to retard soil vapor intrusion. Each inspection was recorded on an individual log to include manometer readings, inspection of fan, piping, exhaust stack, concrete floors, foundation walls, sump(s) and Drainjers (device that allows water drainage downward while preventing vapor infiltration), where applicable. A historical record of manometer readings is provided in Table 2. Log sheets for each inspection are provided in Appendix A.
- Ancillary Inspection – A visual inspection of the environment surrounding the vapor mitigation system was conducted at each residence. Concrete slabs and foundation walls were inspected for signs of cracks and separating joints. These inspections were specifically focused on vacuum points, sump covers, and Drainjer floor drains. Smoke tests are a tool that is used on sump covers as necessary to verify that no leaks were present. Smoke tests were not necessary during the reporting period. All identified fractures, cracks, and voids were repaired as detailed in the following paragraphs.
- Discharge Inspection – A visual inspection of the exhaust stack was performed on each residence focusing on the integrity of the piping and discharge hood, and the presence of any new air intakes in the vicinity of the discharge.
- Record of Required Repairs – Any observed malfunctions and system irregularities were documented during each inspection. Any repairs that were deemed necessary were addressed (or scheduled) appropriately based on urgency of the action and Subcontractor availability.

Notable repairs and/or maintenance actions were completed/are scheduled to be completed at four (4) residences. Beginning on 03/15/2020, all repairs requiring contractor site visits have been postponed due COVID-19 Pandemic health and safety concerns and the non-essential nature of the repairs. The pending repairs will be completed by WSP staff or the Subcontractor under the direction of WSP when deemed safe following the guidance of the Governor of New York State and the NYSDOH. A description of the issue observed during the annual inspection and the pending work to correct each issue at the four properties is provided below:

- Property ID 29 – The homeowner is planning to replace the basement furnace which will require modifications to the sub-slab. On March 13<sup>th</sup>, 2020 a site walk was conducted with EnviroSAFE Inspections & Consulting (Subcontractor) to determine the extent of the work required. The homeowner plans to remove the old furnace in mid-summer and will notify WSP when the work is complete, at which point the necessary modifications to the sub-slab will be completed.
- Property ID 30 – WSP observed mold growing on the manometer and vacuum piping. On February 26, 2020, the manometer, vacuum piping, brackets and supports were cleaned with a bleach solution.
- Property ID 85 – WSP observed cracks in the basement concrete slab. The scheduled repairs have been delayed until further notice due to COVID-19 health and safety concerns.
- Property ID 89 – WSP observed cracks in the basement concrete slab and a broken bracket on the exhaust stack. The scheduled repairs have been delayed until further notice due to COVID-19 health and safety concerns.

### 3 PROJECT CONTACT LIST

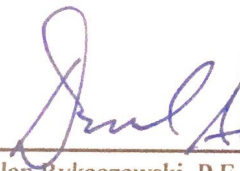
The following is a list of key contacts related to the operation and maintenance program. Should there be any problems related to the mitigation systems installed in the homes within the study area, one of the following personnel should be contacted.


<u>Project Title</u>	<u>Name</u>	<u>Phone Number</u>
WSP Project Manager	Lisa Kelly	212-465-5334
WSP Site Consultant	Nathaniel Winston	315-420-9973
WSP Engineer of Record	David Rykaczewski, P.E.	412-375-0282
Emerson Contact	Steve Clarke	314-553-1953

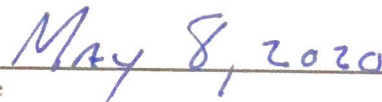
## 4 ENGINEERING CERTIFICATION

ENGINEER'S CERTIFICATION  
VAPOR INTRUSION MITIGATION SYSTEMS  
FORMER EMERSON POWER TRANSMISSION  
620 SOUTH AURORA STREET  
ITHACA, NEW YORK  
SITE NO. 7-55-010

I, David Alan Rykaczewski, P.E., as a Professional Engineer licensed in the state of New York, hereby certify that the vapor intrusion mitigation systems described in this report are in place, are performing properly, and remain an effective engineering control. This certification is made based on annual inspections and observations by WSP staff working with me or under my direction. The operation and maintenance activities described in this report were completed in substantial conformance with the requirements presented in the NYSDEC-approved OM&M Plan entitled "*Operation, Maintenance, and Monitoring Plan, Vapor Intrusion Mitigation Systems, Emerson Power Transmission, 620 Aurora Street, Ithaca, New York, Site No. 7-55-010*", dated January 2008. The work was also performed in accordance with the Record of Decision for the Morse Industrial Site Inactive Hazardous Waste Site, Ithaca, Tompkins County, New York, dated December 1994, and the subsequent Record of Decision Amendment dated June 2009.

  
\_\_\_\_\_  
David Alan Rykaczewski, P.E.  
New York State P.E. No. 099287



  
\_\_\_\_\_  
Date

WSP USA  
11 Stanwix Street, Suite 950  
Pittsburgh, Pennsylvania 15222

FIGURE

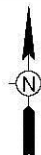




**REFERENCE:**  
7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE  
ITHACA EAST AND WEST, NEW YORK 2016  
SCALE 1:24,000



QUADRANGLE LOCATION



SCALE, FEET



WSP USA Inc.  
13630 DULLES TECHNOLOGY DR  
SUITE 300  
HERNDON, VA 20171  
TEL: +1 703.709.6500

FIGURE 1-1

SITE LOCATION

FORMER EMERSON POWER TRANSMISSION  
ITHACA, NEW YORK  
PREPARED FOR  
EMERSON  
ST. LOUIS, MISSOURI

# TABLES



Table 1

Annual Inspection Summary (a)  
2016 Reporting Period  
Emerson Power Transmission  
Ithaca, New York

ID	System Start	2007 Annual Inspections	2008 Annual Inspections	2009 Annual Inspections	2010 Annual Inspections	2011 Annual Inspections	2012 Annual Inspections	2013 Annual Inspections	2014 Annual Inspections	2015 Annual Inspections	2016 Annual Inspections	2017 Annual Inspections	2018 Annual Inspections	2019 Annual Inspections	Repair Required	Repair Completion	Note
	Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Inspection Date	Yes/No	Date	
29	2/2/2005	10/10/2007	11/14/2008	12/7/2009	1/21/2011	12/13/2011	3/18/2013	1/9/2014	12/2/2014	10/28/2015	10/17/2016	10/30/2017	3/22/2019	2/14/2020	Yes	Pending	
83	2/6/2006	10/9/2007	9/29/2008	9/28/09	9/2/2010	8/17/2011	10/22/2012	11/12/2013	12/2/2014	11/11/2015	10/17/2016	12/12/2017	3/22/2019	2/21/2020	No		
84	2/16/2006	10/8/2007	11/4/2008	12/8/2009	11/10/2010	12/15/2011	3/19/2013	1/31/2014	12/5/2014	10/28/2015	10/26/2016	11/3/2017	12/18/2018	1/14/2020	No		
78	3/29/2006	10/9/2007	9/29/2008	9/28/09	2/15/2011	12/12/2011	3/18/2013	1/17/2014	5/28/2015	3/15/2016	2/2/2017	2/7/2018	1/28/2019	Not Inspected	N/A		
86	5/1/2006	10/10/2007	9/29/2008	9/28/09	9/3/2010	8/29/2011	2/25/2013	8/5/2013, 1/13/2014	12/2/2014	12/17/2015	10/17/2016	11/8/2017	1/28/2019	1/28/2020	No		
33	5/4/2006	10/10/2007	9/30/2008	9/28/09	9/2/2010	8/17/2011	2/25/2013	1/9/2014	5/22/2015	12/17/2015	11/11/2016	12/17/2017	1/30/2019	Not Inspected	N/A		
14	5/18/2006	11/13/2007	Not Inspected	9/28/09	9/3/2010	1/24/2012	4/18/2013	1/17/2014	5/22/2015	2/17/2016	10/17/2016	10/30/2017	1/29/2019	1/17/2020	No		
68	5/18/2006	10/10/2007	9/29/2008	9/28/09	9/3/2010	8/17/2011	10/22/2012	11/12/2013	12/2/2014	10/28/2015	10/18/2016	10/30/2017	1/28/2019	1/7/2020	No		
85	6/6/2006	10/11/2007	9/30/2008	9/28/09	9/10/2010	8/17/2011	2/25/2013	11/15/2013	Not Inspected	2/17/2016	10/17/2016	10/30/2017	1/29/2019	1/20/2020	Yes	Pending	
26	6/14/2006	10/12/2007	9/30/2008	12/7/2009	1/21/2011	12/13/2011	3/19/2013	1/17/2014	3/1/2015	3/28/2016	Not Inspected	Not Inspected	1/28/2019	2/8/2020	N0		
61	6/26/2006	11/13/2007	11/17/2008	Not Inspected	5/5/2010	1/24/2012	3/18/2013	1/13/2014	3/11/2015	12/17/2016	10/17/2016	12/12/2017	1/29/2019	1/29/2020	No		
25	8/2/2006	10/9/2007	9/29/2008	9/28/09	9/2/2010	8/17/2011	2/25/2013	1/13/2014	3/12/2015	12/18/2015	10/17/2016	10/30/2017	1/29/2019	1/14/2020	No		
57	8/14/2006	10/8/2007	9/29/2008	9/28/09	9/3/2010	8/17/2011	2/25/2013	1/9/2014	12/1/2014	10/28/2015	10/17/2016	12/12/2017	1/29/2019	1/14/2020	No		
74	8/21/2006	1/17/2008	9/30/2008	12/8/2009	1/20/2011	1/12/2012	2/25/2013	1/9/2014	12/3/2014	2/18/2016	10/18/2016	11/2/2017	1/29/2019	1/14/2020	No		
8	8/22/2006	11/13/2007	1/15/2009	1/21/2010	1/21/2011	12/13/2011	OM&M Discontinued	OM&M Discontinued	OM&M Discontinued	OM&M Discontinued	OM&M Discontinued	OM&M Discontinued	OM&M Discontinued	OM&M Discontinued	N/A		
38	8/23/2006	10/25/2007	11/4/2008	1/21/2010	Not Inspected	12/14/2011	4/19/2013	1/13/2014	12/5/2014	12/18/2015	11/11/2016	12/12/2017	2/25/2019	Not Inspected	N/A		
76	8/28/2006	10/9/2007	10/21/2008	12/7/2009	2/15/2011	12/13/2011	4/19/2013	1/17/2014	Not Inspected	3/15/2016	2/2/2017	12/12/2017	2/12/2019	Not Inspected	N/A		
65	8/30/2006	10/10/2007	9/29/2008	9/28/09	9/3/10 0900	8/17/2011	10/22/2012	11/12/2013	12/2/2014	10/28/2015	10/18/2016	10/30/2017	1/28/2019	1/7/2020	No		
62	9/7/2006	10/11/2007	11/3/2008	1/21/2010	Not Inspected	1/12/2012	Not Inspected	1/31/2014	5/19/2015	12/18/2015	10/18/2016	11/3/2017	2/7/2019	1/14/2020	No		
73	10/28/2006	11/12/2007	9/29/2008	9/28/09	9/3/2010	8/17/2011	10/22/2012	11/12/2013	12/3/2014	10/28/2015	10/17/2016	12/12/2017	1/25/2019	1/14/2020	No		
79	3/27/2007	N/A	2/15/2008	12/7/2009	2/15/2011	2/2/2012	Not Inspected	1/9/2013	5/27/2015	2/18/2016	10/17/2016	12/14/2017	3/15/2019	2/5/2020	No		
102	4/3/2007	N/A	1/25/2008	4/29/2009	5/5/2010	1/12/2012	3/19/2013	1/9/2013	3/12/2015	3/28/2016	10/17/2016	10/30/2017	2/1/2019	1/14/2020	No		
87	4/4/2007	N/A	2/27/2008	4/29/2009	6/11/2010	12/14/2011	Not Inspected	Not Inspected	Not Inspected	Not Inspected	Not Inspected	11/3/2017	3/22/2019	Not Inspected	N/A		
103	4/6/2007	N/A	3/3/2008	4/29/2009	5/5/2010	6/16/2011	6/26/2012	1/17/2013	5/12/2015	2/19/2016	11/2/2016	11/3/2017	2/28/2019	1/14/2020	No		
66	9/21/2006, 5/17/2007	N/A	2/22/2008	4/30/2009	5/5/2010	8/30/2011	3/18/2013	1/13/2014	Not Inspected	Not Inspected	10/27/2016	10/30/2017	Not Inspected	1/14/2020	No		
71	8/8/2006, 5/24/2007	N/A	11/17/2008	12/7/2009	1/21/2011	12/13/2011	3/19/2013	2/26/2014	Not Inspected	3/28/2016	11/2/2016	11/2/2017	2/1/2019	1/14/2020	No		
100	7/9/2007	N/A	1/14/2009	1/21/2010	2/15/2011	1/12/2012	10/22/2012	2/7/2014	5/21/2015	10/28/2015	12/14/2016	10/30/2017	2/1/2019				
31	8/17/2006, 8/10/2007	N/A	9/30/2008	9/28/09	1/21/2011	12/13/2011	Not Inspected	1/17/2014	5/21/2015	12/17/2015	12/14/2016	12/11/2017	3/22/2019	1/14/2020	No		
97b	11/6/2007	N/A	9/29/2008	9/28/2009	11/10/2010	12/13/2011	4/18/2013	2/7/2014	Not Inspected	2/18/2016	10/24/2016	12/11/2017	1/30/2019	2/6/2020	No		
88	11/17/2007	N/A	N/A	4/9/2009	6/10/2010	1/24/2012	6/26/2012	1/9/2014	5/21/2015	12/17/2015	11/14/2016	10/31/2017	1/25/2019	1/8/2020	No		
93	1/19/2008	N/A	N/A	4/29/2009	6/10/2010	2/15/2011	6/26/2012	11/12/2013	12/3/2014	2/17/2016	10/19/2016	11/3/2017	1/28/2019	1/8/2020	No		
96	3/19/2008	N/A	N/A	12/10/2009	1/20/2011	12/13/2011	3/19/2013	11/15/2013	Not Inspected	3/25/2016	10/25/2016	10/31/2017	2/12/2019	1/14/2020	No		
67	3/19/2008	N/A	N/A	4/29/2009	5/6/2010	8/17/2011	4/18/2013	2/27/2014	5/21/2015	2/19/2016	12/19/2016	12/11/2017	3/22/2019	Not Inspected	N/A		
95	6/20/2008	N/A	N/A	5/28/2009	6/22/2010	1/24/2012	3/19/2013	8/5/2013, 2/27/2014	3/12/2015	2/17/2016	11/3/2016	10/30/2017	3/22/2019	2/4/2020	No		
104	6/24/2008	N/A	N/A	12/7/2009	2/15/2011	12/15/2011	2/26/2012 & 3/18/2013	2/7/2014	3/12/2015	2/19/2016	12/19/2016	10/30/2017	1/28/2019	1/8/2020	No		
99	8/7/2008	N/A	N/A	9/28/09	11/10/2010	12/13/2011	4/19/2013	2/26/2014	12/4/2014	3/25/2016	1/18/2017	Not Inspected	3/8/2019	2/15/2020	No		
89	9/25/2008	N/A	N/A	9/28/09	9/10/2010	8/17/2011	10/22/2012	2/7/2014	12/4/2014	3/15/2016	10/25/2016	11/3/2017	2/11/2019	1/21/2020	Yes	Pending	
98	12/5/2008	N/A	N/A	11/19/2009	2/15/2011	Not Inspected	Not Inspected	2/7/2014	3/3/2015	2/17/2016	10/19/2016	12/11/2017	1/28/2019	1/14/2020	No		
91	7/17/2008, 1/15/2009	N/A	N/A	N/A	5/5/2010	6/16/2011	6/25/2012	11/15/2013	Not Inspected	3/25/2016	10/31/2016	11/3/2017	1/28/2019	1/24/2020	No		
107	1/16/2009	N/A	N/A	N/A	6/10/2010	8/17/2011	2/25/2013	1/31/2014, 2/10/2014	Not Inspected	3/25/2016	10/26/2016	12/11/2017	1/28/2019	1/14/2020	No		
82	3/19/2009	N/A	N/A	N/A	4/1/2010	Not Inspected	Not Inspected	Not Inspected	3/10/2015	2/18/2016	10/25/2016	11/2/2017	3/22/2019	1/10/2020	No		
44	3/25/2009	N/A	N/A	N/A	5/5/2010	6/16/2011	Not Inspected	Not Inspected	Not Inspected	Not Inspected	Not Inspected	Not Inspected	Not Inspected	2/25/2020	No		
9	4/23/2009	N/A	N/A	N/A	5/5/2010	6/16/2011	6/25/2012	Not Inspected	12/3/2014	2/18/2016	10/19/2016	10/30/2017	1/30/2019	1/28/2020	No		
37	4/23/2009	N/A	N/A	N/A	5/5/2010	12/13/2011	3/20/2013	1/9/2014	5/27/2015	2/17/2016	11/2/2016	12/15/2017	1/29/2019	Not Inspected	No		
21	5/13/2009	N/A	N/A	N/A	5/5/2010	6/16/2011	6/25/2012	2/7/2014	5/20/2015	2/18/2016	1/17/2017	12/12/2017	1/29/2019	2/25/2020	No		
46	9/15/2009	N/A	N/A	N/A	9/10/2010	8/17/2011	4/17/2013	1/9/2014	12/2/2014	10/28/2015	2/2/2017	2/7/2018	3/22/2019	1/28/2020	No		
32	12/2/2009	N/A	N/A	N/A	1/20/2011	12/13/2011	4/17/2013	1/17/2014	12/3/2014	2/18/2016	2/2/2017	2/7/2018	1/20/2019	1/28/2020	No		
30	12/21/2009	N/A	N/A	N/A	11/10/2010	2/2/2012	No Inspected	1/31/2014	5/17/2015	2/18/2016	1/16/2017	10/31/2017	3/22/2019	2/26/2020	Yes	2/26/2020	
17	4/30/2010	N/A	N/A	N/A	N/A	1/24/2012	Not Inspected	2/7/2014	3/11/2015	2/19/2016	1/17/2017	2/5/2018	1/0/1900	Not Inspected	N/A		
5	4/30/2010	N/A	N/A	N/A	N/A	8/17/2011	3/19/2013	1/17/2014	5/21/2015	2/17/2016	11/17/2016	10/30/2017	1/30/2019	Not Inspected	No		
59	7/19/2010	N/A	N/A	N/A	N/A	7/19/2011	6/26/2012	11/12/2013	Not Inspected	2/19/2016	11/11/2016	12/15/2017	3/15/2019	Not Inspected	No		
27	7/19/2010	N/A	N/A	N/A	N/A	1/12/2012	2/25/2013	2/26/2014	3/13/2015	3/15/2016	10/26/2016	10/30/2017	2/12/2019	2/5/2020	No		
2	8/31/2010	N/A	N/A	N/A	N/A	1/25/2012	3/20/2013	1/17/2014	Not Inspected	10/27/2015	10/26/2016	10/31/2017	1/30/2019	2/11/2020	No		
97a	8/31/2010	N/A	N/A	N/A	N/A	12/13/2011	4/18/2013	2/7/2014	3/12/2015	2/18/2016	10/24/2016	12/11/2017	1/29/2017	2/18/2020	No		
52	11/9/2010	N/A	N/A	N/A	N/A	3/2/2011	6/25/2012	1/17/2014	12/3/2014	2/19/2016	10/26/2017	10/31/2017	1/30/2019	1/7/2020	No		
24	11/9/2010	N/A	N/A	N/A	N/A	3/2/2011	6/26/2012	1/17/2014	3/12/2015	2/18/2016	11/15/2016	12/11/2017	2/14/2019	2/25/2020	No		
49	11/9/2010	N/A	N/A	N/A	N/A	3/2/2011; 12/15/11	4/17/2013	1/9/2014, 1/13/2014	12/3/2014	3/15/2016	1/1/2016	10/30/2017	3/15/2019	2/20/2020	No		
63	12/2/2010	N/A	N/A	N/A	N/A	3/2/2011	3/20/2013	2/27/2014	3/13/2015	3/28/2016	11/16/2016	2/12/2018	Not Inspected	2/8/2020	No		
7	5/10/2011	N/A	N/A	N/A	N/A	12/15/2011	3/18/2013	2/7/2014, 2/10/									

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
29	10/10/2007	0.80	0.80	0.40		
	9/29/2008	0.80	0.75	0.30		
	12/7/2009	1.00	0.75	<0.25		
	1/21/2011	1.25	1.25	<0.25		
	12/13/2011	1.50	1.25	<0.25		
	3/18/2013	1.50	1.00	<0.25		
	1/9/2014	1.00	1.50	Inaccessible		
	12/2/2014	1.00	1.50	0.25		
	10/28/2015	1.50	1.00	0.25		
	10/16/2016	1.25	0.75	<0.24		
	10/30/2017	1.75	1.25	0.25		
	3/22/2019	1.75	1.25	0.25		
	2/14/2020	0.50	1.00	0.25		
83	10/10/2007	1.00	0.90	0.90	0.90	1.70
	1/17/2008	1.00	0.85	0.90	0.85	1.75
	9/29/2008	1.50	0.90	0.80	1.00	0.90
	9/28/2009	1.60	0.90	0.80	0.90	0.80
	9/3/2010	1.80	1.00	0.90	1.00	0.90
	8/17/2011	1.75	1.00	1.00	1.00	1.00
	10/22/2013	1.70	1.00	0.90	1.00	0.85
	11/12/2013	1.50	0.75	0.75	0.75	0.75
	12/2/2014	1.25	0.75	0.75	0.75	0.75
	11/11/2015	1.25	0.75	0.50	0.75	0.75
	10/17/2016	1.75	1.00	0.80	1.00	0.80
	12/12/2017	1.00	1.00	1.00	1.00	0.90
	3/22/2019	1.00	0.75	1.00	1.00	1.00
	2/21/2020	1.00	0.75	1.00	1.00	1.00
84	10/8/2007	2.50				
	11/4/2008	2.50				
	12/8/2009	2.50				
	11/10/2010	2.50				
	12/15/2011	2.50				
	3/19/2013	2.25				
	1/31/2014	1.00				
	12/5/2014	2.00				
	10/28/2015	2.00				
	10/26/2016	2.10				
	11/3/2017	2.00				
	12/18/2018	2.00				
	1/14/2020	2.25				
78	10/9/2007	2.50				
	2/15/2008	2.50				
	9/29/2008	2.50	1.90			
	9/28/2009	2.50	2.00			
	2/15/2011	2.75	2.00			
	12/12/2011	2.50	2.00			
	3/18/2013	2.50	2.00			
	1/17/2014	2.50	2.00			
	5/28/2015	2.50	2.25			
	3/15/2016	2.50	2.25			
	2/2/2017	2.25	2.25			
	2/7/2017	1.50	1.00			
	1/28/2019	2.50	2.25			

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
86	10/10/2007	2.50				
	1/23/2008	2.50				
	9/29/2008	2.50				
	9/28/2009	2.25				
	9/3/2010	2.10				
	8/29/2011	2.50				
	2/25/2013	2.50				
	1/13/2014	2.50				
	12/2/2014	2.50				
	12/17/2015	2.50				
	10/17/2016	2.50				
	11/8/2017	2.50				
	1/28/2019	2.75				
	1/28/2020	2.75				
33	10/10/2007	2.20				
	1/23/2008	2.25				
	9/30/2008	2.30				
	9/28/2009	2.25				
	9/2/2010	2.00				
	8/17/2011	2.25				
	2/25/2013	2.20				
	1/9/2014	Not Inspected				
	5/22/2015	2.50				
	12/17/2015	2.25				
	11/11/2016	2.25				
	12/14/2017	2.25				
	1/30/2019	1.25				
	1/7/2020	2.25				
14	11/13/2007	Drained	1.25			
	1/25/2008	1.20	1.50			
	9/28/2009	1.20	1.50			
	9/3/2010	1.50	1.20			
	1/24/2012	3.75	1.20			
	4/18/2013	3.25	1.25			
	1/17/2014	3.25	1.25			
	5/22/2015	2.50	1.50			
	2/17/2016	1.50	1.25			
	10/17/2016	1.50	1.25			
	10/30/2017	1.50	1.25			
	1/29/2019	1.50	1.25			
	1/17/2020	1.50	1.25			
68	10/10/2007	1.50				
	1/17/2008	1.50				
	9/29/2008	1.50				
	9/28/2009	1.50				
	9/3/2010	1.50				
	8/17/2011	1.50				
	10/22/2012	1.50				
	11/12/2013	1.50				
	12/2/2014	1.50				
	10/28/2015	1.50				
	10/18/2016	1.50				
	10/30/2017	1.50				
	1/28/2019	1.25				
	1/7/2020	1.50				

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
85	10/11/2007	2.30				
	1/25/2008	2.25				
	9/30/2008	2.25				
	9/28/2009	2.25				
	11/10/2010	2.20				
	8/17/2011	2.25				
	2/25/2013	2.40				
	11/15/2013	2.25				
	2/17/2016	2.50				
	10/17/2016	2.25				
	10/30/2017	2.50				
	1/29/2019	2.50				
26	10/12/2007	2.40				
	1/17/2008	2.50				
	9/30/2008	2.50				
	12/7/2009	2.50				
	1/21/2011	2.25				
	12/13/2011	2.50				
	3/19/2013	2.50				
	1/17/2014	2.50				
	3/1/2015	2.50				
	3/28/2016	2.75				
	1/28/2019	2.50				
	1/7/2020	2.50				
61	11/13/2007	1.25				
	2/15/2008	1.25				
	11/17/2008	1.25				
	5/5/2010	1.20				
	1/24/2012	1.00				
	3/18/2013	1.00				
	1/13/2014	1.25				
	3/11/2015	1.50				
	12/17/2015	1.00				
	10/17/2016	1.00				
	12/12/2017	1.00				
	1/29/2019	1.00				
25	10/9/2007	2.00				
	9/29/2008	2.00				
	9/28/2009	2.00				
	9/3/2010	2.00				
	8/17/2011	2.00				
	2/25/2013	1.75				
	1/13/2014	1.75				
	3/12/2015	1.75				
	12/18/2015	1.75				
	10/17/2016	1.60				
	10/30/2017	1.75				
	1/29/2019	1.75				
	1/14/2020	1.75				

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
57	10/8/2007	1.50				
	2/22/2008	2.00				
	9/29/2008	2.25				
	9/28/2009	2.25				
	9/3/2010	2.10				
	8/17/2011	2.25				
	2/25/2013	2.00				
	1/9/2014	1.75				
	12/1/2014	2.00				
	10/28/2015	2.25				
	10/17/2016	2.10				
	12/12/2017	2.00				
	1/29/2019	1.75				
	1/14/2020	1.90				
74	1/17/2008	2.25				
	9/30/2008	2.25				
	12/8/2009	2.25				
	1/20/2011	2.25				
	1/12/2012	2.25				
	2/25/2013	2.50				
	1/9/2014	2.25				
	12/3/2014	2.50				
	2/18/2016	2.50				
	10/18/2016	2.25				
	11/2/2017	2.50				
	1/29/2019	2.25				
	1/14/2020	2.25				
38	10/25/2007	2.50				
	2/15/2008	2.50				
	11/4/2008	3.50				
	1/21/2010	2.50				
	12/14/2011	2.50				
	4/19/2013	2.50				
	1/13/2014	2.50				
	12/5/2014	2.50				
	12/18/2015	2.50				
	11/11/2016	2.50				
	12/12/2017	2.50				
	2/25/2019	2.25				
76	10/9/2007	2.25				
	1/25/2008	2.20				
	9/30/2008	2.10				
	12/7/2009	2.10				
	2/15/2011	2.00				
	12/13/2011	2.15				
	4/19/2013	2.00				
	1/17/2014	2.00				
	3/15/2016	1.75				
	2/2/2017	1.50				
	2/12/2018	1.75				
	2/12/2019	1.75				

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
65	10/10/2007	2.25				
	1/17/2008	2.25				
	10/1/2008	2.50				
	9/28/2009	2.25				
	9/3/2010	2.10				
	8/17/2011	2.25				
	10/22/2012	2.25				
	11/12/2013	2.50				
	12/2/2014	2.25				
	10/28/2015	2.25				
	10/18/2016	2.25				
	10/30/2017	2.25				
	1/28/2019	2.25				
	1/7/2020	2.25				
62	10/11/2007	1.50				
	1/23/2008	1.50				
	11/3/2008	1.25				
	1/21/2011	1.75				
	1/12/2012	1.50				
	1/31/2014	1.50				
	5/19/2015	1.50				
	12/18/2015	1.50				
	10/18/2016	1.50				
	11/3/2017	1.50				
	2/21/2019	1.50				
	1/14/2020	1.50				
73	11/12/2007	10.0				
	9/29/2008	12.0				
	9/28/2009	12.0				
	9/3/2010	12.0				
	8/17/2011	12.0				
	10/22/2012	12.5				
	11/12/2013	12.0				
	12/3/2014	12.0				
	10/28/2015	14.0				
	10/17/2016	13.0				
	12/12/2017	14.0				
	1/24/2019	14.0				
	1/14/2020	14.0				
79	1/28/2008	2.70				
	2/15/2008	2.70				
	12/7/2009	2.75				
	2/15/2011	2.75				
	1/9/2014	2.75				
	5/27/2015	2.75				
	2/18/2016	2.75				
	10/17/2016	2.75				
	12/14/2017	2.75				
	3/15/2019	2.75				
	2/5/2020	2.75				

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
102	1/25/2008	Not Installed	Not Installed			
	11/5/2008	4.00	5.00			
	4/29/2009	4.00	5.00			
	5/5/2010	4.00	5.00			
	1/12/2012	5.00	4.00			
	3/19/2013	5.00	4.00			
	1/9/2014	4.00	5.00			
	3/12/2015	4.00	5.00			
	3/28/2016	5.00	4.00			
	10/17/2016	4.00	5.00			
	10/30/2017	5.00	5.00			
	2/1/2019	5.00	5.00			
	1/14/2020	5.00	5.00			
87	1/28/2008	1.95				
	4/29/2009	2.00				
	6/11/2010	2.00				
	12/13/2011	2.00				
	11/3/2017	1.25				
	3/22/2019	1.25				
103	1/23/2008	2.25				
	4/29/2009	2.30				
	5/5/2010	2.25				
	6/16/2011	2.25				
	6/26/2012	2.25				
	1/17/2014	2.50				
	5/12/2015	2.25				
	2/19/2016	2.25				
	11/2/2016	2.25				
	11/3/2017	2.25				
	2/28/2019	2.25				
	1/14/2020	2.50				
66	1/28/2008	1.85				
	2/22/2008	1.85				
	4/30/2009	1.85				
	5/5/2010	2.00				
	9/1/2011	1.90				
	3/18/2013	2.00				
	1/13/2014	1.85				
	10/27/2016	1.50				
	10/30/2017	1.50				
	1/30/2019	2.25				
	1/14/2020	1.50				
71	1/28/2008	1.80				
	11/17/2008	1.80				
	12/7/2009	1.75				
	1/21/2011	1.75				
	12/13/2011	1.75				
	3/20/2013	1.75				
	2/26/2014	1.75				
	3/28/2016	1.00				
	11/2/2016	1.25				
	11/2/2017	1.50				
	2/1/2019	0.50				
	1/14/2020	0.50				

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
100	1/30/2008	0.65				
	2/15/2008	0.65				
	1/14/2009	0.80				
	1/21/2010	0.75				
	2/15/2011	0.60				
	1/12/2012	0.60				
	10/22/2012	0.65				
	2/7/2014	0.50				
	5/21/2015	0.50				
	10/28/2015	0.50				
	12/14/2016	0.50				
	10/30/2017	0.75				
	2/1/2019	0.50				
	1/22/2020	0.75				
31	1/28/2008	1.30				
	9/30/2008	1.25				
	9/28/2009	1.25				
	1/21/2011	1.25				
	12/13/2011	1.25				
	1/17/2014	1.25				
	5/21/2015	1.25				
	12/17/2015	1.25				
	12/14/2016	1.25				
	12/11/2017	1.25				
	3/22/2019	1.25				
	1/14/2020	1.50				
97b	2/7/2008	2.05				
	9/29/2008	2.00				
	9/28/2009	2.25				
	11/10/2010	2.05				
	12/13/2011	1.70				
	4/18/2013	2.00				
	2/7/2014	2.25				
	2/18/2016	2.00				
	10/24/2016	1.75				
	12/11/2017	2.00				
	1/30/2019	1.75				
	2/6/2020	2.00				
88	4/29/2009	1.80				
	6/10/2010	1.50				
	1/24/2012	1.60				
	6/26/2012	1.50				
	1/9/2014	1.50				
	5/21/2015	1.50				
	12/17/2015	1.50				
	11/14/2016	1.50				
	10/31/2017	1.50				
	1/25/2019	1.50				
	1/8/2020	1.50				

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
93	4/29/2009	2.20				
	6/10/2010	0.80				
	2/15/2011	1.00				
	6/26/2012	1.00				
	11/12/2013	0.75				
	12/3/2014	1.00				
	2/17/2016	1.75				
	10/19/2016	0.75				
	11/3/2017	0.75				
	1/28/2019	1.00				
	1/8/2020	1.00				
96	12/10/2009	2.50				
	1/20/2011	2.75				
	12/13/2011	1.60				
	3/19/2013	0.25				
	11/15/2013	1.00				
	3/25/2016	1.25				
	10/25/2016	1.00				
	10/31/2017	1.50				
	2/12/2019	1.50				
	1/14/2020	1.25				
67	4/29/2009	1.80	1.80			
	5/6/2010	1.75	1.80			
	8/17/2011	1.50	1.75			
	4/18/2013	1.50	1.75			
	2/27/2013	1.50	1.75			
	5/21/2015	1.50	1.75			
	2/19/2016	1.75	1.50			
	12/19/2016	1.75	1.50			
	12/11/2017	1.75	1.50			
	3/22/2019	1.75	1.25			
95	5/28/2009	1.25	1.00			
	6/22/2010	1.10	1.00			
	1/24/2012	1.25	1.00			
	3/19/2013	1.25	1.25			
	2/27/2013	1.25	1.25			
	3/12/2015	1.00	1.25			
	2/17/2016	1.50	1.25			
	11/3/2016	1.30	1.25			
	10/30/2017	1.50	1.50			
	3/22/2019	1.50	1.50			
	2/4/2020	1.25	1.25			
104	12/7/2009	1.00	1.00			
	12/15/2011	1.00	1.00			
	6/26/2012	1.50	1.40			
	4/19/2013	1.00	1.00			
	2/7/2014	1.25	1.25			
	3/12/2015	1.25	1.25			
	2/19/2016	1.25	1.75			
	12/19/2016	1.50	1.75			
	10/30/2017	1.50	1.75			
	1/28/2019	1.25	2.25			
	1/8/2020	1.25	2.25			

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
99	11/6/2008	0.60	0.50	0.75		
	9/28/2009	0.60	0.50	0.75		
	11/10/2010	0.50	0.40	0.60		
	12/13/2011	0.50	0.50	0.50		
	4/19/2013	0.50	0.50	0.50		
	2/26/2014	0.25	0.25	0.50		
	12/4/2014	0.25	0.50	0.50		
	3/25/2016	0.25	0.25	0.25		
	1/18/2017	0.25	0.25	0.25		
	3/22/2019	0.50	1.00	0.50		
	2/15/2020	0.50	1.00	0.50		
89	9/28/2009	0.15	0.15	0.15	0.35	0.50
	11/10/2010	0.10	0.10	0.10	0.20	0.20
	8/17/2011	0.20	0.20	0.20	0.50	0.50
	11/6/2012	0.15	0.25	0.25	0.75	1.00
	2/7/2014	0.25	0.25	0.25	0.25	1.25
	12/4/2014	0.25	0.25	0.25	0.75	1.25
	3/15/2016	0.25	0.25	0.25	0.75	1.25
	10/25/2016	0.25	0.25	0.25	0.75	1.25
	11/3/2017	0.25	0.25	0.25	0.50	1.25
	2/11/2019	0.25	0.25	0.25	2.50	2.50
	1/21/2020	0.25	0.25	0.25	1.75	2.50
98	11/19/2009	1.20	1.00			
	2/15/2011	1.25	1.00			
	2/7/2014	1.25	1.00			
	3/13/2015	1.25	1.00			
	2/17/2016	1.25	1.00			
	10/19/2016	1.50	1.00			
	12/11/2017	1.25	1.00			
	1/28/2019	1.25	1.00			
91	5/5/2010	1.20	0.25			
	6/16/2011	1.25	0.25			
	6/25/2012	1.50	0.25			
	11/15/2013	1.25	0.25			
	3/25/2016	1.25	0.25			
	10/31/2016	1.50	0.25			
	11/3/2017	1.25	0.25			
	1/28/2019	0.75	0.50			
107	1/24/2020	0.50	0.50			
	6/10/2010	0.50				
	8/17/2011	0.40				
	2/25/2013	0.20				
	2/4/2014	0.50				
	3/25/2016	0.75				
	10/26/2016	0.80				
	12/11/2017	1.00				
82	1/28/2019	0.75				
	1/14/2020	0.75				
	4/1/2010	1.75				
	3/10/2015	1.75				
	2/18/2016	1.50				
	10/25/2016	1.75				
	11/2/2017	2.75				
	3/22/2019	1.25				
	1/10/2020	1.25				

**Table 2**

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
44	5/5/2010	0.70	0.90	0.10		
	6/16/2011	1.60	0.90	0.10		
	2/25/2020	1.25	1.00	0.25		

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
9	5/5/2010	0.80	0.30	0.75	0.85	
	6/16/2011	0.85	0.35	1.00	2.70	0.75
	6/25/2012	0.75	0.50	1.00	1.75	0.75
	12/3/2014	0.75	0.50	1.00	1.75	0.75
	2/18/2016	0.50	0.75	0.75	2.25	0.75
	10/19/2016	1.00	1.75	1.00	0.75	0.90
	10/30/2017	0.75	2.25	2.75	2.25	1.00
	1/30/2019	0.75	1.00	1.25	2.00	2.00
	1/28/2020	0.75	1.25	1.00	1.75	1.75
37	5/5/2010	0.80	0.60	0.85		
	12/13/2011	0.75	0.50	1.25		
	3/19/2013	0.75	0.75	0.75		
	1/9/2014	0.75	0.75	1.25		
	5/27/2015	1.50	0.75	0.75		
	2/17/2016	1.50	0.75	1.50		
	11/2/2016	0.90	0.75	1.50		
	12/15/2017	1.00	0.75	1.25		
	1/29/2019	1.00	0.75	1.25		
21	5/5/2010	1.25	0.50	0.25	0.45	
	6/16/2011	1.25	0.50	0.25	0.45	
	6/26/2012	1.00	0.50	0.50	0.25	
	2/7/2014	1.00	0.25	0.75	0.25	
	5/20/2015	1.25	1.00	0.75	0.25	
	2/18/2016	1.25	1.50	0.75	0.25	
	1/17/2017	1.25	1.50	1.25	0.25	
	12/12/2017	1.25	1.50	1.00	0.25	
	1/29/2019	0.75	1.25	0.75	1.00	
46	2/25/2020	1.00	1.25	1.00	1.00	
	11/10/2010	1.50	1.00			
	8/17/2011	1.25	1.00			
	2/25/2013	2.00	1.00			
	1/9/2014	1.25	1.25			
	12/2/2014	1.35	1.25			
	10/28/2015	1.50	1.00			
	2/2/2017	1.50	1.00			
	2/7/2018	1.50	1.00			
32	3/22/2019	1.50	1.00			
	1/28/2020	1.50	1.00			
	1/20/2011	0.80	1.60	1.90		
	12/13/2011	0.30	2.00	1.75		
	4/17/2013	1.00	1.50	1.75		
	1/17/2014	0.95	1.50	1.50		
	12/3/2014	0.75	1.50	1.50		
	2/18/2016	0.75	1.75	1.50		
	2/1/2017	0.75	1.50	1.50		
30	12/11/2017	1.25	1.25	1.50		
	1/20/2019	1.75	1.50	0.50		
	1/28/2020	1.25	1.50	0.50		
	11/10/2010	1.50	1.50			
	2/2/2012	1.25	1.50			
	1/31/2014	1.25	1.50			
	5/17/2015	1.25	1.00			
	2/18/2016	1.00	1.25			
	1/16/2017	1.25	1.25			
30	10/31/2017	1.25	1.25			

**Table 2**

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
	3/22/2019	1.25	1.00			
	2/26/2020	1.25	1.00			

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
17	1/24/2012	2.00				
	2/7/2014	2.00				
	3/11/2015	1.75				
	2/19/2016	2.00				
	1/17/2017	2.00				
	2/5/2018	2.00				
	4/5/2019	2.00				
5	8/17/2011	2.00	1.50			
	3/19/2013	2.00	1.50			
	1/17/2014	2.00	1.50			
	5/21/2015	2.00	1.50			
	2/17/2016	1.50	2.00			
	11/11/2016	2.00	1.25			
	10/30/2017	2.00	1.25			
	1/30/2019	1.75	1.25			
59	8/17/2011	1.50	1.60	2.50	0.75	
	6/26/2012	1.50	1.50	2.50	0.75	
	11/12/2013	1.50	1.50	2.50	0.25	
	2/19/2016	2.50	1.25	1.75	0.25	
	11/11/2016	1.50	1.50	2.50	2.50	
	12/15/2017	2.25	1.75	2.75	0.25	
	3/15/2019	2.25	1.75	2.75	0.25	
27	3/2/2011	2.75				
	1/12/2012	2.50				
	2/25/2013	2.75				
	2/26/2014	2.50				
	3/13/2015	2.50				
	3/25/2016	2.50				
	10/26/2016	2.75				
	10/30/2017	2.75				
	2/12/2019	2.75				
2	1/25/2012	2.00	1.60	0.75		
	3/20/2013	1.75	2.00	0.75		
	1/17/2014	2.00	1.75	1.00		
	10/27/2015	2.50	1.25	2.00		
	10/26/2016	2.00	1.25	1.75		
	10/31/2017	2.75	1.75	2.00		
	1/30/2019	1.75	2.00	1.25		
	1/28/2020	2.00	1.75	1.00		
97a	12/13/2011	2.00	0.50			
	4/18/2013	2.00	0.50			
	2/7/2014	2.00	0.50			
	3/12/2015	2.00	0.50			
	2/18/2016	2.00	0.50			
	10/24/2016	2.00	0.50			
	12/11/2017	2.00	0.50			
	1/29/2019	2.00	0.50			
	2/18/2020	2.00	0.75			

Table 2

**Historical Manometer Readings  
Former Emerson Power Transmission Site  
Ithaca, New York**

Property ID	Date	Manometer 1	Manometer 2	Manometer 3	Manometer 4	Manometer 5
52	3/2/2011	2.00				
	6/26/2012	2.00				
	1/17/2014	2.00				
	12/3/2014	2.00				
	2/19/2016	1.50				
	10/26/2016	1.25				
	10/31/2017	1.25				
	1/30/2019	1.25				
24	3/2/2011	2.00	1.85			
	6/26/2012	2.00	1.85			
	1/17/2014	1.75	1.65			
	3/12/2015	1.50	1.50			
	2/18/2016	2.00	1.75			
	11/15/2016	1.50	1.75			
	12/11/2017	1.50	1.25			
	2/14/2019	1.75	1.50			
49	2/25/2020	1.75	1.50			
	12/15/2011	2.50	0.25	0.10	0.10	
	4/17/2013	2.25	0.25	0.10	0.10	
	1/9/2014	1.75	0.50	0.25	0.25	
	12/3/2014	2.00	1.50	0.15	1.25	
	3/15/2016	2.00	1.75	1.25	1.25	
	11/1/2016	2.25	1.90	1.25	1.25	
	10/30/2017	2.50	2.25	2.50	2.50	
63	3/15/2019	2.75	1.75	1.25	1.25	
	2/20/2020	2.25	1.75	1.75	1.50	
	3/2/2011	0.75				
	3/2/2013	0.75				
	2/27/2014	1.00				
	3/13/2015	0.75				
	3/24/2016	1.00				
	11/16/2016	1.00				
7	2/12/2018	1.00				
	2/8/2020	1.00				
	4/19/2013	1.50				
	2/10/2014	1.50				
	5/19/2015	1.50				
	2/19/2016	1.50				
	10/24/2016	1.50				
	12/12/2017	1.50				
12	2/25/2019	1.50				
	2/20/2020	1.75				
12	10/20/2017	1.00				

# APPENDIX

## A INSPECTION LOG



Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 52

Date: \_\_\_\_\_ 2/25/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1330

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1345

Weather Conditions: \_\_\_\_\_ 35F

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.25	Working well
Manometer #2	1.00	Working well
Manometer #3	0.25	Working well
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

**Equipment**

**Reason for Maintenance**

**Description of Maintenance Action**

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 26

Date: \_\_\_\_\_ 1/7/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1000

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1020

Weather Conditions: \_\_\_\_\_ Clear 32F

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** Manometer #3

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.50	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 99

Date: 2/15/2020

Inspector (print): Nathaniel Winston

Arrival Time: 0920

Inspector (sign): 

Departure Time: 1045

Weather Conditions: rainy 40F

Reason for Visit (check all that apply):

Annual O&M X

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

Fan No observed issues

Piping No observed issues

Manometer(s) No observed issues

Exhaust Stack No observed issues

Concrete Floor No observed issues

Foundation Walls No observed issues

Sump(s) No observed issues

Dranjer(s) N/A

Sewer Pipe Sealed: N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	0.50	Working well
Manometer #2	1.00	Working well
Manometer #3	0.50	Working well
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 32

Date: \_\_\_\_\_ 1/28/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1315

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1345

Weather Conditions: \_\_\_\_\_ Cloudy 38 F

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** No observed issues

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.25	Working well
Manometer #2	1.50	Working well
Manometer #3	0.50	Working well
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

**Equipment**

**Reason for Maintenance**

**Description of Maintenance Action**

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 46

Date: \_\_\_\_\_ 1/28/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1245

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1315

Weather Conditions: \_\_\_\_\_ 38F Cloudy

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** No observed issues

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.50	Working well
Manometer #2	1.00	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment \_\_\_\_\_

Reason for Maintenance \_\_\_\_\_

Description of Maintenance Action \_\_\_\_\_

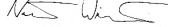
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 104

Date: 1/8/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1500

Inspector (sign): 

Departure Time: 1520

Weather Conditions: Clear 32F

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** No observed issues

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.25	Working well
Manometer #2	2.25	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 31

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1500

Inspector (sign): 

Departure Time: 1520

Weather Conditions: 40F cloudy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST  
Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** No observed issues

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.50	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

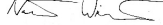
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 100

Date: 1/22/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1230

Inspector (sign): 

Departure Time: 1300

Weather Conditions: 30F, Sunny

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** No Observed Issues

**Sewer Pipe Sealed:** yes

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	0.75	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 21

Date: \_\_\_\_\_ 2/25/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1130

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1200

Weather Conditions: \_\_\_\_\_ 34F, rain

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.00	Working well
Manometer #2	1.25	Working well
Manometer #3	1.00	Working well
Manometer #4	1.00	Working well
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

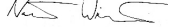
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 30

Date: \_\_\_\_\_ 2/26/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 0800

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 0825

Weather Conditions: \_\_\_\_\_ 37F cloudy

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.25	Working well
Manometer #2	1.00	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

Condensation forming on outside of PVC piping causing mold to grow.

SYSTEM MAINTENANCE

Equipment \_\_\_\_\_

Reason for Maintenance \_\_\_\_\_

Description of Maintenance Action \_\_\_\_\_

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 63

Date: 2/8/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1530

Inspector (sign): 

Departure Time: 1645

Weather Conditions: 35F

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** Water staining/pooling around foundation walls

**Foundation Walls** Water intrusion around foundation walls, concrete chipping away, foundation walls are in poor condition

**Sump(s)** No observed issues

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.00	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

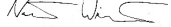
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 24

Date: \_\_\_\_\_ 2/25/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1400

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1425

Weather Conditions: \_\_\_\_\_ 42F, Cloudy

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.75	Working well
Manometer #2	1.50	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

**Equipment**

**Reason for Maintenance**

**Description of Maintenance Action**

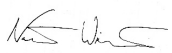
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 88

Date: 1/8/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1330

Inspector (sign): 

Departure Time: 1350

Weather Conditions: Clear 32F

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** slight vibration at fan box

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.50	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

**Equipment** N/A

**Reason for Maintenance** N/A

**Description of Maintenance Action** N/A

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 33

Date: \_\_\_\_\_ 1/7/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 0845

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 0905

Weather Conditions: \_\_\_\_\_ 30F

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.25	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

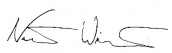
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 95

Date: 2/4/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1400

Inspector (sign): 

Departure Time: 1415

Weather Conditions: 37F overcast

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.25	Working well
Manometer #2	1.25	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 71

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1530

Inspector (sign): 

Departure Time: 1545

Weather Conditions: 40F, Sunny

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	0.50	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

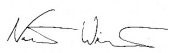
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 103

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 0820

Inspector (sign): 

Departure Time: 0840

Weather Conditions: 30F Clear

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.50	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 49

Date: \_\_\_\_\_ 2/20/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1300

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1330

Weather Conditions: \_\_\_\_\_ 40F

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.25	Working well
Manometer #2	1.75	Working well
Manometer #3	1.75	Working well
Manometer #4	1.50	Working well
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

**Equipment**

**Reason for Maintenance**

**Description of Maintenance Action**

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 91

Date: 1/24/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1000

Inspector (sign): 

Departure Time: 1025

Weather Conditions: 37F, Clear

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	0.50	Working well
Manometer #2	0.50	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

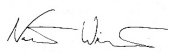
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 66

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1130

Inspector (sign): 

Departure Time: 1200

Weather Conditions: 60F Rainy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.50	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

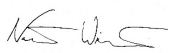
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 84

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 0900

Inspector (sign): 

Departure Time: 0925

Weather Conditions: 30F Cloudy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.25	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 2

Date: \_\_\_\_\_ 2/11/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1230

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1300

Weather Conditions: \_\_\_\_\_ 88F

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.00	Working well
Manometer #2	1.75	Working well
Manometer #3	1.00	Working well
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment \_\_\_\_\_

Reason for Maintenance \_\_\_\_\_

Description of Maintenance Action \_\_\_\_\_

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 27

Date: 2/5/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1000

Inspector (sign): 

Departure Time: 1030

Weather Conditions: 27 cloudy

Reason for Visit (check all that apply):

Annual O&M X

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

Fan No observed issues

Piping No observed issues

Manometer(s) No observed issues

Exhaust Stack No observed issues

Concrete Floor No observed issues

Foundation Walls No observed issues

Sump(s) N/A

Dranjer(s) N/A

Sewer Pipe Sealed: N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.75	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

New Owner

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

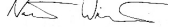
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 107

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1300

Inspector (sign): 

Departure Time: 1325

Weather Conditions: 36F Cloudy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	0.75	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

Owner plans to sell house in April

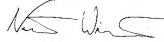
SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 89  
Date: 1/21/2020  
Inspector (print): Nathaniel Winston  
Arrival Time: 1300  
Inspector (sign):   
Departure Time: 1330  
Weather Conditions: 22F, cloudy

Reason for Visit (check all that apply):

Annual O&M X

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST  
Comments

**Fan** **No observed issues**

**Piping** **No observed issues**

**Manometer(s)** **No observed issues**

**Exhaust Stack** **Need to replace strap on roof**

**Concrete Floor** **No observed issues**

**Foundation Walls** **No observed issues**

**Sump(s)** **N/A**

**Dranjer(s)** **Cleaned drainjers during site visit**

**Sewer Pipe Sealed:** **N/A**

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	0.25	Working well
Manometer #2	0.25	Working well
Manometer #3	0.25	Working well
Manometer #4	1.75	Working well
Manometer #5	2.50	Working well

Notable Observations:

Need to replace the exhaust strap at roof. Address water seep in basement.

SYSTEM MAINTENANCE

Equipment \_\_\_\_\_

Reason for Maintenance drainjers cleaned during site visit

Description of Maintenance Action \_\_\_\_\_

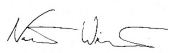
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 96

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 0840

Inspector (sign): 

Departure Time: 0900

Weather Conditions: 30F Cloudy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.25	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

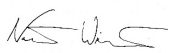
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 82

Date: 1/10/2020

Inspector (print): Nathaniel Winston

Arrival Time: 0830

Inspector (sign): 

Departure Time: 0900

Weather Conditions: 33F rain

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** Working well

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.25	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

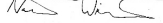
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 7

Date: \_\_\_\_\_ 2/20/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1430

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1450

Weather Conditions: \_\_\_\_\_ 32F, snowy

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST  
Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.75	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment \_\_\_\_\_

Reason for Maintenance \_\_\_\_\_

Description of Maintenance Action \_\_\_\_\_

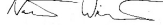
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 97a

Date: 2/18/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1100

Inspector (sign): 

Departure Time: 1120

Weather Conditions: 29F, clear

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.00	Working well
Manometer #2	0.75	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

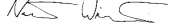
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 97b

Date: 2/6/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1300

Inspector (sign): 

Departure Time: 1350

Weather Conditions: 29 F, clear

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** Minor cracks in subslab, need to be sealed

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.00	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

New owner Chelan Mazza

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 9

Date: \_\_\_\_\_ 1/28/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 0930

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 0950

Weather Conditions: \_\_\_\_\_ 34 F, clear

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	0.75	Working well
Manometer #2	1.25	Working well
Manometer #3	1.00	Working well
Manometer #4	1.75	Working well
Manometer #5	1.75	Working well

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 93

Date: 1/8/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1500

Inspector (sign): 

Departure Time: 1525

Weather Conditions: 33 F, clear

Reason for Visit (check all that apply):

Annual O&M ☒ X

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** Rattles in the wind, needs new brackets

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.00	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

SYSTEM MAINTENANCE

**Equipment** N/A

**Reason for Maintenance** N/A

**Description of Maintenance Action** N/A

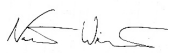
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 98

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1600

Inspector (sign): 

Departure Time: 1620

Weather Conditions: 40 F, cloudy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.25	Working well
Manometer #2	1.00	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

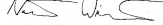
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 62

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1630

Inspector (sign): 

Departure Time: 1650

Weather Conditions: 40 F, cloudy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.50	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 65

Date: \_\_\_\_\_ 1/7/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 0820

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 0850

Weather Conditions: \_\_\_\_\_ 30F, cloudy

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.25	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

**Equipment**

**Reason for Maintenance**

**Description of Maintenance Action**

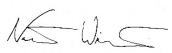
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 68

Date: 1/7/2020

Inspector (print): Nathaniel Winston

Arrival Time: 0800

Inspector (sign): 

Departure Time: 0830

Weather Conditions: 30F Cloudy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.50	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

**Equipment** broken straps replaced 3/13/2019

**Reason for Maintenance**

**Description of Maintenance Action**

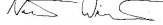
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 74

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1600

Inspector (sign): 

Departure Time: 1620

Weather Conditions: 46F, snowy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.25	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

**Equipment** N/A

**Reason for Maintenance** N/A

**Description of Maintenance Action** N/A

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 57

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1030

Inspector (sign): 

Departure Time: 1050

Weather Conditions: sunny 33 F

Reason for Visit (check all that apply):

Annual O&M X

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

Fan No observed issues

Piping No observed issues

Manometer(s) No observed issues

Exhaust Stack No observed issues

Concrete Floor No observed issues

Foundation Walls No observed issues

Sump(s) N/A

Dranjer(s) N/A

Sewer Pipe Sealed: N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.90	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 79

Date: \_\_\_\_\_ 2/5/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1100

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1120

Weather Conditions: \_\_\_\_\_ Cloudy 30 F

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.75	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment \_\_\_\_\_

Reason for Maintenance \_\_\_\_\_

Description of Maintenance Action \_\_\_\_\_

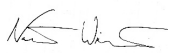
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 85

Date: 1/20/2020

Inspector (print): Nathaniel Winston

Arrival Time: 0800

Inspector (sign): 

Departure Time: 0955

Weather Conditions: 30F, Cloudy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.50	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

Basement is damp in areas. Homeowner says water hasn't been an issue in the past. Will have contractor seal cracks.

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

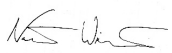
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 73

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 0930

Inspector (sign): 

Departure Time: 1000

Weather Conditions: 30 F Sunny

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	14.00	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

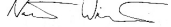
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 25

Date: \_\_\_\_\_ 1/14/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1000

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1025

Weather Conditions: \_\_\_\_\_ 32F, sunny

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.75	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

**Equipment** N/A

**Reason for Maintenance** N/A

**Description of Maintenance Action** N/A

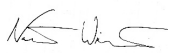
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 14

Date: \_\_\_\_\_ 1/17/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1230

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1300

Weather Conditions: \_\_\_\_\_ Cloudy 32 F

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.25	Working well
Manometer #2	1.50	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

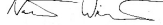
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 102

Date: 1/14/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1230

Inspector (sign): 

Departure Time: 1300

Weather Conditions: 36F, Cloudy

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	5.00	Working well
Manometer #2	5.00	Working well
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

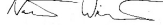
Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 86

Date: 1/28/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1000

Inspector (sign): 

Departure Time: 1020

Weather Conditions: Clear 32F

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	2.75	Working well
Manometer #2		
Manometer #3		
Manometer #4		
Manometer #5		

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action

Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: 83

Date: 2/21/2020

Inspector (print): Nathaniel Winston

Arrival Time: 1630

Inspector (sign): 

Departure Time: 1700

Weather Conditions: Sunny 42 F

Reason for Visit (check all that apply):

Annual O&M ☒

Other

MITIGATION SYSTEM INSPECTION CHECKLIST

Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** No observed issues

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	1.00	Working well
Manometer #2	0.75	Working well
Manometer #3	1.00	Working well
Manometer #4	1.00	Working well
Manometer #5	1.00	Working well

Notable Observations:

N/A

SYSTEM MAINTENANCE

Equipment

Reason for Maintenance

Description of Maintenance Action


Operational Checklist  
VAPOR INTRUSION MITIGATION SYSTEM  
Emerson Power Transmission  
Ithaca, New York

Property Address and ID: \_\_\_\_\_ 29

Date: \_\_\_\_\_ 2/14/2020

Inspector (print): \_\_\_\_\_ Nathaniel Winston

Arrival Time: \_\_\_\_\_ 1000

Inspector (sign): \_\_\_\_\_ 

Departure Time: \_\_\_\_\_ 1100

Weather Conditions: \_\_\_\_\_ 10F sunny

Reason for Visit (check all that apply):

Annual O&M \_\_\_\_\_ **X**

Other \_\_\_\_\_

MITIGATION SYSTEM INSPECTION CHECKLIST  
Comments

**Fan** No observed issues

**Piping** No observed issues

**Manometer(s)** Manometer #3

**Exhaust Stack** No observed issues

**Concrete Floor** No observed issues

**Foundation Walls** No observed issues

**Sump(s)** N/A

**Dranjer(s)** N/A

**Sewer Pipe Sealed:** N/A

MANOMETER READINGS

Location	Reading (Inches of Water)	Notes
Manometer #1	0.50	Working well
Manometer #2	1.00	Working well
Manometer #3	0.25	Working well
Manometer #4		
Manometer #5		

Notable Observations:

New owner is going to replace furnace which will require subslab work. Fan is gurgling due to condensation, need to add sound deadening to outside fan housing.

SYSTEM MAINTENANCE

Equipment \_\_\_\_\_

Reason for Maintenance \_\_\_\_\_

Description of Maintenance Action \_\_\_\_\_