



## VIA ELECTRONIC MAIL

July 14, 2020

Mr. Christopher Mannes III, P.E.  
Environmental Engineer II  
New York State Department of Environmental Conservation  
615 Erie Boulevard West  
Syracuse, NY 13204-2400

**Subject: Second Quarter 2020 Progress Report  
Former Rollway Bearing Corporation Facility, Liverpool, New York  
Agreement Index Number: V7-1007-96-10**

Dear Mr. Mannes:

On behalf of Emerson Electric Co., WSP USA Inc. is submitting this Second Quarter 2020 Progress Report for the former Rollway Bearing Corporation facility in Liverpool, New York. This quarterly progress report summarizes all work completed at the former Rollway Bearing facility from April through June 2020 and work planned for July through September 2020. The report was prepared in accordance with the requirements of the Site Management Plan, dated March 6, 2018, and includes the following information:

- a summary of all work completed and the results of sampling and testing performed during the reporting period
- a summary of reports and deliverables that were completed and submitted during the reporting period
- an estimate of the percentage of completion of the approved work plan activities, problems encountered during the quarter and actions taken to alleviate those problems, and modifications to work plans approved by the New York State Department of Environmental Conservation (NYSDEC)
- a description of activities anticipated to be completed during the next quarter

## WORK COMPLETED

The following work plan activities were completed during April through June 2020:

- WSP conducted operation, maintenance, and monitoring (OM&M) visits on April 13 and June 24, 2020, to ensure proper operation of the light non-aqueous phase liquid (LNAPL) recovery system. The OM&M logs are included in Enclosure A. The LNAPL recovery system was operational during the quarter.
- During the April site visit, absorbent socks were removed from wells RW-1, OW-1, OW-2, OW-3, OW-5, and SB-5, weighed, and placed in a U.S. Department of Transportation (DOT)-compliant 55-gallon steel drum for subsequent characterization and offsite disposal (Figure 1; Enclosure B). New absorbent socks were installed in these wells, and OW-8, which inadvertently did not have an absorbent, but exhibited measurable LNAPL. The weight of the new and spent absorbent sock was used to determine the mass of LNAPL removed, which is then converted to volume using an assumed density for the LNAPL. Absorbent socks removed from wells OW-4, OW-10/FB-1, and OW-9/FB-2 did not exhibit noticeable evidence of staining and were returned to the wells (Figure 1). No absorbents were installed in wells RW-2, SB-7, SB-8, SB-10, and OW-11/FB-1 because no product was observed in these wells during the site visit, or within the last 4 years of monitoring.

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- On April 12, 2020, 13 drums of purged groundwater and LNAPL generated during the high-vacuum removal event conducted in December 2019 were removed from the site. The nonhazardous waste bill of lading for this shipment was provided in the previous quarterly report.
- During the June site visit, absorbent socks were removed from wells RW-1, OW-1, OW-2, OW-3, OW-4, OW-5, SB-5, OW-10/FB-1, and OW-9/FB-2, weighed, and placed in a DOT-compliant 55-gallon steel drum for subsequent characterization and offsite disposal (Enclosure B). The weight of the spent absorbent sock was used to determine the mass of LNAPL removed, which is then converted to volume using an assumed density for the LNAPL. Absorbents will not be re-installed in these wells until after LNAPL measurements are collected in July 2020.

## RESULTS OF SAMPLING AND TESTING

Approximately 1.9 gallons of LNAPL were removed from the wells with absorbents during the reporting period.

## REPORTS AND DELIVERABLES

WSP submitted the First Quarter 2020 Progress Report to the NYSDEC on May 14, 2020, which contained a summary of activities conducted from January through March 2020.

## PERCENTAGE OF COMPLETION

WSP estimates that the project is 90 percent complete.

## DIFFICULTIES/MODIFICATIONS TO WORK PLAN

No difficulties occurred during the quarter. During the April site visit, the operating parameters of the LNAPL recovery system were generally consistent with optimal conditions specified in the operation and maintenance plan. During the June site visit, it was observed that the vacuum readings and discharge stack temperature were elevated relative to the typical operating readings; the air filter on the system will be replaced during the next quarter to correct these deviations.

## WORK PLANNED

The following work has been completed, or is anticipated to be undertaken, from July through September 2020:

- The NYSDEC approved the Sub-Slab Depressurization System (SSDS) Installation Work Plan, dated February 4, 2020, in correspondence, dated April 9, 2020, to Emerson. The proposed SSDS will be installed in the eastern portion of the former Rollway Bearing facility building to limit the potential for vapor intrusion to indoor air. On July 1, 2020, WSP and its subcontractor identified underground utilities near the 23 proposed suction point locations. WSP anticipates beginning the SSDS installation by August, pending subcontractor availability and the availability of equipment and materials.
- WSP will submit the Periodic Review Report (PRR) for the site, which will cover the reporting period from June 21, 2019, through June 21, 2020. The PRR is due to the NYSDEC on July 21, 2020.
- WSP will conduct a bi-monthly OM&M visit in July 2020 to ensure proper operation of the LNAPL recovery system and to collect LNAPL thickness measurements. During the site visit, new absorbents will be installed in wells RW-1, OW-1, OW-2, OW-3, OW-5, OW-8, SB-5, OW-10/FB-1, and OW-9/FB-2. The weight of each new absorbent sock will be recorded before installation. In addition, new absorbents will be placed in wells RW-2, OW-4, SB-7, SB-8, SB-10, and OW-11/FB-4 if LNAPL is observed in these wells.



Please contact us at (315) 655-3900 with any questions regarding this Second Quarter 2020 Progress Report, or other aspects of the project.

Sincerely yours,

A handwritten signature in black ink that reads "Brian E. Silfer". The signature is written in a cursive, flowing style.

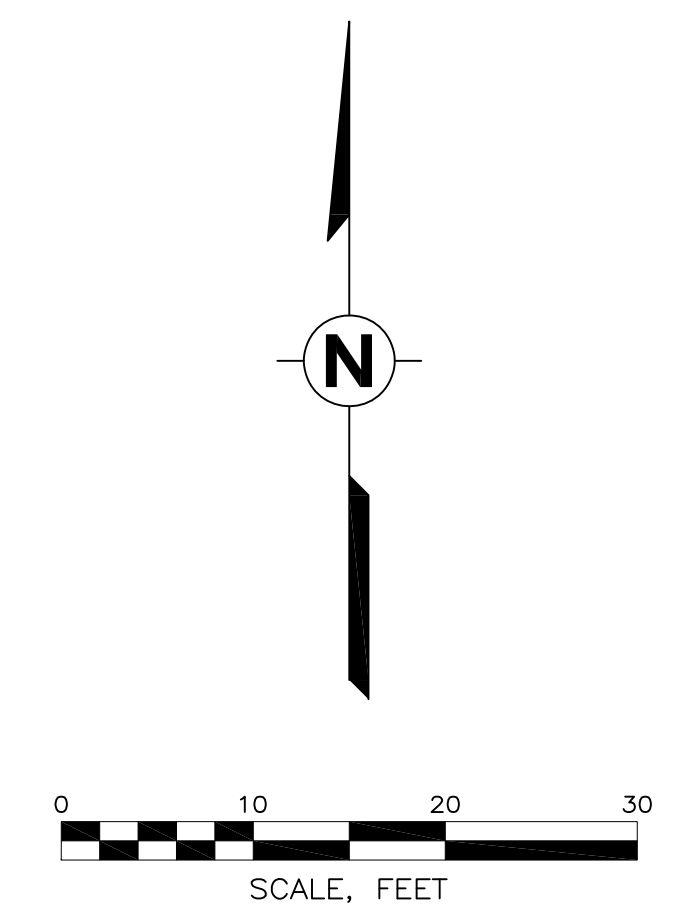
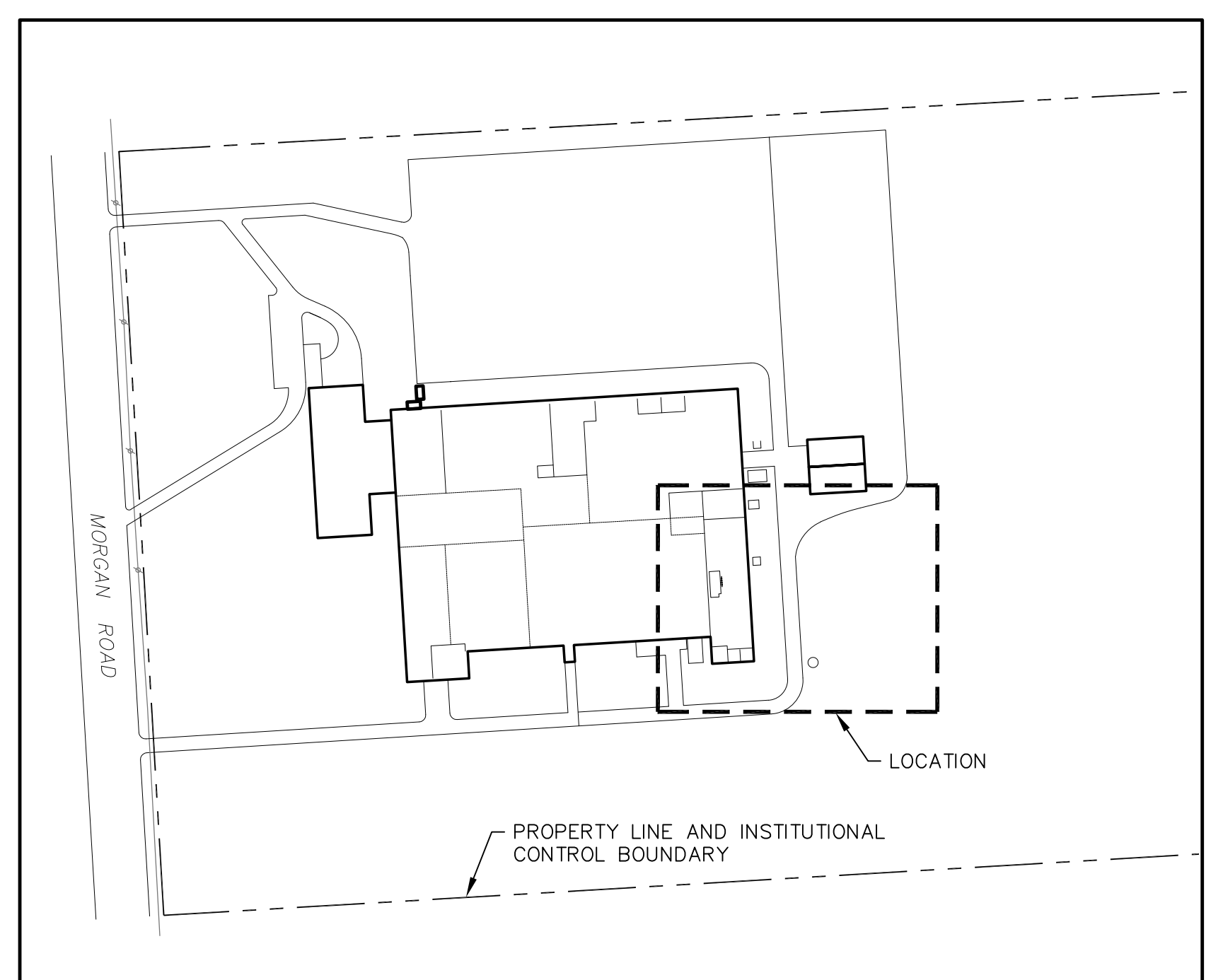
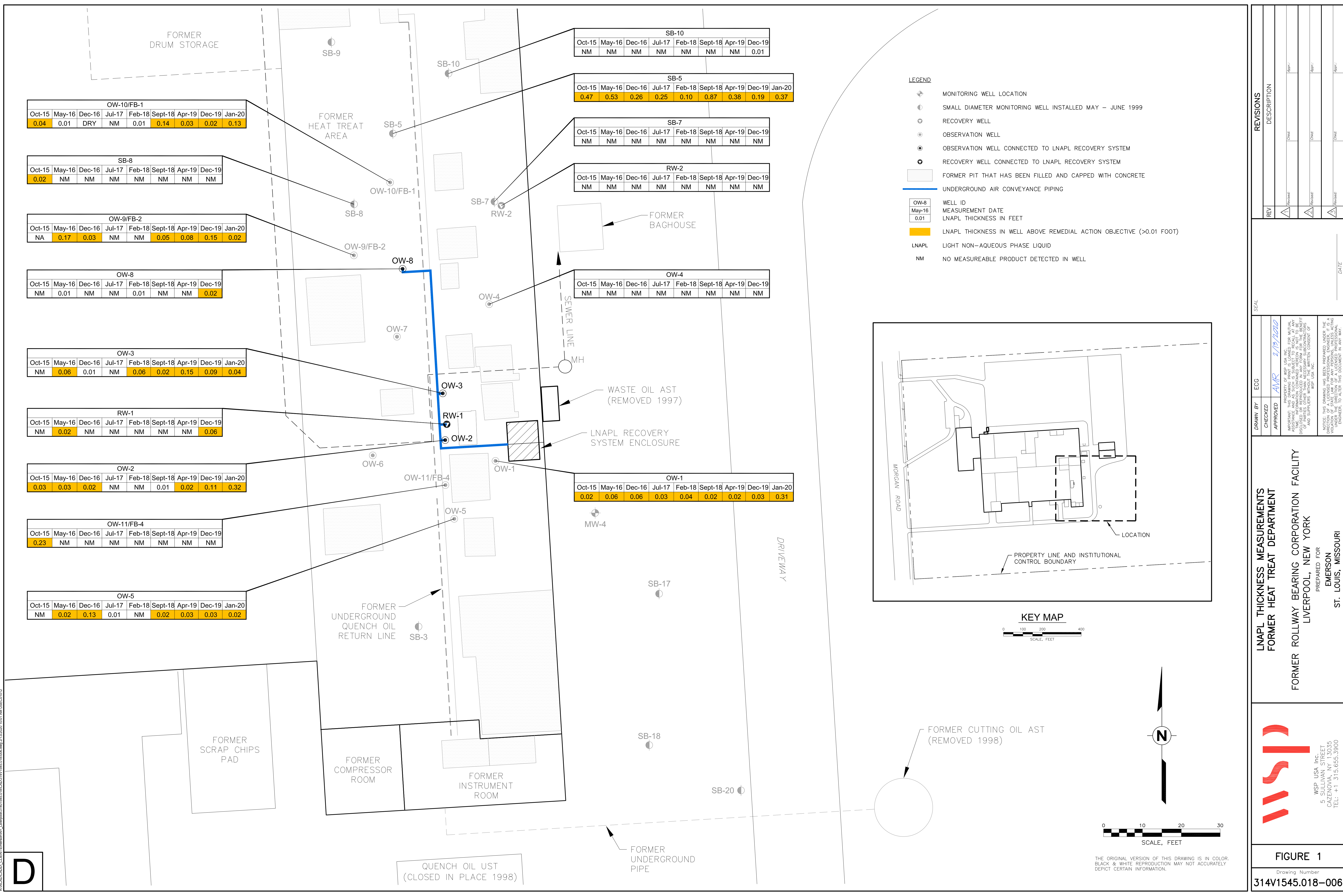
Brian E. Silfer, P.G.  
Practice Leader

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Enclosures

cc/encl.: Mr. Johnathan Robinson, New York State Department of Health  
Mr. Stephen L. Clarke, Emerson  
Ms. Sheila M. Harvey, Esquire, Pillsbury Winthrop Shaw Pittman

FIGURE



REV	DESCRIPTION	DATE

SEAL

EGG

DRAWN BY: *AMR*

CHECKED: *AMR*

APPROVED: *AMR*

DATE: 2/19/2020

PREPARED FOR: EMERSON

ST. LOUIS, MISSOURI

**LNAPL THICKNESS MEASUREMENTS**

**FORMER HEAT TREAT DEPARTMENT**

**FORMER ROLLWAY BEARING CORPORATION FACILITY**

**LIVERPOOL, NEW YORK**

PREPARED FOR: EMERSON

ST. LOUIS, MISSOURI

**WSP USA Inc.**

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**FIGURE 1**

Drawing Number: 314V1545.018-006

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ENCLOSURE A – OM&M LOG SHEETS

Table 1

Checklist  
LNAPL Recovery System  
Former Rollway Bearing Facility  
Liverpool, NY

Date: 4/13/20  
Arrival Time: 0810  
Departure Time: 1600

Inspector (print): Nate Winston  
Inspector (sign): [Signature]  
Weather Conditions: 60°F, very windy

Reason for Visit: OMM and LNAPL Measurements and waste pickup

LNAPL Recovery System Skid

Gauge	O&M Reading		Typical Operation Reading	
	Reading	Units	Reading	Units
Inlet Vacuum: Before Vapor-Liquid Separator	-68	in H <sub>2</sub> O	-58 to -62	in H <sub>2</sub> O
Vacuum Before Air Filter	-74	in H <sub>2</sub> O	-66 to -68	in H <sub>2</sub> O
Vacuum After Air Filter/Before Blower Inlet	-90	in H <sub>2</sub> O	-86	in H <sub>2</sub> O
Discharge Stack Pressure	2	in H <sub>2</sub> O	2	in H <sub>2</sub> O
Discharge Stack Temperature	130	° F	120 to 138	° F
Kilowatt Hour Meter	153,421	kWh	-	kWh

LNAPL Recovery Wells

Well ID	O&M Reading		Typical Operation Reading	
	Vacuum (in H <sub>2</sub> O)	Flow (SCFM)	Vacuum (in H <sub>2</sub> O)	Flow (SCFM)
OW-2	-47	5	-40 to -54	3 to 7
RW-1	-8	3	-5 to -11	5.5 to 7
OW-3	-6	8	-6 to -11	2 to 3
OW-8	-6	7	-8 to -10	4 to 11

Notable Observations:

\_\_\_\_\_  
\_\_\_\_\_

System Maintenance:

Description of Maintenance Needed:  
N/A

\_\_\_\_\_  
\_\_\_\_\_

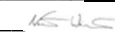
Date of Maintenance Completion:

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**Table 1**

**Checklist  
LNAPL Recovery System  
Former Rollway Bearing Facility  
Liverpool, NY**

Date: 6/24/20  
 Arrival Time: 1100  
 Departure Time: 1400

Inspector (print): Nate Winston  
 Inspector (sign):   
 Weather Conditions: 78°F, sunny

Reason for Visit: OMM

**LNAPL Recovery System Skid**

Gauge	O&M Reading		Typical Operation Reading	
	Reading	Units	Reading	Units
Inlet Vacuum: Before Vapor-Liquid Separator	<b>-70</b>	in H <sub>2</sub> O	<i>-58 to -62</i>	in H <sub>2</sub> O
Vacuum Before Air Filter	<b>-78</b>	in H <sub>2</sub> O	<i>-66 to -68</i>	in H <sub>2</sub> O
Vacuum After Air Filter/Before Blower Inlet	<b>-94</b>	in H <sub>2</sub> O	<i>-86</i>	in H <sub>2</sub> O
Discharge Stack Pressure	<b>2</b>	in H <sub>2</sub> O	<i>2</i>	in H <sub>2</sub> O
Discharge Stack Temperature	<b>148</b>	° F	<i>120 to 138</i>	° F
Kilowatt Hour Meter	<b>156,216</b>	kWh	<i>-</i>	kWh

**LNAPL Recovery Wells**

Well ID	O&M Reading		Typical Operation Reading	
	Vacuum (in H <sub>2</sub> O)	Flow (SCFM)	Vacuum (in H <sub>2</sub> O)	Flow (SCFM)
OW-2	<b>-47</b>	<b>4.5</b>	<i>-40 to -54</i>	<i>3 to 7</i>
RW-1	<b>-6</b>	<b>6</b>	<i>-5 to -11</i>	<i>5.5 to 7</i>
OW-3	<b>-8</b>	<b>3</b>	<i>-6 to -11</i>	<i>2 to 3</i>
OW-8	<b>-8</b>	<b>12</b>	<i>-8 to -10</i>	<i>4 to 11</i>

**Notable Observations:**

\_\_\_\_\_  
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**System Maintenance:**

Description of Maintenance Needed: Replace air filter  
 \_\_\_\_\_

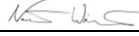
Date of Maintenance Completion:  
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**ENCLOSURE B – ABSORBENT INSPECTION/REPLACEMENT FORMS**

**Field Form for Absorbent Inspection/Replacement  
Former Rollway Bearing Facility  
Liverpool, New York**

Date: April 13, 2020  
 Arrival Time: 0810  
 Departure Time: 1515

Inspector (print): Nathaniel Winston  
 Inspector (sign):   
 Weather Conditions: 60°F, windy, light rain

Well ID	Staining (Y/N)	Absorbent Replaced (Y/N)	Spent Absorbent Weight (g)
RW-1	Y	Y	1907.0
RW-2	*	N	-
OW-1	Y	Y	965.0
OW-2	Y	Y	386
OW-3	Y	Y	379.5
OW-4	N	N	-
OW-5	Y	Y	310
OW-8	-	Y	-
SB-5	Y	Y	35
SB-7	*	N	-
SB-8	*	N	-
SB-10	*	N	-
OW-10/FB-1	N	N	-
OW-9/FB-2	N	N	-
OW-11/FB-4	*	N	-

**Notable Observations:**

OW-1 absorbent appeared saturated with product. \* = no absorbent in well and no measurable product observed.

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**Well Maintenance:**

Description of Maintenance Needed:

NA

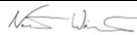
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Date of Maintenance Completion:

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**Field Form for Absorbent Inspection/Replacement  
Former Rollway Bearing Facility  
Liverpool, New York**

Date: June 24, 2020  
 Arrival Time: 1100  
 Departure Time: 1400

Inspector (print): Nathaniel Winston  
 Inspector (sign):   
 Weather Conditions: 78°F, sunny

Well ID	Staining (Y/N)	Absorbent Replaced (Y/N)	Spent Absorbent Weight (g)
RW-1	Y	N **	1599.5
RW-2	*	N	-
OW-1	Y	N **	902.0
OW-2	Y	N **	597.5
OW-3	Y	N **	815.5
OW-4	N	N	355
OW-5	Y	N **	602.0
OW-8	Y	N **	471
SB-5	Y	N **	38
SB-7	*	N	-
SB-8	*	N	-
SB-10	*	N	-
OW-10/FB-1	Y	N **	732.5
OW-9/FB-2	N	N **	304.0
OW-11/FB-4	*	N	-

\* = no absorbent in well and no measurable product observed

\*\* = absorbent will be replaced in July 2020

**Notable Observations:**

OW-9/FB-2 appeared dry

**Well Maintenance:**

Description of Maintenance Needed:

NA

Date of Maintenance Completion: