



## VIA ELECTRONIC MAIL

February 09, 2021

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: Fourth 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 Fourth 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 October through December 2020 and work planned for January through March 2021. 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 activities were completed during October through December 2020:

- WSP conducted an operation, maintenance, and monitoring (OM&M) visit on November 11, 2020, to ensure proper operation of the light non-aqueous phase liquid (LNAPL) recovery system. The OM&M log is included in Enclosure A. The LNAPL recovery system was operational during the quarter.
- During the November site visit, absorbent socks were removed from wells RW-1, RW-2, OW-1, OW-2, OW-3, OW-4, OW-5, SB-8, OW-10/FB-1, and OW-11/FB-4, 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 absorbents were placed in these wells. The weights of the new and spent absorbent socks were used to determine the mass of LNAPL removed, which was then converted to volume using an assumed density for the LNAPL. The existing absorbents in wells SB-5 and OW-9/FB-2 were not removed and replaced because these wells were dry, and no staining was observed on these absorbents.
- The sub-slab depressurization system (SSDS) in the eastern portion of the former Rollway Bearing facility that was installed in August and September 2020 was operational during the quarter. WSP prepared the construction completion report (CCR) for the SSDS and will submit the final CCR to the NYSDEC during the first quarter of 2021.

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## RESULTS OF SAMPLING AND TESTING

Approximately 1.4 gallons of LNAPL were removed from the wells with absorbents during the reporting period.

## REPORTS AND DELIVERABLES

WSP submitted the Third Quarter 2020 Progress Report to the NYSDEC on November 6, 2020, which summarized activities conducted from July through September 2020.

## PERCENTAGE OF COMPLETION

WSP estimates that the project is 90 percent complete.

## DIFFICULTIES/MODIFICATIONS TO WORK PLAN

- During the November 11, 2020, site visit, the tubing used for monitoring the vacuum at observation well OW-2 was replaced because the vacuum reading was low during the previous (September 24, 2020) OM&M site visit. In addition, a new gauge was used to measure the well vacuum. The vacuum reading from OW-2 was -45 inches of water column, which is within the typical range of observed readings for this well.
- During the November 11, 2020, site visit, it was observed that the vacuum readings and discharge stack temperature on the LNAPL recovery system skid were low compared to typical operation readings (see Table 1 in Enclosure A). It was determined that the low readings were likely attributed to the replacement of the inline and dilution filters on the system in August 2020.

## WORK PLANNED

The following work has been completed, or is anticipated to be undertaken, from January through March 2021:

- On January 21, 2021, WSP conducted an OM&M visit to ensure proper operation of the LNAPL recovery system and SSDS. During the site visit, absorbent socks were removed from wells RW-1, RW-2, OW-1, OW-2, OW-3, OW-4, OW-5, SB-5, SB-8, OW-9/FB-2, OW-10/FB-1, and OW-11/FB-4, weighed, and placed in a DOT-compliant 55-gallon steel drum for subsequent characterization and offsite disposal. The January 2021 OM&M logs for the LNAPL recovery system and SSDS and the absorbent inspection/replacement form will be provided in the First Quarter 2021 Progress Report.
- Approximately 30 days after the January 2021 OM&M site visit, WSP will collect LNAPL thickness measurements from wells RW-1, RW-2, OW-1, OW-2, OW-3, OW-4, OW-5, SB-5, SB-7, SB-8, SB-10, OW-8, OW-9/FB-2, OW-10/FB-1, and OW-11/FB-4.
- Absorbents will be re-installed in all wells, except OW-8, SB-7, and SB-10, which have had no observable product during the 2020 site inspections. If LNAPL is observed in wells OW-8, SB-7, or SB-10 during the February 2021 site visit, absorbents will be installed in the applicable wells.
- WSP will submit to the NYSDEC the CCR for the SSDS.

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

Sincerely yours,

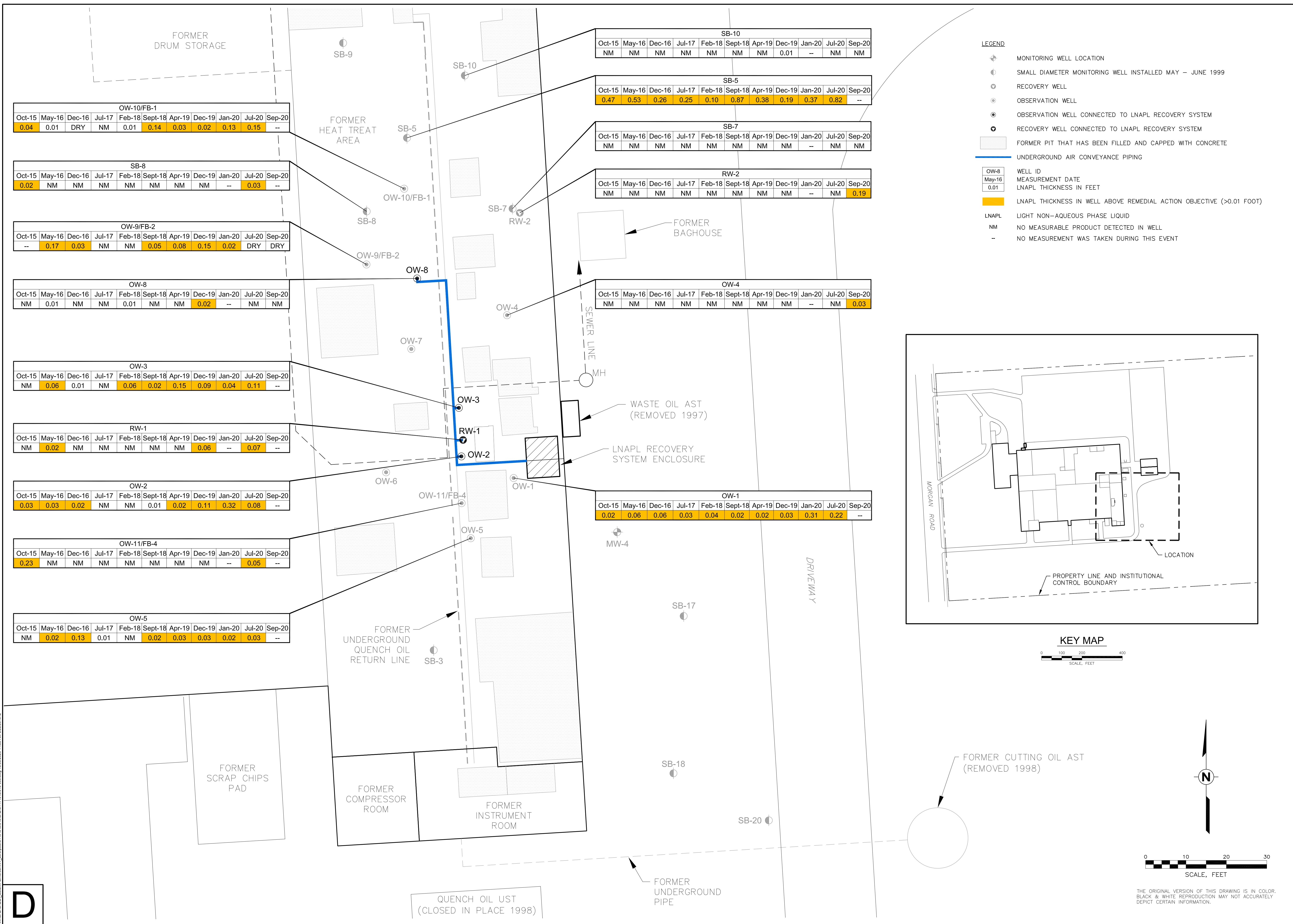
Brian E. Silfer, P.G.  
Practice Leader

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



REVISIONS		DESCRIPTION
REV	DATE	DESCRIPTION

SEAL

DATE

DRAWN BY: ECG

CHECKED: AMR

APPROVED: AMR

DATE: 10/20/2020

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**

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**FIGURE 1**

Drawing Number  
314V1545.018-009

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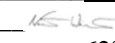
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ENCLOSURE A – OM&M LOG SHEET

**Table 1**

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

Date: 11/11/20  
 Arrival Time: 1030  
 Departure Time: 1500

Inspector (print): Nate Winston  
 Inspector (sign):   
 Weather Conditions: 62°F, rain

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>-35</b>	in H <sub>2</sub> O	<i>-58 to -62</i>	in H <sub>2</sub> O
Vacuum Before Air Filter	<b>-44</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>-39</b>	in H <sub>2</sub> O	<i>-86</i>	in H <sub>2</sub> O
Discharge Stack Pressure	<b>3</b>	in H <sub>2</sub> O	<i>2</i>	in H <sub>2</sub> O
Discharge Stack Temperature	<b>110</b>	° F	<i>120 to 138</i>	° F
Kilowatt Hour Meter	<b>160,770</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>-45</b>	<b>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>-9</b>	<b>3</b>	<i>-6 to -11</i>	<i>2 to 3</i>
OW-8	<b>-8</b>	<b>7</b>	<i>-8 to -10</i>	<i>4 to 11</i>

**Notable Observations:**

*The vacuum readings and discharge stack temperature on the LNAPL recovery system skid were low compared to typical operation readings, which are likely attributed to replacing the inline and dilution filters on the system.*

**System Maintenance:**

Description of Maintenance Needed:

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Date of Maintenance Completion:

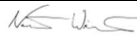
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**ENCLOSURE B – ABSORBENT INSPECTION/REPLACEMENT FORM**



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

Date: November 11, 2020  
 Arrival Time: 10:30  
 Departure Time: 15:00

Inspector (print): Nathaniel Winston  
 Inspector (sign):   
 Weather Conditions: 62 F, rain

Well ID	Staining (Y/N)	Absorbent Replaced (Y/N)	Spent Absorbent Weight (in grams)
RW-1	Y	Y	1360.5
RW-2	Y	Y	1385.0
OW-1	Y	Y	802.0
OW-2	Y	Y	522.0
OW-3	Y	Y	477.5
OW-4	Y	Y	317.0
OW-5	Y	Y	595.5
OW-8	*	-	-
SB-5	N - Dry	N **	-
SB-7	*	-	-
SB-8	Y	Y	37.5
SB-10	*	-	-
OW-10/FB-1	Y	Y	616.5
OW-9/FB-2	N - Dry	N**	-
OW-11/FB-4	Y	Y	1285.0

\* = no absorbent in well

\*\* = same absorbent left in well and not replaced.

**Notable Observations:**

SB-5 and OW-9/FB-2 appeared dry

**Well Maintenance:**

Description of Maintenance Needed:

NA

Date of Maintenance Completion:

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