Barton & Loguidice

May 27, 2021

Rachel K. Gardner, E.I.T.
New York State Department of Environmental Conservation
Region 6 - Division of Environmental Remediation
317 Washington Street
Watertown, New York 13601

Re: Supplemental Remedial Investigation Work Plan
File: 692.022.001

Dear Ms. Gardner:

The following supplemental remedial investigation work plan has been prepared to further define site conditions at the Former Standard Shade Roller Site (C645049) located in Ogdensburg, New York. As defined by the Department's May 12, 2021 letter, further evaluation is needed at the site supplementing the draft Remedial Investigation (RI) to obtain a No Further Action (NFA) Decision Document (DD) for the site. The City of Ogdensburg has expressed their desire to progress the Shade Roller site towards the ultimate goal of achieving a Certificate of Completion. To achieve this goal, the following supplemental work plan will assess current groundwater and surface soil conditions at the site through the collection of 16 water quality samples from a subset of 14 wells across the site, and 12 surface soil samples from 10 locations. Both groundwater and surface soil samples include the collection of a matrix spike/matrix spike duplicate (MS/MSD) and blind duplicate sample.

The proposed groundwater and surface soil sampling will be performed in accordance with the approved New York State Department of Environmental Conservation (NYSDEC) Remedial Investigation Work Plan (B&L, October 2012) and DER Technical Guidance for Site Investigation and Remediation (DER-10). The objective of the supplemental investigation is to assess existing water quality conditions and address data gaps associated with the site's surface soil quality.

The following text presents the anticipated supplemental investigation work to be completed at the former Shade Roller property.

<u>Groundwater Monitoring</u>

A single round of groundwater samples will be collected from wells most recently sampled in 2013 with the inclusion of monitoring well location BL-2. Specifically, monitoring well locations BL-2, MW-5, and MW-7 have displayed historic exceedances of various contaminants, including chlorinated volatile organic compounds (VOCs). The proposed groundwater monitoring wells to be sampled consists of 14 locations (Figure 1). In addition to the 14 groundwater samples, 2 additional quality assurance/quality control (QA/QC) samples will be collected representing duplicate and (MS/MSD). Each groundwater monitoring well will be sampled for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and target analyte list (TAL) Metals. It is anticipated that some well locations may exhibit elevated turbidity levels since these locations have not been purged since 2013. At the

monitoring well locations where the turbidity value exceeds 50 nephelometric units (NTUs), a field filter sample will be collected and analyzed for dissolved metals. Monitoring wells will be purged prior to sampling in order to collect a representative sample of the formation groundwater. The primary objectives will be to collect and preserve representative samples, adhere to proper chain-of-custody procedures, and arrange for the prompt shipment of the procured groundwater samples to the certified laboratory for analysis within the specified holding times. Upgradient monitoring wells will be sampled before downgradient wells in the following manner:

- Measure and record the static water level in each well, and calculate the volume of water in the well;
- Purge at least three (3) times the volume of water in each well. Peristaltic or bladder pumps will be used to purge the required well volumes. Specific conductance, pH, Eh, temperature, and turbidity will be monitored during purging to assess the stability of these water quality indicators;
- Following adequate recovery (within 80 percent of static levels), a representative groundwater sample will be collected with a disposable bailer suspended on new, solid-braid cotton rope. The groundwater sample will be transferred directly from the bailer to the appropriately labeled, parameter-specific sample container (sample ID number and preservative), and placed in coolers with ice or ice packs. The sample bottles will be filled in the following order: VOCs, SVOCs, and TAL metals.
- Calibrate filed chemistry equipment every day and maintain proper documentation.
- Replace well caps and lock protective well cover.
- Collected groundwater samples will be submitted to ALS Environmental Laboratory for analysis of VOCs and chlorinated solvents using EPA Method 8260, SVOCs by EPA Method 8270, and TAL metals using EPA Methods 6010B.

Surface Soil Sampling

The collection of surface soil samples from across the site will be performed to assess surface soil conditions. Soil samples will be collected from a depth of 0 to 2 inches below the vegetative cover. A total of 10 representative samples are proposed to be collected from the locations presented in Figure 1. Selected surface soil sample locations will be analyzed for VOCs, SVOCs, PCBs, Pesticides, and Metals. In addition to the 10 surface soil samples, 2 QA/QC samples including a blind duplicate and MS/MSD sample will be collected.

Surface soil samples will be collected with decontaminated stainless steel scoops. The following surface soil sampling procedures will be utilized:

- As previously mentioned, surface soil samples will be collected for a depth of 0 to 2 inches below the vegetative cover or bare surface soils, in accordance with DER-10.
- Collected samples will be placed in appropriately labeled, parameter-specific sample containers (sample ID number and preservative) and stored in coolers with ice or ice packs as soon as possible.

- Each stainless steel spoon will be decontaminated between samples using an Alconox detergent and potable water scrub, followed by a deionized water rise. Scoops will be allowed to air dry and will be free of any rinse water prior to the next use. Whenever possible, pre-cleaned equipment will be used.
- Collected surface soil samples will be submitted to ALS Environmental Laboratory for analysis of VOCs and chlorinated solvents using EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, Pesticides by EPA Method 8081, and TAL metals using EPA Methods 6010B.

Remedial Investigation Report

The existing draft Remedial Investigation Report (RIR) will be updated with the results of the supplemental investigation. Analytical data received from the laboratory will be summarized in table format and included as an attachment to the report. Analytical results will be discussed in the text, identifying exceedances of soil cleanup objectives, if observed. The final RIR will be submitted to the NYSDEC for review and approval.

Following Department review and approval of this supplemental work plan, B&L will make arrangements to complete the groundwater monitoring and surface soil sampling in June 2021. Upon receipt of the results, the RIR will be updated and submitted to the Department for review.

Should you have any questions or would like to discuss the work plan in greater detail, please feel free to contact me at (518) 2181-1801.

Sincerely,

BARTON & LOGUIDICE, D.P.C.

Bryce D. Dingman
Sr. Managing Hydrogeologist

BDD/jms

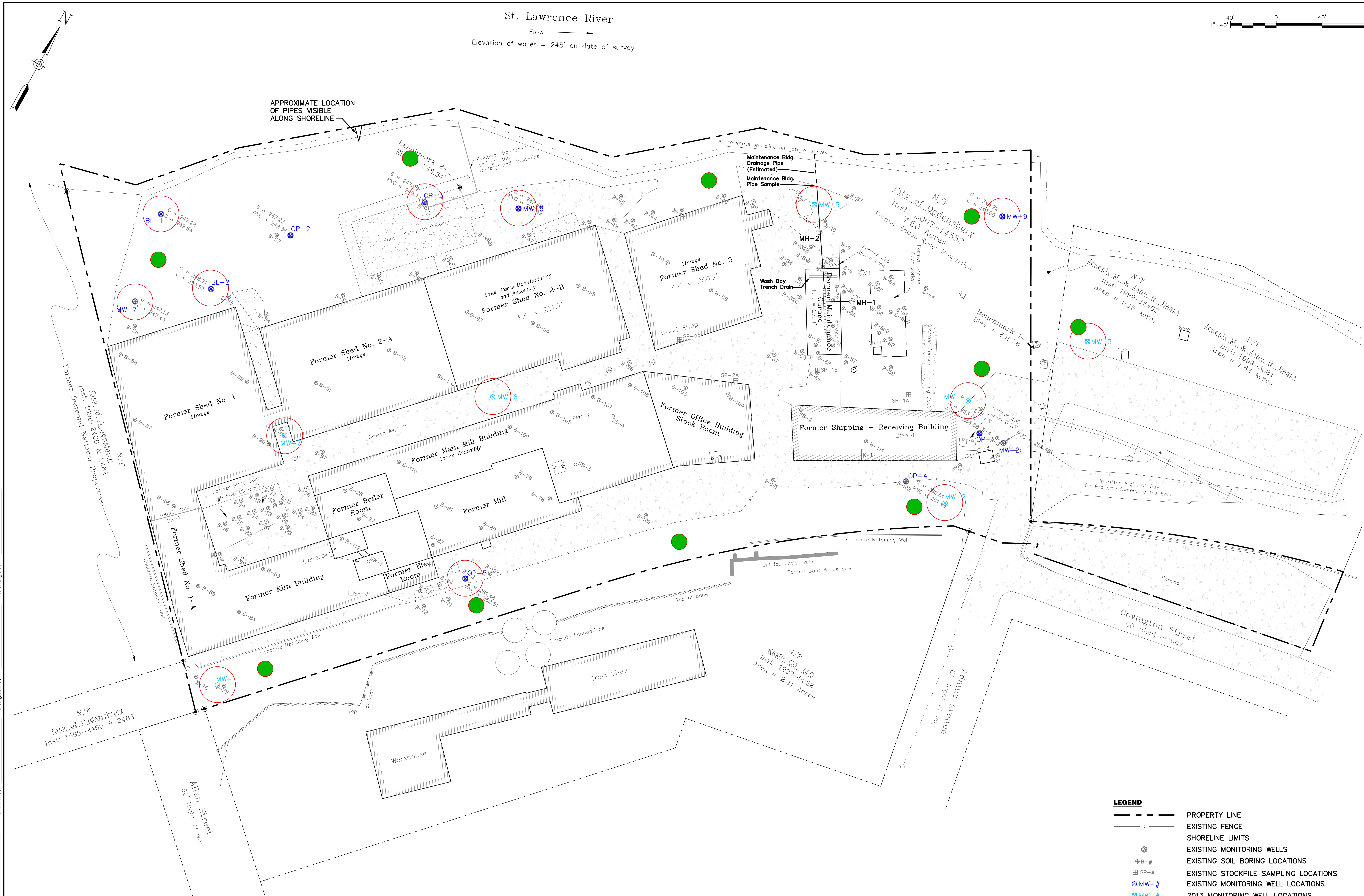
Engineer's Certification

In accordance with the requirements of DER-10, presented below is the Engineer's certification that accompanies the enclosed Supplemental Investigation Work Plan for the Former Shade Roller Site.

I, the undersigned engineer, certify that I am currently a NYS registered professional engineer. This Supplemental Investigation Work Plan was prepared in accordance with all applicable statutes and regulations, and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

STATE OF NEW YORK
SCOTT D. NOSTRAND
No. 075454
LICENSED PROFESSIONAL ENGINEER

Scott D. Nostrand, P.E.


St. Lawrence River
Flow
Elevation of water = 245' on date of survey
APPROXIMATE LOCATION OF PIPE'S VISIBLE ALONG SHORELINE
Approximate shoreline on date of survey
Maintenance Bldg. Drainage Pipe (Estimated)
Maintenance Bldg. Pipe Sample
Wash Bay Trench Drain
MH-1
MH-2
Former Shed No. 1 Storage
Former Shed No. 1-A
Former Shed No. 2-A Storage
Small Parts Manufacturing and Assembly Former Shed No. 2-B
F.F. = 251.7'
Storage Former Shed No. 3
F.F. = 250.2'
Wood Shop
Former Maintenance Garage
Former Main Mill Building Spring Assembly
Former Mill
Former Boiler Room
Former Elec Room
Former Kiln Building
Former Office Building Stock Room
Former Shipping - Receiving Building
F.F. = 256.4'
Former Extrusion Building
Former 8000 Gallon #6 Fuel Oil U.S.T.
Benchmark 2 Elev = 248.84'
Benchmark 1 Elev = 251.26'
N/F City of Ogdensburg Inst. 2007-14552 7.60 Acres Former Shade Roller Properties
N/F Joseph M. & Jane H. Basta Inst. 1999-15402 Area = 0.15 Acres
N/F Joseph M. & Jane H. Basta Inst. 1999-5324 Area = 1.62 Acres
N/F City of Ogdensburg Inst. 1998-2460 & 2462 Former Diamond National Properties
N/F City of Ogdensburg Inst. 1998-2460 & 2463
N/F KAMP CO. LLC Inst. 1999-5322 Area = 2.41 Acres
Unwritten Right of Way for Property Owners to the East
Covington Street 60' Right of way
Adams Avenue 60' Right of way
Allen Street 60' Right of way
Concrete Retaining Wall
Old foundation ruins
Former Boat Works Site
Concrete Foundations
Train Shed
Warehouse
Parking
BL-1
BL-2
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
OP-2
OP-3
OP-4
OP-5
40' 0 40' 80'
1"=40'

NOTE:
BASEMAP PROVIDED IN DIGITAL FORMAT BY JACOBS LAND SURVEYING PREPARED FOR FORMER SHADE ROLLER SITE OFF COVINGTON STREET, DATED AUGUST 10, 2010.

LEGEND

- PROPERTY LINE
- EXISTING FENCE
- SHORELINE LIMITS
- EXISTING MONITORING WELLS
- B-# EXISTING SOIL BORING LOCATIONS
- SP-# EXISTING STOCKPILE SAMPLING LOCATIONS
- MW-# EXISTING MONITORING WELL LOCATIONS
- MW-# 2013 MONITORING WELL LOCATIONS
- 2021 PROPOSED MONITORING WELL SAMPLING LOCATION
- 2021 PROPOSED SURFACE SOIL SAMPLING LOCATION

REVISIONS

PROPOSED GROUNDWATER AND SURFACE SOIL SAMPLING LOCATIONS

CITY OF OGDENSBURG
FORMER STANDARD SHADE ROLLER
CITY OF OGDENSBURG
ST. LAWRENCE COUNTY, NEW YORK

B&L
Barton & Loguidice, D.P.C.
443 Electronics Parkway
Liverpool, NY
13088

Date: MAY 2021
Scale: AS SHOWN
Sheet Number: 1
Project Number: 692.022.001

Plotted: May 18, 2021 – 12:14PM SYR By: bas
Z:\BL-Vault\D2\18217A02-1C71-4823-8927-9905C4054147\0\2320000-2320999\2320729\L\L\692022001_PROPOSED GW_SOIL SAMPLE LOCATIONS (ID 2320729).dwg
Checked by INITIALS Drawn by INITIALS Designed by INITIALS In charge of INITIALS