SUMITOMO RUBBER USA, LLC

DUNLOP FALKEN

August 20, 2021

Mr. Brian Sadowski
New York State Dept. of Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2915

Revised Periodic Review Report and Institutional Controls Certification - Site No. 915018

Dear Mr. Sadowski,

Please find attached the Periodic Review Report (PRR) and Institutional and Engineering Controls (IC/EC) Certification Forms in accordance with the Site Management Plan (SMP) for the Dunlop Tire and Rubber Site (NYSDEC Site No. 915018).

Please contact Joseph Hinkle if you have any questions or if you need any additional information.

Thank you,

Joseph Hinkle
Environmental, Health and Safety Manager
(716) 879-8546

Cc: Mr. Glenn May (NYSDEC)
Ms. Pamela Cook (Sumitomo)

PO Box 1109, Buffalo, NY 14240-1109
10 Sheridan Drive, Tonawanda, NY 14150
716-879-8200

August 20, 2021

SUMITOMO RUBBER USA, LLC

TONAWANDA, NEW YORK
LANDFILL CAP MANAGEMENT
SITE MANAGEMENT PERIODIC REVIEW REPORT (PRR)

I. Introduction

The former Goodyear Dunlop Tires North America facility (Facility), now owned and operated by Sumitomo Rubber USA, LLC (Sumitomo), is located in Tonawanda, New York (see Figure 1). The Facility is approximately 128 acres in size and consists of two parcels of land addressed as 3333 and 3337 River Road. Sumitomo manages three historical waste disposal areas located on the 3333 River Road parcel, which together consist of approximately 25 acres. These three historical waste disposal areas are individually referred to as Disposal Site A, B, and C, and are hereinafter collectively referred to as the "Site". Figure 1 shows the approximate Site location and boundaries. Dunlop Tire Corporation (Dunlop) entered into an Order on Consent (Consent Order) on April 23, 1991 with the NYSDEC to determine the nature and extent of contamination at the Site resulting from historical disposal of industrial wastes. The Site boundaries coincide with the estimated limits of fill as depicted by URS Consultants, Inc. in their April 1992 report[1], and as shown in the March 1993 Record of Decision (ROD)[2]. The Site is currently in the New York State (NYS) State Superfund Program (Site No. 915018), which is administered by the New York State Department of Environmental Conservation (NYSDEC). The Site is listed as a Class 4 site, indicating that it has been properly closed but requires continued Site management consisting of operation, maintenance, and/or monitoring.

A Site Management Plan (SMP) has been prepared for the Site to ensure implementation and management of the institutional controls (ICs) and engineering controls (ECs) in place for the Site. This Periodic Review Report (PRR) is being prepared to certify that site management activities are being conducted in accordance with the SMP.

II. Disposal Site Overview

Disposal Site A

Disposal Site A is located on the northwestern portion of the Facility (Figure 1). The surface of Site A consists of grass, trees, brush, and asphalt parking lot. Site A was reportedly used to dispose of various wastes including fly ash, slag, carbon black, asphalt, foam, tires, coal, and construction and demolition (C/D) debris until 1970, and

[1] URS Consultants, Inc., April 1992, Report of Field Investigation and Data Analysis, Inactive Disposal Site Nos. 915018 A, B, C, submitted to the NYSDEC.

[2] New York State Department of Environmental Conservation, March 1993, Record of Decision, Dunlop Tire and Rubber, Site No. 915018A, Site No. 915018B, Site No. 915018C.

C/D debris until 1979. The primary area of disposal, consisting of thicker fill, is located within the central and northern portions of Site A.

As indicated above, the boundaries of Disposal Site A coincide with the estimated limits of fill as depicted by URS in their April 1992 report (Figure 2). The southern boundary (lateral extent of fill) was determined through excavation of eight test trenches by URS in 1991. The eastern and western boundaries were defined based on surface topography and configuration of waste piles. The northern extent of the fill could not be determined, as the presence of the parking lot prevented completion of test trenches in this area. As a result, the northern boundary was defined by the northwestern corner of Building 1 and a perimeter fence east of a 10,000-gallon water tank present at that time. Fill materials identified in the trenches included black and brown silt, reworked reddish/brown silty clay, ash, slag, carbon black, C/D debris, asphalt, foam, rubber tires, and coal. Three test holes were completed by Conestoga-Rovers & Associates (CRA) in 1983, and two test pits were excavated by URS in 1991, which contributed to the delineation of Disposal Site A.

Disposal Site B

Disposal Site B is located on the southwestern portion of the Facility (Figure 1). The surface of Site B consists of grass and asphalt parking lot and driveway. Site B was reportedly used to dispose of various solid wastes, including scrap rubber (natural and synthetic), golf balls, plastics, carbon black, fly ash, amines, antioxidants, and general refuse until 1970.

The boundaries of Disposal Site B coincide with the estimated limits of fill as depicted by URS in their April 1992 report (Figure 2). The southern and western boundaries (lateral extent of fill) were determined through excavation of seven test trenches by URS in 1991. The eastern extent of the fill could not be determined, as the presence of the parking lot prevented completion of test trenches in this area. However, aerial photographs reportedly confirm waste disposal eastward into the parking lot. The northern extent of the fill could not be determined due to the presence of the settling pond. Fill materials identified in the trenches included black and brown silt, C/D debris, asphalt, coal, and rubber. Seventeen test holes were completed by CRA in 1983, and five test pits were excavated by URS in 1991, which contributed to the delineation of Disposal Site B.

Disposal Site C

Disposal Site C is located on the eastern portion of the Facility (Figure 1). The surface of Site C consists of grass. Site C was reportedly used as a coal ash landfill until 1973. Interviews with several Dunlop retirees in the early 1980s indicated that it was common practice to dispose of all types of waste at this Site, including drums of waste solvents and degreasers.

The boundaries of Disposal Site C coincide with the estimated limits of fill as depicted by URS in their April 1992 report (Figure 3). The southern and eastern boundaries (lateral extent of fill) were determined through excavation of six test trenches by URS in 1991. The northern boundary is defined by a scarp which was surveyed along the outer toe of

the fill where it contacted the original surface. The berm-like area between the fence and railroad tracks constituting the western portion of Disposal Site C was defined based on topography and five test pits. Fill materials consisted of a heterogeneous mixture of black and brown silt, ash, slag, sand and gravel, C/D debris, and rubber. Five test holes were completed by CRA in 1983, and six test pits were excavated by URS in 1991, which contributed to the delineation of Disposal Site C.

III. Institutional and Engineering Control Plan

Since remaining contamination exists at the Site, ICs and ECs are required to protect human health and the environment. This IC/EC Plan describes the procedures for the implementation and management of all IC/ECs at the Site.

Institutional Controls

A series of ICs are required by the ROD to:

1. Implement, maintain and monitor EC systems
2. Prevent future exposure to remaining contamination

Adherence to these ICs on the Site is required by the ROD and the Consent Order and will be implemented under the Site's Long-Term Monitoring Plan. ICs may not be discontinued without an amendment to the Consent Order. The IC boundaries are the same as the Site boundaries.

The ICs, as described in the March 1993 ROD, consist of the following:

- Post-closure maintenance and monitoring will be conducted for 30 years, starting in 1995, to ensure the long-term effectiveness of the remedy and provide early detection should failure occur.
- The Order on Consent signed by Dunlop, effective April 23, 1991, is a legally binding agreement that requires the company to inspect the final cover quarterly (the frequency has been reduced to semi-annually) and maintain it for 30 years. This maintenance program, in combination with the post-closure monitoring program, will help ensure the long-term effectiveness of the cap. If during that time the Department concludes that any element of the cover fails to perform as predicted, or otherwise fails to protect human health or the environment, the Department can require Sumitomo to make modifications or repairs as required.
- If Sumitomo closes the Facility, the Order on Consent requires the company to continue its maintenance and monitoring programs.
- If the property is sold, Sumitomo must notify the Department within 60 days of closing and furnish the name(s) of the prospective new owner(s) of the property. In addition, Sumitomo must inform the new owner(s) about the landfills and that an Order on Consent is in effect.

Engineering Controls

The purpose of the ECs is to prevent direct human contact with on-Site waste, prevent the erosion and transport of contaminated soil from the Site into surrounding wetland

areas, control the migration of contaminated groundwater form the Site, and reduce environmental risk to wildlife living in the surrounding wetlands. The ECs, as described in the March 1993 ROD, include the following:

- The three landfills were capped with 18 inches of clay compacted to a minimum permeability (hydraulic conductivity) of $1x10^{-7}$ cm/sec. The caps were covered with 6 inches of soil amenable to plant growth, seeded, and mulched. Areas overlying the three landfills associated with vehicle traffic were paved in the fall of 1992.
- Surface water runoff is directed to catch basins that discharge to the plant settling pond. Monitoring of this pond occurs semi-annually as a SPDES permit condition.
- The Site is fenced.

The Site cap is a permanent control and the quality and integrity of the cap is inspected semi annually.

IV. Inspections and Monitoring Activities

Semi-annual Cap Inspection

The cap at the Site is intended to prevent contact between Site visitors and workers and the remaining contamination. The cap consists of low permeability clay covered by soil capable of sustaining vegetation, and by areas of asphalt pavement over portions of the Site subject to vehicle traffic (no confirmed clay cap). An inspection of the cap at all three disposal Sites is performed on a semi-annual basis in accordance with the SMP schedule, regardless of the frequency of the Periodic Review Report (PRR).

Each cap inspection includes a walkover and visual assessment of the cap. The inspection does not include any areas where work is being performed. The following items are evaluated to ascertain the need for corrective action:

- Soil cover system – The presence of desiccation cracks, freeze/thaw damage, and the presence of seeps or leachate breakouts.
- Asphalt – The quality of the pavement for cracking or other deterioration
- Landscaping – The vigor and density of the vegetative cover both on the cap and in grass-lined drainage ways as well as bare, sparse, and undernourished areas
- Erosion – The presence of any erosion.
- Settlement – Visual evidence of differential settlement and its impact on either the cap integrity or required drainage patterns
- Drainage features – Ditches, culverts, piping, and structures for siltation, ponding, or erosion damage.
- Ancillary features – The integrity of other remedial action features such as fences and access roads and any items in need of repair.

The semi-annual cap inspections were completed on October 29, 2020 and April 19, 2021. The inspection forms are provided in Appendix A.

No issues were identified in Area C.

Deteriorated pavement was observed In Area A at the northwest corner of the building and in the paved portion of Area B. These areas are subject to heavy truck traffic. The surface of the pavement has deteriorated but no soil or waste has been exposed. Pavement maintenance/repair activities will be completed in Areas A and B in accordance with Section 7.2 of the SMP.

Areas of sparse vegetation and topsoil erosion were identified along the banks of the forebay to the stormwater retention pond which extends into Area B. The clay layer is visible. Soil cover maintenance/repair activities will be conducted in accordance with Section 7.3 of the SMP.

Groundwater Monitoring

Groundwater monitoring is performed annually to monitor the long-term effectiveness of the Site closure and provide for early detection should failure occur, as outlined in the SMP. Trends in contaminant concentrations in groundwater are evaluated to determine if the ICs and ECs in place at the Site continue to be effective in protecting public health and the environment. Wells downgradient of the capped areas are monitored to evaluate the effectiveness of the closure action. Wells upgradient of the capped areas will be monitored, as needed based on the downgradient results, to determine if upgradient groundwater, rather than the disposal areas, might be a source of downgradient impacts. In this case, the effectiveness of the closure would not be questioned.

The Groundwater monitoring well network includes the following seven wells (Figures 2 and 3):

- Upgradient wells: OMW-A6 and OMW-C1 (could not be located)
- Downgradient wells: OMW-B3, OMW-B4, OMW-A4, OMW-C5, and OMW-C7

Contaminants to be analyzed during each sampling event are defined as Analytical Schedule A analytes and Analytical Schedule B analytes and are listed on Table 1.

If turbidity in a groundwater sample is above 50 nephelometric turbidity unit (NTU), then both filtered and unfiltered samples are analyzed for metals in order to determine if suspended solids are contributing to the reported concentrations and, therefore, potentially giving a false indication of groundwater concentrations.

The wells requiring sampling this year (year 27) were all down gradient wells OMW-B3, OMW-B4, and OMW-C7. The samples were analyzed for Schedule B analytes.

Initial groundwater sampling was completed May 21, 2021. All parameters in all wells, with the exception of total Phenols, were below the action levels identified in Table 2. Phenol was detected at estimated concentrations of 12 milligrams per liter (mg/L). The value was estimated because the detected concentrations were below the reporting limit. Upon notification of the exceedance, the NYSDEC requested that the well be resampled for total phenolics and that PRR submission be postponed until the results were received. Monitoring well MW-C7 was resampled for total phenolics on July 27, 2021. The concentration of total phenolics in the resample was 17 mg/L (estimated). A

summary of the sample results is presented on Table 3. The laboratory data reports are provided in Appendix B.

No corrective actions are required at this time.

Visual Inspections of Monitoring Wells

All seven monitoring wells are visually inspected as part of the annual monitoring event, regardless of which wells are to be sampled. The wells are inspected for protective covers, well locks, water-tight locking caps, and cement pads or flush mount conditions.

The monitoring well inspections were completed on October 29, 2020 and April 19, 2021. The inspection forms are provided in Appendix C. Well OMW-C1 could not be located. Well inspection forms are provided in Appendix C. The inspections found that the wells are in good condition although some caps and locks were missing. The caps and locks have been replaced.

Monitoring well MW-A6 was damaged during construction. NYSDEC was notified and requested that if the well could not be repaired that it would have to be reinstalled. Earth Dimensions, Inc. assessed the well and found that only the riser was damaged and the screen had not been affected. Earth dimensions repaired the well.

No corrective actions are required.

Hydraulic Monitoring

Groundwater measurements were taken to assess groundwater flow conditions. Table 4 summarizes the water level measurements taken July 26, 2021. Figure 4 shows the updated groundwater contour map with groundwater flow direction.

V. Compliance and Corrective Actions

Sumitomo is currently in compliance with the Long-Term Monitoring Plan year 26 of the 30-year plan requirements and the SMP. Although the need for routine maintenance of pavement and the soil cover was identified, no issues of non-compliance were noted during this reporting year.

There are no recommendations or corrective actions based on the current conditions. The next landfill cap and monitoring well visual inspection will be completed in October 2021. The next groundwater monitoring event is scheduled to be completed in spring 2022.

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **915018**

Site Name Dunlop Tire and Rubber

Site Address: 3333 River Road Zip Code: 14150
City/Town: Tonawanda
County: Erie
Site Acreage: 25.000 (Landfill Areas)

Reporting Period: June 30, 2020 to June 30, 2021

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915018 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
65.17-2-1.111	Sumitomo Rubber USA, LLC	Monitoring Plan O&M Plan

The March 1993 Record of Decision contained a general Institutional Control described as follows:

- Post-closure maintenance and monitoring for thirty years to ensure the long-term effectiveness of the remedy and provide early detection should failure occur;

and described more specifically as:

- Compliance with this SMP by the Grantor and the Grantor's successors and assigns;
- All Engineering Controls must be operated and maintained as specified in this SMP;
- All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.
- Groundwater monitoring must be performed as defined in this SMP; and
- Data and information pertinent to Site Management must be reported at the frequency and in a manner defined in this SMP.

There are no use restrictions on this site.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
65.17-2-1.111	Cover System Fencing/Access Control Monitoring Wells

Three seperate landfills are capped with modified 360 caps. Groundwater quality is monitored annually.

Under the requirements of the Order on Consent, Dunlop submitted a Conceptual IRM Closure Plan in November 1992 that detailed the closure of the three landfills. The landfills were closed in accordance with the plan;

Each landfill was capped with eighteen inches of clay compacted to a minimum permeability of 1 x 10-7 cm/sec and covered with six inches of soil amenable to plant growth. Due to the low concentrations of volatile organic compounds detected at the sites, and the absence of volatile readings above background levels during intrusive activities, gas venting systems were not required for any of the landfills. In addition, due to the presence of the impermeable underlying silty clay, groundwater/leachate collection and treatment was not required. Slopes of the final landfill cover systems ranged from approximately 4% to 33%.

There are no demarcation layers between the caps and underlying fill material.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 915018

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Joseph Hinkle (print name) at 10 Sheridan Drive Tonawanda, NY 14150 (print business address)

am certifying as Environmental, Health & Safety Manager (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

8/18/21
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210 45 of the Penal Law.

I Richard J. Snyder at 2055 Niagara Falls Blvd Niagara Falls, NY 14304
print name print business address

am certifying as a Qualified Environmental Professional for the Owner
(Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Aug 16, 2021
Date

Tables

Table 1
Sumitomo Rubber USA, LLC
Sampling Schedule
Inactive Waste Sites 915018 A, B and C

Year	Analytical Schedule	Number of Sampling Events Per Year							Sampling Season
		Upgradient		Downgradient					
		A6	C1	B3	B4	A4	C5	C7	
1	A	2	2	2	2	2	2	2	Spring/Fall
2, 3	B			2	2	2	2	2	Spring/Fall
4, 5	B			1	1	1	1	1	Spring
6-9	B			1	1			1	Spring
10	B			1	1	1	1	1	Spring
11-14	B			1	1			1	Spring
15	B			1	1	1	1	1	Spring
16-19	B			1	1			1	Spring
20	B			1	1	1	1	1	Spring
21-24	B			1	1			1	Spring
25	B			1	1	1	1	1	Spring
26-29	B			1	1			1	Spring
30	B			1	1	1	1	1	Spring

Notes:

Starting year was 1994. 1st Sampling Year was 1995.

Table 2
Sumitomo Rubber USA, LLC
Groundwater Action Levels for Downgradient Wells

Parameter	Type	NYSDEC Criteria[1] (ppb)	OMW-B3 (ppb)	OMW-B4[2] (ppb)	OMW-A4 (ppb)	OMW-C5 (ppb)	OMW-C7 (ppb)
2-Butanone (MEK)	VOC	50	50	50	NS	NS	50
Benzene	VOC	1	0.7	2	NS	NS	0.7
1,1-Dichloroethane	VOC	5	5	5	NS	NS	5
1,2-Dichloroethene (total)	VOC	5	5	5	NS	NS	5
1,1,1-Trichloroethane	VOC	5	5	5	NS	NS	5
Arsenic	MET	25	25	25	NS	NS	25
Cadmium	MET	5	10	28	NS	NS	10
Chromium	MET	50	50	178	NS	NS	50
Lead	MET	25	32	52	NS	NS	25
Total Phenols	SEMI	1	1	1	NS	NS	1

Notes:

VOC = Volatile Organic Compounds

MET = Metals

SEMI = Semivolatile Organic Compound

[1] NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004

[2] Determined using existing data from OMW-B2

Table 3
Sumitomo Rubber USA, LLC
Annual Landfill Well Monitoring
Groundwater Analytical Results May 2021

Well ID		B3		B4		C7		
Date		Action Levels	5/21/2021	Action Levels	5/21/2021	Action Levels	5/21/2021	7/27/2021
Parameters	**Units**							
Volatile Organic Compounds	µg/L							
1,1-Dichloroethane	µg/L	5	ND (2.5)	5	ND (2.5)	5	ND (2.5)	-
1,2-Dichloroethane	µg/L	5	ND(0.50)	5	ND(0.50)	5	ND(0.50)	-
1,1,1-Trichloroethane	µg/L	5	ND (2.5)	5	ND (2.5)	5	ND (2.5)	-
Benzene	µg/L	0.7	ND (0.50)	2	ND (0.50)	0.7	ND (0.50)	-
2-Butanone	µg/L	50	ND (5.0)	50	ND (5.0)	50	ND (5.0)	-
Total Metals								
Arsenic	µg/L	25	9.64	25	0.35 J	25	0.6	-
Cadmium	µg/L	10	0.08 J	28	ND (0.05)	10	ND 0.0.5	-
Chromium	µg/L	50	1.56	178	6.14	50	7.61	-
Lead	µg/L	32	2.04	52	ND (0.34)	25	ND (0.34)	-
Dissolved Metals								
Dissolved Arsenic	µg/L	-	1.01	-	-	-	-	-
Dissolved Cadmium	µg/L	-	ND (0.05)	-	-	-	-	-
Dissolved Chromium	µg/L	-	0.49	-	-	-	-	-
Dissolved Lead	µg/L	-	ND (1.0)	-	-	-	-	-
Inorganics & Miscellaneous								
Turbidity	NTU	-	63	-	10	-	1.6	-
Specific Conductance	umhos/cm	-	920	-	3000	-	1600	-
Total Phenolics	µg/L	1	ND (30)	1	ND (6)	1	**12 J**	**17 J**

Notes:

ND = Nondetect

J = Estimated value. The target analyte concentration is below the quantitation limit, but above the method detection limit.

Bold data results are above action levels

Table 4
Sumitomo Rubber USA, LLC
Annual Landfill Well Monitoring
Groundwater Elevations
July 2021

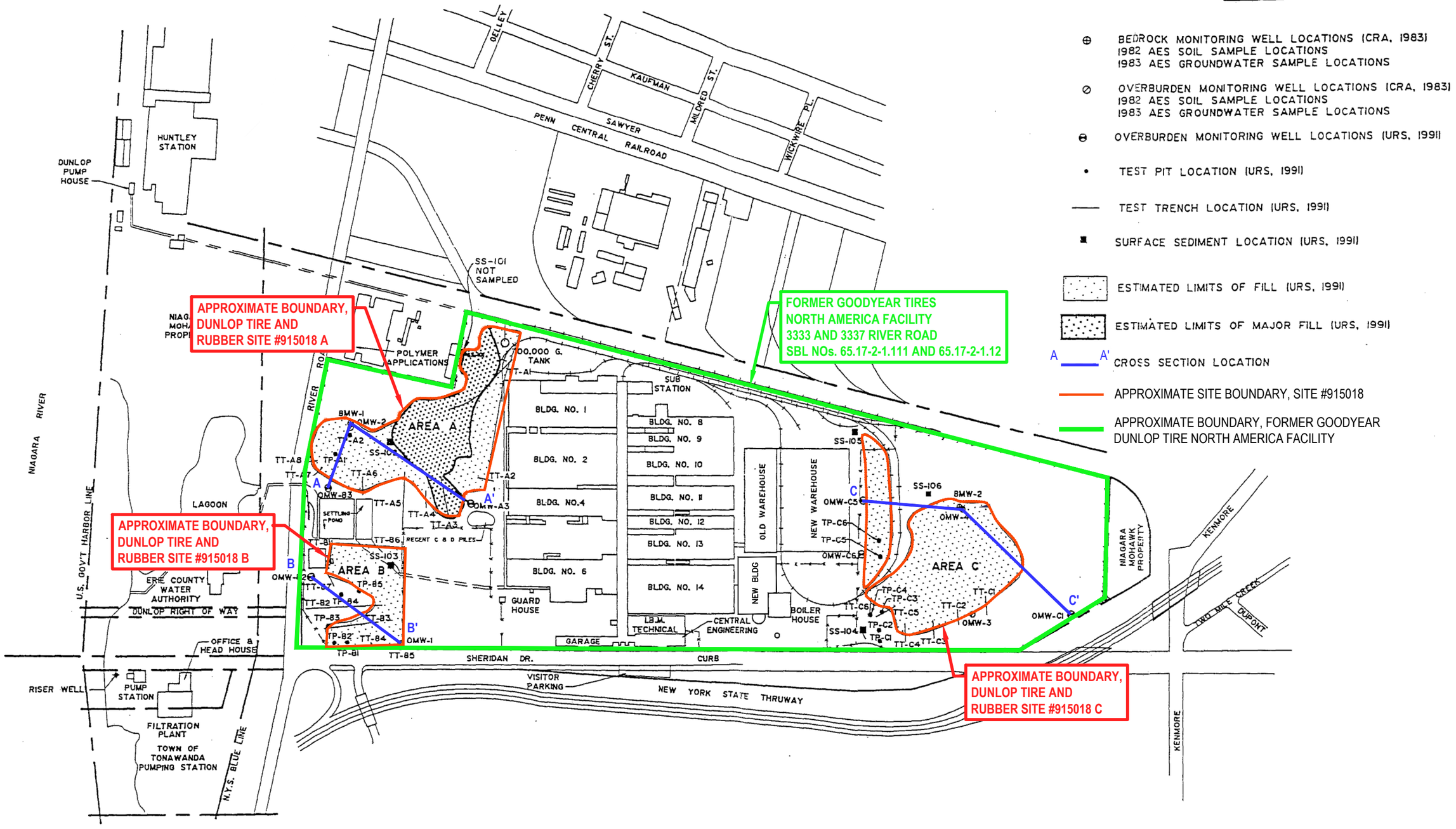
	Northing	Easting	Latitude	Longitude	Ground Elevation (FAMSL)	Top Riser Elevation (FAMSL)	Depth to Water (feet)	Groundwater Elevation (FAMSL)
Well ID								
OMW-A4	1081783.969	1056815.907	N 42º58'06.6290"	W 078º55'30.4211"	581.6	587.02	8.13	578.89
OMW-B3	1081634.987	1057041.503	N 42º58'05.1664"	W 078º55'27.3786"	577.0	579.85	8.24	571.61
OMW-B4	1081143.389	1057439.298	N 42º58'00.3265"	W 078º55'22.0014"	585.3	587.37	6.65	580.72
OMW-A6	1082260.545	1057691.331	N 42º58'11.3714"	W 078º55'18.6720"	593.84 (rim)	593.29	6.72	586.57
OMW-C5	1083560.949	1059089.490	N 42º58'24.2716"	W 078º54'59.9349"	602.5	603.87	4.85	599.02
OMW-C7	1083147.785	1059628.405	N 42º58'20.2115"	W 078º54'52.6637"	599.2	602.06	5.45	596.61

Notes:

Coordinate System based on NAD83 (2011) NY West

Elevations shown are referenced to NAVD88 NGS Monument Designation-TOM TTWTP USLS / PID-NC0305

Figures



LEGEND

- ⊕ BEDROCK MONITORING WELL LOCATIONS (CRA, 1983)
  1982 AES SOIL SAMPLE LOCATIONS
  1983 AES GROUNDWATER SAMPLE LOCATIONS
- ⊘ OVERBURDEN MONITORING WELL LOCATIONS (CRA, 1983)
  1982 AES SOIL SAMPLE LOCATIONS
  1983 AES GROUNDWATER SAMPLE LOCATIONS
- ⊖ OVERBURDEN MONITORING WELL LOCATIONS (URS, 1991)
- • TEST PIT LOCATION (URS, 1991)
- —— TEST TRENCH LOCATION (URS, 1991)
- ■ SURFACE SEDIMENT LOCATION (URS, 1991)
- ESTIMATED LIMITS OF FILL (URS, 1991)
- ESTIMATED LIMITS OF MAJOR FILL (URS, 1991)
- A ___ A' CROSS SECTION LOCATION
- APPROXIMATE SITE BOUNDARY, SITE #915018
- APPROXIMATE BOUNDARY, FORMER GOODYEAR DUNLOP TIRE NORTH AMERICA FACILITY

SOURCE: URS CONSULTANTS, INC., APRIL 1992, REPORT OF FIELD INVESTIGATION AND DATA ANALYSIS, INACTIVE DISPOSAL SITES NOS. 915018 A, B, C, SUBMITTED TO THE NYSDEC.

0 500'

GHD

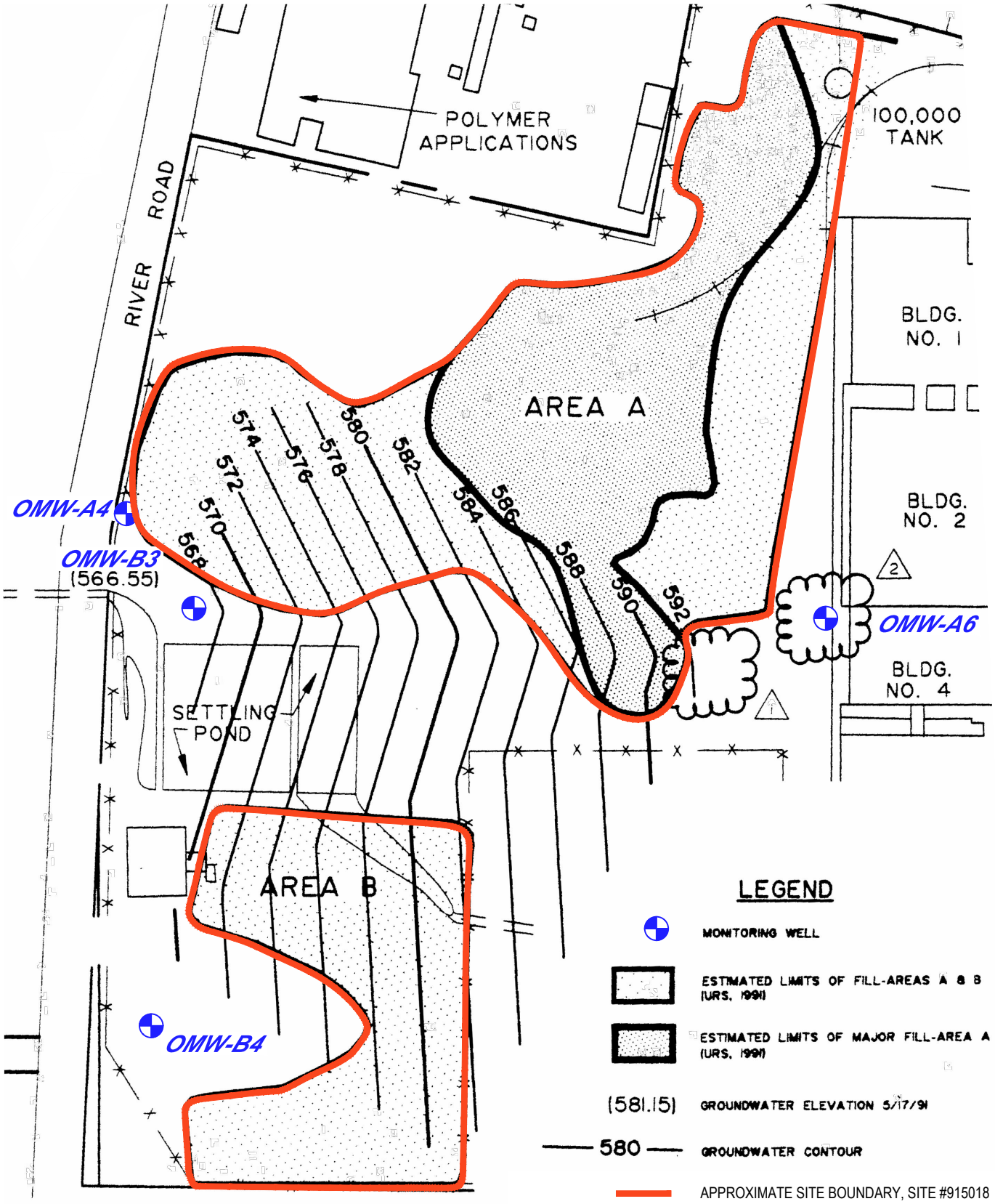
DUNLOP TIRE AND RUBBER SITE, SITE #915018
3333 RIVER RD TONAWANDA, NEW YORK
SITE MANAGEMENT PLAN

SITE PLAN

Project No. **11222959**
Report No. **2021 PRR**
Date **AUG 2021**

FIGURE 1

Filename: \\ghdnet\ghd\US\Niagara Falls\Projects\564\11222959\Digital_Design\ACAD 2020\Figures\2021 PRR\Figures\11222959 - Figure 1.dwg
Plot Date: 4 August 2021 - 2:29 PM



SOURCE: URS CONSULTANTS, INC., JULY 1994, LONG-TERM MONITORING PLAN, CLOSURE OF INACTIVE WASTE SITES, NYSDEC NOs. 915018 A, B, C, PREPARED FOR DUNLOP TIRE CORPORATION.

0 200'

N

GHD

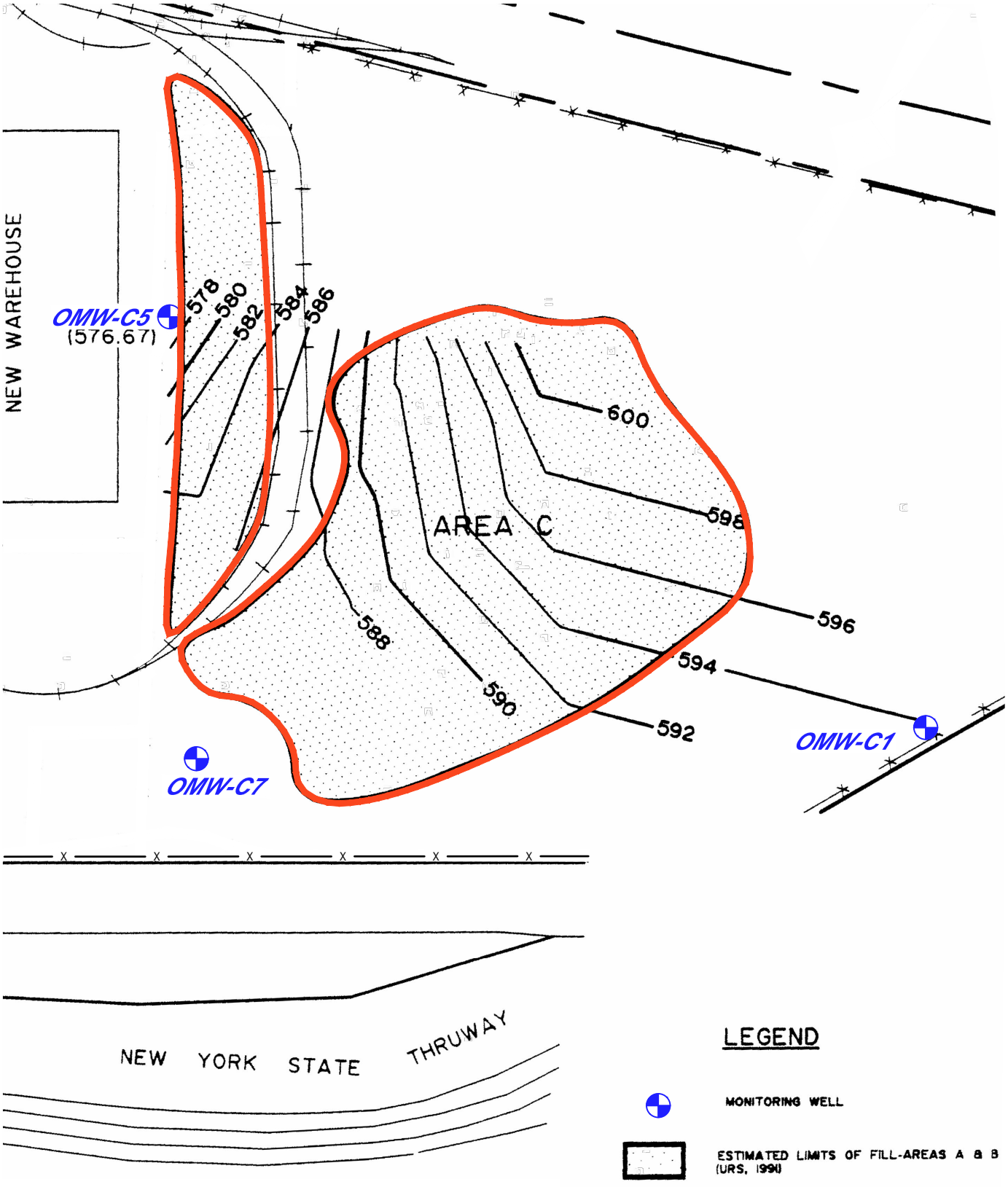
DUNLOP TIRE AND RUBBER SITE, SITE #915018
3333 RIVER RD TONAWANDA, NEW YORK
SITE MANAGEMENT PLAN

LOCATIONS OF WELLS FOR LONG-TERM MONITORING
DISPOSAL SITES A AND B

Project No. **11222959**
Report No. **2021 PRR**
Date **AUG 2021**

FIGURE 2

Filename: \\ghdnet\ghd\US\Niagara Falls\Projects\564\11222959\Digital_Design\ACAD 2020\Figures\2021 PRR\Figures\11222959 - Figure 2.dwg
Plot Date: 4 August 2021 - 2:30 PM



SOURCE: URS CONSULTANTS, INC., JULY 1994, LONG-TERM MONITORING PLAN, CLOSURE OF INACTIVE WASTE SITES, NYSDEC NOs. 915018 A, B, C, PREPARED FOR DUNLOP TIRE CORPORATION.

0 200'

N

GHD

DUNLOP TIRE AND RUBBER SITE, SITE #915018
3333 RIVER RD TONAWANDA, NEW YORK
SITE MANAGEMENT PLAN

LOCATIONS OF WELLS FOR LONG-TERM MONITORING

DISPOSAL SITE C

Project No. **11222959**
Report No. **2021 PRR**
Date **AUG 2021**

FIGURE 3

Filename: \\ghdnet\ghd\US\Niagara Falls\Projects\564\11222959\Digital_Design\ACAD 2020\Figures\2021 PRR\Figures\11222959 - Figure 3.dwg
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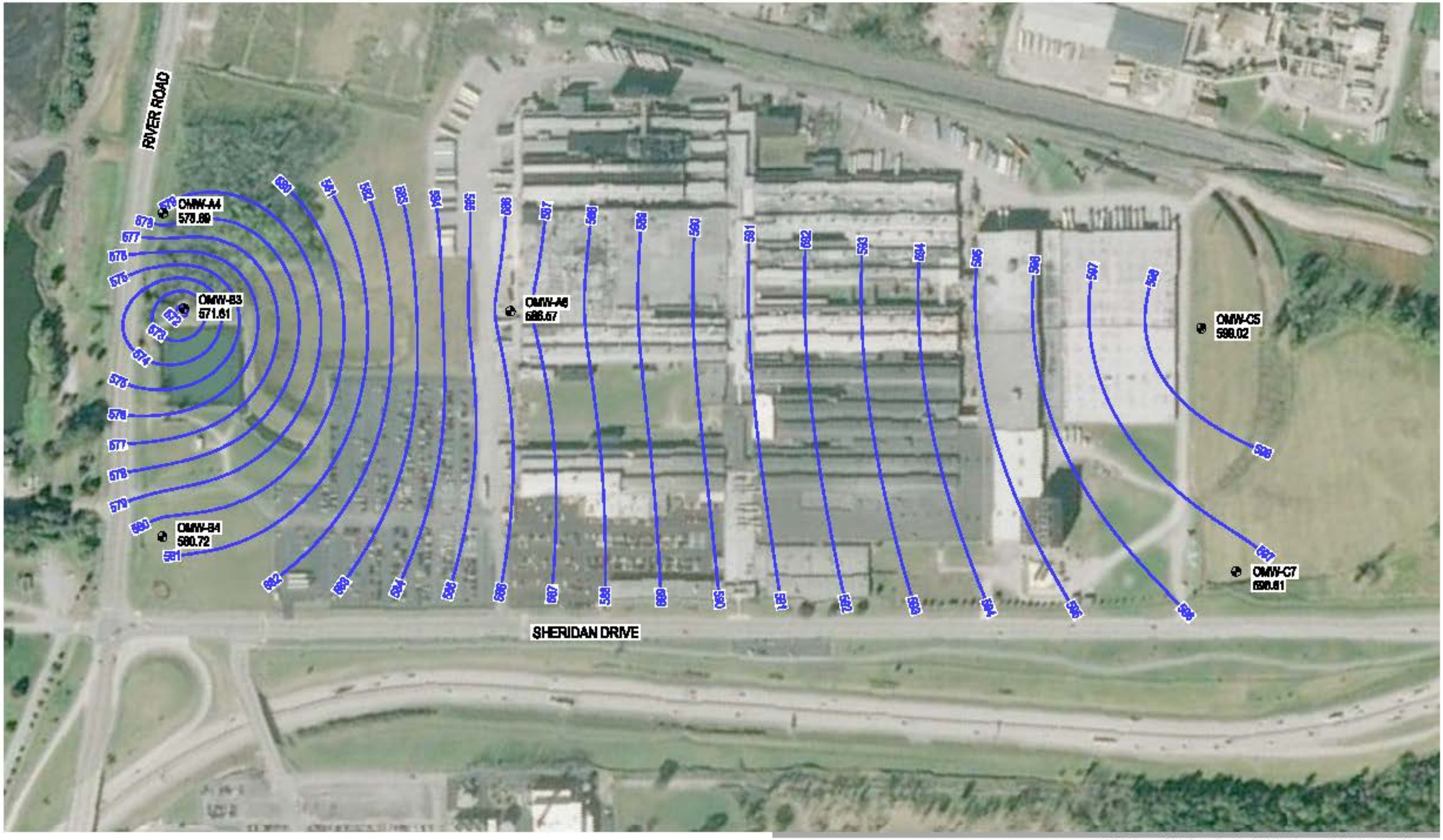

0 250'

GHD

DUNLOP TIRE AND RUBBER SITE, SITE #915018
3333 RIVER RD TONAWANDA, NEW YORK
SITE MANAGEMENT PLAN

GROUNDWATER CONTOUR MAP
JULY 2021

Project No. 11222059
Report No. 2021 PRR
Date AUG 2021

FIGURE 4

Appendix A
Landfill Cap Inspection Forms

DEO -00011 / 0-1 Semi-Annual Landfill Cap and Monitoring Well Visual Inspection Form
See PPS -00431

Appendix I

Sumitomo Rubber USA, LLC
Landfill Condition - Semiannual Inspection Report

Site No.: 915018 A, B, C
Date of Inspection: 10/29/2020

Name of Inspector: Christine Beaton

Management or Maintenance Activities Occurring During Inspection: None

	Topsoil Erosion Occurring?	Clay Cap Erosion Occurring?	Desiccation Cracks or Freeze/Thaw Damage Present?	Any Seeps or Leachate Breakouts Present?	Ditches Free of Obstruction?	Any Siltation, Ponding, or Erosion Damage in Drainage Features*?	Grass Cover Adequate?	Any Bare, Sparse, or Undernourished Areas Present?	Any Settlement Observed in Cover System?	Paved Areas Intact?	Any Cracking, Deterioration, or Settlement in Pavement?	Note Any Damage
AREA "B"												
Southeast Area	NO	NO	NO	NO	yes	NO	yes	NO	NO			Divet next to Rad
Southern Area	NO	NO	NO	NO	yes	NO	yes	NO	NO			Rock Spot around pipe
Northern Area	NO	NO	NO	NO	yes	NO	NO yes	yes NO	NO			
River Road Ditch	NO	NO	NO	NO	yes	NO	yes	NO	NO			
Describe any issues with ancillary features in this area (e.g., fencing, access):												
BORROW PIT												
AREA "A"												
Central Area	NO	NO	NO	NO	yes	NO	yes	NO	NO	yes	yes	needs paved maintained
Northeast Area	NO	NO	NO	NO	yes	NO	yes	NO	NO			
Describe any issues with ancillary features in this area (e.g., fencing, access):												
AREA "C"												
Outlying Area	NO	NO	NO	NO	yes	NO	yes	NO	NO			
Major Area	NO											
Ditch at Toe of Slope	NO											
Sheridan Drive Ditch	NO											
Stockpile Area	NO											
Warehouse Ditch	NO											
Describe any issues with ancillary features in this area (e.g., fencing, access):												
Paved Areas												
Parking Lot										yes	yes	Plans need to be made for maintenance / Repairs
Driveway										yes	yes	
Describe any issues with ancillary features in this area (e.g., fencing, access):												

WEATHER CONDITIONS:

Temperature	50°F
Wind Direction	North
Wind Speed	0
Precipitation Amount	0
Sky Conditions	Overcast
Inches of Snow Cover	0

Describe Any Corrective Action Required:
Paved areas need to be maintained/Repaved
Exposed pipe needs to be covered + Sealed.

Describe Any Corrective Action Taken:
Completed Env. Incident Report

Are Site Records Up-To-Date? Check One: ☒ YES ☐ NO

If Site Records are Not Up-To-Date, Describe the Deficiencies:

* Includes ditches, culverts, piping, and other structures associated with drainage features

Weather Conditions	
Temperature	60
Wind Direction/speed	10 W
Precipitation Amount	—
Sky conditions	Clear
Inches of Snow Cover	0

APPENDIX I SUMITOMO RUBBER USA, LLC
LANDFILL CONDITION – SEMI-ANNUAL INSPECTION REPORT

Date: 4/19/21
Inspector: RJCook

	BORROW PIT AREA "A"		AREA "C"	
	Central Area	Northeast Area	Outlying Area	Major Area
Topsoil Erosion Occurring	N	N	N	N
Clay Cap Erosion Occurring	N	N	N	N
Desiccation Cracks or Freeze/Thaw Damage Present	N	N	small spot monitor that they don't grow	N
Any Seeps or Leachate Breakouts Present	N	N	N	N
Ditches Free of Obstruction	Y	Y	Y	Y
Any Siltation, Ponding, or Erosion Damage in Drainage Features	N	N	N	N
Grass Cover Adequate	Y	N	Y	X
Any Bare, Sparse of Undernourished Areas Present	N	N	small monitor	N
Any Settlement Observed in Cover System	N	N	N	N
Paved Areas Intact	NA	corner near bldg ing almost down to dirt	NA	NA
Any Cracking, Deterioration, or Settlement inn Pavement	NA		NA	NA
Note Any Damage				

Describe any issues with ancillary features in this area (e.g., fencing, access)

Management or Maintenance Activities Occurring during Inspection:
None

Describe any corrective actions required:
paving at corner near bldging. Seed area near cooling tower

Describe any corrective actions taken:

Are site records up-to-date – **yes** **no**
Describe deficiencies

Weather Conditions	
Temperature	18°
Wind Direction/speed	18 W
Precipitation Amount	
Sky conditions	Clear
Inches of Snow Cover	

APPENDIX I SUMITOMO RUBBER USA, LLC
LANDFILL CONDITION – SEMI-ANNUAL INSPECTION REPORT

Date: 4/19/21
Inspector: RS Cook

	AREA "C"			
	Ditch at Toe of Slope	Sheridan Dr. Ditch	Stockpile Area	Warehouse Ditch
Topsoil Erosion Occurring	N	N	N	N
Clay Cap Erosion Occurring	N	N	N	N
Desiccation Cracks or Freeze/Thaw Damage Present	N	N	N	N
Any Seeps or Leachate Breakouts Present	N	N	N	N
Ditches Free of Obstruction	~~N~~ Y	garbage	~~N~~ Y	~~N~~ garbage
Any Siltation, Ponding, or Erosion Damage in Drainage Features	N	N	N	N
Grass Cover Adequate	Y	Y	Y	Y
Any Bare, Sparse of Undernourished Areas Present	N	N	N	N
Any Settlement Observed in Cover System	N	N	N	N
Paved Areas Intact	NA	X	NA	NA
Any Cracking, Deterioration, or Settlement inn Pavement	NA	N	NA	NA
Note Any Damage				

Describe any issues with ancillary features in this area (e.g., fencing, access)

Management or Maintenance Activities Occurring during Inspection:

Describe any corrective actions required:
Clean ditches

Describe any corrective actions taken:

Are site records up-to-date – **yes** **no**
Describe deficiencies

Weather Conditions	
Temperature	40
Wind Direction/speed	10 N
Precipitation Amount	—
Sky conditions	Clear
Inches of Snow Cover	0

APPENDIX I SUMITOMO RUBBER USA, LLC
LANDFILL CONDITION – SEMI-ANNUAL INSPECTION REPORT

Date: 4/19/21
Inspector: PJ Cook

AREA B				
	Southeast Area	Southern Area	Northern Area	River Rad Ditch
Topsoil Erosion Occurring	N	N	geo membrane visible near pond Yes	N
Clay Cap Erosion Occurring	N	N	Yes	N
Desiccation Cracks or Freeze/Thaw Damage Present	N	N	N	N
Any Seeps or Leachate Breakouts Present	N	N	N	N
Ditches Free of Obstruction	Y	Y	Y	N
Any Siltation, Ponding, or Erosion Damage in Drainage Features	N	N	N	N
Grass Cover Adequate	Y	Y	No	Y
Any Bare, Sparse of Undernourished Areas Present	N	N	Y	N
Any Settlement Observed in Cover System	N	N	N	N
Paved Areas Intact	N	NA	NA	NA
Any Cracking, Deterioration, or Settlement inn Pavement	Y	NA	NA	NA
Note Any Damage	many areas of deterioration	None	Hole where tree was	None

Describe any issues with ancillary features in this area (e.g., fencing, access)

Management or Maintenance Activities Occurring during Inspection: None

Describe any corrective actions required: Paving needs repair
Fill hole where tree was
Bank at pond fore bay needs resloping + covering

Describe any corrective actions taken:

Are site records up-to-date – **yes** **no** Describe deficiencies

Yes

Weather Conditions	
Temperature	60
Wind Direction/speed	10 N
Precipitation Amount	—
Sky conditions	Clear
Inches of Snow Cover	0

APPENDIX I SUMITOMO RUBBER USA, LLC
LANDFILL CONDITION – SEMI-ANNUAL INSPECTION REPORT

Date: 4/19/21
Inspector: PJ Cook

	Pave Areas			
	Parking Lot	Driveway		
Topsoil Erosion Occurring				
Clay Cap Erosion Occurring				
Desiccation Cracks or Freeze/Thaw Damage Present				
Any Seeps or Leachate Breakouts Present				
Ditches Free of Obstruction				
Any Siltation, Ponding, or Erosion Damage in Drainage Features				
Grass Cover Adequate				
Any Bare, Sparse of Undernourished Areas Present				
Any Settlement Observed in Cover System				
Paved Areas Intact	No	No		
Any Cracking, Deterioration, or Settlement inn Pavement	Bad condition			
Note Any Damage				

Describe any issues with ancillary features in this area (e.g., fencing, access)

Management or Maintenance Activities Occurring during Inspection:
Describe any corrective actions required: Pavement needs repair
Describe any corrective actions taken:
Are site records up-to-date – (**yes**) **no** Describe deficiencies

Appendix B
Alpha Analytical Laboratory Report and Groundwater Measurements

ANALYTICAL REPORT

Lab Number:	L2126909
Client:	Sumitomo Rubber USA, LLC PO Box 1109 Buffalo, NY 14240
ATTN:	Pam Cook
Phone:	(716) 879-8497
Project Name:	WELL SAMPLING
Project Number:	Not Specified
Report Date:	07/02/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2126909
Report Date: 07/02/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2126909-01	WELL B3	WATER	BUFFALO, NY	05/21/21 10:30	05/21/21
L2126909-02	WELL B4	WATER	BUFFALO, NY	05/21/21 10:45	05/21/21
L2126909-03	WELL C7	WATER	BUFFALO, NY	05/21/21 10:15	05/21/21
L2126909-04	TRIP BLANK	WATER	BUFFALO, NY	05/21/21 00:00	05/21/21

Project Name:	WELL SAMPLING	**Lab Number:**	L2126909
Project Number:	Not Specified	**Report Date:**	07/02/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	WELL SAMPLING	**Lab Number:**	L2126909
Project Number:	Not Specified	**Report Date:**	07/02/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Please note that this report format does not contain typical QC parameters that were performed with these samples. As such, any QC outliers or non-conformances can only be reviewed by accessing your Alpha Customer Center account at www.alphalab.com and building a Data Usability table (format 11) in our Data Merger tool.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 07/02/21

VOLATILES

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-01
Client ID: WELL B3
Sample Location: BUFFALO, NY

Date Collected: 05/21/21 10:30
Date Received: 05/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/31/21 22:22
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	111		70-130

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-02
Client ID: WELL B4
Sample Location: BUFFALO, NY

Date Collected: 05/21/21 10:45
Date Received: 05/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/31/21 22:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	109		70-130

Project Name: WELL SAMPLING
Project Number: Not Specified
Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-03
Client ID: WELL C7
Sample Location: BUFFALO, NY
Date Collected: 05/21/21 10:15
Date Received: 05/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/31/21 23:18
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-04
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY

Date Collected: 05/21/21 00:00
Date Received: 05/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/31/21 23:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	112		70-130

METALS

Project Name: WELL SAMPLING
Project Number: Not Specified
Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-01
Client ID: WELL B3
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water

Date Collected: 05/21/21 10:30
Date Received: 05/21/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00964		mg/l	0.00050	0.00016	1	06/03/21 03:05	06/08/21 18:24	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00008	J	mg/l	0.00020	0.00005	1	06/03/21 03:05	06/08/21 18:24	EPA 3005A	1,6020B	CD
Chromium, Total	0.00159		mg/l	0.00100	0.00017	1	06/03/21 03:05	06/08/21 18:24	EPA 3005A	1,6020B	CD
Lead, Total	0.00204		mg/l	0.00100	0.00034	1	06/03/21 03:05	06/08/21 18:24	EPA 3005A	1,6020B	CD
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.00101		mg/l	0.00050	0.00016	1	07/01/21 13:10	07/01/21 15:56	EPA 3005A	1,6020B	CD
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	07/01/21 13:10	07/01/21 15:56	EPA 3005A	1,6020B	CD
Chromium, Dissolved	0.00049	J	mg/l	0.00100	0.00017	1	07/01/21 13:10	07/01/21 15:56	EPA 3005A	1,6020B	CD
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	07/01/21 13:10	07/02/21 13:20	EPA 3005A	1,6020B	CD

Project Name: WELL SAMPLING
Project Number: Not Specified
Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-02
Client ID: WELL B4
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water

Date Collected: 05/21/21 10:45
Date Received: 05/21/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00035	J	mg/l	0.00050	0.00016	1	06/03/21 03:05	06/08/21 17:42	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/03/21 03:05	06/08/21 17:42	EPA 3005A	1,6020B	CD
Chromium, Total	0.00614		mg/l	0.00100	0.00017	1	06/03/21 03:05	06/08/21 17:42	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/03/21 03:05	06/08/21 17:42	EPA 3005A	1,6020B	CD

Project Name: WELL SAMPLING
Project Number: Not Specified
Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-03
Client ID: WELL C7
Sample Location: BUFFALO, NY
Sample Depth:
Matrix: Water

Date Collected: 05/21/21 10:15
Date Received: 05/21/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00060		mg/l	0.00050	0.00016	1	06/03/21 03:05	06/08/21 17:47	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/03/21 03:05	06/08/21 17:47	EPA 3005A	1,6020B	CD
Chromium, Total	0.00761		mg/l	0.00100	0.00017	1	06/03/21 03:05	06/08/21 17:47	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/03/21 03:05	06/08/21 17:47	EPA 3005A	1,6020B	CD

INORGANICS
&
MISCELLANEOUS

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-01
Client ID: WELL B3
Sample Location: BUFFALO, NY

Date Collected: 05/21/21 10:30
Date Received: 05/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Turbidity	63		NTU	0.40	0.12	2	-	05/23/21 06:20	121,2130B	MR
Specific Conductance @ 25 C	920		umhos/cm	10	10.	1	-	05/24/21 16:51	1,9050A	AS
Phenolics, Total	ND		mg/l	0.030	0.006	1	06/04/21 07:12	06/04/21 11:18	4,420.1	KP

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-02
Client ID: WELL B4
Sample Location: BUFFALO, NY

Date Collected: 05/21/21 10:45
Date Received: 05/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Turbidity	10		NTU	0.20	0.06	1	-	05/23/21 06:20	121,2130B	MR
Specific Conductance @ 25 C	3000		umhos/cm	10	10.	1	-	05/24/21 16:51	1,9050A	AS
Phenolics, Total	ND		mg/l	0.030	0.006	1	06/04/21 07:12	06/04/21 11:19	4,420.1	KP

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2126909
Report Date: 07/02/21

SAMPLE RESULTS

Lab ID: L2126909-03
Client ID: WELL C7
Sample Location: BUFFALO, NY

Date Collected: 05/21/21 10:15
Date Received: 05/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Turbidity	1.6		NTU	0.20	0.06	1	-	05/23/21 06:20	121,2130B	MR
Specific Conductance @ 25 C	1600		umhos/cm	10	10.	1	-	05/24/21 16:51	1,9050A	AS
Phenolics, Total	0.012	J	mg/l	0.030	0.006	1	06/04/21 07:12	06/04/21 11:20	4,420.1	KP

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2126909
Report Date: 07/02/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2126909-01A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-01B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-01C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-01D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-
L2126909-01E	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		TURB-2130(2),COND-9050(28)
L2126909-01F	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180),CD-6020T(180)
L2126909-01G	Amber 1000ml H2SO4 preserved	A	<2	<2	3.9	Y	Absent		NY-TPHENOL-420(28)
L2126909-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		CR-6020S(180),PB-6020S(180),AS-6020S(180),CD-6020S(180)
L2126909-02A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-02B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-02C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-02D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-
L2126909-02E	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		TURB-2130(2),COND-9050(28)
L2126909-02F	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180),CD-6020T(180)
L2126909-02G	Amber 1000ml H2SO4 preserved	A	<2	<2	3.9	Y	Absent		NY-TPHENOL-420(28)
L2126909-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2126909-03A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-03B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-03C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-03D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-
L2126909-03E	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		TURB-2130(2),COND-9050(28)
L2126909-03F	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180),CD-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2126909
Report Date: 07/02/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2126909-03G	Amber 1000ml H2SO4 preserved	A	<2	<2	3.9	Y	Absent		NY-TPHENOL-420(28)
L2126909-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2126909-04A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-04B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2126909-04C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	WELL SAMPLING	**Lab Number:**	L2126909
Project Number:	Not Specified	**Report Date:**	07/02/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report - No QC w/'J' Qual

Project Name:	WELL SAMPLING	**Lab Number:**	L2126909
Project Number:	Not Specified	**Report Date:**	07/02/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report - No QC w/'J' Qual

Project Name:	WELL SAMPLING	**Lab Number:**	L2126909
Project Number:	Not Specified	**Report Date:**	07/02/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	WELL SAMPLING	**Lab Number:**	L2126909
Project Number:	Not Specified	**Report Date:**	07/02/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/22/21

ALPHA Job #: L2126909

Client Information

Client: Sumitomo (GOODYR-ISLE)
Address: PO Box 1109
Buffalo, NY 14240
Phone: 716-879-8497
Fax: 716-879-8400
Email: pamela_cook@sumitomorubber-u

Project Information

Project Name: Well Sampling
Project Location: Buffalo, NY
Project #
(Use Project name as Project #) ☐
Project Manager: Pamela Cook
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO # 4600032598

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Total and Dissolved Metals List: As,Cd,Cr,Pb (Lab to filter dissolved metals & Only analyze if turb is >50)
Volatiles List: MEK, Benzene, 1,1-dichloroethane, 1,2-dichloroethane and 1,1,1-trichloroethane-

Please specify Metals or TAL.

Sample Filtration

☐ Done
☑ Lab to do

Preservation
☑ Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (2175)- Site Specific	Total Phenols	Total Metals	*Dissolved Metals*	Specific Conductance	Turbidity		FIELD - pH & Temp	Sample Specific Comments	Total Bottle
2126909-01	Well B3	5/21/21	10:30	GW	ES/CB	X	X	X	X	X	X			pH 6.71 @ 12.2°c	7
02	Well B4	5/21/21	10:45	GW	↓	X	X	X	X	X	X			pH 7.29 @ 11.9°c	7
03	Well C7	5/21/21	10:15	GW	↓	X	X	X	X	X	X			pH 7.12 @ 11.1°c	7
04	Trip Blank			DI Water		X									2
						V	A	P	P	P	P				
						H	D	C	A	A	A				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
AMC	5/21/21 11:20		5/22/21 01:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2140175
Client:	Sumitomo Rubber USA, LLC PO Box 1109 Buffalo, NY 14240
ATTN:	Pam Cook
Phone:	(716) 879-8497
Project Name:	WELL SAMPLING - RESAMPLE
Project Number:	Not Specified
Report Date:	08/05/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WELL SAMPLING - RESAMPLE
Project Number: Not Specified

Lab Number: L2140175
Report Date: 08/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2140175-01	WELL C7	WATER	BUFFALO, NY	07/27/21 11:45	07/27/21

Project Name:	WELL SAMPLING - RESAMPLE	**Lab Number:**	L2140175
Project Number:	Not Specified	**Report Date:**	08/05/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	WELL SAMPLING - RESAMPLE	**Lab Number:**	L2140175
Project Number:	Not Specified	**Report Date:**	08/05/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Please note that this report format does not contain typical QC parameters that were performed with these samples. As such, any QC outliers or non-conformances can only be reviewed by accessing your Alpha Customer Center account at www.alphalab.com and building a Data Usability table (format 11) in our Data Merger tool.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Sebastian Corbin

Title: Technical Director/Representative Date: 08/05/21

INORGANICS
&
MISCELLANEOUS

Project Name: WELL SAMPLING - RESAMPLE
Project Number: Not Specified

Lab Number: L2140175
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140175-01
Client ID: WELL C7
Sample Location: BUFFALO, NY

Date Collected: 07/27/21 11:45
Date Received: 07/27/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Phenolics, Total	0.017	J	mg/l	0.030	0.006	1	07/29/21 07:08	07/29/21 12:25	4,420.1	KP

Project Name: WELL SAMPLING - RESAMPLE
Project Number: Not Specified

Lab Number: L2140175
Report Date: 08/05/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2140175-01A	Amber 1000ml H2SO4 preserved	A	<2	<2	3.6	Y	Absent		NY-TPHENOL-420(28)

*Values in parentheses indicate holding time in days

Project Name:	WELL SAMPLING - RESAMPLE	**Lab Number:**	L2140175
Project Number:	Not Specified	**Report Date:**	08/05/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report - No QC w/'J' Qual

Project Name:	WELL SAMPLING - RESAMPLE	**Lab Number:**	L2140175
Project Number:	Not Specified	**Report Date:**	08/05/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report - No QC w/'J' Qual

Project Name:	WELL SAMPLING - RESAMPLE	**Lab Number:**	L2140175
Project Number:	Not Specified	**Report Date:**	08/05/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report - No QC w/'J' Qual

Project Name:	WELL SAMPLING - RESAMPLE	**Lab Number:**	L2140175
Project Number:	Not Specified	**Report Date:**	08/05/21

REFERENCES

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 1/28/21

ALPHA Job #: L2140175

Client Information

Client: Sumitomo (GOODYR-ISLE)
Address: PO Box 1109
Buffalo, NY 14240
Phone: 716-879-8497
Fax: 716-879-8400
Email: pamela_cook@sumitomorubber-us

Project Information

Project Name: Well Sampling -- ReSample
Project Location: Buffalo, NY
Project #
(Use Project name as Project #) ☐
Project Manager: Pamela Cook
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO # 4600032598

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Total and Dissolved Metals List: As,Cd,Cr,Pb (Lab to filter dissolved metals & Only analyze if turb is >50)
Volatiles List: MEK, Benzene, 1,1-dichloroethane, 1,2-dichloroethane and 1,1,1-trichloroethane-

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☑ Lab to do
Preservation
☑ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Phenols	FIELD - pH & Temp	Sample Specific Comments	Total Bottles
40175-01	Well C7	7/27/2021	11:45	GW	TW	X			1

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A	P	P	P	P		
Preservative	H	D	C	A	A	A		

Relinquished By:	Date/Time	Received By:	Date/Time
AAL	7-27-21/1220		7/28/21 0025

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

Appendix C

Well Condition Inspection Forms

DEO -00011 / 0-1 Semi-Annual Landfill Cap and Monitoring Well Visual Inspection Form
See PPS -00431

Date 10/29/20

2020

Appendix I

Sumitomo Rubber USA, LLC
Well Inspection Form

										NA if Stick-up (SU)												
Well Number	Installation Type	Inspector Initials	Inspection Date	Access	Installed Depth (Ft. BTOR)	Sounded Depth (Ft. BTOR)	Exterior ID	Interior ID	Condition of Well Casing	Flushmount (FM) - Surface Water	FM - Water in Curb Box	Condition of Curb Box	Gasket	Bolts	Lid	Concrete Base or Cement Pad	J-plug or Slip Cap	Locks	NAPL Present	NAPL Thickness (feet)	Notes	List Corrective Actions Required to Repair Deficiencies
OMW-A6	FM	CW	10/29		(23.5 ft. bgs)					DAM			Aged						NYS		DEC was notified Scheduled to repair or Replace	
OMW-C1	NOT FOUND				19.84					NOT					FOUND							
OMW-B3	SU	CMB	10/29		17.28	—	B3	B3	G	NA	—	—	—	—	↓							
OMW-B4	SU	CMB	10/29		(20.5 ft. bgs)	—	B4	B4	G	NA	—	—	—	—	↓	G	G	G	—	—		
OMW-A4	SU	CMB	10/29		(23.0 ft. bgs)	—	A4	A4	G	NA	—	—	—	—	↓	G	G	G	—	—		
OMW-C5	SU	CMB	10/29		28.97		C5	C5	G	NA	—	—	—	—	↓	G	G	G	—	—		
OMW-C7	SU	CMB	10/29		(21.0 ft. bgs)		C7	C7	G	NA	—	—	—	—	↓	G	G	G	—	—		

Notes:

Ft. BTOR - Feet below top of riser
ft. bgs - Feet below ground surface
NAPL - Non-aqueous Phase Liquid
P - Poor
G - Good
NA - Not Applicable
N - No
Y - Yes
EW - Extraction Well

APPENDIX I
SUMITOMO RUBBER USA, LLC
MONITORING WELL – SEMI-ANNUAL INSPECTION FORM

Monitoring Well	OMW-A6	OMW-C1	OMW-B3	OMW-B4	0WM-A4	OMW-C5	OMW-C7
Installation Type	FSM		S	S	S	S	S
Inspector Initials	PJC		PJC	PJC	PJC	PJC	PJC
Inspection Date	4/19/21		4/19/21	4/19/21	4/19/21	4/14/21	4/14/21
Access	G	could not find	G	G	G	G	G
Installed Depth (Ft BTOR)	23.5 ft bgs	19.84	17.28	20.5 ft bgs	23.0 ft bgs	28.97	21.0 ft bgs
Sounded Depth (Ft BTOR)	—		—	—	—	—	—
Exterior ID	OMW-A6		OMW-B3	OMW-B4	OMW-A4	OMW-C5	None
Interior ID			OMW-B3	OMW-B4	OMW-A4	OMW-C5	None
Condition of Well Casing	New		G	G	G	G	G
Flushmount (FM) Surface Water	New		NA				
FN – Water in Curb Box							
Gasket							
Bolts	New						
Lid	New						
Concrete Base or Cement Pad	New		G	G	G	G	G
J-plug or Slip Cap			no plug	OK	no plug	no plug	no plug
Locks	NA		OK	needs new	OK	OK	need new
NAPL Present			N	N	N	N	N
NAPL Thickness (ft)			NA	NA	NA	NA	NA
Notes						casing dented	
Corrective Actions Required		lock		Needs new lock		Bees	Replace lock + mark

FtBTOG – Feet below top of riser
Ft bgs – Feet below ground surface
NAPL – Non-aqueous phase liquid
P – Poor
G – Good
NA – Not Applicable
N – No
Y – Yes
EW – Extraction Well