



SUMITOMO RUBBER USA, LLC



DUNLOP FALKEN

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

September 10, 2020

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 for the in accordance with the Site Management Plan (SMP) for the Dunlop Tire and Rubber Site (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)

**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 report¹, 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 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.

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.

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 was defined by a scrap 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. Fill

materials identified in the trenches included 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 from 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 1×10^{-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 22, 2019 and June 1, 2020. Both inspections showed that the caps on all three disposals areas are in good condition. The inspection forms are provided in Appendix A.

No corrective actions are required at this time.

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 26) 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 June 19, 2020. 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 20 milligrams per liter (mg/L) and 8 mg/L at monitoring wells MW-B4 and MW-C7 respectively. The values were estimated because the detected concentrations were below the reporting limit. Upon notification of the exceedances, the NYSDEC requested that the wells be resampled for total phenolics and that PRR submission be postponed until the results were received. Monitoring wells MW-B4 and MW-C7 were resampled on August 11, 2020. Phenol was detected at monitoring well MW-B4 at an estimated concentration of 12 mg/L. Phenol was not detected in the sample from MW-C7. 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 22, 2019 and June 1, 2020. The inspection forms are provided in Appendix C. Well OMW-C1 could not be located. The inspections show that all other monitoring wells are in good shape. The protective covers, water-tight locking caps, and cement pads for stick-up wells OMW-B4, OMW-B3, OMW-A4, OMW-C5, and OMW-C7 and the flush mount road box for well OMW-A6 are all in good condition. Will inspection forms are provided in Appendix C.

No corrective actions are required at this time.

Hydraulic Monitoring

Groundwater measurements are taken at the monitoring wells that were sampled to assess groundwater flow conditions during the annual monitoring event. Table 4 summarizes the water level measurements taken during the August 11, 2020 sample event. 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. 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 2020. The next groundwater monitoring event is scheduled to be completed in spring 2021.



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site No. 915018 **Site Details** **Box 1**

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, 2019 to June 30, 2020

- | | YES | NO |
|---|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|-------------------------------------|

Box 2

- | | YES | NO |
|--|-------------------------------------|--------------------------|
| 6. Is the current site use consistent with the use(s) listed below?
Closed Landfill | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Are all ICs/ECs in place and functioning as designed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**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

Description of Institutional ControlsParcelOwnerInstitutional 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**ParcelEngineering Control

65.17-2-1.111

Cover System
Fencing/Access Control
Monitoring Wells

Three separate 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 1×10^{-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.

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 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 complete.

YES NO

☒ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

- (a) the Institutional Control and/or 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

☒ ☐

**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 at 10 Sheridan Drive Tonawanda, NY 14150
print name 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

9/10/20
Date

IC/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)

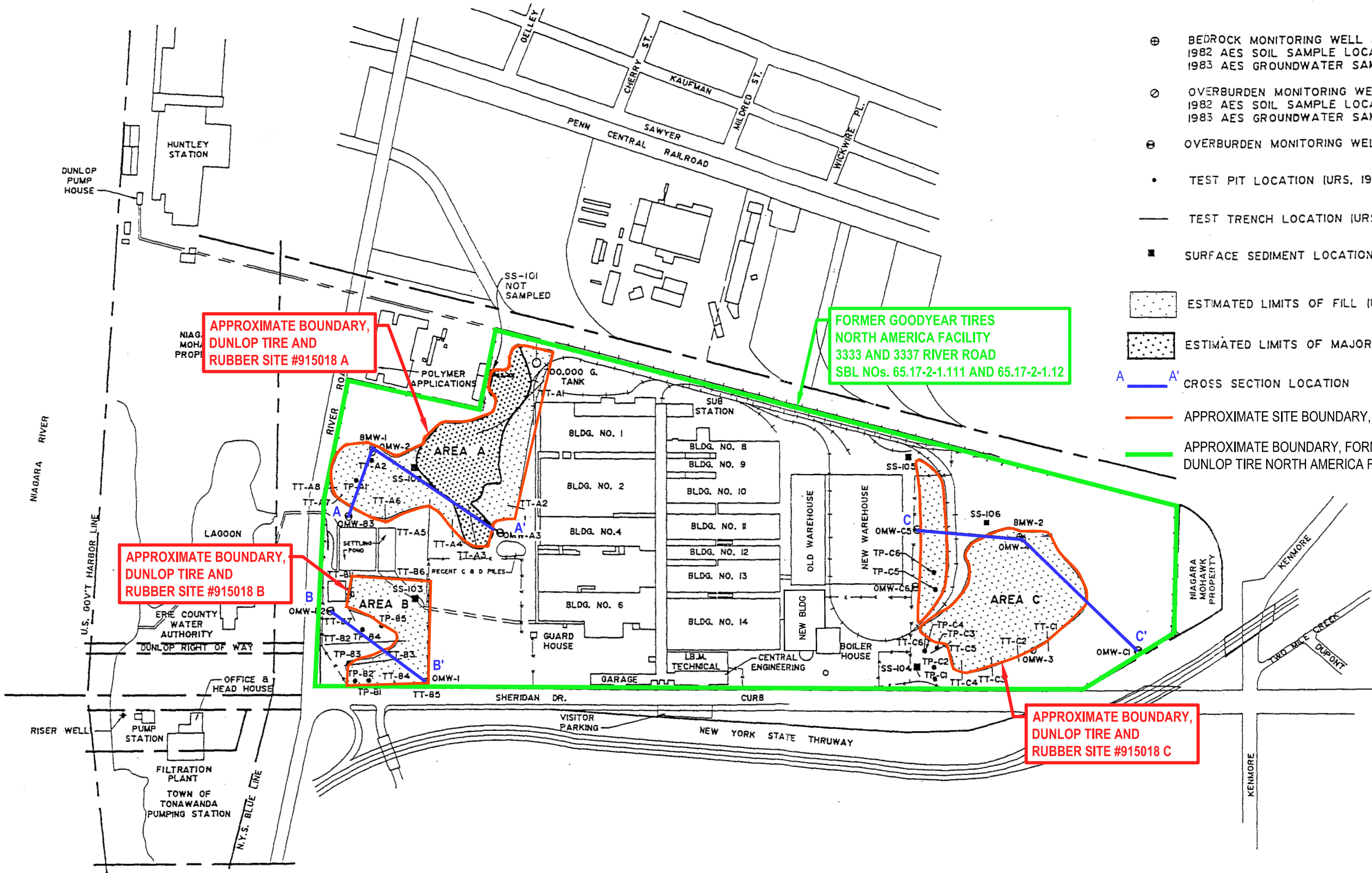
Richard J. Snyder
Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification



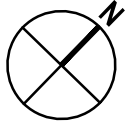
September 10, 2020
Date

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



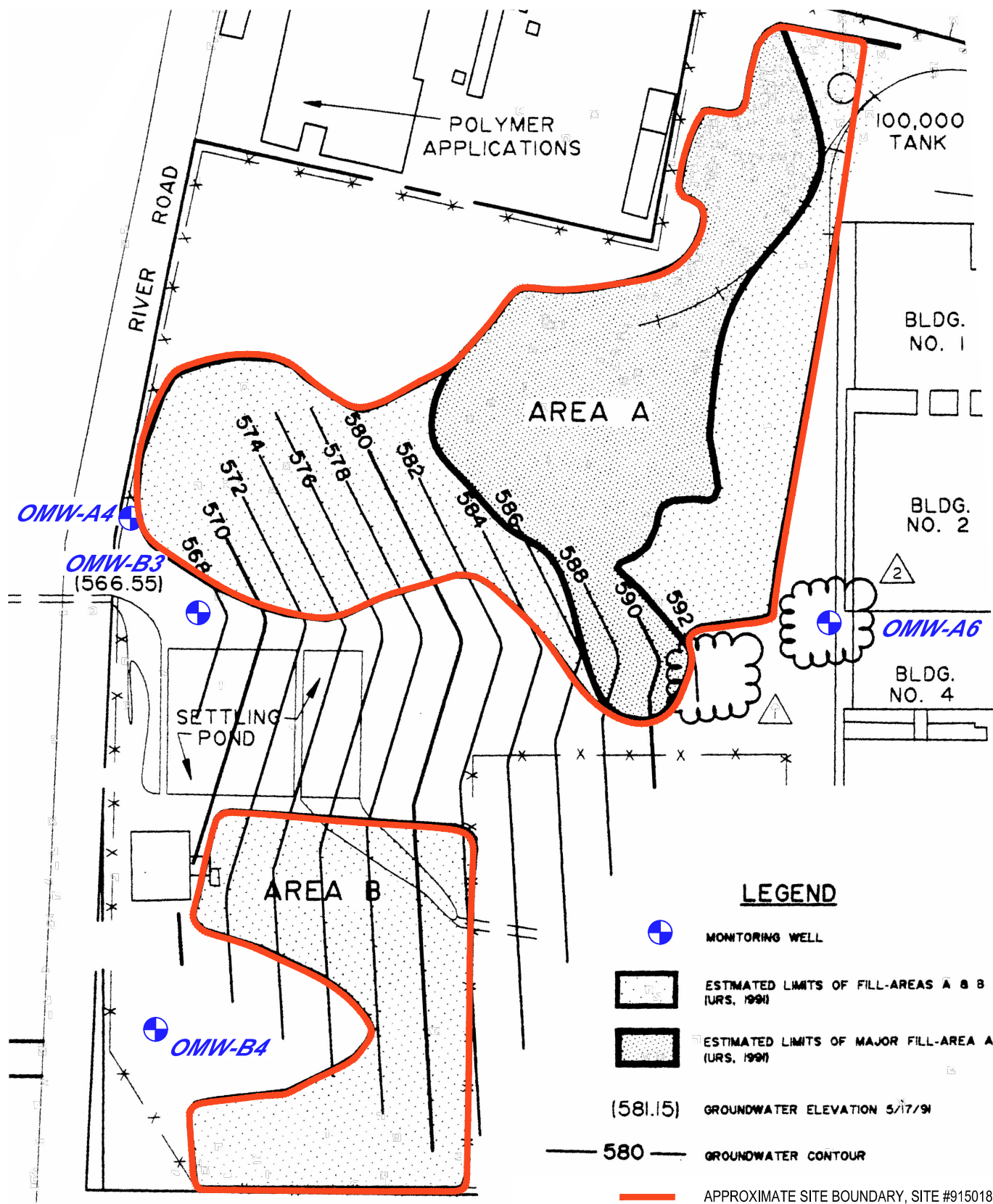
SOURCE: URS CONSULTANTS, INC., APRIL 1992, REPORT OF FIELD INVESTIGATION AND DATA ANALYSIS, INACTIVE DISPOSAL SITES NOS. 915018 A, B, C, SUBMITTED TO THE NYSDEC.



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

Project No. 11137137
Report No. 2020 PRR
Date JULY 2020

FIGURE 1



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.

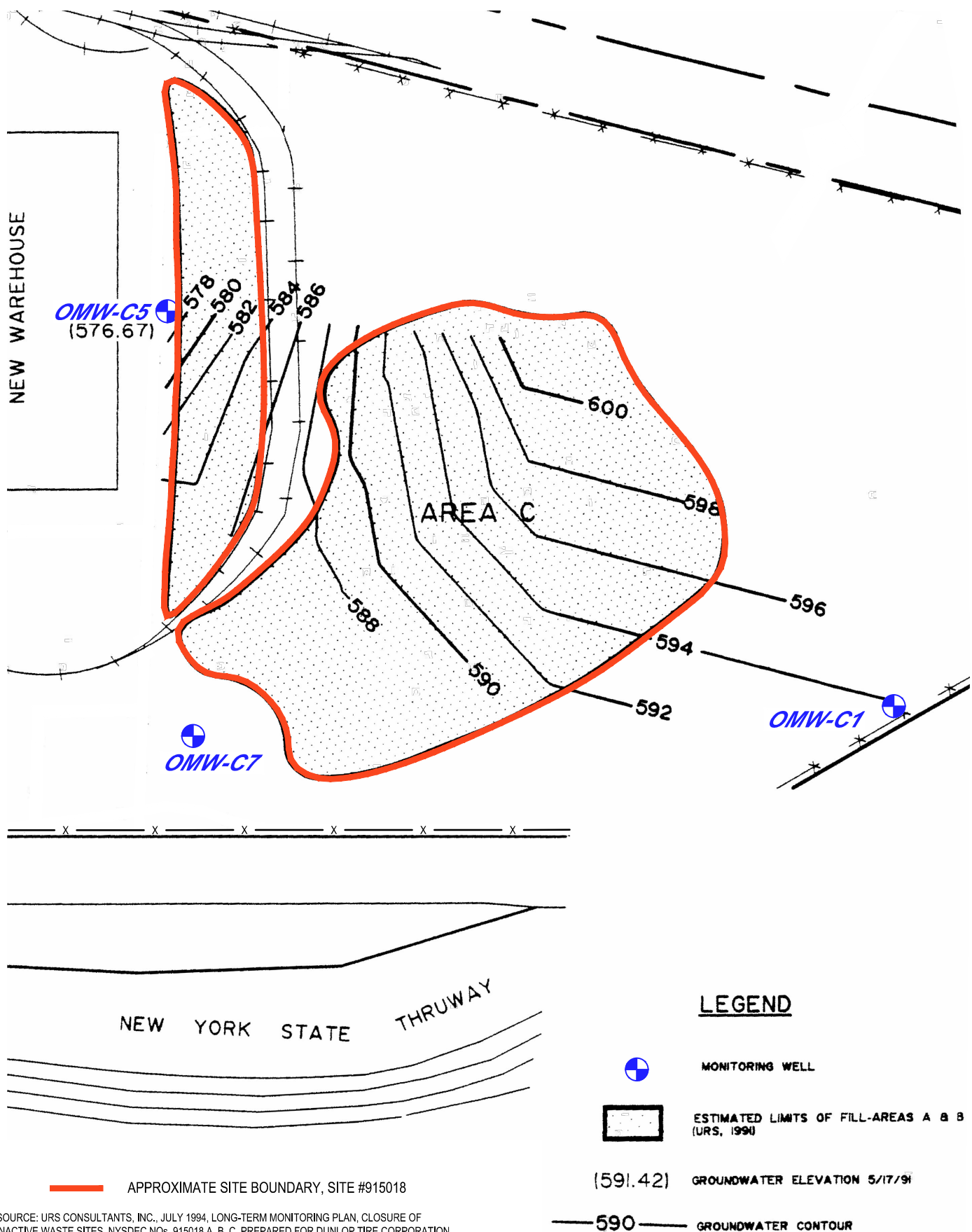


DUNLOP TIRE AND RUBBER SITE, SITE #915018
3333 RIVER RD TONAWANDA, NEW YORK
SITE MANAGEMENT PLAN

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

Project No. 11137137
Report No. 2020 PRR
Date JULY 2020

FIGURE 2



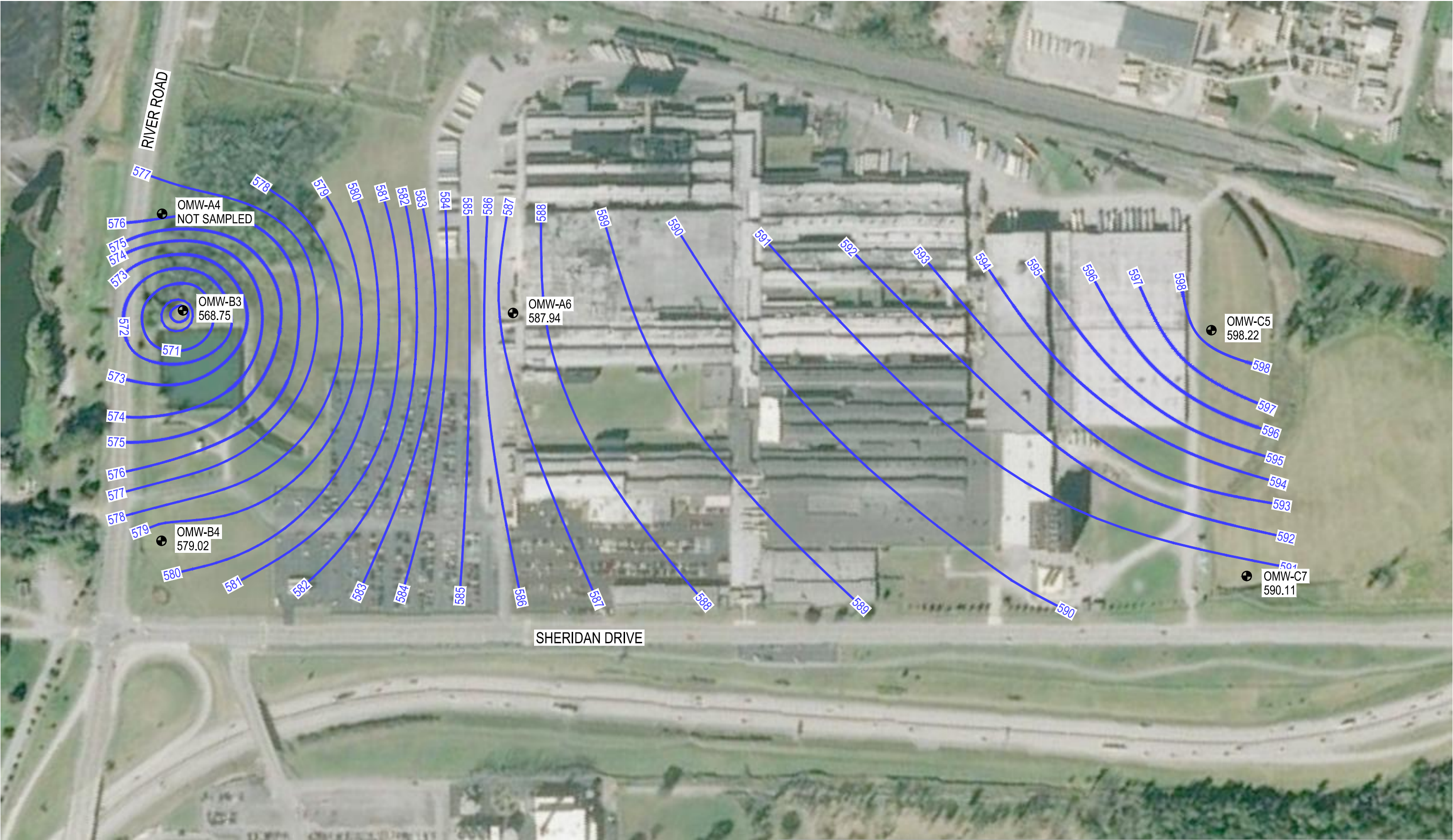
SOURCE: URS CONSULTANTS, INC., JULY 1994, LONG-TERM MONITORING PLAN, CLOSURE OF INACTIVE WASTE SITES, NYSDEC NOS. 915018 A, B, C, PREPARED FOR DUNLOP TIRE CORPORATION.



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. 11137137
 Report No. 2020 PRR
 Date JULY 2020

FIGURE 3



0250'

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

GROUNDWATER CONTOUR MAP
AUGUST 2020

Project No. 11137137
Report No. 2020 PRR
Date JULY 2020

FIGURE 4

Filename: N:\US\Buffalo\Legacy\Drawings-NIA\Drawings\10000000s\11137137 - Dunlop\2020 PRR\Figures\11137137 - Figure 4.dwg
Plot Date: 25 August 2020 - 8:27 AM

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							
NYSDEC							
Parameter	Type	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	50	50	50
Benzene	VOC	1	0.7	2	0.7	0.7	0.7
1,1-Dichloroethane	VOC	5	5	5	5	5	5
1,2-Dichloroethene (total)	VOC	5	5	5	5	5	5
1,1,1-Trichloroethane	VOC	5	5	5	5	5	5
Arsenic	MET	25	25	25	25	25	25
Cadmium	MET	5	10	28	16	16	10
Chromium	MET	50	50	178	66	66	50
Lead	MET	25	32	52	50	50	25
Total Phenols	SEMI	1	1	1	1	1	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

Well ID		B3		B4			C7		
Date		Action Levels	6/19/2020	Action Levels	6/18/2020	8/11/2020	Action Levels	6/18/2020	8/11/2020
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	4.76	25	0.31	-	25	0.44	-
Cadmium	µg/L	10	0.05	28	ND (0.2)	-	10	0.08	-
Chromium	µg/L	50	3.53	178	7.44	-	50	1.26	-
Lead	µg/L	32	0.62	52	ND (1.0)	-	25	ND (1.0)	-
Dissolved Metals									
Dissolved Arsenic	µg/L	-	2.39	-	-	-	-	-	-
Dissolved Cadmium	µg/L	-	ND (0.2)	-	-	-	-	-	-
Dissolved Chromium	µg/L	-	0.82	-	-	-	-	-	-
Dissolved Lead	µg/L	-	ND (1.0)	-	-	-	-	-	-
Inorganics & Miscellaneous									
Turbidity	NTU	-	68	-	11	74	-	27	36
Specific Conductance	umhos/cm	-	1100	-	3100	3200	-	4100	3900
Total Phenolics	µg/L	1	ND (30)	1	20 J	12 J	1	8 J	ND (30)

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
August 2020

	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 42°58'06.6290"	W 078°55'30.4211"	581.6	587.02	6.61	580.41
OMW-B3	1081634.987	1057041.503	N 42°58'05.1664"	W 078°55'27.3786"	577.0	579.85	11.1	568.75
OMW-B4	1081143.389	1057439.298	N 42°58'00.3265"	W 078°55'22.0014"	585.3	587.37	8.35	579.02
OMW-A6	1082260.545	1057691.331	N 42°58'11.3714"	W 078°55'18.6720"	593.84 (rim)	593.29	5.35	587.94
OMW-C5	1083560.949	1059089.490	N 42°58'24.2716"	W 078°54'59.9349"	602.5	603.87	5.65	598.22
OMW-C7	1083147.785	1059628.405	N 42°58'20.2115"	W 078°54'52.6637"	599.2	602.06	11.95	590.11

Notes:

Coordinate System based on NAD83 (2011) NY West

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

* Water level was not measured during sampling



ANALYTICAL REPORT

Lab Number:	L2025886
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:	07/02/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: L2025886
Report Date: 07/02/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2025886-01	WELL B3	WATER	BUFFALO, NY	06/19/20 12:30	06/19/20
L2025886-02	WELL B4	WATER	BUFFALO, NY	06/19/20 12:45	06/19/20
L2025886-03	WELL C7	WATER	BUFFALO, NY	06/19/20 12:15	06/19/20
L2025886-04	TRIP BLANK	WATER	BUFFALO, NY	06/19/20 00:00	06/19/20

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2025886
Report Date: 07/02/20

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
Project Number: Not Specified

Lab Number: L2025886
Report Date: 07/02/20

Case Narrative (continued)

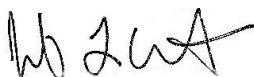
Report Submission

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:



Jennifer L Clements

Title: Technical Director/Representative

Date: 07/02/20

VOLATILES

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2025886
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2025886-01
 Client ID: WELL B3
 Sample Location: BUFFALO, NY

Date Collected: 06/19/20 12:30
 Date Received: 06/19/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/26/20 09:41
 Analyst: MKS

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	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2025886
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2025886-02
Client ID: WELL B4
Sample Location: BUFFALO, NY

Date Collected: 06/19/20 12:45
Date Received: 06/19/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/26/20 10:03
Analyst: MKS

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	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2025886
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2025886-03
 Client ID: WELL C7
 Sample Location: BUFFALO, NY

Date Collected: 06/19/20 12:15
 Date Received: 06/19/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/26/20 10:24
 Analyst: MKS

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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2025886
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2025886-04
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY

Date Collected: 06/19/20 00:00
Date Received: 06/19/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/26/20 10:46
Analyst: MKS

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	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

METALS

Project Name: WELL SAMPLING**Lab Number:** L2025886**Project Number:** Not Specified**Report Date:** 07/02/20**SAMPLE RESULTS**

Lab ID: L2025886-01

Date Collected: 06/19/20 12:30

Client ID: WELL B3

Date Received: 06/19/20

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00476		mg/l	0.00050	0.00016	1	06/25/20 12:15	06/26/20 11:44	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00005	J	mg/l	0.00020	0.00005	1	06/25/20 12:15	06/26/20 11:44	EPA 3005A	1,6020B	AM
Chromium, Total	0.00353		mg/l	0.00100	0.00017	1	06/25/20 12:15	06/26/20 11:44	EPA 3005A	1,6020B	AM
Lead, Total	0.00062	J	mg/l	0.00100	0.00034	1	06/25/20 12:15	06/26/20 11:44	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.00239		mg/l	0.00050	0.00016	1	06/30/20 19:38	07/01/20 13:53	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	06/30/20 19:38	07/01/20 13:53	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00082	J	mg/l	0.00100	0.00017	1	06/30/20 19:38	07/01/20 13:53	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	06/30/20 19:38	07/01/20 13:53	EPA 3005A	1,6020B	AM



Project Name: WELL SAMPLING**Lab Number:** L2025886**Project Number:** Not Specified**Report Date:** 07/02/20**SAMPLE RESULTS**

Lab ID: L2025886-02

Date Collected: 06/19/20 12:45

Client ID: WELL B4

Date Received: 06/19/20

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00031	J	mg/l	0.00050	0.00016	1	06/25/20 12:15	06/26/20 11:49	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/25/20 12:15	06/26/20 11:49	EPA 3005A	1,6020B	AM
Chromium, Total	0.00744		mg/l	0.00100	0.00017	1	06/25/20 12:15	06/26/20 11:49	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/25/20 12:15	06/26/20 11:49	EPA 3005A	1,6020B	AM



Project Name: WELL SAMPLING**Lab Number:** L2025886**Project Number:** Not Specified**Report Date:** 07/02/20**SAMPLE RESULTS**

Lab ID: L2025886-03

Date Collected: 06/19/20 12:15

Client ID: WELL C7

Date Received: 06/19/20

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00044	J	mg/l	0.00050	0.00016	1	06/25/20 12:15	06/26/20 11:54	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00008	J	mg/l	0.00020	0.00005	1	06/25/20 12:15	06/26/20 11:54	EPA 3005A	1,6020B	AM
Chromium, Total	0.00126		mg/l	0.00100	0.00017	1	06/25/20 12:15	06/26/20 11:54	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/25/20 12:15	06/26/20 11:54	EPA 3005A	1,6020B	AM



INORGANICS & MISCELLANEOUS

Project Name: WELL SAMPLING

Project Number: Not Specified

Lab Number: L2025886

Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2025886-01

Client ID: WELL B3

Sample Location: BUFFALO, NY

Date Collected: 06/19/20 12:30

Date Received: 06/19/20

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	68		NTU	0.40	0.12	2	-	06/20/20 09:24	121,2130B	JA
Specific Conductance @ 25 C	1100		umhos/cm	10	10.	1	-	06/20/20 11:04	1,9050A	JA
Phenolics, Total	ND		mg/l	0.030	0.006	1	06/23/20 10:58	06/24/20 09:51	4,420.1	MV



Project Name: WELL SAMPLING

Project Number: Not Specified

Lab Number: L2025886

Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2025886-02

Client ID: WELL B4

Sample Location: BUFFALO, NY

Date Collected: 06/19/20 12:45

Date Received: 06/19/20

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	11		NTU	0.20	0.06	1	-	06/20/20 09:24	121,2130B	JA
Specific Conductance @ 25 C	3100		umhos/cm	10	10.	1	-	06/20/20 11:04	1,9050A	JA
Phenolics, Total	0.020	J	mg/l	0.030	0.006	1	06/23/20 10:58	06/24/20 09:52	4,420.1	MV



Project Name: WELL SAMPLING

Project Number: Not Specified

Lab Number: L2025886

Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2025886-03

Client ID: WELL C7

Sample Location: BUFFALO, NY

Date Collected: 06/19/20 12:15

Date Received: 06/19/20

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	8.7		NTU	0.20	0.06	1	-	06/20/20 09:24	121,2130B	JA
Specific Conductance @ 25 C	3200		umhos/cm	10	10.	1	-	06/20/20 11:04	1,9050A	JA
Phenolics, Total	0.008	J	mg/l	0.030	0.006	1	06/23/20 10:58	06/24/20 11:11	4,420.1	MV



Project Name: WELL SAMPLING**Lab Number:** L2025886**Project Number:** Not Specified**Report Date:** 07/02/20**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(*)
L2025886-01A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-01B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-01C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-01D	Plastic 250ml unpreserved	A	<2	<2	2.8	Y	Absent		-
L2025886-01E	Plastic 250ml unpreserved	A	7	7	2.8	Y	Absent		TURB-2130(2),COND-9050(28)
L2025886-01F	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180),CD-6020T(180)
L2025886-01G	Amber 1000ml H2SO4 preserved	A	<2	<2	2.8	Y	Absent		NY-TPHENOL-420(28)
L2025886-01X	Plastic 500ml HNO3 preserved Filtrates	A	NA	NA	2.8	Y	Absent		CR-6020S(180),PB-6020S(180),AS-6020S(180),CD-6020S(180)
L2025886-02A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-02B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-02C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-02D	Plastic 250ml unpreserved	A	<2	<2	2.8	Y	Absent		-
L2025886-02E	Plastic 250ml unpreserved	A	7	7	2.8	Y	Absent		TURB-2130(2),COND-9050(28)
L2025886-02F	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180),CD-6020T(180)
L2025886-02G	Amber 1000ml H2SO4 preserved	A	<2	<2	2.8	Y	Absent		NY-TPHENOL-420(28)
L2025886-02X	Plastic 500ml HNO3 preserved Filtrates	A	NA	NA	2.8	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2025886-03A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-03B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-03C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-03D	Plastic 250ml unpreserved	A	<2	<2	2.8	Y	Absent		-
L2025886-03E	Plastic 250ml unpreserved	A	7	7	2.8	Y	Absent		TURB-2130(2),COND-9050(28)
L2025886-03F	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180),CD-6020T(180)

Project Name: WELL SAMPLING**Lab Number:** L2025886**Project Number:** Not Specified**Report Date:** 07/02/20**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2025886-03G	Amber 1000ml H2SO4 preserved	A	<2	<2	2.8	Y	Absent		NY-TPHENOL-420(28)
L2025886-03X	Plastic 500ml HNO3 preserved Filtrates	A	NA	NA	2.8	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2025886-04A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2025886-04B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)

Project Name: WELL SAMPLING**Lab Number:** L2025886**Project Number:** Not Specified**Report Date:** 07/02/20

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.
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.

Footnotes

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

Project Name: WELL SAMPLING**Lab Number:** L2025886**Project Number:** Not Specified**Report Date:** 07/02/20

- 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. 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.
- 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.
- 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

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



Project Name: WELL SAMPLING**Lab Number:** L2025886**Project Number:** Not Specified**Report Date:** 07/02/20**Data Qualifiers**

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**Lab Number:** L2025886**Project Number:** Not Specified**Report Date:** 07/02/20

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

Page 1 of 1

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 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; 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.

EPA TO-12 Non-methane organics**EPA 3C** Fixed gases**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, SM4500CI-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.****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.****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 Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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		Date Rec'd in Lab 6/20/20		ALPHA Job # L2025856																			
				of 1																							
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-		Project Information Project Name: Well Sampling Project Location: Buffalo, NY Project # _____ (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other _____		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # 4600032598																					
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.		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other _____ <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: _____																							
These samples have been previously analyzed by Alpha <input type="checkbox"/>		ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input checked="" type="checkbox"/> Lab to do Preservation <input checked="" type="checkbox"/> Lab to do (Please Specify below)																							
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date 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			
25856 -01		Well B3		06/19/20 1230		GW		P4		X		X		X		X		X		X		X				7	
-02		Well B4		1245		GW		P4		X		X		X		X		X		X		X				7	
-03		Well C7		1215		GW		P4		X		X		X		X		X		X		X				7	
-04		Trip Blank				DI Water				X																2	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		V A P P P P H D C A A A		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.																	
Relinquished By: <i>[Signature]</i>		Date/Time: <i>06/19/20 12:50</i>		Received By: <i>[Signature]</i>		Date/Time: <i>6/20/20 00:50</i>																					



275 Cooper Ave
Tonawanda, NY 14150
716-427-5225
alphalab.com

Groundwater Monitoring Information Sheet

Site Name: **Goodyear Dunlop Tire**

Purge
Sampling Date: 6/18/20

Serial_No:07022012:30

Monitoring Well ID: C7

Sampling Date: 6/19/20

Well Structure Data

Evacuation Date: 6/18/20

Water Elevation: N/A

Top of Inner Casing Elevation: N/A

Bottom of Well: 23.30'

Monitoring Well Diameter: 2.5"

Volume of Standing Water: 17.3 x 0.163 = 2.81 gallons

Water Level: 6.0'

Volume of Evacuated Water: 890 liters

Appearance/Observation: No obvious issues

Well Field Parameter Data

pH - Standard Units: 7.30

Specific Conductance: LAB

Temperature - deg C/deg F 12.6

Turbidity: LAB

% Recharge: 40.46%

Misc. Well Information

Was Well Locked? YES

Physical Condition of Well: GOOD

Was Well ID Easily Visible? NO

Solids Content: minimal

Weather on Sampling Day Clear

Purging Method: Boiler

Technician

Patrick J. Hegarty

Date

06/19/20

Groundwater Monitoring Information Sheet

Site Name: **Goodyear Dunlop Tire**

Purge
Sampling Date: 6/18/20

Serial_No:07022012:30

Monitoring Well ID: B3

Sampling Date: 6/19/20

Well Structure Data

Evacuation Date: 6/18/20

Water Elevation: N/A

Top of Inner Casing Elevation: N/A

Bottom of Well: 17.15'

Monitoring Well Diameter: 2.5"

Volume of Standing Water: 9.45' x 0.163 = 1.54 gallons

Water Level: 7.1

Volume of Evacuated Water: 4.5 gallons

Appearance/Observation: ALIGHT STAIN

Well Field Parameter Data

pH - Standard Units: 6.70

Specific Conductance: LAB

Temperature - deg C/deg F 15.2

Turbidity: LAB

% Recharge: 98.9%

Misc. Well Information

Was Well Locked? YES

Physical Condition of Well: MOSTLY GOOD

Was Well ID Easily Visible? No

Solids Content: minimal

Weather on Sampling Day Clear

Purging Method: Bailer

Patricia Dugerty
Technician

06/19/20
Date



275 Cooper Ave
Tonawanda, NY 14150
716-427-5225
alphalab.com

Groundwater Monitoring Information Sheet

Site Name: Goodyear Dunlop Tire

Sampling Date: 6/18/20

Serial_No: 07022012:30

Monitoring Well ID: B-4

Sampling Date: 6/19/20

Well Structure Data

Evacuation Date: 6/18/20

Water Elevation: N/A

Top of Inner Casing Elevation: N/A

Bottom of Well: 22.50'

Monitoring Well Diameter: 2.5"

Volume of Standing Water: 17.5' x 0.163 2.85 gal/ft.

Water Level: 5.0'

Volume of Evacuated Water: 8 gal/ft.

Appearance/Observation: No obvious issues - clear water

Well Field Parameter Data

pH - Standard Units: 7.36

Specific Conductance: LAB

Temperature - deg C/deg F: 14.1°C

Turbidity: LAB

% Recharge: 25.3%

Misc. Well Information

Was Well Locked? yes

Physical Condition of Well: Good

Was Well ID Easily Visible? no

Solids Content: NA

Weather on Sampling Day: Clear

Purging Method: Bailer

Technician

Date



ANALYTICAL REPORT

Lab Number:	L2032453
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:	08/18/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: L2032453
Report Date: 08/18/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2032453-01	WELL B4	WATER	BUFFALO, NY	08/11/20 12:55	08/11/20
L2032453-02	WELL C7	WATER	BUFFALO, NY	08/11/20 12:30	08/11/20

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L2032453
Report Date: 08/18/20

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
Project Number: Not Specified

Lab Number: L2032453
Report Date: 08/18/20

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:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 08/18/20

INORGANICS & MISCELLANEOUS

Project Name: WELL SAMPLING

Project Number: Not Specified

Lab Number: L2032453

Report Date: 08/18/20

SAMPLE RESULTS

Lab ID: L2032453-01

Client ID: WELL B4

Sample Location: BUFFALO, NY

Date Collected: 08/11/20 12:55

Date Received: 08/11/20

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	74		NTU	1.0	0.30	5	-	08/12/20 11:29	121,2130B	JA
Specific Conductance @ 25 C	3200		umhos/cm	10	10.	1	-	08/12/20 09:14	1,9050A	JA
Phenolics, Total	0.012	J	mg/l	0.030	0.006	1	08/12/20 10:00	08/13/20 08:00	4,420.1	MV



Project Name: WELL SAMPLING

Project Number: Not Specified

Lab Number: L2032453

Report Date: 08/18/20

SAMPLE RESULTS

Lab ID: L2032453-02

Client ID: WELL C7

Sample Location: BUFFALO, NY

Date Collected: 08/11/20 12:30

Date Received: 08/11/20

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	36		NTU	0.20	0.06	1	-	08/12/20 11:29	121,2130B	JA
Specific Conductance @ 25 C	3900		umhos/cm	10	10.	1	-	08/12/20 09:14	1,9050A	JA
Phenolics, Total	ND		mg/l	0.030	0.006	1	08/12/20 10:00	08/13/20 08:01	4,420.1	MV



Project Name: WELL SAMPLING**Lab Number:** L2032453**Project Number:** Not Specified**Report Date:** 08/18/20**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(*)
L2032453-01A	Plastic 250ml unpreserved	A	7	7	2.3	Y	Absent		TURB-2130(2),COND-9050(28)
L2032453-01B	Amber 1000ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		NY-TPHENOL-420(28)
L2032453-02A	Plastic 250ml unpreserved	A	7	7	2.3	Y	Absent		TURB-2130(2),COND-9050(28)
L2032453-02B	Amber 1000ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		NY-TPHENOL-420(28)

Project Name: WELL SAMPLING**Lab Number:** L2032453**Project Number:** Not Specified**Report Date:** 08/18/20

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.
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.

Footnotes

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

Project Name: WELL SAMPLING**Lab Number:** L2032453**Project Number:** Not Specified**Report Date:** 08/18/20

- 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, Dibenzo(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. 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. (DoD and NYSDEC Part 375 PFAS only.)
- 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.
- 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.

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



Project Name: WELL SAMPLING**Lab Number:** L2032453**Project Number:** Not Specified**Report Date:** 08/18/20**Data Qualifiers**

- 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
Project Number: Not Specified

Lab Number: L2032453
Report Date: 08/18/20

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

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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 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; 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.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**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, SM4500CI-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.****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.****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 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 08/12/20		ALPHA Job # L2032453																																																																																					
		Project Information Project Name: Well Sampling Project Location: Buffalo, NY Project # _____ (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # 4600032598																																																																																							
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 Manager: Pam Cook ALPHAQuote #: _____ Turn-Around Time Standard <input checked="" type="checkbox"/> Rush (only if pre approved) <input type="checkbox"/>		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																							
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: _____ Please specify Metals or TAL. _____		ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input checked="" type="checkbox"/> Lab to do Preservation <input checked="" type="checkbox"/> Lab to do (Please Specify below)		Total Phenols Specific Conductance Turbidity Field - pH Field - Water Levels		Sample Specific Comments																																																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">Total Phenols</th> <th rowspan="2">Specific Conductance</th> <th rowspan="2">Turbidity</th> <th rowspan="2">Field - pH</th> <th rowspan="2">Field - Water Levels</th> <th rowspan="2">Sample Specific Comments</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>32453-01</td> <td>Well B4</td> <td>8/11/20</td> <td>0555</td> <td>GW</td> <td>JA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-02</td> <td>Well C7</td> <td>8/11/20</td> <td>1250</td> <td>GW</td> <td>JA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td></td> <td>Well A4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td></td> <td>Well B3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td></td> <td>Well A6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td></td> <td>Well C5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Total Phenols	Specific Conductance	Turbidity	Field - pH	Field - Water Levels	Sample Specific Comments	Date	Time	32453-01	Well B4	8/11/20	0555	GW	JA	X	X	X	X	X		-02	Well C7	8/11/20	1250	GW	JA	X	X	X	X	X			Well A4									X			Well B3									X			Well A6									X			Well C5									X		Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 D = BOD Bottle Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		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.	
ALPHA Lab ID (Lab Use Only)	Sample ID			Collection										Sample Matrix	Sampler's Initials	Total Phenols	Specific Conductance	Turbidity	Field - pH	Field - Water Levels	Sample Specific Comments																																																																								
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Groundwater Monitoring Information Sheet

Site Name: **Goodyear Dunlop Tire**

Sampling Date: 08/10/20

Serial_No: 08182021:39

Monitoring Well ID: C-7

Sampling Date: 08/11/20

Well Structure Data

Evacuation Date: 08/10/20

Water Elevation: n/a

Top of Inner Casing Elevation: n/a

Bottom of Well: 23.50

Monitoring Well Diameter: 2.5 in.

Volume of Standing Water: 1.88

Water Level: 11.95

Volume of Evacuated Water: 5+

Appearance/Observation: clear at beginning. slight cloudiness at end.

Well Field Parameter Data

pH - Standard Units: 7.35

Specific Conductance: Lab Value

Temperature - deg C/deg F: 14.4°C

Turbidity: ↓

% Recharge: 88%

Misc. Well Information

Was Well Locked? yes

Physical Condition of Well: Good

Was Well ID Easily Visible? no

Solids Content: minimal, if any

Weather on Sampling Day: partly cloudy

Purging Method: manual bailer

Josh Feh
Technician

08/11/20
Date



275 Cooper Ave
Tonawanda, NY 14150
716-427-5225
alphalab.com

Groundwater Monitoring Information Sheet

Site Name: **Goodyear Dunlop Tire**

Sampling Date: 08/10/20

Serial_No: 08182021:39

Monitoring Well ID: B-4

Sampling Date: 08/11/20

Well Structure Data

Evacuation Date: 08/10/20

Water Elevation: N/A

Top of Inner Casing Elevation: N/A

Bottom of Well: 22.75

Monitoring Well Diameter: 2.5 in.

Volume of Standing Water: 2.34

Water Level: 8.35

Volume of Evacuated Water: 6

Appearance/Observation: clear throughout

Well Field Parameter Data

pH - Standard Units: 7.37

Specific Conductance: Lab Value

Temperature - deg C/deg F: 14.0°C

Turbidity: ↓

% Recharge: 41%

Misc. Well Information

Was Well Locked? Yes

Physical Condition of Well: good

Was Well ID Easily Visible? No

Solids Content: minimal, if any

Weather on Sampling Day: partly cloudy

Purging Method: manual bailer

Josh Ash
Technician

08/11/20
Date



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Tonawanda, NY 14150
716-427-5225
alphalab.com

Groundwater Monitoring Information Sheet

Site Name: **Goodyear Dunlop Tire**

Sampling Date:

8/10/20

Serial_No:08182021:39

Monitoring Well ID:

C-7

Sampling Date:

Well Structure Data

Evacuation Date:

Water Elevation:

Top of Inner Casing Elevation:

Bottom of Well:

Monitoring Well Diameter:

Volume of Standing Water:

Water Level:

11.95

Volume of Evacuated Water:

Appearance/Observation:

Well Field Parameter Data

pH - Standard Units:

Specific Conductance:

Temperature - deg C/deg F

Turbidity:

% Recharge:

Misc. Well Information

Was Well Locked?

Physical Condition of Well:

Was Well ID Easily Visible?

Solids Content:

Weather on Sampling Day

Purging Method:

John [Signature]
Technician

8/10/20
Date



275 Cooper Ave
Tonawanda, NY 14150
716-427-5225
alphalab.com

Groundwater Monitoring Information Sheet

Site Name: Goodyear Dunlop Tire

Sampling Date:

8/11/20

Serial_No:08182021:39

Monitoring Well ID:

C-5

Sampling Date:

Well Structure Data

Evacuation Date:

Water Elevation:

Top of Inner Casing Elevation:

Bottom of Well:

Monitoring Well Diameter:

Volume of Standing Water:

Water Level: 5.65

Volume of Evacuated Water:

Appearance/Observation:

Well Field Parameter Data

pH - Standard Units:

Specific Conductance:

Temperature - deg C/deg F

Turbidity:

% Recharge:

Misc. Well Information

Was Well Locked?

Physical Condition of Well:

Was Well ID Easily Visible?

Solids Content:

Weather on Sampling Day

Purging Method:

J. Ash
Technician

8/11/20
Date



275 Cooper Ave
Tonawanda, NY 14150
716-427-5225
alphalab.com

Groundwater Monitoring Information Sheet

Site Name: Goodyear Dunlop Tire

Sampling Date:

8/10/20

Serial_No:08182021:39

Monitoring Well ID:

B-4

Sampling Date: _____

Well Structure Data

Evacuation Date: _____

Water Elevation: _____

Top of Inner Casing Elevation: _____

Bottom of Well: _____

Monitoring Well Diameter: _____

Volume of Standing Water: _____

Water Level: 4.35

Volume of Evacuated Water: _____

Appearance/Observation: _____

Well Field Parameter Data

pH - Standard Units: _____

Specific Conductance: _____

Temperature - deg C/deg F _____

Turbidity: _____

% Recharge: _____

Misc. Well Information

Was Well Locked? _____


Physical Condition of Well: _____

Was Well ID Easily Visible? _____

Solids Content: _____

Weather on Sampling Day _____

Purging Method: _____


Technician

8/10/20
Date



275 Cooper Ave
Tonawanda, NY 14150
716-427-5225
alphalab.com

Groundwater Monitoring Information Sheet

Site Name: Goodyear Dunlop Tire

Sampling Date:

8/10/20

Serial_No:08182021:39

Monitoring Well ID:

B.3

Sampling Date:

Well Structure Data

Evacuation Date:

Water Elevation:

Top of Inner Casing Elevation:

Bottom of Well:

Monitoring Well Diameter:

Volume of Standing Water:

Water Level: 11.10

Volume of Evacuated Water:

Appearance/Observation:

Well Field Parameter Data

pH - Standard Units:

Specific Conductance:

Temperature - deg C/deg F

Turbidity:

% Recharge:

Misc. Well Information

Was Well Locked?

Physical Condition of Well:

Was Well ID Easily Visible?

Solids Content:

Weather on Sampling Day

Purging Method:


Technician

8/10/20
Date



275 Cooper Ave
Tonawanda, NY 14150
716-427-5225
alphalab.com

Groundwater Monitoring Information Sheet

Site Name: Goodyear Dunlop Tire

Sampling Date: 8/11/20

Serial_No:08182021:39

Monitoring Well ID: A-6

Sampling Date: _____

Well Structure Data

Evacuation Date: _____

Water Elevation: _____

Top of Inner Casing Elevation: _____

Bottom of Well: _____

Monitoring Well Diameter: _____

Volume of Standing Water: _____

Water Level: 2.35

Volume of Evacuated Water: _____

Appearance/Observation: _____

Well Field Parameter Data

pH - Standard Units: _____

Specific Conductance: _____

Temperature - deg C/deg F _____

Turbidity: _____

% Recharge: _____

Misc. Well Information

Was Well Locked? _____

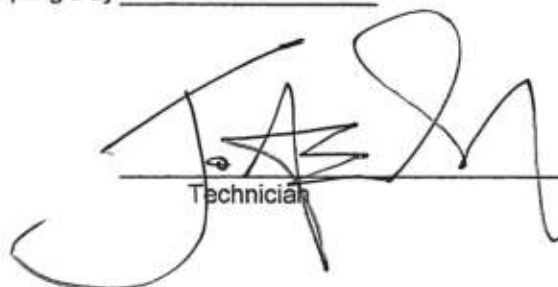
Physical Condition of Well: _____

Was Well ID Easily Visible? _____

Solids Content: _____

Weather on Sampling Day _____

Purging Method: _____


Technician

8/11/20
Date