SUMITOMO RUBBER USA, LLC

DUNLOP FALKEN

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

July 23, 2018

Well Testing Results, Period Review Report and Institutional Controls Certification of Inactive Waste Site No. 915018

Dear Mr. Sadowski,

Please find the attached analytical results for Sumitomo's annual well testing sampled on June 19, 2018. The wells requiring sampling this year (year 24) are downgradient wells B3, B4, and C7. Upgradient wells A6 and C1 and downgradient wells A4 and C5 do not require sampling at this time per the Long-Term Monitoring Plan.

The following was reported above action levels:

Well Identification	Parameter	Result (ppb)	Action Level (ppb)
OMW-B3	Arsenic	29.1	25

As agreed to by NYSDEC, no further action is required. In an email from you dated July 2, 2018, you indicted that no corrective actions were required at this time.

Included with this submittal are the following attachments:

- Periodic Review Report (PRR)
- Institutional Engineering Controls Certification Form (IC/EC)
- Tables:
  - Table 1: Sampling Schedule
  - Table 2: Groundwater Action Levels for Downgradient Wells
  - Table 3: Summary of Groundwater Analytical Results
  - Table 4: Groundwater Elevation
- Figures:
  - Figure 1: Site Plan
  - Figure 2: Disposal Sites A and B
  - Figure 3: Disposal Site C
  - Figure 4: Contour Map with Groundwater Flow Direction
- Appendices:
  - Appendix A: Alpha Analytical Report
  - Appendix B: Landfill Condition – Semi-Annual Inspection Report (October 19, 2017 and May 24, 2018)
  - Appendix C: Well Condition Inspection

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

SUMITOMO RUBBER USA, LLC

DUNLOP FALKEN

I will transmit this report electronically (.pdf) and also mail a hard copy via certified mail. Please contact me if you have any questions or if you need any additional information.

Thank you,

M. Craft

Mark R. Craft
Environmental Coordinator
(716) 879-8497

Cc: Mr. Glenn May (NYSDEC)
Mr. Timothy Noe (Sumitomo)
Mr. Joseph Hinkle (Sumitomo)

July 5, 2018

SUMITOMO RUBBER USA, LLC
TONAWANDA, NEW YORK
LANDCAP MANAGEMENT
SITE MANAGEMENT PERIODIC REVIEW REPORT (PRR)

I. Executive Summary

a. Summary of Site

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. The Site boundaries coincide with the estimated limits of fill as depicted by URS Consultants, Inc. in their April 1992 report[1], and as shown in the March 1993 Record of Decision (ROD)[2]. The Site is currently in the New York State (NYS) State Superfund Program (Site No. 915018), which is administered by the New York State Department of Environmental Conservation (NYSDEC). The Site is listed as a Class 4 site, indicating that it has been properly closed but requires continued Site management consisting of operation, maintenance, and/or monitoring.

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. Contamination identified at concentrations above the NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for unrestricted site use and the NYSDEC Class GA Groundwater Ambient Water Quality Standards and Guidance Values both before and after the Consent Order included relatively low levels of the following, grouped by media:

- Soil/fill: Phenols
- Sediment: Polycyclic aromatic hydrocarbons (PAHs), metals, and pesticides
- Surface Water: Phenols and metals
- Groundwater: Volatile organic compounds (VOCs), phenols, and metals

[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.

Benzo(a)pyrene, a PAH, and arsenic, a metal were the only contaminants identified at the Site at concentrations above the SCOs for industrial site use. These exceedances occurred in sediment samples collected in 1991.

Dunlop was ordered to close the Site by installing a cover (cap) and drainage system over the three historical disposal areas, to develop and implement a plan for operation and maintenance (O&M) of the cap, and to develop and implement a groundwater monitoring program.

As the NYSDEC did not require removal of contaminated media from the Site or a reduction in contaminant mass, areas of impacted groundwater, sediment, and soil/fill remain at the Site, which is hereafter referred to as "remaining contamination". The types and locations of remaining contamination have not been explicitly defined. The remaining contamination is considered to consist of phenols in soil/fill; PAHs, metals, and pesticides in sediment; and VOCs, phenols, and metals in groundwater. With the installation of the cap, contaminated surface water resulting from the contaminants present in soil and sediment beneath the cap is no longer expected to be present within the Site boundaries, and, therefore, is not included as remaining contamination. Any remaining contamination is presumed to be located throughout the Site, up to the Site boundaries.

Institutional Controls (ICs) and Engineering Controls (ECs) are required by the ROD to control exposure to remaining contamination to ensure protection of public health and the environment. The Consent Order requires compliance with all ECs and ICs placed on the Site.

b. Effectiveness of Remedial Program

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 will be performed on a semi-annual basis. The semi-annual cap inspections will be conducted and documented according to the Site Management Plan (SMP) schedule, regardless of the frequency of the Periodic Review Report (PRR).

Each cap inspection will include a walkover and visual assessment of the cap. The inspection will not include any areas where work is being performed. Based on the requirements outlined in the March 1993 Operation and Maintenance Plan[3], the cap inspection will evaluate the following items to ascertain the need for corrective action:

[3] URS Consultants, Inc., March 1993, Operation and Maintenance Plan for the Closure of Inactive Waste Site Nos. 915018 A, B, and C, prepared for Dunlop Tire Corporation

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

The semi-annual cap inspections were completed on October 19, 2017 and May 24, 2018. Both inspections showed that the caps on all three disposals areas are in good condition. The May 2018 inspection noted minor damage to the cap at the base of disposal area B from snow removal activities during the winter. The Landscaper has repaired this damage. Both inspections noted minor garbage in the Sheridan Drive drainage ditch, along the base of disposal area C. This garbage is removed every fall and spring; however, a snow fence will be installed in the summer of 2018 to prevent garbage before it goes into the ditch.

Groundwater Monitoring

Groundwater monitoring will be performed annually to monitor the long-term effectiveness of the Site closure and provide for early detection should failure occur, as outlined in the July 1994 Long-Term Monitoring Plan[4]. Trends in contaminant concentrations in groundwater will be 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 will be monitored to evaluate the effectiveness of the closure action, and wells upgradient of the capped areas will be monitored to assess 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.

Groundwater monitoring will be performed utilizing the following seven wells (Figures 2 and 3):

- Upgradient wells: OMW-A6 and OMW-C1
- Downgradient wells: OMW-B3, OMW-B4, OMW-A4, OMW-C5, and OMW-C7

[4] URS Consultants, Inc., July 1994, Long-Term Monitoring Plan, Closure of Inactive Waste Site NSYDEC Nos. 915018 A, B, and C, prepared for Dunlop Tire Corporation

Contaminants to be analyzed for during each sampling event are defined as Analytical Schedule A analytes and Analytical Schedule B analytes (Table 1). Analytical Schedule A analytes include TCL VOCs, TCL SVOCs, TAL Metals, cyanide, pH, specific conductance, and temperature.

These analytes will be sampled during Year 1 in order to provide a comprehensive sample population for selection of Site-specific parameters, which are termed Analytical Schedule B analytes. Analytical Schedule B analytes include five VOCs (2-butanone, benzene, 1,1-dichloroethene, 1,2-dichloroethene, and 1,1,1-trichloroethene), one SVOC (total phenols), four metals (arsenic, cadmium, chromium, and lead), pH, specific conductance, and temperature. If turbidity in a groundwater sample is above 50 nephelometric turbidity unit (NTU), as measured in the field, then both filtered and unfiltered samples will be 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 24) are downgradient wells OMW-B3, OMW-B4, and OMW-C7. Upgradient wells OMW-A6 and OMW-C1 and downgradient wells OMW-A4 and OMW-C5 do not require sampling at this time.

All parameters in all wells were below the action levels (Table 2), except for OWM-B3 for total arsenic. The result was 29.1 ppb versus 25 ppb action level. The turbidity of this sample was 180 NTU so a dissolved metals analysis was performed. Dissolved arsenic was below its analytical detection limit, so no corrective actions are required at this time.

A summary of the samples results is shown on Table 3.

Visual Inspections of Monitoring Wells

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

The visual inspection of the monitoring wells is shown in Appendix C. The inspection shows that all monitoring wells are in good shape. The protective covers, water-tight locking caps, and cement pads (OMW-B4, OMW-B3, OMW-A4, OMW-C5, OMW-C1, and OMW-C7) or flush mount (OMW-A6 only) are all in good condition. The locks on all 7 wells are rusted. Well A4 lock was rusted shut and required to be cut off and replace immediately. All locks will be repaired or replaced.

Hydraulic Monitoring

The monitoring wells will be hydraulically monitored to assess groundwater flow conditions. Water level measurements will be collected from all seven wells during the annual monitoring event, regardless of which wells are to be sampled. A groundwater contour map will be updated annually with these results. Table 4

summarizes the water level measurement, the well construction details, and the reference elevations (top of riser). Figure 4 shows the updated contour map with groundwater flow direction.

c. Compliance

Sumitomo is currently in compliance with the Long-Term Monitoring Plan year 24 of the 30-year plan requirements. No non-compliances were noted during this reporting year.

d. Recommendations

Recommendations from this annual inspection are:

- Repair base of disposal area B cap.
- Remove garbage from ditch of base of disposal area C. Install snow fence to keep the garbage out of the ditch.

Sumitomo is currently creating a Site Management Plan (SMP) as required by the NYSDEC. This plan includes the Long-Term Monitoring Plan that has driven the management of the three disposal areas since they were capped in the early 1990s. Once completed, Sumitomo will submit to the NYSDEC for approval. Going forward from the time of approval, all components will be in accordance with that SMP.

II. Site Overview

The Facility, now owned and operated by Sumitomo, is located in the Town of Tonawanda, Erie County, New York. The Facility consists of two parcels of land identified on the Town of Tonawanda Tax Map as Section 65.17, Block 2, Lot 1.111, addressed as 3333 River Road; and Section 65.17-2-1.12, addressed as 3337 River Road (Figure 1). The facility is approximately 128 acres in size and is bounded by railroad tracks and industrial properties to the northwest; vacant land to the northeast; Sheridan Drive, Interstate 1-190, and industrial properties to the southeast; and River Road, an industrial property, and the Niagara River to the southwest.

The Site consists of three historical waste disposal areas located on 3333 River Road parcel, which together consist of approximately 25 acres. These three historical waste disposal areas are individually referred to as Disposal Sites A, B, and C. The boundaries of the Site coincide with the estimated limits of fill as depicted by URS in their April 1992 report, and as shown in the March 1993 ROD. The following is a brief description of the three disposal areas that comprise of the Site.

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.

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 count 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.

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.

a. Institutional Controls

A series of ICs is 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.

b. Engineering Controls

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

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

- The three landfills will be capped with 18 inches of clay compacted to a minimum permeability (hydraulic conductivity) of $1x10^{-7}$ cm/sec. The caps will be 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 will be inspected at defined, regular intervals.

No changes to these selected remedies have current during this reporting period.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

Post closure maintenance and groundwater monitoring of Areas A, B and C ensure that the closures continue to operate effectively.

- See Table 3 for a summary of the groundwater monitoring results
- See Appendix B and C for visual inspections of the land cap and the monitoring well conditions

IV. IC/EC Plan Compliance Report

a. IC/EC Requirements and Compliance

See Section II for descriptions of the ICs and ECs.

The three landfills were capped in 1993-1994 in accordance with the ROD. Semi-annually the cap is visually inspected for soil cover system, asphalt cover, landscaping, erosion, settlement, drainage features, and ancillary features.

Annually the groundwater from several of the monitoring wells are analyzed for VOCs, SVOCs, and metals to ensure the cap is effective.

The surface water runoff from the disposal areas are analyzed semi-annually as a SPDES permit condition.

The Site fence is inspected semi-annually along with the monitoring wells condition.

Any damage or areas of deteriorating cap materials and/or exposed soil/fill are identified. Any exceedances of the action levels for groundwater testing will be identified. A corrective action plan will be created based on these results and corrected immediately with approval by the NYSDEC.

No corrective measures were required this reporting period.

b. IC/EC Certification

The IC/EC certification is attached. IC Certification is certified by the Plant Manager and the IC/EC Certification is signed and stamped by a Professional Engineer.

V. Monitoring Plan Compliance Report

See Section I.b. Effectiveness of Remedial Program

VI. Operation & Maintenance Plan Compliance Report

The Site remedy does not rely on a mechanical system, such as groundwater treatment systems, sub-slab depressurization systems, or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the O&M components are not applicable for the Site.

VII. Overall PRR Conclusions and Recommendations

Sumitomo continues to meet the annual monitoring requirements set forth by the Long-Term Monitoring Plan.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Department's Project Manager for the site.

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 915018

Site Name Dunlop Tire and Rubber

Site Address: 3333 River Road Zip Code: 14150
City/Town: Tonawanda
County: Erie
Site Acreage: 25.0 (landfill areas)

Reporting Period: June 30, 2017 to June 30, 2018

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 915018 Box 3

Description of Institutional Controls

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

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

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

and described more specifically as:

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

There are no use restrictions on this site.

Box 4

Description of Engineering Controls

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

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

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

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

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

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

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 Timothy Noe (print name) at 10 Sheridan Dr. Tonawanda, NY 14150 (print business address),

am certifying as Senior Vice President of Manufacturing (Owner or Remedial Party)

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

Timothy Noe — 7/26/2016

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — 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 (print name) at 2055 Niagara Falls Blvd Niagara Falls, NY (print business address).

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

STATE OF NEW YORK
RICHARD J. SNYDER
No. 66242
LICENSED PROFESSIONAL ENGINEER

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

7-30-18
Date

Tables

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

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

Notes:

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

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

Parameter	Type	ARAR[1] Value (ppb)	OMW-B3 (ppb)	OMW-B4[2] (ppb)	OMW-C5 (ppb)	OMW-C7 (ppb)
2-Butanone (MEK)	VOC	50	50	50	50	50
Benzene	VOC	0.7	0.7	2	0.7	0.7
1,1-Dichloroethane	VOC	5	5	5	5	5
1,2-Dichloroethene (total)	VOC	5	5	5	5	5
1,1,1-Trichloroethane	VOC	5	5	5	5	5
Arsenic	MET	25	25	25	25	25
Cadmium	MET	10	10	28	16	10
Chromium	MET	50	50	178	66	50
Lead	MET	25	32	52	50	25
Total Phenols	SEMI	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, November 1991

[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	6/19/2018	7/6/2017	5/25/2016	Action Levels	6/19/2018	7/6/2017	5/25/2016	Action Levels	6/19/2018	7/6/2017	5/25/2016
Parameters	**Units**												
Volatile Organic Compounds	µg/L												
1,1-Dichloroethane	µg/L	5	ND (2.5)	ND (2.5)	ND (2.5)	5	ND (2.5)	ND (2.5)	ND (2.5)	5	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dichloroethane	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	5	ND(0.50)	ND(0.50)	ND(0.50)	5	ND(0.50)	ND(0.50)	ND(0.50)
1,1,1-Trichloroethane	µg/L	5	ND (2.5)	ND (2.5)	ND (2.5)	5	ND (2.5)	ND (2.5)	ND (2.5)	5	ND (2.5)	ND (2.5)	ND (2.5)
Benzene	µg/L	0.7	ND (0.50)	ND (0.50)	ND (0.50)	2	ND (0.50)	ND (0.50)	ND (0.50)	0.7	ND (0.50)	ND (0.50)	ND (0.50)
2-Butanone	µg/L	50	ND (5.0)	ND (5.0)	ND (5.0)	50	ND (5.0)	ND (5.0)	ND (5.0)	50	ND (5.0)	ND (5.0)	ND (5.0)
Total Metals													
Arsenic	µg/L	25	29.1	28.8	40.0	25	0.670	0.270 J	ND (5.0)	25	0.480 J	0.280 J	ND (5.0)
Cadmium	µg/L	10	0.110 J	0.170 J	ND (5.0)	28	ND (0.2)	ND (0.20)	ND (5.0)	10	0.140 J	0.140 J	ND (5.0)
Chromium	µg/L	50	4.88	4.15	ND (10.0)	178	7.39	6.94	ND (10.0)	50	3.76	6.55	ND (10.0)
Lead	µg/L	32	1.72	1.40	ND (10.0)	52	ND (1.0)	ND (1.0)	ND (10.0)	25	0.610 J	0.470 J	ND (10.0)
Dissolved Metals													
Dissolved Arsenic	µg/L	-	ND (5.0)	0.940	-	-	-	-	-	-	-	-	-
Dissolved Cadmium	µg/L	-	ND (5.0)	ND (0.2)	-	-	-	-	-	-	-	-	-
Dissolved Chromium	µg/L	-	ND (10.0)	0.330 J	-	-	-	-	-	-	-	-	-
Dissolved Lead	µg/L	-	ND (10)	ND (0.10)	-	-	-	-	-	-	-	-	-
Inorganics & Miscellaneous													
Turbidity	NTU	-	180	88	18	-	17	2.6	18	-	25	8.8	32
Specific Conductance	umhos/cm	-	1500	1500	990	-	3100	3000	3100	-	4000	3600	3700
Total Phenolics	µg/L	1	ND (3.0)	7.0 J	ND (30)	1	ND (3.0)	5.0 J	ND (30)	1	ND (3.0)	5.0 J	ND (30)

Notes:

ND = Nondetect

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

Yellow highlighted results are above action levels

Table 3
Sumitomo Rubber USA, LLC
Annual Landfill Well Monitoring
Groundwater Elevations

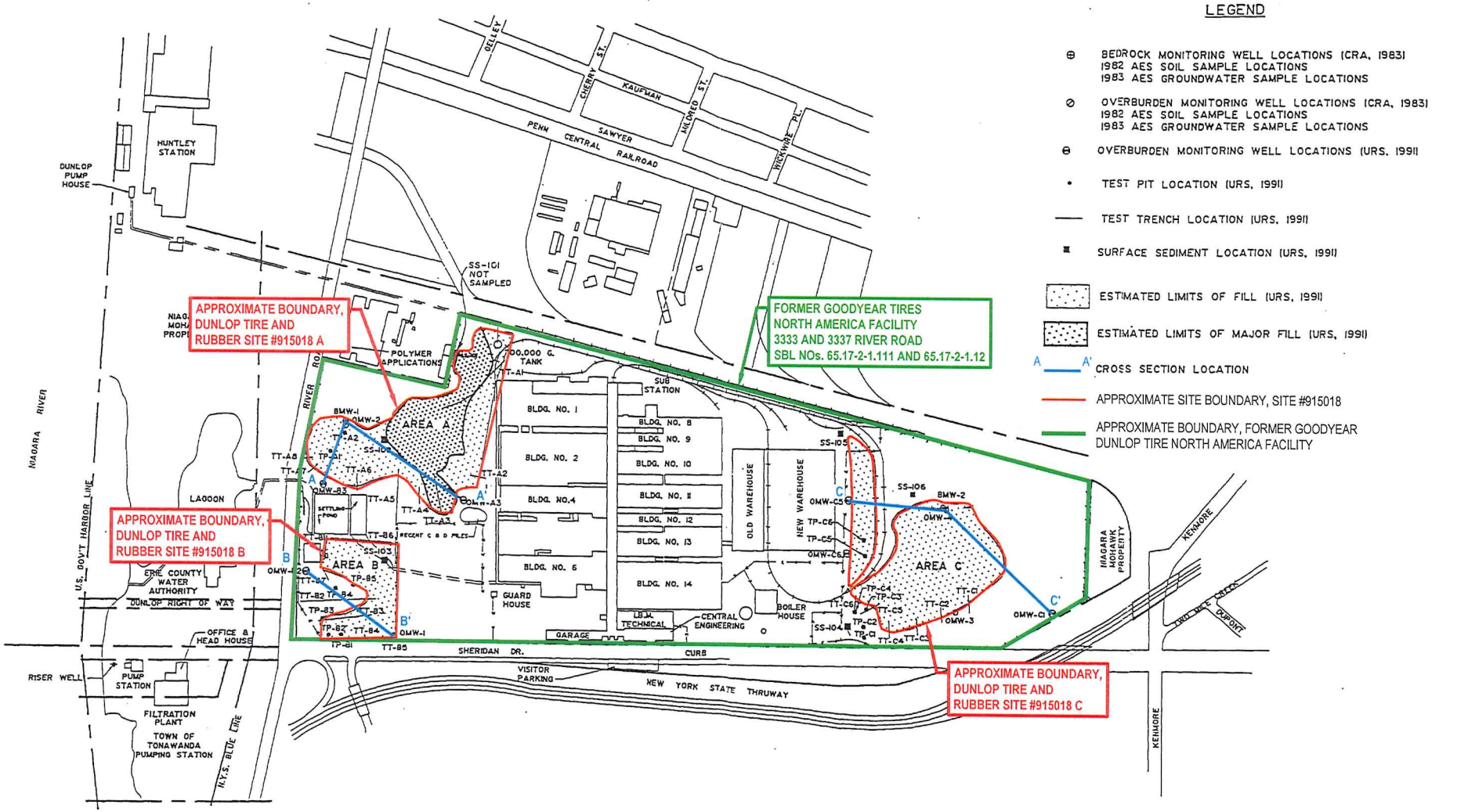
Parameter	Northing	Easting	Latitude	Longitude	Ground Elevation	Top Riser Elevation
Well ID						
OMW-A4	1081783.969	1056815.907	N 42°58'06.6290"	W 078°55'30.4211"	581.6'	584.02'
OMW-B3	1081634.987	1057041.503	N 42°58'05.1664"	W 078°55'27.3786"	577.0'	579.85'
OMW-B4	1081143.389	1057439.293	N 42°58'00.3265"	W 078°55'22.0014"	585.3'	587.37'
OMW-A6	1082260.545	1057691.331	N 42°58'11.3714"	W 078°55'18.6720"	593.84' (Rim)	593.29'
OMW-C5	1083560.949	1059089.49	N 42°58'24.2714"	W 078°55'59.9348"	602.5'	603.87;
OMW-C7	1083147.785	1059628.405	N 42°58'20.2115"	W 078°55'52.6637"	599.2'	502.06'

Notes:

Coordinate System based on NAD83 (2011) NY West

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

Figures



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

0 500'

GHD

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

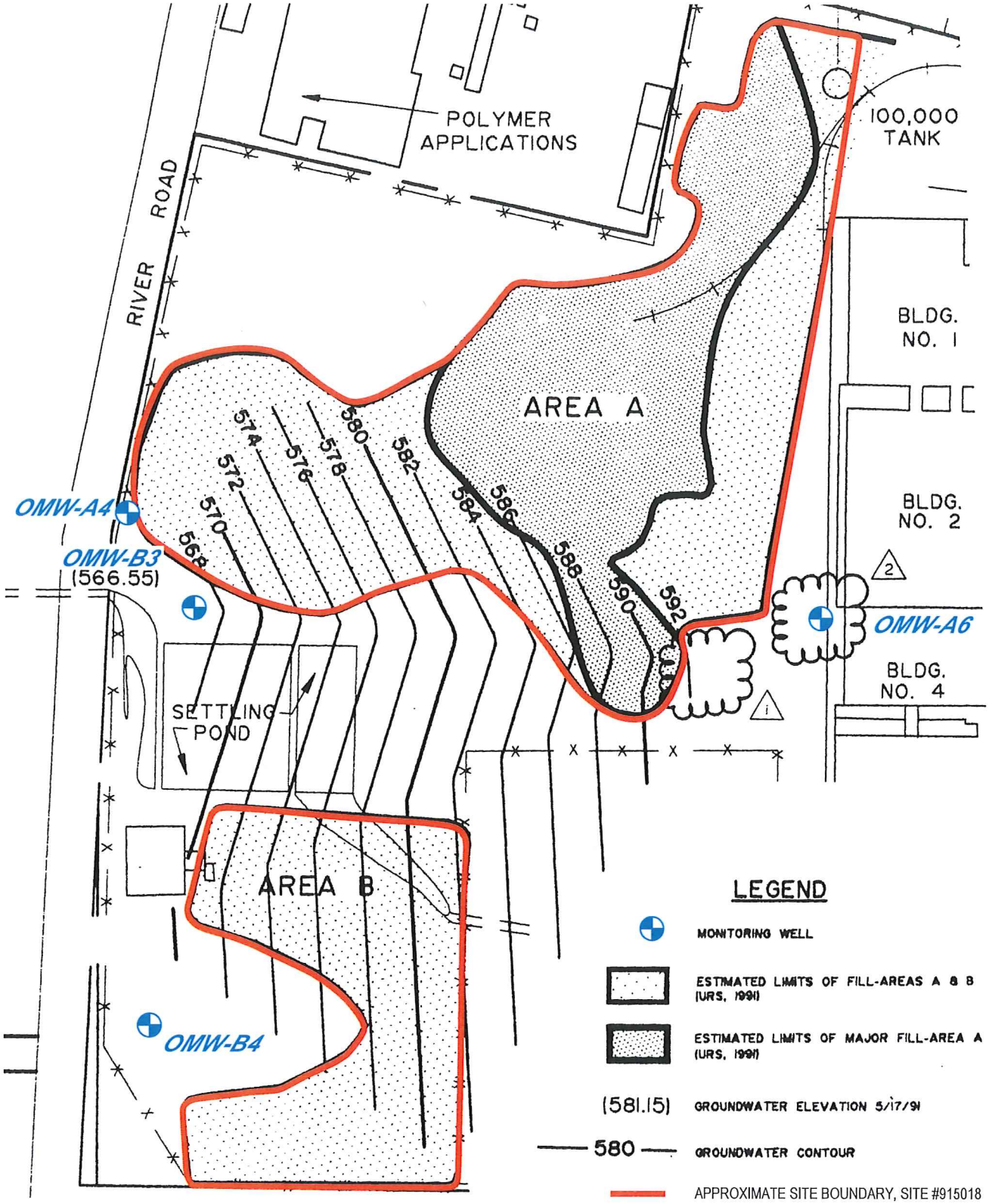
SITE PLAN

Project No. 11137137
Report No. RPT 4
Date OCT 17

FIGURE 2

Filename: P:\Drawings\10000000's\11137137 - Dunlop\Report 4\CADD\Drawings\Figures\11137137 - Figure 2.dwg
Plot Date: 10 October 2017 - 11:55 AM

Source:



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

0 200'

N

GHD

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

LOCATIONS OF WELLS FOR LONG-TERM MONITORING

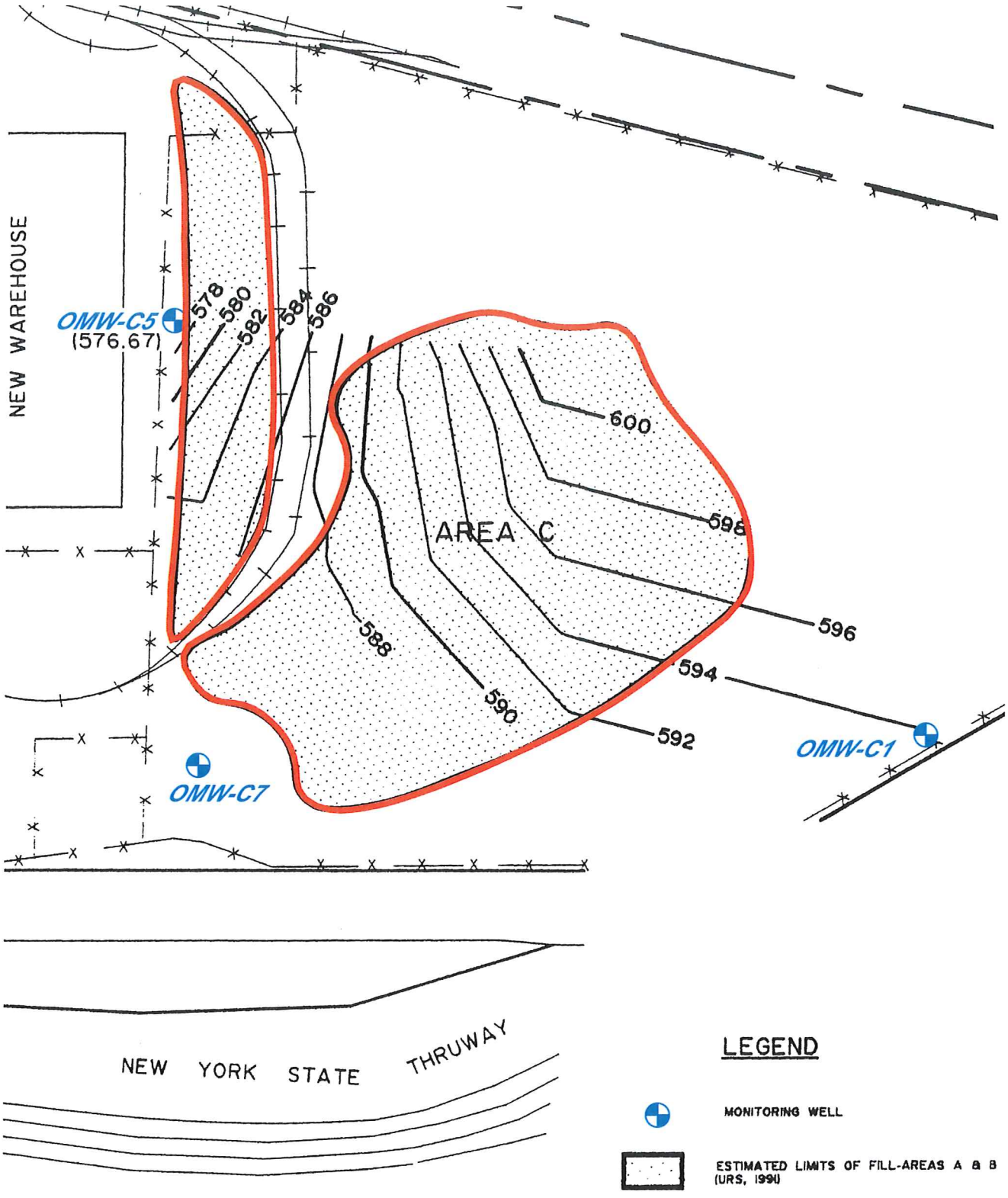
DISPOSAL SITES A AND B

Project No. 11137137
Report No. RPT 4
Date OCT 17

FIGURE 13

Filename: P:\Drawings\10000000's\11137137 - Dunlop\Report 4\CADD\Drawings\Figures\11137137 - Figure 13.dwg
Plot Date: 10 October 2017 - 11:56 AM

Source:



LEGEND

MONITORING WELL

ESTIMATED LIMITS OF FILL-AREAS A & B (URS, 1994)

(591.42) GROUNDWATER ELEVATION 5/17/91

590 GROUNDWATER CONTOUR

APPROXIMATE SITE BOUNDARY, SITE #915018

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

0 200'

N

GHD

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

LOCATIONS OF WELLS FOR LONG-TERM MONITORING

DISPOSAL SITE C

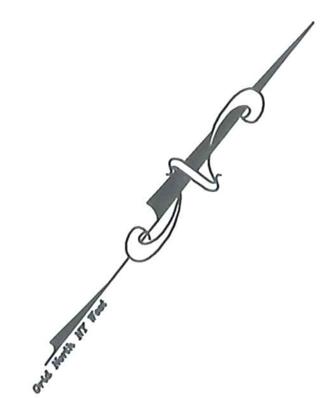
Project No. 11137137
Report No. RPT 4
Date OCT 17

FIGURE 14

Filename: P:\Drawings\10000000's\11137137 - Dunlop\Report 4\CADD\Drawings\Figures\11137137 - Figure 14.dwg
Plot Date: 10 October 2017 - 11:57 AM

Source:

Well	Northing	Easting	Latitude	Longitude	Ground El.	Top Riser El.
OMW-A4	1081783.969	1056815.907	N 42°58'06.6290"	W 078°55'30.4211"	581.6'	584.02'
OMW-B3	1081634.987	1057041.503	N 42°58'05.1664"	W 078°55'27.3786"	577.0'	579.85'
OMW-B4	1081143.389	1057439.298	N 42°58'00.3265"	W 078°55'22.0014"	585.3'	587.37'
OMW-A6	1082260.545	1057691.331	N 42°58'11.3714"	W 078°55'18.6720"	593.84' (Rim)	593.29'
OMW-C5	1083560.949	1059089.490	N 42°58'24.2716"	W 078°54'59.9349"	602.5'	603.87'
OMW-C7	1083147.785	1059628.405	N 42°58'20.2115"	W 078°54'52.6637"	599.2'	602.06'



General Notes

Legend:

—600— 2' Water level Contours based on Monitoring Well Water Elevations as shown and not exhaustive underground water table survey
Sampling date: June 29, 2018 - July 3, 2018

Notes:

Coordinate System based on NAD83 (2011) NY West

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

This map of survey dated, July 26, 2018, was prepared from an instrument survey.

It is a violation of New York State Education Law for any person, unless acting under the direction of a licensed surveyor, to alter an item in any way.

Only copies of this survey marked with an original signature and an original embossed or ink seal are the product of the land surveyor.

This is not a boundary survey. This is not a topographical survey. Site utilities not located.

2017 Orthoimagery overlay downloaded from NYS GIS Clearinghouse and is not a product of Clear Creek Land Surveying, LLC.

Survey by William J Tucker, II PLS #050369
Clear Creek Land Surveying, L.L.C.
7449 Mill Street, Caneadea, NY 14717
Phone 716-592-5800 Fax 716-592-5566

Isaiah 28:16 So this is what the Sovereign Lord says: See, I lay a stone in Zion, a tested stone, a precious cornerstone for a sure foundation; the one who trusts will never be dismayed. Isaiah 28:17 I will make justice the measuring line and righteousness the plumb line;

GRAPHIC SCALE

150 0 75 150 300

1 inch = 150 ft.

Firm Name and Address
Clear Creek Land Surveying, LLC
#7449 Mill Street
Caneadea, NY 14717
ph. 716-592-5800
fax 716-592-5566

Project Name and Address

Monitoring Well Location and Elevation Survey for Sumitomo Rubber USA, LLC

Dunlop Tire and Rubber Site, Site #915018

3333 River Road
Tonawanda, NY 14150

Project	Sheet
2018/Sumitomo	1 of 1
Date: July 26, 2018	
Scale: 1"=150'	

Appendix A
Alpha Analytical Report

ANALYTICAL REPORT

Lab Number:	L1823043
Client:	Sumitomo Rubber USA, LLC PO BOX 1109 Buffalo, NY 14240
ATTN:	Mark Craft
Phone:	(716) 879-8497
Project Name:	WELL SAMPLING
Project Number:	Not Specified
Report Date:	06/28/18

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: L1823043
Report Date: 06/28/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1823043-01	WELL B3	WATER	BUFFALO, NY	06/19/18 12:30	06/19/18
L1823043-02	WELL B4	WATER	BUFFALO, NY	06/19/18 12:40	06/19/18
L1823043-03	WELL C7	WATER	BUFFALO, NY	06/19/18 12:00	06/19/18
L1823043-04	TRIP BLANK	WATER	BUFFALO, NY	06/19/18 00:00	06/19/18

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

Case Narrative (continued)

Report Submission

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

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

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 06/28/18

VOLATILES

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-01
Client ID: WELL B3
Sample Location: BUFFALO, NY

Date Collected: 06/19/18 12:30
Date Received: 06/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/26/18 11:05
Analyst: PD

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	118		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	120		70-130

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-02
Client ID: WELL B4
Sample Location: BUFFALO, NY

Date Collected: 06/19/18 12:40
Date Received: 06/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/26/18 11:31
Analyst: PD

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	124		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	121		70-130

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-03
Client ID: WELL C7
Sample Location: BUFFALO, NY

Date Collected: 06/19/18 12:00
Date Received: 06/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/26/18 11:56
Analyst: PD

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	127		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	122		70-130

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-04
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY

Date Collected: 06/19/18 00:00
Date Received: 06/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/26/18 12:22
Analyst: PD

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	126		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	124		70-130

METALS

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-01
Client ID: WELL B3
Sample Location: BUFFALO, NY

Date Collected: 06/19/18 12:30
Date Received: 06/19/18
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	0.02914		mg/l	0.00050	0.00016	1	06/25/18 09:20	06/25/18 17:08	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00011	J	mg/l	0.00020	0.00005	1	06/25/18 09:20	06/25/18 17:08	EPA 3005A	1,6020A	AM
Chromium, Total	0.00488		mg/l	0.00100	0.00017	1	06/25/18 09:20	06/25/18 17:08	EPA 3005A	1,6020A	AM
Lead, Total	0.00172		mg/l	0.00100	0.00034	1	06/25/18 09:20	06/25/18 17:08	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	ND		mg/l	0.005	0.002	1	06/26/18 08:05	06/28/18 02:37	EPA 3005A	1,6010C	AB
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	06/26/18 08:05	06/28/18 02:37	EPA 3005A	1,6010C	AB
Chromium, Dissolved	ND		mg/l	0.010	0.002	1	06/26/18 08:05	06/28/18 02:37	EPA 3005A	1,6010C	AB
Lead, Dissolved	ND		mg/l	0.010	0.003	1	06/26/18 08:05	06/28/18 02:37	EPA 3005A	1,6010C	AB

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-02
Client ID: WELL B4
Sample Location: BUFFALO, NY

Sample Depth:
Matrix: Water

Date Collected: 06/19/18 12:40
Date Received: 06/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00067		mg/l	0.00050	0.00016	1	06/25/18 09:20	06/25/18 17:12	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/25/18 09:20	06/25/18 17:12	EPA 3005A	1,6020A	AM
Chromium, Total	0.00739		mg/l	0.00100	0.00017	1	06/25/18 09:20	06/25/18 17:12	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/25/18 09:20	06/25/18 17:12	EPA 3005A	1,6020A	AM

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-03
Client ID: WELL C7
Sample Location: BUFFALO, NY

Date Collected: 06/19/18 12:00
Date Received: 06/19/18
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	0.00048	J	mg/l	0.00050	0.00016	1	06/25/18 09:20	06/25/18 17:16	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00014	J	mg/l	0.00020	0.00005	1	06/25/18 09:20	06/25/18 17:16	EPA 3005A	1,6020A	AM
Chromium, Total	0.00376		mg/l	0.00100	0.00017	1	06/25/18 09:20	06/25/18 17:16	EPA 3005A	1,6020A	AM
Lead, Total	0.00061	J	mg/l	0.00100	0.00034	1	06/25/18 09:20	06/25/18 17:16	EPA 3005A	1,6020A	AM

INORGANICS
&
MISCELLANEOUS

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-01
Client ID: WELL B3
Sample Location: BUFFALO, NY

Date Collected: 06/19/18 12:30
Date Received: 06/19/18
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	180		NTU	1.0	0.30	5	-	06/20/18 04:08	121,2130B	UN
Specific Conductance @ 25 C	1500		umhos/cm	10	10.	1	-	06/20/18 03:47	1,9050A	UN
Phenolics, Total	ND		mg/l	0.030	0.006	1	06/21/18 08:07	06/22/18 05:29	4,420.1	GD

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-02
Client ID: WELL B4
Sample Location: BUFFALO, NY

Date Collected: 06/19/18 12:40
Date Received: 06/19/18
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	17		NTU	0.20	0.06	1	-	06/20/18 04:08	121,2130B	UN
Specific Conductance @ 25 C	3100		umhos/cm	10	10.	1	-	06/20/18 03:47	1,9050A	UN
Phenolics, Total	ND		mg/l	0.030	0.006	1	06/21/18 08:07	06/22/18 05:30	4,420.1	GD

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

SAMPLE RESULTS

Lab ID: L1823043-03
Client ID: WELL C7
Sample Location: BUFFALO, NY

Date Collected: 06/19/18 12:00
Date Received: 06/19/18
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	25		NTU	0.20	0.06	1	-	06/20/18 04:08	121,2130B	UN
Specific Conductance @ 25 C	4000		umhos/cm	10	10.	1	-	06/20/18 03:47	1,9050A	UN
Phenolics, Total	ND		mg/l	0.030	0.006	1	06/21/18 08:07	06/22/18 05:33	4,420.1	GD

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

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(*)
L1823043-01A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-01B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-01C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-01D	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180),CD-6020T(180)
L1823043-01E	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		TURB-2130(2),COND-9050(28)
L1823043-01F	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		-
L1823043-01G	Amber 500ml H2SO4 preserved	A	<2	<2	3.0	Y	Absent		NY-TPHENOL-420(28)
L1823043-01X	Plastic 250ml HNO3 preserved Filtrates	A	NA		3.0	Y	Absent		PB-SI(180),AS-SI(180),CD-SI(180),CR-SI(180)
L1823043-02A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-02B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-02C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-02D	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180),CD-6020T(180)
L1823043-02E	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		TURB-2130(2),COND-9050(28)
L1823043-02F	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		-
L1823043-02G	Amber 500ml H2SO4 preserved	A	<2	<2	3.0	Y	Absent		NY-TPHENOL-420(28)
L1823043-02X	Plastic 250ml HNO3 preserved Filtrates	A	NA		3.0	Y	Absent		HOLD-METAL-DISSOLVED(180)
L1823043-03A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-03B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-03C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-03D	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		CR-6020T(180),PB-6020T(180),AS-6020T(180),CD-6020T(180)
L1823043-03E	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		TURB-2130(2),COND-9050(28)
L1823043-03F	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823043-03G	Amber 500ml H2SO4 preserved	A	<2	<2	3.0	Y	Absent		NY-TPHENOL-420(28)
L1823043-03X	Plastic 250ml HNO3 preserved Filtrates	A	NA		3.0	Y	Absent		HOLD-METAL-DISSOLVED(180)
L1823043-04A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L1823043-04B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

GLOSSARY

Acronyms

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).

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.

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.

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.

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

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.

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.

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 Condensation Product".

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

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

Project Name: WELL SAMPLING
Project Number: Not Specified
Lab Number: L1823043
Report Date: 06/28/18

Data Qualifiers

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.

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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).

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

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

Project Name: WELL SAMPLING
Project Number: Not Specified

Lab Number: L1823043
Report Date: 06/28/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

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

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
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, **EPA 351.1, 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 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, 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, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA

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

NEW YORK CHAIN OF CUSTODY

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

Date Rec'd in Lab: 6/20/18

ALPHA Job #: L1823093

Client Information

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

Project Information

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

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☑ Same as Client Info
PO # 4514252531

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

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

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (2175)- Site Specific	Total Phenols	Total Metals	*Dissolved Metals*	Specific Conductance	Turbidity			Sample Specific Comments	Total Bottles
23093-01	Well B3	06/19/18	1230	GW	PH	X	X	X	X	X	X				7
02	Well B4	↓	1240	GW	↓	X	X	X	X	X	X				7
03	Well C7	↓	1200	GW	↓	X	X	X	X	X	X				7
															7
04	Trip Blank			DI Water		X									2
Container Type						V	A	P	P	P	P				
Preservative						H	D	C	A	A	A				

Preservative Code:	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

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

Relinquished By:	Date/Time	Received By:	Date/Time
Patrick Nagerty (signature)	06/19/18 1600	(signature)	6/20/18 01:00

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

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

P1823043

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

Groundwater Monitoring Information Sheet

Site Name: Goodyear Dunlop Tire

Purge
Sampling Date: 06/18/18

Monitoring Well ID: C-7

Serial_No:06281815:45

Sampling Date: 06/19/18

Well Structure Data

Evacuation Date: 06/18/18

Water Elevation: NA

Top of Inner Casing Elevation: NA

Bottom of Well: 23.5

Monitoring Well Diameter: 0.163

Volume of Standing Water: 15.2 x 163 2.4726 gallons

Water Level: 8.3

Volume of Evacuated Water: 7 gallons

Appearance/Observation: High Vegetation Some Rust Niv

Well Field Parameter Data

pH - Standard Units: 7.26

Specific Conductance:

Temperature - deg C/deg F 12.2

Turbidity:

% Recharge: 88%

Misc. Well Information

Was Well Locked? Yes

Physical Condition of Well: Fair - Good

Was Well ID Easily Visible? Yes

Solids Content: Non Noticid

Weather on Sampling Day Partly Cloudy

Purging Method: Manual bailer

Patrick / Hagerty

Technician

06/19/18

Date

P1823013

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

Groundwater Monitoring Information Sheet

Site Name: Goodyear Dunlop Tire

Purge
Sampling Date: 06/18/18

Monitoring Well ID: B-4 Serial_No:06281815:45

Sampling Date: 06/19/18

Well Structure Data

Evacuation Date: 06/18/18
Water Elevation: _____
Top of Inner Casing Elevation: _____
Bottom of Well: 22.5
Monitoring Well Diameter: 0.163
Volume of Standing Water: 2.7384 gallons
Water Level: 5.7
Volume of Evacuated Water: 7.5 gallons
Appearance/Observation: _____

Well Field Parameter Data

pH - Standard Units: 7.60
Specific Conductance: _____
Temperature - deg C/deg F 12.8
Turbidity: _____
% Recharge: 50%

Misc. Well Information

Was Well Locked? Yes
Physical Condition of Well: Good
Was Well ID Easily Visible? Yes
Solids Content: N/A
Weather on Sampling Day Partly Cloudy
Purging Method: Manual bailer

Patrick Wagner
Technician

06/19/18
Date

Serial_No:06281815:45
275 Cooper Ave
Tonawanda, NY 14150
716-427-5225
alphalab.com

Groundwater Monitoring Information Sheet

Site Name: Goodyear Dunlop Tire

Sampling Date: Duge 06/18/18

Monitoring Well ID: B3

Sampling Date: 06/19/18

Well Structure Data

Evacuation Date: 06/18/19

Water Elevation: _____

Top of Inner Casing Elevation: _____

Bottom of Well: 17.2

Monitoring Well Diameter: 0.163

Volume of Standing Water: 10 X .163 = 1.63

Water Level: 7.2

Volume of Evacuated Water: 5 gallons

Appearance/Observation: _____

Well Field Parameter Data

pH - Standard Units: 6.92

Specific Conductance: _____

Temperature - deg C/deg F 11.6

Turbidity: _____

% Recharge: 93%

Misc. Well Information

Was Well Locked? Yes

Physical Condition of Well: Good

Was Well ID Easily Visible? Yes

Solids Content: minor + some cloudiness

Weather on Sampling Day Partly Cloudy

Purging Method: manual bailer

Patrick Hegarty — Technician

06/19/18 — Date

Appendix B
Landfill Condition – Semi-Annual Inspection Report

SUMITOMO RUBBER USA, LLC.
LANDFILL CONDITION - SEMI-ANNUAL INSPECTION REPORT

File 7.4

Site No.: 915018 A, B & C

Name of Inspector: Christa Bucior

Date of Inspection: 10/19/17

	Topsoil Erosion Occurring?	Clay Cap Erosion Occurring?	Ditches Free of Obstruction?	Grass Cover Adequate?	Paved Areas Intact?	Note Any Damage.
AREA "B"						
Southeast Area	No	No	Yes	Yes	Yes	
Southern Area	No	No	Yes	Yes		
Northern Area	No	No	Yes	Yes		
River Road Ditch	No	No	Yes	Yes		
BORROW PIT						
AREA "A"						
Central Area	No	No	Yes	Yes		
Northeast Area	No	No	Yes	Yes	Yes	
AREA "C"						
Outlying Area	No	No	Yes	Yes		
Major Area	No	No	Yes	Yes		
Ditch at Toe of Slope	No	No	Yes	Yes		
Sheridan Drive Ditch	No	No	Yes	Yes		
Stockpile Area	No	No	Yes	Yes		
Warehouse Ditch	No	No	Yes	Yes		
Paved Areas						
Parking Lot					Yes	
Driveway					Yes	

WEATHER CONDITIONS:

Temperature	65°F
Wind Direction	SW
Wind Speed	22mph
Precipitation Amount	0
Sky Conditions	Sunny + clear
Inches of Snow Cover	0

Describe Any Corrective Action Required:

Minor garbage on ground and in ditches

Describe Any Corrective Action Taken:

Garbage was removed

SUMITOMO RUBBER USA, LLC.
LANDFILL CONDITION - SEMI-ANNUAL INSPECTION REPORT

File 7.4

Site No.: 915018 A, B & C

Name of Inspector: Christa Bucior

Date of Inspection: 5/24/18

	Topsoil Erosion Occurring?	Clay Cap Erosion Occurring?	Ditches Free of Obstruction?	Grass Cover Adequate?	Paved Areas Intact?	Note Any Damage.
AREA "B"						
Southeast Area	No	No	Yes	Yes	Yes	
Southern Area	No	No	Yes	Yes		Minor damage at base of landfill by parking lot snow removal
Northern Area	No	No	Yes	Yes		
River Road Ditch	No	No	Yes	Yes		
BORROW PIT						
AREA "A"						
Central Area	No	No	Yes	Yes		
Northeast Area	No	No	Yes	Yes	Yes	
AREA "C"						
Outlying Area	No	No	Yes	Yes		minor garabage in ditches
Major Area	No	No	Yes	Yes		
Ditch at Toe of Slope	No	No	Yes	Yes		
Sheridan Drive Ditch	No	No	Yes	Yes		
Stockpile Area	No	No	Yes	Yes		
Warehouse Ditch	No	No	Yes	Yes		
Paved Areas						
Parking Lot					Yes	
Driveway					Yes	

WEATHER CONDITIONS:

Temperature	68°F
Wind Direction	SW
Wind Speed	7mph
Precipitation Amount	0
Sky Conditions	Clear
Inches of Snow Cover	0

Describe Any Corrective Action Required:

1. Have landscaper fix minor damage at base of Landfill B
2. Remove garabage from ditches by Landfill C

Describe Any Corrective Action Taken:

1. PO in place for work by landscaper. Will schedule for July
2. Garbage will get removed by landscaper in July

Appendix C

Well Condition Inspection

Well Condition Report						
	A-4	**A-6**	**B-4**	**B-3**	**C-7**	**C-5**
Well Locked	Yes	No	Yes	Yes	Yes	Yes
Condition of Well Lock	Rusty, hard to open	Rusty, hard to open	Rusty, hard to open	Rusty, hard to open	Rusty, hard to open	Rusty, hard to open
Well ID Easily Visible	Yes	No	Yes	Yes	Yes	No
Physical Condition of Well	Good	Good	Good	Good	Good	Good
Comments						1. Wasp nest in well cap
						2. Tall vegetation made it hard to find well
Corrective Actions Required	1. Need to clean or replace lock	1. Need to clean or replace lock	1. Need to clean or replace lock	1. Need to clean or replace lock	1. Need to clean or replace lock	1. Need to clean or replace lock
		2. Put up better well identification				2. Remove wasp nest from well cap
						3. Clear a path to well
						4. Put up better well identification