

# Goodyear Dunlop Tires North America, Ltd.



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\* PTL UNREL

July 28, 2004

Mr. Glenn May  
New York State Dept. of Environmental Conservation  
272 Michigan Ave.  
Buffalo, NY 14203-2999

Well testing results of Inactive Waste Sites No. 915018 A, B, & C

Dear Mr. May,

Please find the attached analytical results of our well testing sampled on Tuesday, June 22, 2004. The wells sampled are (year 10) downgradient wells B3, B4, A4, C5, & C7, upgradient wells were not required to be tested at this time.

It appears as if well no. B3 is above the action level of 32 ppb of lead with a reading of 34.8, and well no. B4 is above the action level of 25 ppb of arsenic with a reading of 37.2.

As both of these wells have a history of being well below the permitted action levels, we now have them scheduled to be re-tested. The results of the re-test will be provided to you as soon as they are available.

Thank you,

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

cc: M. Kaczynski, Plant Engineer  
T. Frosell, Plant Manager  
B. Sadowski, NYSDEC



1815 Love Road  
Grand Island  
New York 14072  
Tel: (716) 773-7625  
Fax: (716) 773-7624

## Laboratory Analysis Report

Project: Groundwater Monitoring

Inactive Waste Sites 915018 A,B & C

Phase:

Sample Date: Tuesday, June 22, 2004

Report Date: Wednesday, June 30, 2004

Report ID: NY406137.0.9543

PO# / Release#: /

Reference #:

Report Status: **Final**

performed at the request of: Mark Craft  
Goodyear Dunlop Tire NA, Ltd.

PO Box 1109  
Buffalo, NY 14240

The enclosed sample results table(s) are for 6 sample(s) received by Chopra-Lee, Inc. on 6/22/04 sampled by David Porter of Chopra-Lee, Inc. on 6/22/04. Also enclosed is the chain of custody submitted with the samples.

Authorized Signature:

  
☒ Richard V. Finn, Laboratory Manager  
☐ Paul S. Chopra, Laboratory Director

### Laboratory Personnel Legend:

|     |                 |     |                        |
|-----|-----------------|-----|------------------------|
| FB  | Fred Bozek      | SJB | Stanley J. Biemar, Jr. |
| LGB | Linda G. Bryant | PSC | Paul S. Chopra         |
| MF  | Mary Ferguson   | RVF | Richard (Dick) V. Finn |
| VJH | Vivian Hoffman  | LJG | Louis Giardina         |
| CS  | Carol Skelly    | SH  | Scott Hammond          |
| RS  | Ron Stacy       | DP  | David Porter           |
|     |                 | DR  | Daniel Reid            |
|     |                 | PS  | Peiliang Shen          |

*The results enclosed are submitted pursuant to Chopra-Lee, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. These results pertain only to the items tested. Unless notified in writing to return the samples covered by this report Chopra-Lee, Inc. will store what remains of the samples for a period of 15 days before discarding, unless otherwise required by law.*



ND = Not Detected in Sample, less than Detection Limit (DL)  
~ X.XX = Less than the quantitation limit (estimated value)  
b = compound detected in blank  
NYS DOH ELAP ID# 10954

Client: Goodyear Dunlop Tire NA, Ltd.  
Project: NY406137.0.9543  
Report Status: Final  
Page: 1 of 7

## Sample Results

Sample ID: 1

Client: Goodyear Dunlop Tire NA, Ltd.

Lab Sample #: 36290

Report ID: NY406137.0.9543

Location: Well B3 / Field Grab - Ground Water

| Parameters / Method                              | Analyte                   | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analyst Date  |
|--------------------------------------------------|---------------------------|----------------------|-------------------------|----------------|-------|---------------|
| <b>Heavy Metals using Atomic Spectroscopy</b>    |                           |                      |                         |                |       |               |
| 4 Heavy Metals - Soluble / EPA 4.1.3/200.7/245.1 | Arsenic <i>25 ppb</i>     | 0.0050               | 0.025                   | <b>~0.0151</b> | mg/L  | VJH 6/24/04   |
|                                                  | Cadmium                   | 0.0010               | 0.0050                  | <b>ND</b>      | mg/L  | VJH 6/24/04   |
|                                                  | Chromium                  | 0.0020               | 0.010                   | <b>ND</b>      | mg/L  | VJH 6/24/04   |
|                                                  | Lead                      | 0.0030               | 0.015                   | <b>ND</b>      | mg/L  | VJH 6/24/04   |
| 4 Heavy Metals - Total / EPA 4.1.3/200.7/245.1   | Arsenic <i>25</i>         | 0.0050               | 0.025                   | <b>~0.0234</b> | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Cadmium <i>10</i>         | 0.0010               | 0.0050                  | <b>ND</b>      | mg/L  | VJH 6/24/04   |
|                                                  | Chromium <i>50</i>        | 0.0020               | 0.010                   | <b>0.0315</b>  | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Lead <i>32</i>            | 0.0030               | 0.015                   | <b>0.0348</b>  | mg/L  | VJH 6/24/04 ← |
| <b>Volatile Organic Compounds</b>                |                           |                      |                         |                |       |               |
| DUNLOP 5 -Volatiles / EPA 624                    | 1,1,1-Trichloroethane     | 2.0                  | 10                      | <b>ND</b>      | ug/L  | RS 6/27/04    |
|                                                  | 1,1-Dichloroethane        | 2.0                  | 10                      | <b>ND</b>      | ug/L  | RS 6/27/04    |
|                                                  | 1,2-Dichloroethene        | 2.0                  | 10                      | <b>ND</b>      | ug/L  | RS 6/27/04    |
|                                                  | Benzene                   | 2.0                  | 10                      | <b>ND</b>      | ug/L  | RS 6/27/04    |
|                                                  | Methyl Ethyl Ketone (MEK) | 2.0                  | 10                      | <b>ND</b>      | ug/L  | RS 6/27/04    |
| <b>Wet Chemistry Procedures</b>                  |                           |                      |                         |                |       |               |
| Phenolics (wet chem) / EPA 420.1                 | Total Phenolics           | 0.0050               | 0.0050                  | <b>ND</b>      | mg/L  | RVF 6/28/04   |

end of sample 36290



ND = Not Detected in Sample, less than Detection Limit (DL)

~X.XXX = Less than the quantitation limit (estimated value)

b = compound detected in blank

NYS DOH ELAP ID# 10954

Client: Goodyear Dunlop Tire NA, Ltd.

Project: NY406137.0.9543

Report Status: Final

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## Sample Results

Sample ID: 2

Client: Goodyear Dunlop Tire NA, Ltd.

Lab Sample #: 36291

Report ID: NY406137.0.9543

Location: Well B4 / Field Grab - Ground Water

| Parameters / Method                              | Analyte                   | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analyst Date  |
|--------------------------------------------------|---------------------------|----------------------|-------------------------|----------------|-------|---------------|
| <b>Heavy Metals using Atomic Spectroscopy</b>    |                           |                      |                         |                |       |               |
| 4 Heavy Metals - Soluble / EPA 4.1.3/200.7/245.1 | Arsenic                   | 0.0050               | 0.025                   | ~0.0176        | mg/L  | VJH 6/24/04   |
|                                                  | Cadmium                   | 0.0010               | 0.0050                  | ND             | mg/L  | VJH 6/24/04   |
|                                                  | Chromium                  | 0.0020               | 0.010                   | ND             | mg/L  | VJH 6/24/04   |
|                                                  | Lead                      | 0.0030               | 0.015                   | ~0.00642       | mg/L  | VJH 6/24/04   |
| 4 Heavy Metals - Total / EPA 4.1.3/200.7/245.1   | Arsenic 25                | 0.0050               | 0.025                   | 0.0372         | mg/L  | VJH 6/24/04   |
|                                                  | Cadmium 28                | 0.0010               | 0.0050                  | ND             | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Chromium 178              | 0.0020               | 0.010                   | 0.0832         | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Lead 52                   | 0.0030               | 0.015                   | 0.0347         | mg/L  | VJH 6/24/04 ✓ |
| <b>Volatile Organic Compounds</b>                |                           |                      |                         |                |       |               |
| DUNLOP 5 -Volatiles / EPA 624                    | 1,1,1-Trichloroethane     | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | 1,1-Dichloroethane        | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | 1,2-Dichloroethene        | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | Benzene                   | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | Methyl Ethyl Ketone (MEK) | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
| <b>Wet Chemistry Procedures</b>                  |                           |                      |                         |                |       |               |
| Phenolics (wet chem) / EPA 420.1                 | Total Phenolics           | 0.0050               | 0.0050                  | ND             | mg/L  | RVF 6/28/04   |

end of sample 36291



ND = Not Detected in Sample, less than Detection Limit (DL)

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NYS DOH ELAP ID# 10954

Client: Goodyear Dunlop Tire NA, Ltd.

Project: NY406137.0.9543

Report Status: Final

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## Sample Results

Sample ID: 3  
 Lab Sample #: 36292  
 Location: Well C7 / Field Grab - Ground Water

Client: Goodyear Dunlop Tire NA, Ltd.  
 Report ID: NY406137.0.9543

| Parameters / Method                              | Analyte                   | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analyst Date  |
|--------------------------------------------------|---------------------------|----------------------|-------------------------|----------------|-------|---------------|
| <b>Heavy Metals using Atomic Spectroscopy</b>    |                           |                      |                         |                |       |               |
| 4 Heavy Metals - Soluble / EPA 4.1.3/200.7/245.1 | Arsenic                   | 0.0050               | 0.025                   | ~0.0182        | mg/L  | VJH 6/24/04   |
|                                                  | Cadmium                   | 0.0010               | 0.0050                  | ND             | mg/L  | VJH 6/24/04   |
|                                                  | Chromium                  | 0.0020               | 0.010                   | ND             | mg/L  | VJH 6/24/04   |
|                                                  | Lead                      | 0.0030               | 0.015                   | ND             | mg/L  | VJH 6/24/04   |
| 4 Heavy Metals - Total / EPA 4.1.3/200.7/245.1   | Arsenic 25 ppb            | 0.0050               | 0.025                   | ~0.0189        | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Cadmium 10                | 0.0010               | 0.0050                  | ND             | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Chromium 50               | 0.0020               | 0.010                   | 0.0319         | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Lead 25                   | 0.0030               | 0.015                   | ~0.0124        | mg/L  | VJH 6/24/04 ✓ |
| <b>Volatile Organic Compounds</b>                |                           |                      |                         |                |       |               |
| DUNLOP 5 -Volatiles / EPA 624                    | 1,1,1-Trichloroethane     | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | 1,1-Dichloroethane        | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | 1,2-Dichloroethene        | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | Benzene                   | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | Methyl Ethyl Ketone (MEK) | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
| <b>Wet Chemistry Procedures</b>                  |                           |                      |                         |                |       |               |
| Phenolics (wet chem) / EPA 420.1                 | Total Phenolics           | 0.0050               | 0.0050                  | ND             | mg/L  | RVF 6/28/04   |
| end of sample 36292                              |                           |                      |                         |                |       |               |



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 NYS DOH ELAP ID# 10954

Client: Goodyear Dunlop Tire NA, Ltd.  
 Project: NY406137.0.9543  
 Report Status: Final  
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**Sample Results**

Sample ID: 4

Client: Goodyear Dunlop Tire NA, Ltd.

Lab Sample #: 36293

Report ID: NY406137.0.9543

Location: Trip Blank / Field Grab - Ground Water

| Parameters / Method               | Analyte                   | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analyst | Date    |
|-----------------------------------|---------------------------|----------------------|-------------------------|----------------|-------|---------|---------|
| <b>Volatile Organic Compounds</b> |                           |                      |                         |                |       |         |         |
| DUNLOP 5 -Volatiles / EPA 624     | 1,1,1-Trichloroethane     | 2.0                  | 10                      | ND             | ug/L  | RS      | 6/27/04 |
|                                   | 1,1-Dichloroethane        | 2.0                  | 10                      | ND             | ug/L  | RS      | 6/27/04 |
|                                   | 1,2-Dichloroethene        | 2.0                  | 10                      | ND             | ug/L  | RS      | 6/27/04 |
|                                   | Benzene                   | 2.0                  | 10                      | ND             | ug/L  | RS      | 6/27/04 |
|                                   | Methyl Ethyl Ketone (MEK) | 2.0                  | 10                      | ND             | ug/L  | RS      | 6/27/04 |

*end of sample 36293*

ND = Not Detected in Sample, less than Detection Limit (DL)

~ X.XX = Less than the quantitation limit (estimated value)

b = compound detected in blank

NYS DOH ELAP ID# 10954

Client: Goodyear Dunlop Tire NA, Ltd.

Project: NY406137.0.9543

Report Status: Final

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## Sample Results

Sample ID: 5  
 Lab Sample #: 36294  
 Location: Well A4 / Field Grab - Ground Water

Client: Goodyear Dunlop Tire NA, Ltd.  
 Report ID: NY406137.0.9543

| Parameters / Method                              | Analyte                   | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analyst Date |
|--------------------------------------------------|---------------------------|----------------------|-------------------------|----------------|-------|--------------|
| <b>Heavy Metals using Atomic Spectroscopy</b>    |                           |                      |                         |                |       |              |
| 4 Heavy Metals - Soluble / EPA 4.1.3/200.7/245.1 | Arsenic                   | 0.0050               | 0.025                   | 0.0493         | mg/L  | VJH 6/24/04  |
|                                                  | Cadmium                   | 0.0010               | 0.0050                  | ND             | mg/L  | VJH 6/24/04  |
|                                                  | Chromium                  | 0.0020               | 0.010                   | ND             | mg/L  | VJH 6/24/04  |
|                                                  | Lead                      | 0.0030               | 0.015                   | ND             | mg/L  | VJH 6/24/04  |
| 4 Heavy Metals - Total / EPA 4.1.3/200.7/245.1   | Arsenic                   | 0.0050               | 0.025                   | 0.0819         | mg/L  | VJH 6/24/04  |
|                                                  | Cadmium                   | 0.0010               | 0.0050                  | ND             | mg/L  | VJH 6/24/04  |
|                                                  | Chromium                  | 0.0020               | 0.010                   | 0.0800         | mg/L  | VJH 6/24/04  |
|                                                  | Lead                      | 0.0030               | 0.015                   | 0.0358         | mg/L  | VJH 6/24/04  |
| <b>Volatile Organic Compounds</b>                |                           |                      |                         |                |       |              |
| DUNLOP 5 -Volatiles / EPA 624                    | 1,1,1-Trichloroethane     | 2.0                  | 10                      | ND             | ug/L  | RS 6/28/04   |
|                                                  | 1,1-Dichloroethane        | 2.0                  | 10                      | ND             | ug/L  | RS 6/28/04   |
|                                                  | 1,2-Dichloroethene        | 2.0                  | 10                      | ND             | ug/L  | RS 6/28/04   |
|                                                  | Benzene                   | 2.0                  | 10                      | ND             | ug/L  | RS 6/28/04   |
|                                                  | Methyl Ethyl Ketone (MEK) | 2.0                  | 10                      | ND             | ug/L  | RS 6/28/04   |
| <b>Wet Chemistry Procedures</b>                  |                           |                      |                         |                |       |              |
| Phenolics (wet chem) / EPA 420.1                 | Total Phenolics           | 0.0050               | 0.0050                  | ND             | mg/L  | RVF 6/28/04  |
| <i>end of sample 36294</i>                       |                           |                      |                         |                |       |              |



ND = Not Detected in Sample, less than Detection Limit (DL)  
 ~X.XX = Less than the quantitation limit (estimated value)  
 b = compound detected in blank  
 NYS DOH ELAP ID# 10954

Client: Goodyear Dunlop Tire NA, Ltd.  
 Project: NY406137.0.9543  
 Report Status: Final  
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## Sample Results

Sample ID: 6

Client: Goodyear Dunlop Tire NA, Ltd.

Lab Sample #: 36295

Report ID: NY406137.0.9543

Location: Well C5 / Field Grab - Ground Water

| Parameters / Method                              | Analyte                   | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analyst Date  |
|--------------------------------------------------|---------------------------|----------------------|-------------------------|----------------|-------|---------------|
| <b>Heavy Metals using Atomic Spectroscopy</b>    |                           |                      |                         |                |       |               |
| 4 Heavy Metals - Soluble / EPA 4.1.3/200.7/245.1 | Arsenic                   | 0.0050               | 0.025                   | ~0.0156        | mg/L  | VJH 6/24/04   |
|                                                  | Cadmium                   | 0.0010               | 0.0050                  | ND             | mg/L  | VJH 6/24/04   |
|                                                  | Chromium                  | 0.0020               | 0.010                   | ~0.00413       | mg/L  | VJH 6/24/04   |
|                                                  | Lead                      | 0.0030               | 0.015                   | ND             | mg/L  | VJH 6/24/04   |
| 4 Heavy Metals - Total / EPA 4.1.3/200.7/245.1   | Arsenic 25                | 0.0050               | 0.025                   | ~0.0172        | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Cadmium 16                | 0.0010               | 0.0050                  | ND             | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Chromium 66               | 0.0020               | 0.010                   | 0.0508         | mg/L  | VJH 6/24/04 ✓ |
|                                                  | Lead 50                   | 0.0030               | 0.015                   | 0.0378         | mg/L  | VJH 6/24/04 ✓ |
| <b>Volatile Organic Compounds</b>                |                           |                      |                         |                |       |               |
| DUNLOP 5 -Volatiles / EPA 624                    | 1,1,1-Trichloroethane     | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | 1,1-Dichloroethane        | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | 1,2-Dichloroethene        | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | Benzene                   | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
|                                                  | Methyl Ethyl Ketone (MEK) | 2.0                  | 10                      | ND             | ug/L  | RS 6/27/04    |
| <b>Wet Chemistry Procedures</b>                  |                           |                      |                         |                |       |               |
| Phenolics (wet chem) / EPA 420.1                 | Total Phenolics           | 0.0050               | 0.0050                  | 0.00700        | mg/L  | RVF 6/28/04   |
| end of sample 36295                              |                           |                      |                         |                |       |               |



ND = Not Detected in Sample, less than Detection Limit (DL)

~ X.XX = Less than the quantitation limit (estimated value)

b = compound detected in blank

NYS DOH ELAP ID# 10954

Client: Goodyear Dunlop Tire NA, Ltd.

Project: NY406137.0.9543

Report Status: Final

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**Chopra-Lee**  
 1815 Love Road  
 Grand Island, NY 14072  
 (716) 773-7625

## ANNUAL GROUNDWATER MONITORING - YEAR 10

June 22, 2004

# Dunlop Tire

Tonawanda, New York

Project LD. # 406137

| Monitoring Well I.D. | Evacuation Date | Monitoring Well Diameter | Water Level (ft.) | Bottom of Well (ft.) | Volume of Standing Water (gallons) | Volume of Evacuated Water (gallons) | Recharge Rate |
|----------------------|-----------------|--------------------------|-------------------|----------------------|------------------------------------|-------------------------------------|---------------|
| C - 1                | Not Sampled     | N/A                      | N/A               | N/A                  | N/A                                | N/A                                 | S             |
| C - 5                | 6/22/04         | 2                        | 4.50              | 29.40                | 4.00                               | 12.00                               | R             |
| C - 7                | 6/22/04         | 2                        | 3.60              | 23.40                | 3.20                               | 7.00                                | S             |
| OMW - A4             | 6/22/04         | 2                        | 7.00              | 25.50                | 3.00                               | 7.00                                | R             |
| OMW - A6             | Not Sampled     | N/A                      | N/A               | N/A                  | N/A                                | N/A                                 | S             |
| OMW - B3             | 6/22/04         | 2                        | 6.50              | 17.20                | 1.70                               | 5.10                                | R             |
| OMW - B4             | 6/22/04         | 2                        | 4.40              | 22.30                | 2.90                               | 7.00                                | S             |

### Abbreviations:

VS = Very Slow ----- Recharge Rate longer than 24 hr period.

S = Slow ----- Recharge Rate within 24 hr period.

R = Rapid ----- Recharge Rate within 1 hr period.

C = Continuous ---- Recharge Rate immediate.

N/R=Not required this event

  
 Field Technician

7-1-04  
 Date

## Sample Chain of Custody

| Submit Final Report To                 |                 | Project Name                     |      | 10 Day Turnaround                                                                    |                         |
|----------------------------------------|-----------------|----------------------------------|------|--------------------------------------------------------------------------------------|-------------------------|
| Dunlop Tire Corp.                      |                 | Groundwater Monitoring           |      | Time & Time Results Required                                                         |                         |
| PO Box 1109                            |                 | Client Ref:                      |      | 4                                                                                    |                         |
| Buffalo, New York 14240                |                 | Client Parties Order #           |      | # of Samples                                                                         |                         |
| Mark Craft                             |                 | 6-22-04                          |      | 16                                                                                   |                         |
| 879-8497 / 879-8400                    |                 | Date(s) Sampled                  |      | PAGE 1 OF 2                                                                          |                         |
| 879-8497 / 879-8400                    |                 | Remarks & Comments               |      | 8060's - NEK; Benzene; 1,1-Dichloroethane; 1,2-Dichloroethane; 1,1,1-Trichloroethane |                         |
| Sample #                               | Sample Location | Comp                             | Grab | Field Readings Required                                                              |                         |
| 40868                                  | Well B3         |                                  | X    |                                                                                      | 500mL glass (w/H2SO4)   |
| 40869                                  | Well B3         |                                  | X    |                                                                                      | 2 - 40mL vials (w/HCl)  |
| 40871                                  | Well B3         |                                  | X    |                                                                                      | 500mL plastic (w/HNO3)  |
| 40872                                  | Well B3         |                                  | X    |                                                                                      | 500mL plastic (chilled) |
| 40873                                  | Well B4         |                                  | X    |                                                                                      | 500mL glass (w/H2SO4)   |
| 40874                                  | Well B4         |                                  | X    |                                                                                      | 2 - 40mL vials (w/HCl)  |
| 40876                                  | Well B4         |                                  | X    |                                                                                      | 500mL plastic (w/HNO3)  |
| 40877                                  | Well B4         |                                  | X    |                                                                                      | 500mL plastic (chilled) |
| 40878                                  | Well C7         |                                  | X    |                                                                                      | 500mL glass (w/H2SO4)   |
| 40879                                  | Well C7         |                                  | X    |                                                                                      | 2 - 40mL vials (w/HCl)  |
| 40881                                  | Well C7         |                                  | X    |                                                                                      | 500mL plastic (w/HNO3)  |
| 40882                                  | Well C7         |                                  | X    |                                                                                      | 500mL plastic (chilled) |
| 40883                                  | Trip Blank      |                                  | X    |                                                                                      | 40mL vial (w/HCl)       |
| Sampled by: David Pate                 |                 | Date / Time: 6-22-04 1000 - 1330 |      | Submit To                                                                            |                         |
| Relinquished / Received by: David Pate |                 | Date / Time: 6-22-04 1400        |      | Chopra-Lee, Inc.                                                                     |                         |
| Relinquished / Received by:            |                 | Date / Time:                     |      | 1815 Love Road                                                                       |                         |
| Received by:                           |                 | Date / Time:                     |      | Grand Island, NY 14072                                                               |                         |
|                                        |                 |                                  |      | 716-773-7625 FAX 716-773-7624                                                        |                         |
|                                        |                 |                                  |      | NY #406137                                                                           |                         |

## Sample Chain of Custody

|                                                                                                                                                                                                        |                                   |                                                                                                                                                                                          |                                          |                                                                                                                              |                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Submit Final Report To</b><br>Dunlop Tire Corp.<br>10000 Kuylen<br>PO Box 1109<br>Buffalo, New York 14240<br>City, State Zip Code<br>Mark Craft<br>Great Basin<br>879-8497 / 879-8400<br>Home - Fax |                                   | <b>Project Name</b><br>Inactive Waste Sites 915018 A, B and C<br><b>Client Project</b><br>Groundwater Monitoring<br><b>Client Reference Order #</b><br>6-22-04<br><b>Details Sampled</b> |                                          | <b>10 Day Turnaround</b><br>Date & Time Results Required<br>2<br># of Samples<br># of Containers<br>10<br><b>PAGE 2 OF 2</b> |                                                                                                                           |
| <b>Remarks &amp; Comments</b><br>8280' S : HX; Barriers: 1,1-Dichloroethane;<br>1,2-Dichloroethane; 1,1,1-Trichloroethane                                                                              |                                   | <b>Field Readings Required</b>                                                                                                                                                           |                                          |                                                                                                                              |                                                                                                                           |
| <b>Sample #</b><br>40884                                                                                                                                                                               | <b>Sample Location</b><br>Well A4 | <b>Comp</b><br>Grab                                                                                                                                                                      | <b>Vol. (L)</b><br>500mL glass (w/H2SO4) | <b>Vol. (L)</b><br>2 - 40mL vials (w/HCl)                                                                                    | <b>Remarks &amp; Comments</b><br>8280' S : HX; Barriers: 1,1-Dichloroethane;<br>1,2-Dichloroethane; 1,1,1-Trichloroethane |
| 40885                                                                                                                                                                                                  | Well A4                           | X                                                                                                                                                                                        | X                                        | X                                                                                                                            | 500mL plastic (w/HNO3)                                                                                                    |
| 40887                                                                                                                                                                                                  | Well A4                           | X                                                                                                                                                                                        | X                                        | X                                                                                                                            | 500mL plastic (chilled)                                                                                                   |
| 40888                                                                                                                                                                                                  | Well A4                           | X                                                                                                                                                                                        | X                                        | X                                                                                                                            | 500mL glass (w/H2SO4)                                                                                                     |
| 40889                                                                                                                                                                                                  | Well C5                           | X                                                                                                                                                                                        | X                                        | X                                                                                                                            | 2 - 40mL vials (w/HCl)                                                                                                    |
| 40890                                                                                                                                                                                                  | Well C5                           | X                                                                                                                                                                                        | X                                        | X                                                                                                                            | 500mL plastic (w/HNO3)                                                                                                    |
| 40892                                                                                                                                                                                                  | Well C5                           | X                                                                                                                                                                                        | X                                        | X                                                                                                                            | 500mL plastic (chilled)                                                                                                   |
| 40893                                                                                                                                                                                                  | Well C5                           | X                                                                                                                                                                                        | X                                        | X                                                                                                                            | 500mL plastic (chilled)                                                                                                   |
| <b>Sampled by:</b> David R. L...                                                                                                                                                                       |                                   | <b>Date / Time:</b> 6-22-04 1000-1330                                                                                                                                                    |                                          | <b>Submit To</b><br>Chopra-Lee, Inc.<br>1815 Love Road<br>Grand Island, NY 14072<br>716-773-7625 FAX 716-773-7624            |                                                                                                                           |
| <b>Relinquished / Received by:</b> David R. L...                                                                                                                                                       |                                   | <b>Date / Time:</b> 6-22-04 1400                                                                                                                                                         |                                          | <b>CHOPRA-LEE Incorporated</b>                                                                                               |                                                                                                                           |
| <b>Relinquished / Received by:</b>                                                                                                                                                                     |                                   | <b>Date / Time:</b>                                                                                                                                                                      |                                          | <b>NY # 406137</b><br>C.U. Project Number                                                                                    |                                                                                                                           |
| <b>Received by:</b>                                                                                                                                                                                    |                                   | <b>Date / Time:</b> 6-22-04 2:10 PM                                                                                                                                                      |                                          | 9543                                                                                                                         |                                                                                                                           |

TABLE 3

LONG TERM MONITORING PLAN  
INACTIVE WASTE SITES 915018 A, B AND C  
DUNLOP TIRE CORPORATION  
GROUNDWATER ACTION LEVELS FOR DOWNGRADE WELLS

| PARAMETER                  | TYPE | ARAR <sup>1</sup> VALUE<br>(ppb) | OMW-B3<br>(ppb) | OMW-B4 <sup>2</sup><br>(ppb) | OMW-C5<br>(ppb) | OMW-C7<br>(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               |

VOC = Volatile Organic Compounds

MET = Metals

SEMI = Semivolatile Organic Compound

<sup>1</sup> NYSDEC Ambient Water Quality Standards and Guidance values, November 1991<sup>2</sup> Determined using existing data from OMW-B2

**TABLE 1**  
**SAMPLING SCHEDULE**  
**DUNLOP TIRE CORPORATION**  
**LONG TERM MONITORING PLAN**  
**INACTIVE WASTE SITES 915018 A, B AND C**

| Year  | Analytical<br>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  | 2               | Spring/Fall |
| 2,3   | B                      |                                    |    | 2            | 2  | 2  | 2  | 2  | 2               | Spring/Fall |
| 4,5   | B                      |                                    |    | 1            | 1  | 1  | 1  | 1  | 1               | Spring      |
| 6-9   | B                      |                                    |    | 1            | 1  |    |    |    | 1               | Spring      |
| 10    | B                      |                                    |    | 1            | 1  | 1  | 1  | 1  | 1               | Spring      |
| 11-14 | B                      |                                    |    | 1            | 1  |    |    |    | 1               | Spring      |
| 15    | B                      |                                    |    | 1            | 1  | 1  | 1  | 1  | 1               | Spring      |
| 16-19 | B                      |                                    |    | 1            | 1  |    |    |    | 1               | Spring      |
| 20    | B                      |                                    |    | 1            | 1  | 1  | 1  | 1  | 1               | Spring      |
| 21-24 | B                      |                                    |    | 1            | 1  |    |    |    | 1               | Spring      |
| 25    | B                      |                                    |    | 1            | 1  | 1  | 1  | 1  | 1               | Spring      |
| 26-29 | B                      |                                    |    | 1            | 1  |    |    |    | 1               | Spring      |
| 30    | B                      |                                    |    | 1            | 1  | 1  | 1  | 1  | 1               | Spring      |

START 1994  
 1<sup>st</sup> year = 1995  
 Jan 9  
 2003  
 Jan 10  
 2004

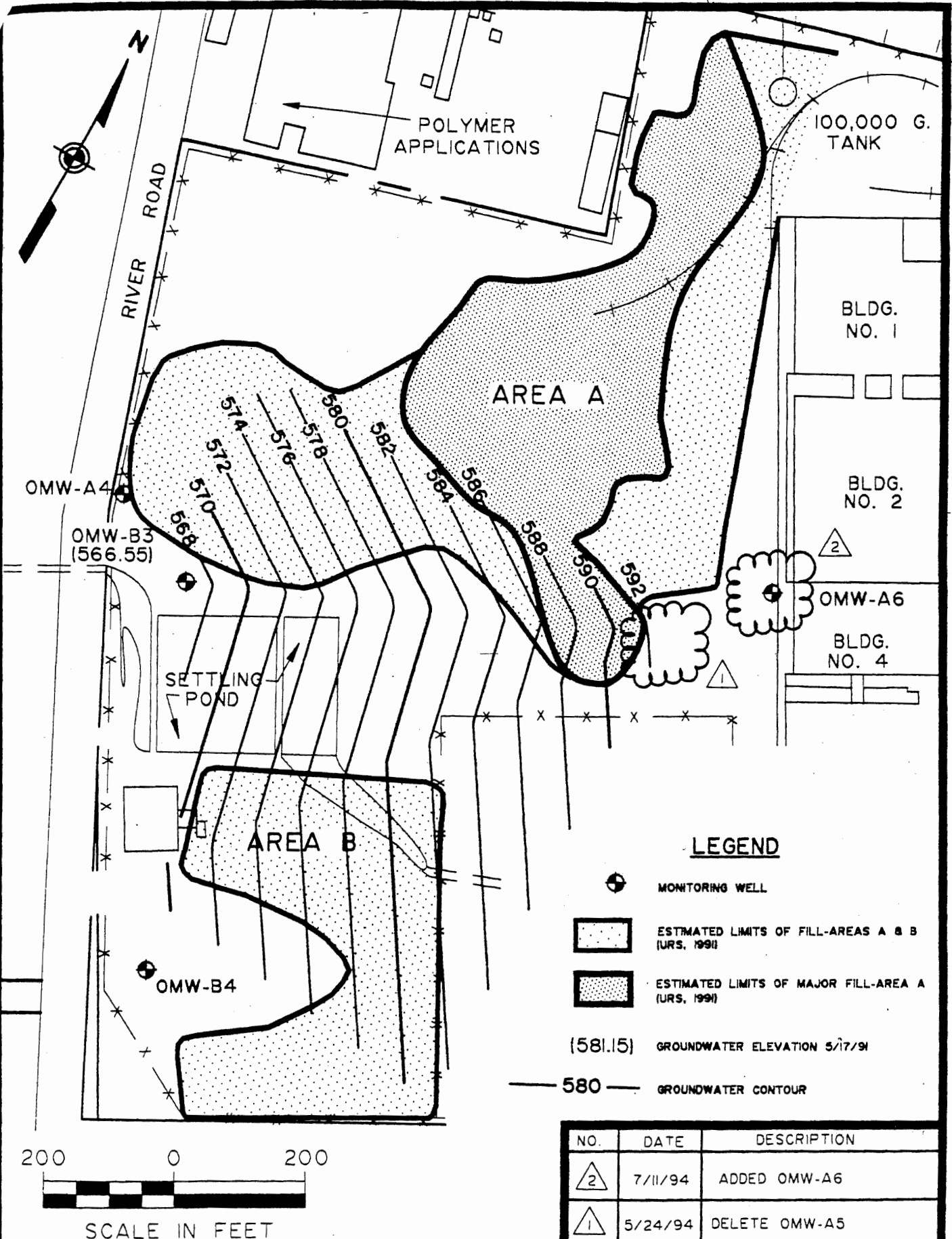
**\* Analytical Schedules**

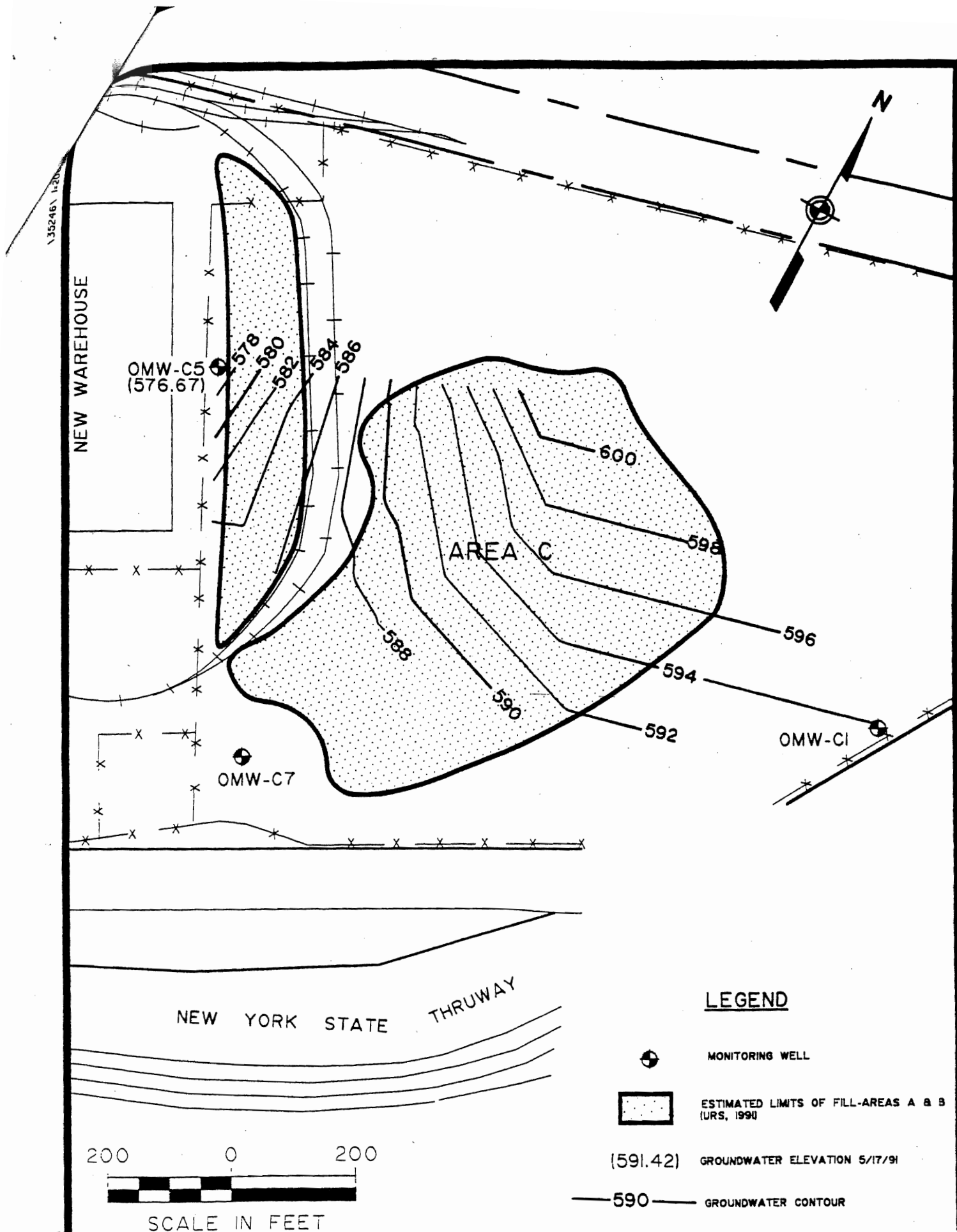
A - TCL Volatiles, TCL Semivolatiles, TAL Metals.

B - Volatiles: 2 Butanone (MEK), Benzene, 1,1 Dichloroethane, 1,2 Dichloroethane (total), 1,1,1 trichloroethane. Other compounds if detected at or above levels of concern in year 1 sampling.

Semi Volatiles: Total Phenols. Other compounds if detected at or above levels of concern in year 1 sampling.

Metals: Arsenic, Cadmium, Chromium, Lead. Other analytes if detected at or above levels of concern in year 1 sampling.





AC-4682A

**URS**  
CONSULTANTS, INC.

**LONG TERM MONITORING WELL LOCATIONS  
AREA C**

**FIGURE 3**

**GOODYEAR****DUNLOP TIRES NORTH AMERICA. Ltd.****FAX TRANSMISSION**DATE: 8/4/04Number of pages including cover sheet: 6TO: BRIAN SADOWSKI

Phone: \_\_\_\_\_

Fax phone: \_\_\_\_\_

CC: \_\_\_\_\_

FROM: M. CRAFTPhone: 829-8497Fax phone: 716-879-8400

REMARKS:



Urgent



For your review



Reply ASAP



Please comment

851-7226



AUG. 4. 2004 9:37AM -- CHOPRA-LEE

NO. 664 P. 2



## Groundwater Monitoring Information Sheet

Site Name: DUNLOP TIREDate: 6-22-04Monitoring Well ID 0<sup>mw</sup>-B4Sampling Date 6-22-04 @ 10:20

## Well Structure Data

Evacuation Date: 6-22-04 @ 10:00

Water Elevation: \_\_\_\_\_

Top of Inner Casing Elevation: \_\_\_\_\_

Bottom of Well: 22.3"Monitoring Well Diameter: 2"Volume of Standing Water 17.9' (2.9)Water Level: 4.4"Volume of Excavated Water 2.9 (10.0 GALLONS)Appearance/Observations CLOUDY BROWN

## Well Field Parameter Data

pH - Standard Units ~~7.56~~ 7.56Specific Conductance (umhos/cm) 3.85  $\frac{mS}{cm}$ Temperature - deg F 14°CTurbidity (ntu) 795

## Misc. Well Information

Was Well Locked? ☒ Yes ☐ NoPhysical Condition of Well ☒ Good ☐ Fair ☐ PoorWas Well I.D. Easily Visible? ☒ Yes ☐ NoSolids Content ☐ None ☒ Medium ☐ HighWeather on Sampling Day 65°F - CLOUDYPurging Method BAILERField Technician Signature David PortDate 6-22-04

7266-1000

AUG. 4. 2004 9:37AM

CHOPRA-LEE

NO. 664 P. 3



## Groundwater Monitoring Information Sheet

Site Name: DUNLOP TIREDate: 6-22-04Monitoring Well ID OMW-83Sampling Date 6-22-04 @ 1045

## Well Structure Data

Evacuation Date: 6-22-04

Water Elevation: \_\_\_\_\_

Top of Inner Casing Elevation: \_\_\_\_\_

Bottom of Well: 17.2'Monitoring Well Diameter: 2"Volume of Standing Water 10.7 (1.7)Water Level: 6.5Volume of Excavated Water 1.7 (5.1 GALLONS)Appearance/Observations CLOUDY

## Well Field Parameter Data

pH - Standard Units 6. ~~78~~ 91Specific Conductance (umhos/cm) 167,800Temperature - deg F 12°CTurbidity (ntu) 647

## Misc. Well Information

Was Well Locked? ☒ Yes ☐ NoPhysical Condition of Well ☒ Good ☐ Fair ☐ PoorWas Well I.D. Easily Visible? ☒ Yes ☐ NoSolids Content ☐ None ☒ Medium ☐ HighWeather on Sampling Day 65° CLOUDYPurging Method BAILDavid P. [Signature]

Field Technician Signature

6-23-04

Date

AUG. 4. 2004 9:37AM

CHOPRA-LEE

NO. 664 P. 4



## Groundwater Monitoring Information Sheet

Site Name: DUNLOP TIRE  
Date: 6-22-04Monitoring Well ID OMW-LSSampling Date 6-22-04

## Well Structure Data

Evacuation Date: 6-22-04 @ 1210

Water Elevation: \_\_\_\_\_

Top of Inner Casing Elevation: \_\_\_\_\_

Bottom of Well: 29.4'Monitoring Well Diameter: 2"Volume of Standing Water 24.9Water Level: 4.5'Volume of Excavated Water 4.3 (12.0) GALLONSAppearance/Observations TAN/GRANIT

## Well Field Parameter Data

pH - Standard Units 7.46Specific Conductance (umhos/cm) 2.6  $\frac{m}{cm}$ Temperature - deg F 14.0°CTurbidity (ntu) 900

## Misc. Well Information

Was Well Locked? ☒ Yes ☐ NoPhysical Condition of Well ☒ Good ☐ Fair ☐ PoorWas Well I.D. Easily Visible? ☒ Yes ☐ NoSolids Content ☐ None ☒ Medium ☐ HighWeather on Sampling Day 70° - SUNNYPurging Method BALUNField Technician Signature David [Signature]Date 6-22-04

AUG. 4. 2004 9:38AM

CHOPRA-LEE

NO. 664 P. 5



## Groundwater Monitoring Information Sheet

Site Name: DUNLOP TIRE  
Date: 6-22-04Monitoring Well ID 01W4Y  
Sampling Date 6-22-04

## Well Structure Data

Evacuation Date: 6-22-04 @ 1110

Water Elevation: \_\_\_\_\_

Top of Inner Casing Elevation: \_\_\_\_\_

Bottom of Well: 25.5'Monitoring Well Diameter: 2"Volume of Standing Water 18.5' (3.0)Water Level: 7.0"Volume of Excavated Water 3.0 x 3Appearance/Observations NOODY(7.0) GALLONS

## Well Field Parameter Data

pH - Standard Units 7.22Specific Conductance (umhos/cm) 9.52  $\mu$ S/cmTemperature - deg F 120E -Turbidity (ntu) 401

## Misc. Well Information

Was Well Locked? ☒ Yes ☐ NoPhysical Condition of Well ☒ Good ☐ Fair ☐ PoorWas Well I.D. Easily Visible? ☒ Yes ☐ NoSolids Content ☐ None ☒ Medium ☐ HighWeather on Sampling Day 65°F - LIGHT RAINPurging Method BAILINGDavid P. [Signature]  
Field Technician Signature6-23-04  
Date

AUG. 4. 2004 9:38AM

CHOPRA-LEE

NO. 664 P. 6



## Groundwater Monitoring Information Sheet

Site Name: DUNLOP TIRE  
Date: 6-22-04Monitoring Well ID OMW-C7Sampling Date 6-22-04

## Well Structure Data

Evacuation Date: 6-22-04

Water Elevation: \_\_\_\_\_

Top of Inner Casing Elevation: \_\_\_\_\_

Bottom of Well: 23.4'Monitoring Well Diameter: 2"Volume of Standing Water 19.8 (32)Water Level: 3.6'Volume of Excavated Water 3.2Appearance/Observations TAN/SLANGS7.0 GALLONS

## Well Field Parameter Data

pH - Standard Units 7.52Specific Conductance (umhos/cm) 3.74<sup>ms</sup>cmTemperature - deg F 14°CTurbidity (ntu) 806

## Misc. Well Information

Was Well Locked? ☒ Yes ☐ NoPhysical Condition of Well ☒ Good ☐ Fair ☐ PoorWas Well I.D. Easily Visible? ☒ Yes ☐ NoSolids Content ☐ None ☒ Medium ☐ HighWeather on Sampling Day 70° - SUNNYPurging Method BALMSant Pat

Field Technician Signature

6-23-04

Date

**GOODYEAR**  **DUNLOP TIRES NORTH AMERICA, Ltd.**

Plant Engineering Dept.

P. O. Box 1109  
Buffalo, NY  
14240-1109

From: Mark Craft      Ph: (716) 879-8497 Fax: (716) 879-8400

Number of pages including cover: 5

To: GLENN MAY  
Date: 8/16/04  
Subject: WELL TESTING

GLENN,

HERE'S THE RESULTS OF TESTING OF OUR WELLS B3 + B4.

PLEASE CALL ME AFTER YOU HAVE HAD A CHANCE TO REVIEW  
TO DISCUSS OUR NEXT ACTIONS.

THANK YOU,



# Laboratory Analysis Result Table

Client: Mark Craft  
Goodyear Dunlop Tire NA, Ltd.

Project: Groundwater Monitoring

Inactive Waste Sites 915018 A,B & C

PO Box 1109

Buffalo, NY 14240

Report Date: Wednesday, August 11, 2004

Report ID: NY406137.0.9823

PO# / Release# 394385 /

Reference #:

Report Status: Final

Phase:

Sample Date: Friday, August 06, 2004

Authorized Signature:

☒ Richard V. Finn, Laboratory Manager

☐ Paul S. Chopra, Laboratory Director

| Sample ID                                                                                                                                                      | Lab Sample # | Location / Description         | Analyte | Detection Limit (DL) | Quantitation Limit (QL) | Results | Units | Analyst | Date    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------|---------|----------------------|-------------------------|---------|-------|---------|---------|
| The following result table is for 2 samples received by Chopra-Lee, Inc. on 8/6/04 sampled by David Porter of Chopra-Lee, Inc. on 8/6/04. Also enclosed is the |              |                                |         |                      |                         |         |       |         |         |
| 137-0806-01                                                                                                                                                    | 37300        | Well B 3 / Field Grab - Liquid |         |                      |                         |         |       |         |         |
| Lead - Total                                                                                                                                                   |              | Lead                           |         | 0.0030               | 0.015                   | 0.0434  | mg/L  | VH      | 8/10/04 |
| EPA 4.1.3/200.7                                                                                                                                                |              |                                |         |                      |                         |         |       |         |         |
| end of sample 37300                                                                                                                                            |              |                                |         |                      |                         |         |       |         |         |
| 137-0806-02                                                                                                                                                    | 37301        | Well B 4 / Field Grab - Liquid |         |                      |                         |         |       |         |         |
| Arsenic - Total                                                                                                                                                |              | Arsenic                        |         | 0.0050               | 0.025                   | 0.0261  | mg/L  | VH      | 8/10/04 |
| EPA 4.1.3/200.7                                                                                                                                                |              |                                |         |                      |                         |         |       |         |         |
| end of sample 37301                                                                                                                                            |              |                                |         |                      |                         |         |       |         |         |

The results enclosed are submitted pursuant to Chopra-Lee, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. These results pertain only to the items tested. Unless notified in writing to return the samples covered by this report Chopra-Lee, Inc. will store what remains of the samples for a period of 15 days before discarding, unless otherwise required by law.



1815 Love Road

Grand Island

New York 14072

Tel: (716) 773-7625

Fax: (716) 773-7624

ND = Not Detected in Sample, less than Detection Limit (DL)

~X.XX = Less than the quantitation limit (estimated value)

b = compound detected in blank

NYS DOH ELAP ID# 10934

Client: Goodyear Dunlop Tire NA, Li

Project: NY406137.0.9823

Report Status: Final

Page: 1 of 1





N-# 406137



## Groundwater Monitoring Information Sheet

Site Name: DUNLOP TIREDate: 8-6-04Monitoring Well ID OMW-84Sampling Date 8-6-04 @ 1125

## Well Structure Data

Evacuation Date: 8-5-04 @ 1045

Water Elevation: \_\_\_\_\_

Top of Inner Casing Elevation: \_\_\_\_\_

Bottom of Well: 22.45'Monitoring Well Diameter: 2"Volume of Standing Water 15.25 (2.5')Water Level: 7.2'Volume of Excavated Water 2.5 x 3 = 7.5Appearance/Observations MUDDY BROWNACTUAL = 6.5 GALLONS

## Well Field Parameter Data

pH - Standard Units 7.27Specific Conductance (umhos/cm) 4.01  $\frac{ms}{cm}$ Temperature - deg F 10°C = 50°FTurbidity (ntu) 1090

## Misc. Well Information

Was Well Locked? ☒ Yes ☐ NoPhysical Condition of Well ☒ Good ☐ Fair ☐ PoorWas Well I.D. Easily Visible? ☐ Yes ☒ NoSolids Content ☐ None ☒ Medium ☐ HighWeather on Sampling Day 60°F PARTLY CLOUDYPurging Method BALLEN

Field Technician Signature

Date



## Groundwater Monitoring Information Sheet

Site Name: DUNLOP TIAFDate: 8-6-04Monitoring Well ID OMW-83Sampling Date 8-6-04 @ 1155

## Well Structure Data

Evacuation Date: 8-6-04 @ 1140

Water Elevation: \_\_\_\_\_

Top of Inner Casing Elevation: 2"Bottom of Well: 17.2'

Monitoring Well Diameter: \_\_\_\_\_

Volume of Standing Water 10.9' (1.8 GAL)Water Level: 6.31Volume of Excavated Water 1.8 x 3 = 5.4 GALAppearance/Observations BLACK TINTACT. = 5.4 GAL

## Well Field Parameter Data

pH - Standard Units 6.88Specific Conductance (umhos/cm) 1646  $\frac{ms}{cm}$ Temperature - deg F 10°C - 50°FTurbidity (ntu) 73

## Misc. Well Information

Was Well Locked? ☒ Yes ☐ NoPhysical Condition of Well ☒ Good ☐ Fair ☐ PoorWas Well I.D. Easily Visible? ☒ Yes ☐ NoSolids Content ☐ None ☒ Medium ☐ HighWeather on Sampling Day 60°F - PARTLY SUNNYPurging Method BALLOON

Field Technician Signature

8-6-04

Date