# Goodyear Dunlop Tires North America, Ltd.

July 11, 2003

Mr. Brian Sadowski
New York State Department of Environmental Conservation
272 Michigan Avenue
Buffalo, New York 14203-2999

**Re: Landfill Inspection & Well Testing for Inactive Sites No. 915018 A, B & C**

Dear Mr. Sadowski:

Attached find documented results of our landfill inspection as conducted by you and myself on 7/3/2003. Additionally, find analytical results of our well samples taken on 6/19/2003 by Chopra-Lee, Inc.

Both of the above reports indicate that the landfills are in very good condition and that the landfills are performing as designed with all levels of contaminants below groundwater action levels in the sampled downgradient wells.

Should you have any questions, please call me at 879-8536.

Sincerely,

Daniel T. Parshall
Energy/Environmental Eng.

cc: M. Kaczynski, GDTNA
G. May, NYSDEC

P.O. Box 1109 • Buffalo, NY 14240-1109 • 716-879-8200

# LANDFILL CONDITION - QUARTERLY INSPECTION REPORT

Date of Inspection: 7-3-03

Name of Inspector: Brian Sadowski, NYSDEC

| | Topsoil Erosion Occurring? | Clay Cap Erosion Occurring? | Ditches free of obstruction? | Grass cover adequate? | Paved areas intact? | Note any damage. |
|---|---|---|---|---|---|---|
| ***AREA "B"*** | | | | | | |
| Southern Area | N | N | Y | Y | | none noted |
| Northern Area | N | N | Y | Y | | good coverage |
| River Road Ditch | N | N | Y | Y | | clear |
| ***BORROW PIT*** | N | NA | NA | NA | | No standing water |
| ***AREA "A"*** | | | | | | |
| Central Area | N | N | Y | Y | | good coverage |
| Northeast Area | N | N | Y | Y | | No erosion noted |
| ***AREA "C"*** | | | | | | |
| Outlying Area | N | N | Y | Y | | none noted |
| Major Area | N | N | Y | Y | | |
| Ditch at toe of slope | N | N | Y | Y | | |
| Sheridan Drive Ditch | N | NA | Y | Y | | |
| Stockpile Area | N | N | Y | Y | | |
| Warehouse ditch | N | NA | Y | Y | | clear |
| ***PAVED AREAS*** | | | | | | |
| Parking lot | | | | | Y | See note |
| Driveway | | | | | Y | |

***WEATHER CONDITIONS:***

| | |
|---|---|
| Temperature | 83°F |
| Wind Direction | WSW |
| Wind Speed | 5 mph |
| Precipitation Amount | Nil |
| Sky Conditions | clear |
| Inches of Snow Cover | NA |

Describe any corrective action required:

Minor repair work required on driveway for Receiving Td "C" - Jack. Money/appropriation in process by Tom Williams, Jr.

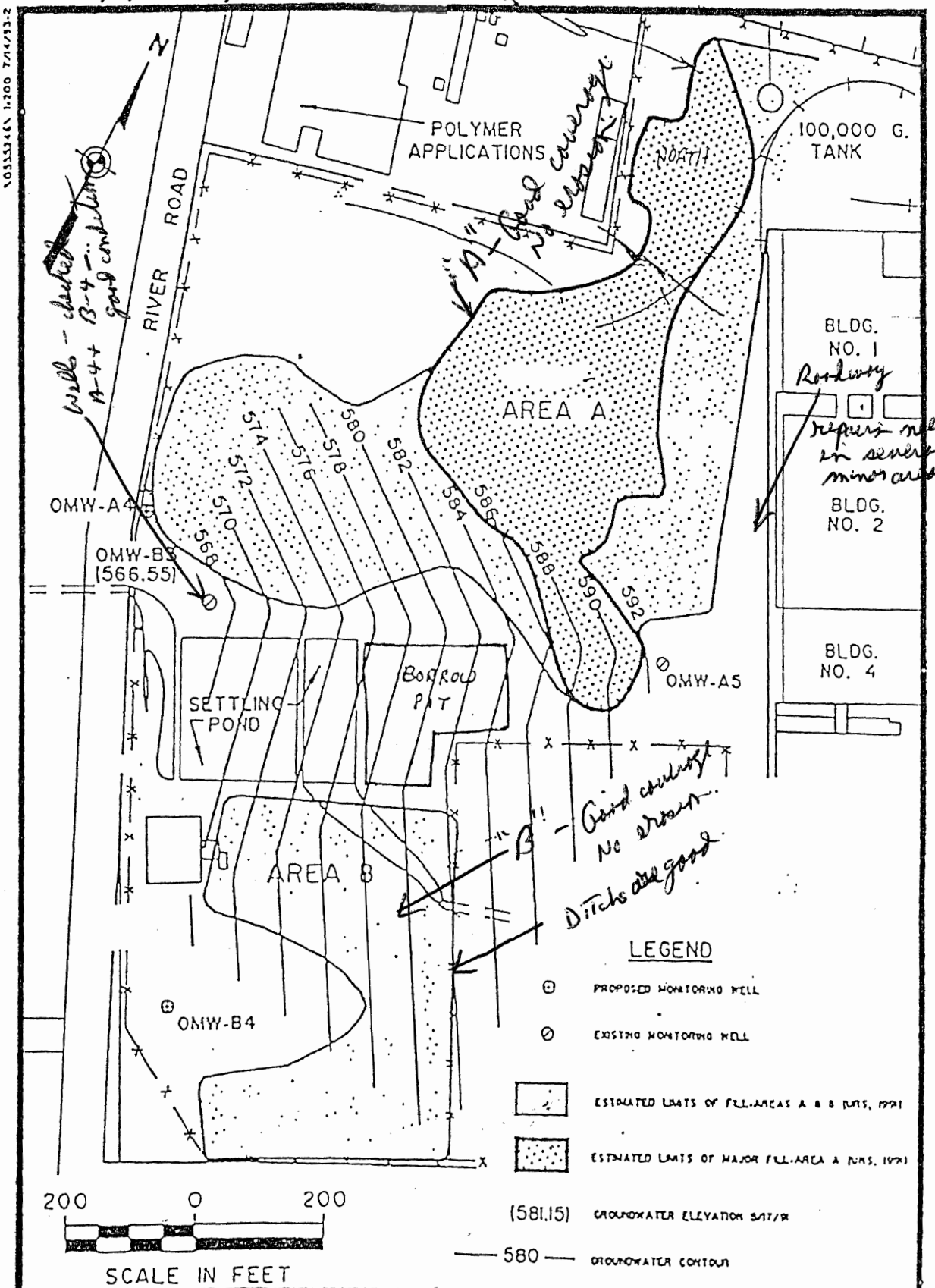
Describe any corrective action taken:

Asphalt repair

7-3-03

file: LANDINSP.xls

7/3/03 inspection w/ Brian Sadowski, NYSDEC




Wells - checked A-4+ B-4 - in good condition

B' - Good coverage No erosion

B'' - Good condition No erosion. Ditches are good

Roadway repairs needed in several minor areas

| URS CONSULTANTS, INC. | LONG TERM MONITORING WELL LOCATIONS AREAS A & B | FIGURE 1 |
|---|---|---|

7-3-03

7/3/03 inspection

1:200 3/23/93

w/ Brian Sadowski NYSDEC

N

ditch is good

well in good condition

Excellent coverage w/ no erosion noted

NEW WAREHOUSE

OMW-C5 (576.67)

578 580 582 584 586

600

598

596

594

592

590

588

AREA C

OMW-C7

OMW-C1

D. T. Richard 7-3-03

LEGEND

NEW YORK STATE THRUWAY

⊕ PROPOSED MONITORING WELL

⊘ EXISTING MONITORING WELL

ESTIMATED LIMITS OF FILL-AREAS A & B (URS, 1988)

(591.42) GROUNDWATER ELEVATION 5/17/91

—590— GROUNDWATER CONTOUR

200 0 200

SCALE IN FEET

AC-4662

URS CONSULTANTS, INC.

LONG TERM MONITORING WELL LOCATIONS
AREA C

FIGURE 2

CHOPRA·LEE

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

# Laboratory Analysis Report

Project: Groundwater Monitoring of
Inactive Waste Sites 915018 A, B and C

Ground Water samples of Wells 6/19/03

Phase:

Sample Date: Wednesday, March 19, 2003

Report Date: Wednesday, July 02, 2003

Report ID: NY206103.0.7026

PO #: 377335

Reference #:

Report Status: **Final**

performed at the request of: Dan Parshall
Goodyear Dunlop Tire NA, Ltd.

PO Box 1109
Buffalo, NY 14240

The enclosed sample results table(s) are for 4 sample(s) received by Chopra-Lee, Inc. on 06/19/2003 sampled by Orlando Denitto of Chopra-Lee, Inc. on 03/19/2003. Also enclosed is the chain of custody submitted with the samples.

Authorized Signature: Peiliang Shen

☑ Peiliang Shen, Manager Analytical Chemistry
☐ Paul S. Chopra, Laboratory Director

# Sample Results

Sample ID: 18787-18790 Client: Goodyear Dunlop Tire NA, Ltd.

Lab Sample #: ~~26782~~ Report ID: NY206103.0.7026

Location: Well B3 / Field Grab - Ground Water

| Parameters / Method | Analyte | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analysis Date |
|---|---|---|---|---|---|---|
| **Heavy Metals using Atomic Spectroscopy** | | *Turbidity Result 27.4* | | | | |
| Arsenic - Total / EPA 4.1.3/200.7 | Arsenic | 0.0050 | 0.025 | ~0.0133 | mg/L | 06/24/2003 |
| Cadmium - Total / EPA 4.1.3/200.7 | Cadmium | 0.0010 | 0.0050 | ~0.00369 | mg/L | 06/24/2003 |
| Chromium - Total / EPA 4.1.3/200.7 | Chromium | 0.0020 | 0.010 | ND | mg/L | 06/24/2003 |
| Lead - Total / EPA 4.1.3/200.7 | Lead | 0.0030 | 0.015 | ~0.00509 | mg/L | 06/24/2003 |
| **Volatile Organic Compounds** | | | | | | |
| DUNLOP 5 -Volatiles / EPA 624 | 1,1,1-Trichloroethane | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| | 1,1-Dichloroethane | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| | 1,2-Dichloroethene | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| | Benzene | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| | Methyl Ethyl Ketone (MEK) | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| **Wet Chemistry Procedures** | | | | | | |
| Phenolics (wet chem) / EPA 420.1 | Total Phenolics | 0.0050 | 0.0050 | ND | mg/L | 07/01/2003 |

*end of sample 26782*

CHOPRA-LEE

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

# Sample Results

Sample ID: 18791-18795 Client: Goodyear Dunlop Tire NA, Ltd.

Lab Sample #: 26783 Report ID: NY206103.0.7026

Location: Well B4 / Field Grab - Ground Water

| Parameters / Method | Analyte | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analysis Date |
|---|---|---|---|---|---|---|
| **Heavy Metals using Atomic Spectroscopy** | | *Turbidity Result 98.5* | | | | |
| Arsenic - Soluble / EPA 4.1.3/200.7 | Arsenic | 0.0050 | 0.025 | ~0.0241 | mg/L | 06/24/2003 |
| Arsenic - Total / EPA 4.1.3/200.7 | Arsenic | 0.0050 | 0.025 | ~0.0168 | mg/L | 06/26/2003 |
| Cadmium - Soluble / EPA 4.1.3/200.7 | Cadmium | 0.0010 | 0.0050 | ~0.00177 | mg/L | 06/26/2003 |
| Cadmium - Total / EPA 4.1.3/200.7 | Cadmium | 0.0010 | 0.0050 | ~0.00246 | mg/L | 06/24/2003 |
| Chromium - Soluble / EPA 4.1.3/200.7 | Chromium | 0.0020 | 0.010 | ND | mg/L | 06/26/2003 |
| Chromium - Total / EPA 4.1.3/200.7 | Chromium | 0.0020 | 0.010 | ~0.00961 | mg/L | 06/24/2003 |
| Lead - Soluble / EPA 4.1.3/200.7 | Lead | 0.0030 | 0.015 | ~0.00386 | mg/L | 06/26/2003 |
| Lead - Total / EPA 4.1.3/200.7 | Lead | 0.0030 | 0.015 | ~0.00705 | mg/L | 06/24/2003 |
| **Volatile Organic Compounds** | | | | | | |
| DUNLOP 5 -Volatiles / EPA 624 | 1,1,1-Trichloroethane | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| | 1,1-Dichloroethane | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| | 1,2-Dichloroethene | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| | Benzene | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| | Methyl Ethyl Ketone (MEK) | 2.0 | 10 | ND | ug/L | 06/29/2003 |
| **Wet Chemistry Procedures** | | | | | | |
| Phenolics (wet chem) / EPA 420.1 | Total Phenolics | 0.0050 | 0.0050 | ND | mg/L | 07/01/2003 |

*end of sample 26783*

# Sample Results

Sample ID: 18799-18800 Client: Goodyear Dunlop Tire NA, Ltd.

Lab Sample #: ~~26784~~ Report ID: NY206103.0.7026

Location: Well C7 / Field Grab - Ground Water

| Parameters / Method | Analyte | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analysis Date |
|---|---|---|---|---|---|---|
| **Heavy Metals using Atomic Spectroscopy** | | *Turbidity Result 338* | | | | |
| Arsenic - Soluble / EPA 4.1.3/200.7 | Arsenic | 0.0050 | 0.025 | **~0.0236** | mg/L | 06/26/2003 |
| Arsenic - Total / EPA 4.1.3/200.7 | Arsenic | 0.0050 | 0.025 | **~0.0164** | mg/L | 06/24/2003 |
| Cadmium - Soluble / EPA 4.1.3/200.7 | Cadmium | 0.0010 | 0.0050 | **~0.00160** | mg/L | 06/26/2003 |
| Cadmium - Total / EPA 4.1.3/200.7 | Cadmium | 0.0010 | 0.0050 | **~0.00429** | mg/L | 06/24/2003 |
| Chromium - Soluble / EPA 4.1.3/200.7 | Chromium | 0.0020 | 0.010 | **ND** | mg/L | 06/26/2003 |
| Chromium - Total / EPA 4.1.3/200.7 | Chromium | 0.0020 | 0.010 | **0.0648** | mg/L | 06/24/2003 |
| Lead - Soluble / EPA 4.1.3/200.7 | Lead | 0.0030 | 0.015 | **ND** | mg/L | 06/26/2003 |
| Lead - Total / EPA 4.1.3/200.7 | Lead | 0.0030 | 0.015 | **~0.00369** | mg/L | 06/24/2003 |
| **Volatile Organic Compounds** | | | | | | |
| DUNLOP 5 -Volatiles / EPA 624 | 1,1,1-Trichloroethane | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |
| | 1,1-Dichloroethane | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |
| | 1,2-Dichloroethene | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |
| | Benzene | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |
| | Methyl Ethyl Ketone (MEK) | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |
| **Wet Chemistry Procedures** | | | | | | |
| Phenolics (wet chem) / EPA 420.1 | Total Phenolics | 0.0050 | 0.0050 | **ND** | mg/L | 07/01/2003 |

*end of sample 26784*

CHOPRA-LEE

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

# Sample Results

Sample ID: 18801 Client: Goodyear Dunlop Tire NA, Ltd.

Lab Sample #: 26785 Report ID: NY206103.0.7026

Location: Trip blank / Trip Blank - Ground Water

| Parameters / Method | Analyte | Detection Limit (DL) | Quantitation Limit (QL) | Sample Results | Units | Analysis Date |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| DUNLOP 5 -Volatiles / EPA 624 | 1,1,1-Trichloroethane | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |
| | 1,1-Dichloroethane | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |
| | 1,2-Dichloroethene | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |
| | Benzene | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |
| | Methyl Ethyl Ketone (MEK) | 2.0 | 10 | **ND** | ug/L | 06/29/2003 |

*end of sample 26785*

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

## ANNUAL GROUNDWATER MONITORING - YEAR 6

**June 19, 2003**

# Dunlop Tire

**Tonawanda, New York**

**Project I.D. # 206103**

| 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 | N/R | 2 | N/A | 19.52 | N/A | N/A | S |
| C - 5 | N/R | 2 | N/A | 29.55 | N/A | N/A | R |
| C - 7 | 6/19/03 | 2 | 7.60 | 24.50 | 16.90 | 6.00 | S |
| OMW - A4 | N/R | 2 | N/A | 25.65 | N/A | N/A | R |
| OMW - A6 | N/R | 2 | N/A | 23.05 | N/A | N/A | S |
| OMW - B3 | 6/19/03 | 2 | 5.05 | 17.00 | 11.95 | 2.00 | R |
| OMW - B4 | 6/19/03 | 2 | 6.50 | 23.50 | 17.00 | 6.00 | 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 6/19/03 Date

# Sample Chain of Custody

**Submit Final Report To:**

Dunlop Tire Corp.
Organization Name

PO Box 1109
Street Address

Buffalo, New York 14240
City, State, Zip Code

Dan Parshall
Contact Person

879-8536 / 879-8400
Phone - Fax

Inactive Waste Sites 915018 A,B and C
Project Name

Groundwater Monitoring
Client Project

Client Purchase Order #

6-19-03
Date(s) Sampled

10 Day Turnaround
Date & Time Results Required

4
# of Samples

~~16~~ 15
# of Containers

E 0.0

| Sample # | Sample Location | Comp | Grab | Tot. Rec. Phenol | 8260 Vols. Specific* List (see remarks) | As, Cd, Cr, Pb | Sol. Metals if turb >50 As, Cd, Cr, Pb | Remarks & Comments / Field Readings Required |
|---|---|---|---|---|---|---|---|---|
| TURBIDITY - B3 = 27.4 | Well B3 | | X | X | | | 18787 | 500mL glass (w/H2SO4) |
| | Well B3 | | X | | X | | 18788 → 18789 | 2 - 40mL vials (w/HCL) |
| | Well B3 | | X | | | X | 18790 | 500mL plastic (w/HNO3) |
| | ~~Well B3~~ NO SAMPLE | | ~~X~~ | | | | | ~~500mL plastic (chilled)~~ |
| TURBIDITY - B4 = 98.5 | Well B4 | | X | X | | | 18791 | 500mL glass (w/H2SO4) |
| | Well B4 | | X | | X | | 18792 → 18793 | 2 - 40mL vials (w/HCL) |
| | Well B4 | | X | | | X | 18794 | 500mL plastic (w/HNO3) |
| | Well B4 | | X | | | | X 18795 | 500mL plastic (chilled) |
| TURBIDITY - C7 = 338 | Well C7 | | X | X | | | 18796 | 500mL glass (w/H2SO4) |
| | Well C7 | | X | | X | | 18797 → 18798 | 2 - 40mL vials (w/HCL) |
| | Well C7 | | X | | | X | 18799 | 500mL plastic (w/HNO3) |
| | Well C7 | | X | | | | X 18800 | 500mL plastic (chilled) |
| | Trip Blank | | X | | X | | 18801 | 40mL vial (w/HCL) |

Remarks & Comments
8260's : MEK; Benzene; 1,1-Dichloroethane; 1,2-Dichloroethene; 1,1,1-Trichloroethane

**Field Readings Required**

| | | |
|---|---|---|
| Sampled by: | | Date / Time: 6/19/03 ~ 10AM |
| Relinquished / Received by: | | Date / Time: 6/19/03 ~ 1330 hr |
| Relinquished / Received by: | | Date / Time: |
| Received by: | OL | Date / Time: 6/19/03 ~ 1335 hr |

**Submit To:**

CHOPRA-LEE Incorporated
Chopra-Lee, Inc.
1815 Love Road
Grand Island, NY 14072
716-773-7625 FAX 716-773-7624

NY 206103
CLI Project Number

*All samples submitted for analysis are subject to Chopra-Lee, Inc.'s standard terms & conditions for the sale of services*

NO. 481 P. 8

JUL. 7. 2003 9:27AM CHOPRA-LEE

0026

1815 Love Road
Grand Island, NY 14075
Phone: 716-773-7625
Fax: 716-773-7624

**Chopra Lee Inc.**

# Fax

To: Dan Parsham From: Doreen MacDougall

Fax: Pages: 18

Phone: Date: 7/7/03

Re: Stormwater & Groundwater CC:

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle