

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-9016
FOR TRC AT
FORMER INTERNATIONAL LIGHT METALS, TORRANCE
19200 S. WESTERN AVENUE
TORRANCE, CALIFORNIA**

**ORDER NO. R4-2005-0030 (SERIES NO. 035)
FILE NO. 06-001**

I. Monitoring and Reporting Requirements

- A. TRC Solutions, Inc. (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (February 7, 2006) under Regional Board Order No. R4-2005-0030. The Responsible Party for environmental liability at this site is the environmental consulting company TRC. TRC entered into a Liability Transfer Agreement with Lockheed Martin in 1999, and TRC is solely responsible for volatile organic compound remediation at the site. Prior to the initiation of quarterly monitoring, monitoring reports shall be submitted monthly by the 15th of the month following the reporting month, with the first report due February 15, 2006, for the first month of this remediation program. Baseline monitoring data must be included in this first monthly report. Following that, the first quarterly monitoring report under this program, for January – March 2006, shall be received at the Regional Board by April 15, 2006. Subsequent monitoring reports shall be received at the Regional Board according to the following schedule:

<u>Monitoring Period</u>	<u>Report Due</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15
Annual Summary Report	March 1 of each year beginning in 2007

- B. If there is no discharge or injection, during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.
- C. By March 1 of each year, starting in 2007, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements.

D. The Discharger shall comply with requirements contained in Section G. of Order No. R4-2005-0030 “*Monitoring and Reporting Requirements*” in addition to the aforementioned requirements.

II. Discharge Monitoring

The Discharger shall sample from the following groundwater monitoring wells for baseline groundwater parameters prior to the start of the remediation pilot test. Monitoring of the hydrogen releasing compound (HRC) remediation pilot test shall consist of samples collected from one monitoring well upgradient of the project area (P-1), one within the injection area (RW-3), and three dual screened monitoring wells down gradient of the injection area (PTM-1A/B, PTM-2A/B, and PTM-3A/B). Following the collection of baseline groundwater all of these wells (unless specifically noted otherwise) shall be monitored in accordance with the following discharge monitoring program:

<u>CONSTITUENT</u>	<u>UNITS</u>	<u>TYPE OF SAMPLE</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>
Total daily injection waste flow (total injection for all wells)	liters/day	In situ	Daily during injection
Chlorinated Volatile Organic Compounds (EPA Method 8260B)	µg/l	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Total Organic Carbon (EPA Method 9060 Modified)	µg/l	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Total dissolved solids and total suspended solids	mg/l	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Specific Conductivity	µmhos/cm	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Turbidity	NTU	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter

pH	pH units	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Oxidation-reduction potential	Millivolts	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Temperature	°F	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Groundwater Elevation ¹	Feet, mean sea level (msl) and below ground surface (bgs)	In situ	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Dissolved Oxygen	µg/l	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Major Anions (bromide, chloride, sulfate, nitrate, nitrite, O-phosphate, and sulfide)	µg/l	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Major Cations (barium, calcium, magnesium, potassium and sodium)	µg/l	Grab	<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
Total and hexavalent chromium			<ul style="list-style-type: none"> • Baseline • Weekly first month • Monthly second and third months • Quarterly thereafter
1,2,3 - trichloropropane			<ul style="list-style-type: none"> • Baseline • (Initial baseline background sample only unless significant concentration of this analyte is detected)

1,4 - dioxane			<ul style="list-style-type: none"> • Baseline • (Initial baseline background sample only unless significant concentration of this analyte is detected) •
Metals in priority pollutant scan ²	µg/L	Grab	<ul style="list-style-type: none"> • Baseline (Initial baseline background sample only unless significant concentrations of these analytes are detected)

Footnotes:

- 1) Groundwater elevation data will be collected from all monitoring wells during each monitoring event and a groundwater potentiometric surface map created from the data and provided in the monitoring reports.
- 2) Priority Pollutants are listed in Attachment A

III. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the ____ day of _____

at _____

_____(Signature)

_____(Title)"

IV. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger will be treated as confidential.

Ordered by: _____
Jonathan Bishop
Executive Officer

Date: February 7, 2006