

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

**MONITORING AND REPORTING PROGRAM NO. CI-9098
FOR
FORMER LANDOWNERS LIMITED PARTNERSHIP PROPERTY,
8020 DEERING AVENUE
CANOGA PARK, CALIFORNIA**

**ORDER NO. R4-2005-0030 (Series No. 046)
FILE NO. 06-217, Site ID NO. 2044T00**

I. Monitoring and Reporting Requirements

- A. The Northrop Grumman, Corporation (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (January 17, 2007) under Regional Board Order No. R4-2005-0030. Prior to injection, and for the first 3 months following the start of injection, reports shall be submitted monthly. Monthly monitoring reports shall be received by the Regional Board no later than the 15th of the month following the reporting month, with the first monthly report due February 15, 2007, for the first month (January) of this remediation program. Following the period of monthly reporting, quarterly monitoring reports must be submitted. Quarterly monitoring reports shall be received at the Regional Board no later than the 15th of the month following the reporting quarter. Quarterly 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 2006

- 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
- D. 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.

E. 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 project C-4 (up gradient of the test area), M-1B and C-19A (shallow and deep well pair within test area), C-21 and C-22 (shallow and deep well pair slightly across gradient to west), and C-23 and C-24 (shallow and deep down gradient pair) Following the collection of baseline groundwater all these wells 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	liters/day	In situ	Daily during injection
Chlorinated Volatile Organic Compounds (EPA Method 8260B)	µg/l	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Permanganate	µg/l	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Color (EPA Method 110.2)	Color unit	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Total Organic Carbon (EPA Method 9060 Modified)	µg/l	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Total dissolved solids and total suspended solids	mg/l	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Specific Conductivity	µmhos/cm	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter

Turbidity	NTU	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
pH	pH units	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Oxidation-reduction potential	Millivolts	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Temperature	°F	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • 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"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Dissolved Oxygen	µg/l	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • 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"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Major Cations (barium, calcium, magnesium, potassium and sodium)	µg/l	Grab	<ul style="list-style-type: none"> • Weekly first month (4 weeks) • Monthly second and third months • Quarterly thereafter
Metals in priority pollutant scan ² and hexavalent chromium	µg/L	Grab	<ul style="list-style-type: none"> • Initial 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: January 17, 2007