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

MONITORING AND REPORTING PROGRAM NO. CI-8328
NORTHROP GRUMMAN CORPORATION, NEWBURY PARK FACILITY
(MOLASSES SOLUTION INJECTION PILOT TEST)
(FILE NO. 94-018)

Northrop Grumman Corporation (hereafter "Discharger") shall implement this monitoring and Reporting Program (Program) on the effective date of this Order.

I. Discharge Monitoring

The Discharger shall sample from groundwater monitoring wells for baseline groundwater parameters two weeks prior to the start of the pilot test. Monitoring of the molasses solution Pilot Test shall consist of samples collected from two injection wells, and eight monitoring wells in the pilot study areas (MW-7, IRZ-M1, IRZ-M2, IRZ-M3, IRZ-M4, IRZ-M5, IRZ-B1, and MW-98). Monitoring wells shall be monitored for one year in accordance with the following discharge monitoring program:

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
Total daily injection waste flow	liters/day (to indicate solution concentration)	In situ	Daily during injection
Chlorinated Volatile Organic Compounds (EPA Method 8260)	mg/l	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter
Total Organic Carbon (EPA Method 9060 Modified)	mg/l	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter
Total dissolved solids (EPA Method 160.1)	mg/l	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter
Specific Conductivity	mhos/cm	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter

Turbidity	NTU	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter
PH	pH units	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter
Oxidation-reduction potential	Millivolts	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter
Temperature	$^{0}F/^{0}C$	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter
Groundwater Elevation	Feet, mean sea level (msl) and below ground surface (bgs)	*In situ*	• Weekly first month • Every two weeks second and third months • Monthly thereafter
Dissolved Oxygen	µg/l	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter
Major Anions (chloride, sulfate, nitrate, nitrite, total iron)	µg/l	grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter
Major Cations (manganese, potassium and sodium)	µg/l	Grab	• Weekly first month • Every two weeks second and third months • Monthly thereafter

Reporting and Laboratory Analyses

A. REPORTING REQUIREMENTS

1. In accordance with section 13267 of the California Water Code, the Discharger shall furnish, under penalty of perjury, technical monitoring reports to the Regional Board during the pilot test and during the post-test monitoring period.

2. The monitoring reports shall be submitted monthly by the 15th of the following month, with the first report due September 15, 2001.

3. All monitoring reports shall include discharge limitations in the Order (see A. Discharge Limits), tabulated analytical data, the chain of custody, laboratory report (including but not limited to date and time of sampling, date of analyses, method of analysis and detection limits). If there is no discharge, the report shall so state it.

4. Two months after the end of the field pilot test, the Discharger shall submit an interim summary report to the Regional Board to report findings during the field pilot test.

5. Six months after the end of the field pilot test, the Discharger shall submit a final summary report to the Regional Board to report the comprehensive findings observed during the pilot test and post-test monitoring period.

6. The report shall contain both tabular and graphical summaries of the monitoring data obtained prior to and proceeding the pilot test. 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 site's waste discharge requirements, if any.

B. LABORATORY ANALYSIS REQUIREMENTS

1. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services Environmental Laboratory Accreditation Program (ELAP) or approved by the Executive Officer.

2. Samples shall be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All quality assurance/quality control (QA/QC) items should be run on the same dates when samples were actually analyzed and documentation shall accompany the laboratory reports.

3. The detection limits employed for sample analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can demonstrates that a particular detection limit is not attainable and obtains approval for a higher detection limit from the Executive Officer.

III. Notification

1. The Discharger shall inform this Regional Board 24 hours before the start of the discharge.

2. The Discharger shall inform this Regional Board within 24 hours in the event that any discharge exceeds the discharge limit. Written confirmation shall follow within one week and shall include date and time, estimated volume and/or concentration, duration, cause, and all corrective actions taken.

3. The Discharger shall inform this Regional Board of the termination of the remediation project.

Ordered by: _____ Date: August 20, 2001
Dennis A. Dickerson
Executive Officer

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