



Los Angeles Regional Water Quality Control Board

July 18, 2019

Ms. Shantal Der Boghosian
Northrop Grumman Corporation
One Space Park
Redondo Beach, California 90278

Certified Mail
Return Receipt Required
Claim No. 7018 2290 0001 8905 2862

REVISED MONITORING AND REPORTING PROGRAM NO. CI-10341 – CANOGA PARK SITE, 8020 DEERING AVENUE, CANOGA PARK, CALIFORNIA (FILE NO. 17-054, ORDER NO. R4-2014-0187, SERIES NO. 101, CI-10341, GLOBAL ID. WDR100039689)

Dear Ms. Boghosian:

On August 1, 2017, the Los Angeles Regional Water Quality Control Board (Regional Water Board) enrolled Northrop Grumman Corporation (Discharger) under General Waste Discharge Requirements (WDR) for In-Situ Groundwater Remediation and Groundwater Re-injection, Order No. R4-2014-0187, with Monitoring and Reporting Program (MRP) No. CI-10341 for re-injection of treated groundwater as part of the groundwater remediation of volatile organic compounds at the subject site.

The Discharger submitted the *Request for Modification to Monitoring and Reporting Program Under Waste Discharge Requirements (WDR) Order for Groundwater Reinjection System* (Request) dated June 12, 2019 to propose the following modifications:

- Extend the re-injection system operation under the WDR through the end of 2021.
- Add extraction well EW-1D to the re-injection system.
- Reduce groundwater monitoring frequency from monthly to quarterly.

Based on our review of the information submitted, the Discharger is authorized to use an additional extraction well EW-1D and re-inject treated groundwater through the end of 2021. The treated groundwater shall meet California Maximum Contaminant Levels and Drinking Water Notification Levels.

Furthermore, the groundwater monitoring results from the Third Quarter 2017 to the First Quarter 2019 indicated that concentrations of constituents of concern have shown decreasing trends during the re-injection system operation and groundwater quality data have been relatively stable from pre-injection through post-injection groundwater sampling events. Therefore, groundwater monitoring frequency can be reduced from monthly to quarterly.

IRMA MUÑOZ, CHAIR | RENEE PURDY, EXECUTIVE OFFICER

320 West 4th St., Suite 200, Los Angeles, CA 90013 | www.waterboards.ca.gov/losangeles



The revised MRP, which incorporates reduction of monitoring and reporting frequency, is enclosed. The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the revised MRP, including groundwater monitoring data, discharge location data, and pdf monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100039689. Please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

For all parties who upload electronic documents to the State database GeoTracker, it is no longer necessary to email a copy of these documents to losangeles@waterboards.ca.gov or submit hard copies to our office. The Regional Water Board will no longer accept documents (submitted by either hard copy or email) already uploaded to GeoTracker. Please see Electronic Submittal to the Los Angeles Regional Water Board for GeoTracker Users dated December 12, 2011 at: <http://www.waterboards.ca.gov/losangeles/resources/Paperless/Paperless%20Office%20for%20OGT%20Users.pdf>

To avoid paying future annual fees, please submit a written request for termination of your enrollment under the general WDR in a separate letter when the project is completed and the WDR is no longer needed. Be aware that the annual fee covers the fiscal year billing period beginning July 1 and ending June 30, the following year. You will pay the full annual fee if your request for termination is made after the beginning of the new fiscal year beginning July 1.

If you have any questions, please contact the Project Manager, Dr. Ann Chang at (213) 620-6122 (ann.chang@waterboards.ca.gov), or the Chief of Groundwater Permitting Unit, Dr. Eric Wu at (213) 576-6683 (eric.wu@waterboards.ca.gov).

Sincerely,


Renee Purdy
Executive Officer

Enclosure: Revised Monitoring and Reporting Program No. CI-10341 dated July 18, 2019

cc: Mr. Matthew Nelson, Orion Environmental Inc.

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

REVISED MONITORING AND REPORTING PROGRAM NO. CI-10341
FOR
CANOGA PARK SITE
8020 DEERING AVENUE, CANOGA PARK, CALIFORNIA

ENROLLMENT UNDER REGIONAL WATER BOARD
ORDER NO. R4-2014-0187 (SERIES NO. 101)
FILE NO. 17-054

I. MONITORING AND REPORTING REQUIREMENTS

- A. Northrop Grumman Corporation (hereinafter Discharger) shall implement this Monitoring and Reporting Program (MRP) on the effective date (July 18, 2019) under Regional Water Board Order No. R4-2014-0187. The next monitoring report shall be received at the Regional Water Board by **October 30, 2019**. Subsequent monitoring reports shall be received at the Regional Water Board according to the following schedule:

<u>Monitoring Period</u>	<u>Report Due</u>
January – March	April 30
April – June	July 30
July – September	October 30
October – December	January 30

- B. If there is no discharge or injection, during any reporting period, the report shall so state. By March 1 of each year, the Discharger shall submit an annual summary report to the Regional Water 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.
- C. The Discharger shall comply with requirements contained in Section G of Regional Water Board Order No. R4-2014-0187 “*Monitoring and Reporting Requirements*”.

II. DISCHARGE MONITORING PROGRAM

The monitoring reports shall contain the following information regarding the injection activities:

1. Location map showing injection points used for re-injection of treated groundwater.
2. Written and tabular summary defining depth of discharge points, quantity of treated groundwater re-injected at each injection point per day, and a summary describing the days on which the system is in operations.
3. The Discharger shall conduct a monitoring program on treated groundwater effluent before re-injecting it to the aquifer. Treated groundwater samples shall be collected for the following chemical analyses:

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
Total Dissolved Solids	mg/L	grab	Monthly
Sulfate	mg/L	grab	Monthly
Chloride	mg/L	grab	Monthly
Boron	mg/L	grab	Monthly
Volatile Organic Compounds	µg/L	grab	Monthly

III. GROUNDWATER MONITORING PROGRAM

A groundwater monitoring program shall be implemented to evaluate impacts associated with the injection activity. Groundwater samples shall be collected from monitoring wells C-1, C-2, C-7, C-21, C-30, C-31, C-33, C-34, and C-37 (Figure 1). The Discharger shall conduct quarterly sampling from all nine monitoring wells for the following groundwater parameters:

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
Dissolved Oxygen	mg/L	grab	Quarterly
Oxidation-Reduction Potential	millivolts	grab	Quarterly
pH	pH units	grab	Quarterly
Specific Conductivity	mS/cm	grab	Quarterly
Temperature	°C	grab	Quarterly
Turbidity	NTU	grab	Quarterly
Total Organic Carbon	mg/L	grab	Quarterly
Total Dissolved Solids	mg/L	grab	Quarterly
Sulfate	mg/L	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly
Nitrate and Nitrite	mg/L	grab	Quarterly
Volatile Organic Compounds	µg/L	grab	Quarterly

All groundwater monitoring reports must include, at a minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification;
- c. Observation of groundwater levels, recorded to 0.01 feet mean sea level and groundwater flow direction.

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.

V. 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)"

VI. PUBLIC DOCUMENTS

All records and reports submitted in compliance with Regional Water Board Order No. R4-2014-0187 and Monitoring and Reporting Program No. CI-10341 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.

Canoga Park Site
WDR Order No. R4-2014-0187
Revised Monitoring and Reporting Program No. CI-10341

VII. ELECTRONIC SUBMITTAL OF INFORMATION

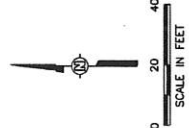
The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including groundwater monitoring data in Electronic Deliverable Format, discharge location data, and searchable Portable Document Format of monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100039689.

Ordered by: 
Renee Purdy
Executive Officer

Date: July 18, 2019



- Legend**
- C-10 Monitoring Wells
 - IN-45 Injection Well
 - EM-15 Extraction Well
 - Property Boundary
 - Approximate Groundwater Flow Direction



NO.	DATE	DESCRIPTION
1	MAY 01/2018	2018 WDR Report

ORION ENVIRONMENTAL, INC.		PROJECT NO.	DATE	SCALE	FIGURE NO.
8020 DEERING AVENUE, CANOGA PARK		02CAN15H710100.dwg	MAY	1" = 40'	FIGURE 1
GROUNDWATER INJECTION STUDY AREA		DRAWN BY	CHECKED BY	DATE	SCALE
		02CAN15H710100.dwg	CO		JPG