



EDMUND G. BROWN JR.  
GOVERNOR

MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## Los Angeles Regional Water Quality Control Board

July 6, 2018

Ms. Sara Osterman  
Masco Corporation  
21001 Van Born Street  
Taylor, Michigan 48180

Certified Mail  
Return Receipt Required  
Claim No. 7017 1450 0002 1559 0829

**REVISED MONITORING AND REPORTING PROGRAM NO. CI-10247 – FORMER CAL-STYLE FURNITURE MANUFACTURING FACILITY, 18744 SOUTH REYES AVENUE, COMPTON, CALIFORNIA (FILE NO. 16-074, ORDER NO. R4-2014-0187, SERIES NO. 074, CI-10247, GLOBAL ID. WDR 100039477)**

Dear Ms. Osterman:

On September 14, 2016, the California Regional Water Quality Control Board, Los Angeles Region (Regional Board) enrolled you under General Waste Discharge Requirements (WDR Order No. R4-2014-0187) with a Monitoring and Reporting Program (MRP) No. CI-10247 to inject emulsified vegetable oil, lactate, and bioaugmentation culture for groundwater remediation of volatile organic compounds (VOCs) at the subject site. The February 2018 groundwater monitoring results indicated that trichloroethylene (TCE), cis-1,2-dichloroethylene, and vinyl chloride were detected at concentrations up to 390 micrograms per liter ( $\mu\text{g/L}$ ), 500  $\mu\text{g/L}$ , and 200  $\mu\text{g/L}$ , respectively.

On behalf of Masco Corporation, Geosyntec Consultants, Inc. submitted a *Work Plan for Supplemental Enhanced Monitored Natural Attenuation Injections* (Work Plan) dated May 2, 2018 to propose further treatment of the VOCs plume, targeting wells where TCE or its reductive dechlorination daughter products are present at concentrations exceeding 100  $\mu\text{g/L}$ . On May 7, 2018, Regional Board Site Cleanup Unit staff approved the Work Plan.

It is estimated that 38,400 gallons of amendment solution containing 6,240 pounds of emulsified vegetable oil, 3,120 pounds of lactate, and 12 liters of bioaugmentation culture (*Dehalococcoides sp.*) will be injected into 12 injection points at depths from approximately 45 to 55 feet below ground surface. The injection activities are expected to take approximately two weeks.

The proposed discharge shall not cause the mineral constituents of the receiving groundwater at the compliance point, downgradient outside the application area, in excess of applicable limits (Central Basin of the Los Angeles Coastal Plain Groundwater Basin) given in Attachment B of General WDRs Order No. R4-2014-0187. The groundwater quality objectives are 700 milligrams per liter (mg/L) for total dissolved solids, 250 mg/L for sulfate, 150 mg/L for chloride, and 1.0 mg/L for boron.

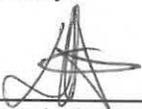
The revised MRP, which incorporates the further treatment of the VOC plume, is enclosed. The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the revised MRP, including groundwater monitoring data, discharge location data, and pdf monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100039477. 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 State Database GeoTracker, it is no longer necessary to email a copy of these documents to [losangeles@waterboards.ca.gov](mailto:losangeles@waterboards.ca.gov) or submit hard copies to our office. The Regional 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 Board for GeoTracker Users dated December 12, 2011 at: <http://www.waterboards.ca.gov/losangeles/resources/Paperless/Paperless%20Office%20for%20GT%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](mailto:ann.chang@waterboards.ca.gov)), or the Chief of Groundwater Permitting Unit, Dr. Eric Wu at (213) 576-6683 ([eric.wu@waterboards.ca.gov](mailto:eric.wu@waterboards.ca.gov)).

Sincerely,



Deborah J. Smith  
Executive Officer

Enclosures: Revised Monitoring and Reporting Program No. CI-10247 dated July 6, 2018

cc: Mr. Eric Suchomel, Geosyntec Consultants

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

REVISED MONITORING AND REPORTING PROGRAM NO. CI-10247  
FOR  
FORMER CAL-STYLE FURNITURE MANUFACTURING FACILITY  
18744 SOUTH REYES AVENUE, COMPTON, CALIFORNIA

ENROLLMENT UNDER REGIONAL BOARD  
ORDER NO. R4-2014-0187 (SERIES NO. 074)  
FILE NO. 16-074

I. MONITORING AND REPORTING REQUIREMENTS

- A. Masco Corporation (hereinafter Discharger) shall implement this Monitoring and Reporting Program (MRP) on the effective date (July 6, 2018) under Regional Board Order No. R4-2014-0187. The next monitoring report shall be received at the Regional Board by **October 30, 2018**. 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 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 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 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 emulsified vegetable oil, lactate, and bioaugmentation culture.
2. Written and tabular summary defining depth of injection points, quantity and concentration of emulsified vegetable oil, lactate, and bioaugmentation culture injected at each injection point, and total amount of emulsified vegetable oil, lactate, and bioaugmentation culture injected at the Site.
3. Visual inspection at each injection point shall be conducted and recorded during the injection.

**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 EW-1, MW-R1S, MW-R6S, MW-R8S, MW-R9S, and PM-1 (Figure 1). The Discharger shall conduct a baseline sampling prior to the proposed injection, followed by a monitoring frequency specified in the schedule below from all six monitoring wells for the following groundwater parameters:

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
Dissolved Oxygen	mg/L	grab	Baseline and quarterly after injection
Oxidation-Reduction Potential	millivolts	grab	Baseline and quarterly after injection
pH	pH units	grab	Baseline and quarterly after injection
Specific Conductivity	mS/cm	grab	Baseline and quarterly after injection
Temperature	°C	grab	Baseline and quarterly after injection
Turbidity	NTU	grab	Baseline and quarterly after injection
Total Organic Carbon	mg/L	grab	Baseline and quarterly after injection

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
Total Dissolved Solids	mg/L	grab	Baseline and quarterly after injection
Sulfate	mg/L	grab	Baseline and quarterly after injection
Chloride	mg/L	grab	Baseline and quarterly after injection
Boron	mg/L	grab	Baseline and quarterly after injection
Nitrate and Nitrite	mg/L	grab	Baseline and quarterly after injection
Volatile Organic Compounds	µg/L	grab	Baseline and quarterly after injection
Dissolved Gases (methane, ethane, and ethene)	µg/L	grab	Baseline and quarterly after injection
<i>Dehalococcoides</i> species	cells/mL	grab	Baseline and quarterly after injection

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 Board Order No. R4-2014-0187 and Monitoring and Reporting Program No. CI-10247 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.

**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 WDR100039477.

Ordered by:

*for*   
Deborah J. Smith  
Executive Officer

Date: July 6, 2018



- Legend**
- MW-R3S Groundwater Monitoring Well
  - EW-1 Extraction Well
  - Proposed Enhanced Monitored Natural Attenuation (MNA) Injection Location

- Property Line
- Former "Reyes" Clarifier



**Proposed Injection Locations**  
 Former Reyes Clarifier Area  
 Cal-Style Furniture Manufacturing Company  
 18744 South Reyes Ave., Rancho Dominguez, CA

**Geosyntec**  
 consultants

**Figure**  
 1

Aerial Source: Google Earth Pro, July 2008

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April 2018