

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2011-0088

for

MGM BRAKES ASSEMBLY PLANT SITE
1184 South Cloverdale Boulevard

Cloverdale, California

Sonoma County

This Monitoring and Reporting Program (MRP) is issued pursuant to California Water Code Section 13267(b). The MRP outlines site specific requirements to monitor the treatment system influent, effluent, and receiving water to demonstrate compliance with Waste Discharge Requirements Order No. R1-2011-0028, (Order). This order is a National Pollution Discharge Elimination System (NPDES) General Permit for *Discharges of Highly Treated Groundwater to Surface Waters Following Extraction and Treatment of Groundwater Polluted with Petroleum Hydrocarbons and Volatile Organic Compounds*.

Monitoring Locations

Treatment System Influent – M-INF – Untreated groundwater at a point in the groundwater collection system immediately prior to treatment.

Discharge Point 001 – M-001 - Treated effluent after treatment and before contact with the receiving water and/or dilution by any other water or waste.

Receiving Water 002 – R-002 – Receiving water at an appropriate monitoring location downstream of the point of discharge that adequately represents downstream water quality.

Influent Monitoring

Discharger shall monitor untreated groundwater/influent to the treatment facility at the monitoring location M-INF for 001 in accordance to the following schedule:

- Flow (gpd) - daily
- Volatile Organic Compounds (ug/l) - monthly by US EPA 8260
trichloroethene (TCE)
cis-1,2 dichloroethene (cis-1,2 DCE)
trans-1,2 dichloroethene (trans-1,2 DCE)
vinyl chloride (VC)
- Petroleum Hydrocarbons (ug/l) - monthly - by US EPA 8015m
total petroleum hydrocarbons as gasoline (TPHg)

Effluent Monitoring

Discharger shall monitor treated effluent at monitoring location M-001 in accordance to the following schedule:

- Flow (gpd) - daily
- Temperature(°C) - monthly
- pH – monthly
- Dissolved oxygen (mg/L) - monthly
- Volatile Organic Compounds (ug/l) - monthly - by US EPA 8260
 - trichloroethene (TCE)
 - cis-1,2 dichloroethene (cis-1,2 DCE)
 - trans-1,2 dichloroethene (trans-1,2 DCE)
 - vinyl chloride (VC)
- Petroleum Hydrocarbons (ug/l) - monthly - by US EPA 8015m
 - total petroleum hydrocarbons as gasoline (TPHg)
- Acute Toxicity (pass/fail) - annually
- Chronic Toxicity (TUc) - annually

Receiving Water Monitoring

Discharger shall monitor the receiving water downstream from the effluent (R-002) in accordance to the following schedule:

- Temperature(°C) - monthly
- pH – monthly
- Dissolved oxygen (mg/L) - monthly
- Turbidity (NTU) - monthly

Reporting Requirements

Self monitoring reports (SMRs) shall be submitted quarterly with an annual report submitted on February 1, following each calendar year as follows:

<u>Reporting Period</u>	<u>Due Date</u>
1 st Quarter (January, February, March)	May 1
2 nd Quarter (April, May, June)	August 1
3 rd Quarter (July, August, September)	November 1
4 th Quarter (October, November, December)	February 1

All monitoring reports, data, and depth to groundwater measurements shall also be electronically submitted to the State Water Resources Control Board's Geographic Environmental Information Management System database (GeoTracker) as required by Title 23, Division 3, Chapter 16, Article 12 of the California Code of Regulations (AB2886 electronic reporting requirements).

Ordered By _____

Catherine Kuhlman
Executive Officer

August 11, 2011

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