

EDMUND G. BROWN JR.  
GOVERNOR

MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## Los Angeles Regional Water Quality Control Board

October 10, 2012

Mr. Peter Muzzunigro  
Micro Matic USA, Inc.  
19791 Bahama Street  
Northridge, California 91324

**REVISED MONITORING AND REPORTING PROGRAM NO. CI-8777 – MICRO MATIC USA, INC., 19791 BAHAMA STREET, NORTHRIDGE, CALIFORNIA (FILE NO. 95-059, ORDER NO. R4-2007-0019, SERIES NO. 084, CI-8777, GLOBAL ID. WDR100000498)**

Dear Mr. Muzzunigro:

On March 5, 2009, Los Angeles Regional Water Quality Control Board (Regional Board) enrolled you under general Waste Discharge Requirements (WDR Order No. R4-2007-0019) with a Monitoring and Reporting Program (MRP) No. CI-8777 for injection of ozone for groundwater remediation of volatile organic compounds (VOCs).

On behalf of Micro Matic USA, Inc., Brown and Caldwell Constructors submitted the *Work Plan to Modify the Downgradient Treatment Line, Install Three Monitoring Wells in the Source Area, and Install an Ozone System for the Mid Plume* (Work Plan) dated September 13, 2012 for expansion of the ozone injection system. The Work Plan proposes installation of 13 additional ozone sparge wells in the downgradient area, installation of an air booster pump to increase flow rate, and installation of an additional ozone sparge unit for the mid plume area. On September 24, 2012, the Regional Board staff approved the Work Plan.

Ozone will be injected at a maximum concentration of 12,000 parts per million by volume and at a total flow rate up to 50 cubic feet per minute, into the shallow aquifer between approximately 65 and 75 feet below ground surface through 85 sparge wells. The ozone sparge units will continuously cycle through all the sparge wells for different period of time.

The revised MRP, which incorporates the proposed modification, is enclosed. Please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including groundwater monitoring data, discharge location data, and pdf monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100000498. ESI training video is available at: <https://waterboards.webex.com/waterboards/ldr.php?AT=pb&SP=MC&rID=44145287&rKey=7dad4352c990334b>

MARIA MEHRANIAN, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

320 West 4th St., Suite 200, Los Angeles, CA 90013 | [www.waterboards.ca.gov/losangeles](http://www.waterboards.ca.gov/losangeles)


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 for further details 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 ([achang@waterboards.ca.gov](mailto:achang@waterboards.ca.gov)), or the Chief of Groundwater Permitting Unit, Dr. Eric Wu at (213) 576-6683 ([ewu@waterboards.ca.gov](mailto:ewu@waterboards.ca.gov)).

Sincerely,

  
Samuel Unger, P.E.  
Executive Officer

Enclosure: Revised Monitoring and Reporting Program No. CI-8777 dated October 10, 2012

cc: Mr. Jim Nguyen, Brown and Caldwell Constructors

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

REVISED MONITORING AND REPORTING PROGRAM NO. CI-8777  
FOR  
MICRO MATIC USA, INC.  
19791 BAHAMA STREET, NORTHRIDGE, CALIFORNIA

ENROLLMENT UNDER REGIONAL BOARD  
ORDER NO. R4-2007-0019 (SERIES NO. 084)  
FILE NO. 95-059

I. MONITORING AND REPORTING REQUIREMENTS

- A. Micro Matic USA, Inc. (hereinafter Discharger) shall implement this Monitoring and Reporting Program (MRP) on the effective date (October 10, 2012) under Regional Board Order No. R4-2007-0019. The next monitoring report under this program shall be received at the Regional Board by **January 15, 2013**. 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 15
April – June	July 15
July – September	October 15
October – December	January 15

- 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 Order No. R4-2007-0019 "*Monitoring and Reporting Requirements*" in addition to the aforementioned requirements.

March 5, 2009  
Revised on July 28, 2010  
Revised on October 10, 2012

**II. DISCHARGE MONITORING PROGRAM**

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

1. Location map showing injection points used for ozone.
2. Written and tabular summary defining depth of injection points, quantity of ozone injected at each injection point, and total amount of ozone 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 JEW-1, JMW-1, JMW-4, JMW-9, MW-11, and MW-14 (Figure 1). The Discharger shall continue to conduct quarterly sampling events from all 6 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

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
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 minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification;
- c. Quarterly 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 Order No.R4-2007-0019 and Monitoring and Reporting Program No. CI-8777 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 WDR100000498.

Ordered by: Samuel Unger  
Samuel Unger, P.E.  
Executive Officer

Date: October 10, 2012

