

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI 8799
for
UNITED ROCK PRODUCTS CORPORATION
United Rock Products Pit No. 2
(File No. 04-002)**

United Rock Products Corporation (Discharger) shall implement this Monitoring and Reporting Program (M&RP) for the United Rock Products Pit No. 2 (Site) beginning the effective date of Board Order No. **R4-2011-xxxx**. The first monitoring report under this program is due by January 15, 2012.

I. Reporting

- A. Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - June	July 15
July - December	January 15

The semiannual reports shall include both the water quality data required in Section II and the waste disposal information required in Section III of this M&RP. The July - December report shall include a summary of the data obtained during the year.

- B. A transmittal letter that contains the essential points of the report shall accompany each report. Such a letter shall include a discussion of any violations found since the last such report was submitted, and shall describe actions taken or planned for correcting those violations. If the Discharger has previously submitted a time schedule for correcting said violations, a reference to the correspondence transmitting such schedule will be satisfactory. If no violations have occurred since the last submittal, this shall be stated in the transmittal letter. Monitoring reports and the letter transmitting the monitoring reports shall be signed by a principal executive officer at the level of vice president or above, or by his/her duly authorized representative, if such a representative is responsible for the overall operation of the facility from which the discharge originates. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true, complete, and correct.
- C. The Discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
- D. In the event that hazardous or other unacceptable wastes are detected, the Regional Board shall be notified by telephone, email, or facsimile within 24 hours and by writing within 7 days. The type, source, and final disposition of those wastes shall also be reported.
- E. If the Discharger performs analyses for any parameter more frequently than required by this M&RP, using approved analytical methods, the results shall be included in the monitoring report.

- F. The Discharger may submit additional data to the Regional Board that are not required by this M&RP in order to simplify reporting to other agencies.
- G. The Discharger shall retain records of all monitoring information, including all calibration and maintenance records regarding monitoring instrumentation, and copies of all data submitted to regulatory agencies, for a period of at least five years. This period may be extended by request of the Regional Board at any time, and shall be extended during the course of any unresolved litigation regarding all or any part of the Site.
- H. Each report submitted to the Regional Board shall contain the following statement:
- "I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."
- I. A duly authorized representative of the Discharger may sign the documents if:
- The authorization is made in writing by the person described above;
 - The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - The written authorization is submitted to the Executive Officer.
- J. All reports required in this M&RP shall be addressed to:

California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013
ATTN: Information Technology Unit

The reporting period and the compliance file number (CI 8799) must be clearly displayed on the title page to facilitate routing to the appropriate staff and file.

- K. The Discharger shall submit all reports required under this M&RP, including groundwater monitoring data, to the State Water Resources Control Board GeoTracker database, in addition to submitting hard copies to the Regional Board office. Once the Discharger demonstrates mastery of electronic submittal of reports to GeoTracker, it may request that the Regional Board waive the requirement of submitting hard copies of reports.

II. Water Quality Monitoring

- A. The groundwater monitoring network of the Site shall include background monitoring well IRW-1 located at the Rock Plant, at least two discrete locations at the lake of exposed groundwater, and groundwater monitoring wells IRW-1A and IRW-1B at the Nu-Way Arrow Landfill¹ (Figure T-1). Sampling locations at the lake shall be selected for the early detection of pollutants that may be released from wastes discharged at the Site. All groundwater

¹ The Discharger is required to monitor wells IRW-1A and IRW-1B for groundwater levels only, for the calculation of the groundwater gradient and flow direction in the vicinity of the Site.

monitoring points must be sampled semi-annually. The downgradient groundwater monitoring points for the Site currently include discrete sampling locations at the lake comprised of exposed groundwater. The Executive Officer may require the Discharge to install additional groundwater monitoring points, including the installation of monitoring wells, with the progress of landfill operations at the Site.

- B. In addition to groundwater monitoring, the Discharger must also sample and analyze the sluicing water on a semi-annual basis. The sluicing water sample shall be taken at the end of the discharging pipeline and be filtered.
- C. All groundwater water and sluicing water samples shall be analyzed for the following constituents:

Parameter	Units
pH	pH units
Electrical conductivity	umhos/cm
Chemical oxygen demand	mg/l
Total dissolved solids	mg/l
Nitrates	mg/l
Chloride	mg/l
Sulfate	mg/l
Boron	mg/l
Total dissolved cadmium	µg/l
Total dissolved chromium	µg/l
Total dissolved lead	µg/l
Total dissolved nickel	µg/l
Diesel	µg/l
Volatile organic compounds (VOCs) (USEPA Method 8260B)	µg/l

- D. Semi-annual sampling shall be performed during the months of April and October. In the event sampling is not performed as above because of unforeseen circumstances, substitute sampling shall be performed as soon as possible after these times, and the reason for the delay shall be given.
- E. Groundwater monitoring is to be continued even during periods when no wastes are deposited at the Site, and throughout the active life of the disposal Site.
- F. All analyses shall be conducted at a laboratory certified for such analyses by the State Department of Public Health Environmental Laboratory Accreditation Program, or approved by the Executive Officer. Laboratory analyses must follow methods approved by the United States Environmental Protection Agency (EPA), and the laboratory must meet EPA Quality Assurance/Quality Control criteria.
- G. For any analyses performed for which no procedure is specified in the EPA guidelines, or in this Order, the constituent or parameter analyzed, and the method or procedure used, must be specified in the report.

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- H. Analytical data reported as "less than" shall be reported as less than a numeric value, or below the limit of detection, for that particular analytical method.
- I. All analytical samples obtained for this M&RP shall be grab samples.
- J. The monitoring report must also include the following:
1. Sampling protocol and analytical methods used;
 2. If any required samples were omitted during the reporting period, a statement to that effect shall be made and reasons given for any omission;
 3. Groundwater elevations measured to the nearest 0.01 foot relative to mean sea level. The velocity and direction of ground water flow under the Site shall be determined after each monitoring event and reported;
 4. For any monitored waste parameter which is listed as such by the EPA or by the State of California, the discharger shall compare such data to the most stringent allowable concentrations under all existing Federal and State regulations;
 5. An evaluation of the results of the testing signed by a California Professional Geologist or Professional Engineer.

III. Waste Disposal Reporting

All monitoring reports submitted to the Regional Board shall include the following information pertinent to the disposal of wastes at the Site:

- A. A map of the Site indicating the areas that are currently being filled.
- B. A tabular list of the estimated average quantities (in tons or cubic yards) of materials deposited at the Site in each month and the methods of disposal (i.e., by sluicing or trucking).
- C. An estimate of the remaining life of the Site in years and months.
- D. A certification that all wastes deposited are in compliance with the Regional Board's requirements and that no wastes have been deposited outside of the boundaries of the Site as specified in the Regional Board's requirements.
- E. If purged groundwater from the monitoring wells is used at the Site, the total volume, and areas of usage shall also be reported.

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

Date: November 10, 2011

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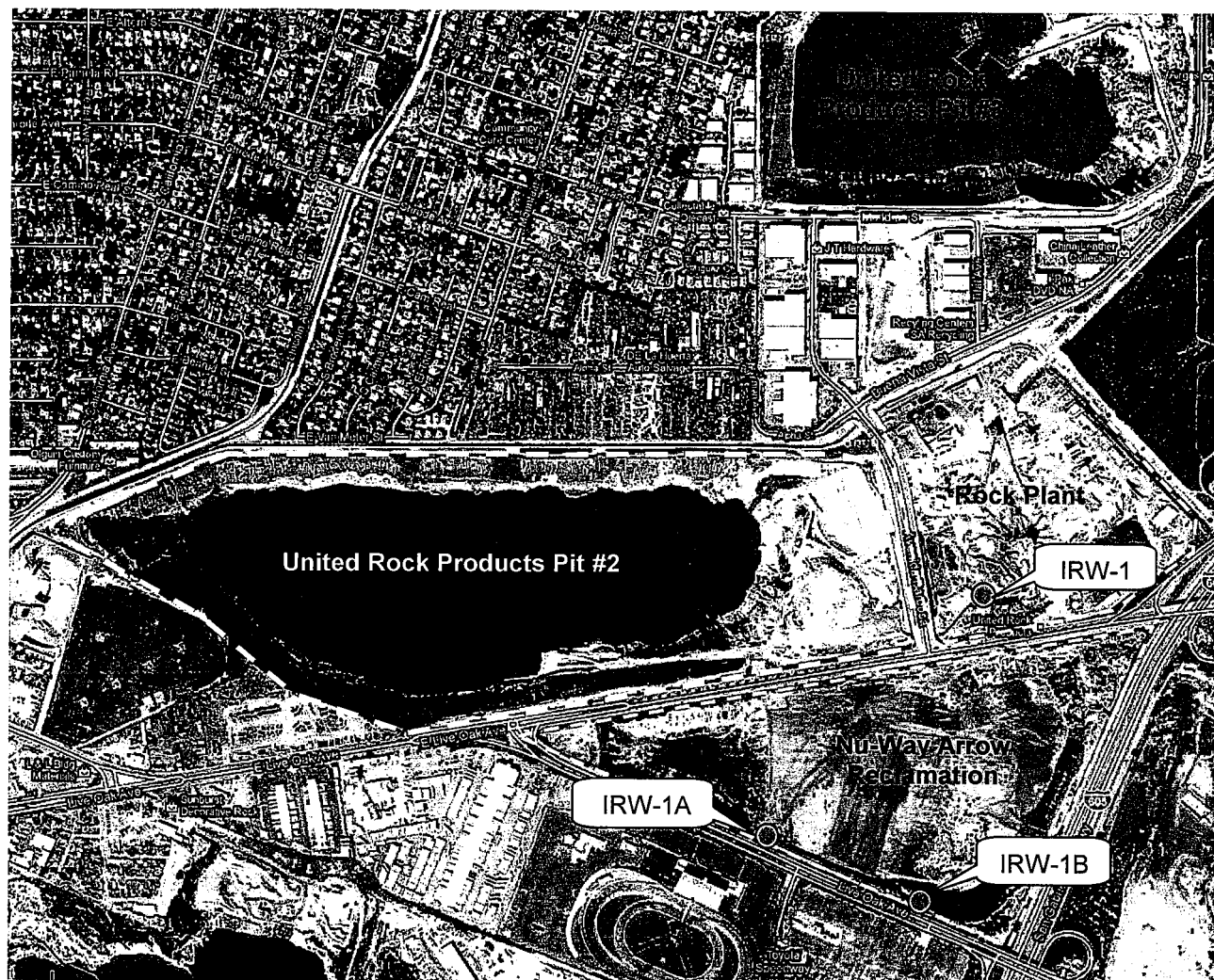


Figure T - 1. Groundwater Monitoring Well Locations