

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM R5__

BUTTE SAND AND GRAVEL
MOREHEAD LAND LLC,
BEGONIA MCPHERRIN, ROSE MCPHERRIN AND ANNA MCPHERRIN
SOUTH BUTTE QUARRY
SUTTER COUNTY

This monitoring and reporting program (MRP) incorporates requirements for monitoring the ponds, wastewater, and water supply. This MRP is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revision is issued by the Executive Officer.

All wastewater samples shall be representative of the volume and nature of the discharge. The time, date, and location of each sample shall be recorded on the sample chain of custody form. Field test instruments (such as pH and dissolved oxygen) may be used provided that:

1. The operator is trained in the proper use and maintenance of the instrument;
2. The instruments are field calibrated prior to each use;
3. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of this MRP.

POND MONITORING

The Clean Water Pond and Silt Pond shall be inspected weekly and monitored as follows:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Freeboard ¹	feet (± 0.1)	Measurement	Weekly	Monthly
Odors	--	Observation	Weekly	Monthly
Berm seepage ²	--	Observation	Weekly	Monthly

¹ Freeboard shall be measured vertically from the surface of the pond water to the lowest elevation of the surrounding berm and measured to the nearest 0.1 feet.

² Containment levees shall be observed for signs of seepage or surfacing water along the exterior toe of the levees. If surfacing is found, then a sample shall be collected and tested for electrical conductivity.

WASTEWATER MONITORING

Samples shall be collected from the Clean Water Pond and Silt Pond and monitored as follows:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
pH	pH units	Grab	Quarterly ²	Monthly ²
Electrical conductivity	µmhos/cm	grab	Quarterly ²	Monthly ²
Manganese ¹	mg/L	Grab	Quarterly ²	Monthly ²

¹ Samples shall be filtered prior to digestion, preservation, and analysis.

² Quarterly samples shall be collected in the months of January, April, July and October and shall be reported in the monthly monitoring reports for the month during which samples were obtained.

WATER SUPPLY MONITORING

A grab sample of water from the supply well (referred to as the Deep Well) shall be obtained and monitored as follows:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
pH	std.	Grab	Annually ¹	Annually ¹
Electric conductivity	µmhos/cm	Grab	Annually ¹	Annually ¹
Standard Minerals ²	mg/L	Grab	Annually ¹	Annually ¹
Metals ³	mg/L	Grab	Annually ¹	Annually ¹

¹ The annual sample shall be collected during the fourth quarter of each calendar year and reported in the Annual Report.

² Standard minerals shall include, at a minimum, the following: chloride, potassium, and sodium.

³ Metals shall include, at a minimum, the following: arsenic, lead, iron, and manganese. Samples shall be filtered prior to digestions, preservation, and analysis.

If after four consecutive annual samples there appears to be no significant temporal variability, the Discharger may request revision to this MRP to reduce the number of constituents monitored. A written request to the Executive Officer shall be submitted.

REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported in the next scheduled monitoring report.

A. Monthly Monitoring Reports

Monthly reports shall be submitted to the Central Valley Water Board on the **1st day of the second month following sampling** (i.e. the January Report is due by 1 March). At a minimum, the reports shall include:

1. Results of the pond and wastewater monitoring. The report shall include all results, including quarterly monitoring data, if quarterly samples were obtained that month. Data shall be presented in tabular format.
2. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements.
3. Copies of laboratory analytical report(s).
4. A calibration log verifying calibration of all hand held monitoring instruments and devices used to comply with the prescribed monitoring program.
5. A scaled map showing relevant structures and features of the facility, the locations of receiving water monitoring and all other sampling stations.

B. Annual Monitoring Reports

An Annual Report shall be prepared and submitted to the Central Valley Water Board by **1 February** each year. The Annual Report shall include the following:

1. Analytical results for the annual water supply monitoring, including copies of laboratory analytical report(s).
2. A discussion of specific pond maintenance work completed to prevent mosquito breeding and reducing conditions to comply with Discharge Specification B.10; an evaluation of manganese best management practices (BMPs); and proposed additional BMPs as required pursuant to Provision D.1.b.
3. Tabular and graphical summaries of all data collected during the year.
4. A discussion of compliance and corrective actions taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the waste discharge requirements.

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of all WDRs violations during the reporting period, and actions taken or planned for correcting each violation. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain a statement by the Discharger, or the Discharger's authorized agent, under penalty of perjury, that to the best of the signer's knowledge the report is true, accurate and

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complete pursuant to Section B.3 of the Standard Provisions and Reporting Requirements.

The Discharger shall implement the above monitoring program as of the date of this Order.

Ordered by: _____
PAMELA C. CREEDON, Executive Officer

(Date)

LLA: 122012