

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM R5-2011-XXXX
FOR
HATHAWAY, LLC
REUSE OF OIL FIELD PRODUCTION WASTEWATER
FOR IRRIGATION
KERN FRONT OIL FIELD
KERN COUNTY

The Discharger shall comply with this Monitoring and Reporting Program (MRP) required pursuant to California Water Code section 13267, and with the Standard Provisions and Reporting Requirements for Waste Discharge Requirements (Standard Provisions), dated 1 March 1991, as ordered by Conditional Waiver of Waste Discharge Requirements (Waiver) Order R5-2011-XXXX.

WASTEWATER MONITORING

The Discharger shall sample wastewater from the Davies Realty Co. Lease in the Kern Front Oil Field at the point of discharge into the pipeline that leads to the Concordia Ranch. Wastewater samples shall be representative of the quality of the wastewater reused for blending with irrigation water. Monitoring shall be conducted annually and include the following:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sample Frequency</u>
Flow Rate	bbls/month	Estimate	Monthly
Electrical Conductivity @ 25°C	µmhos/cm	Grab	Annually
Chloride	mg/L	Grab	Annually
Boron	mg/L	Grab	Annually
Oil and Grease	mg/L	Grab	Annually
General Minerals	mg/L	Grab	Annually

Explanation: micromhos per centimeter (µmhos/cm); milligrams per liter (mg/L); barrels per month (bbls/month)

IRRIGATION WATER MONITORING

Irrigation water samples shall be collected from the irrigation reservoir on the Concordia Ranch. Irrigation water samples shall be representative of the quality of the water used for irrigation on the Concordia Ranch. Effluent monitoring shall be conducted annually and include the following:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sample Frequency</u>
Electrical Conductivity @ 25°C	µmhos/cm	Grab	Annually
Chloride	mg/L	Grab	Annually
Boron	mg/L	Grab	Annually
Oil and Grease	mg/L	Grab	Annually
General Minerals	mg/L	Grab	Annually

REPORTING

The Discharger shall report monitoring data and information as required by this MRP and the Standard Provisions. In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. Data shall also be submitted in a digital format acceptable to the Executive Officer.

A. Reports

Wastewater, Irrigation Water: Monitoring data shall be reported in annual monitoring reports. Annual monitoring reports shall be submitted to the California Regional Water Quality Control Board (Central Valley Water Board) by **1 November** of each year. All reports shall include:

1. The results of wastewater and irrigation water monitoring. Data shall be presented in tabular format and include previous data for the respective calendar year.
2. Copies of original laboratory analytical reports.

The discharger shall implement the above monitoring program on the first day of the month following adoption of the Waiver and MRP.

Ordered by: _____
PAMELA C. CREEDON, Executive Officer

(Date)