

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM R5-2024-0803  
FOR  
HAYKINGDOM, INC  
HAYKINGDOM  
YOLO COUNTY

Haykingdom, Inc (Discharger) owns and operates a hay processing facility located at 26888 County Road 90, Winters in Yolo County. On 1 November 2023, the Discharger submitted information concerning a discharge of approximately 52,000 gallons per year of water filtration treatment system wastewater for irrigation of trees and landscaping and dust control use within their property. The water filtration treatment system uses an anion exchange resin supplied in the form of chloride for nitrate removal.

Based on the volume of the discharge and a review of proposed management practices, it is not certain whether this discharge could affect the quality of underlying groundwater. Therefore, this Monitoring and Reporting Program (MRP) Order requires the Discharger to perform monitoring and submit reports necessary to characterize the waste for evaluation of potential impacts to groundwater quality and, if appropriate, to determine future permit requirements.

This Order is issued pursuant to Water Code section 13267. Water Code section 13267, subdivision (b)(1) states:

*In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, . . . shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.*

The burden, including costs, of the required reports bears a reasonable relationship to the need for the reports and the benefits to be obtained thereby.

Failure to comply with the requirements of this MRP Order may result in the imposition of administrative civil liability up to \$1,000 per violation, per day, pursuant to Water Code section 13268.

**IT IS HEREBY ORDERED**, pursuant to Water Code section 13267, subdivision (b)(1), that the Discharger shall implement this MRP and submit the monitoring reports described herein, as follows:

A glossary of terms used in this MRP is included on the last page.

## **I. GENERAL MONITORING REQUIREMENTS**

### **A. FLOW MONITORING**

Hydraulic flow rates shall be measured at the monitoring points specified in this MRP. All flow monitoring systems shall be appropriate for the conveyance system (e.g., open channel flow or pressure pipeline) and liquid type. The measurements may be based on flow meter readings or pump run time estimate. The method of measurement must be specified. Unless otherwise specified, each flow meter shall be equipped with a flow totalizer to allow reporting of cumulative volume as well as instantaneous flow rate. Flow meters shall be calibrated at the frequency recommended by the manufacturer; typically, at least once per year and records of calibration shall be maintained for review upon request.

### **B. MONITORING AND SAMPLING LOCATIONS**

Samples and measurements shall be obtained at the monitoring points specified in this MRP. The Central Valley Water Board staff shall approve any proposed changes to sampling locations prior to implementation of the change.

The Discharger shall monitor the following locations to demonstrate compliance with the requirements of this MRP as shown in **Table 1** below.

**Table 1 – Monitoring Location Designations**

<b>Monitoring Location</b>	<b>Monitoring Location Description</b>
WW-001	Location where a representative sample of the wastewater generated from the water treatment system can be obtained prior to land discharge.

### **C. SAMPLING AND SAMPLE ANALYSIS**

All samples and measurements shall be representative of the volume and nature of the discharge or matrix of material sampled. Except as specified otherwise in this MRP, grab samples will be considered representative of wastewater. The time, date, and location of each sample shall be recorded on the sample chain of custody form.

Field test instruments (such as those used to measure pH, electrical conductivity, dissolved oxygen, wind speed, and precipitation) may be used provided that:

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

Laboratory analytical procedures shall comply with the methods and holding times specified in the following (as applicable to the medium to be analyzed):

- Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater (EPA);
- Test Methods for Evaluating Solid Waste (EPA);
- Methods for Chemical Analysis of Water and Wastes (EPA);
- Methods for Determination of Inorganic Substances in Environmental Samples (EPA);
- Standard Methods for the Examination of Water and Wastewater (APHA/AWWA/WEF); and
- Soil, Plant, and Water Reference Methods for the Western Region (WREP 125).

Approved editions shall be those that are approved for use by the U.S. Environmental Protection Agency (EPA) or the State Water Resources Control Board (State Water Board), Division of Drinking Water's Environmental Laboratory Accreditation Program (ELAP). The Discharger may propose alternative methods for approval by the Executive Officer. Where technically feasible, laboratory reporting limits shall be lower than concentrations that implement applicable water quality objectives/limits for the constituents to be analyzed.

## **II. SPECIFIC MONITORING REQUIREMENTS**

### **A. WASTEWATER MONITORING (WW-001)**

1. Wastewater generated from the water treatment system shall be monitored and sampled prior to being land discharged. At a minimum, samples shall be monitored as specified in the table below.

**Table 2 – Wastewater Monitoring**

<b>Constituent/ Parameter</b>	<b>Units</b>	<b>Sample Type</b>	<b>Monitoring Frequency</b>	<b>Reporting Frequency</b>
Flow for irrigation use (trees and landscaping)	gpd	Calculated (see Note 1 below)	Daily	Annual
Flow for dust control use	gpd	Calculated (see Note 1 below)	Daily	Annual
Application Area Irrigated	acres	N/A	Daily	Annual
Electrical Conductivity	µmhos/cm	Grab	Quarterly	Annual
Chloride	mg/L	Grab	Quarterly	Annual
Total Nitrogen	mg/L	Grab	Quarterly	Annual

Table Note 1. Flow shall be calculated based on water truck capacity and number of trucks used per day.

### III. REPORTING REQUIREMENTS

#### A. ANNUAL MONITORING REPORTS

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

1. Name, title, and contact information for person(s) to contact regarding the facility for emergency and routine situations.
2. Calibration records for field instruments used.
3. Results of **Wastewater Monitoring** in tabular format, including total volume of wastewater used for irrigation and dust control for the year.
4. A map identifying wastewater application and use (irrigation or dust control).
5. Copies of the laboratory analytical data reports.

A letter transmitting the self-monitoring reports shall accompany each report. The letter shall include a discussion of requirement violations found during the reporting period and actions taken or planned for correcting noted violations, such as operation or Facility modifications. 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 the penalty of perjury statement and shall be signed by the Discharger, or its authorized agent:

*I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments 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 fine and imprisonment.*

## **B. GENERAL REPORTING REQUIREMENTS**

1. All regulatory documents, submissions, materials, data, monitoring reports, and correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: [centralvalleysacramento@waterboards.ca.gov](mailto:centralvalleysacramento@waterboards.ca.gov).

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to the following address:

Central Valley Regional Water Quality Control Board  
ECM Mailroom  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, California 95670

To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any correspondence used to transmit documents to this office:

Facility: Haykingdom  
Program: Non-15 Compliance  
Order Number: R5-2024-0803  
CIWQS Place ID: 891342

2. In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., wastewater), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported to the Central Valley Water Board.
3. Laboratory analysis reports shall be included in the monitoring reports. All laboratory reports must be retained for a minimum of three years. For a

Discharger conducting any of their own analyses, reports must also be signed and certified by the chief of the laboratory.

4. Monitoring information shall include the method detection limit (MDL) and the Reporting limit (RL) or practical quantitation limit (PQL). If the regulatory limit for a given constituent is less than the RL (or PQL), then any analytical results for that constituent that are below the RL (or PQL) but above the MDL shall be reported and flagged as estimated.
5. All monitoring reports that involve planning, investigation, evaluation or design, or other work requiring interpretation and proper application of engineering or geologic sciences, shall be prepared by or under the direction of persons registered to practice in California pursuant to California Business and Professions Code sections 6735, 7835, and 7835.1. In accordance with California Business and Professions Code sections 6735, 7835, and 7835.1, engineering and geologic evaluations and judgments shall be performed by or under the direction of registered professionals competent and proficient in the fields pertinent to the required activities. All technical reports specified herein that contain technical conclusions and recommendations concerning engineering and geology shall be prepared by or under the direction of appropriately qualified professional(s), even if not explicitly stated. Each technical report submitted by the Discharger shall bear the professional's signature and stamp.

Any person aggrieved by this Central Valley Water Board action may petition the State Water Resources Control Board for administrative review in accordance with Water Code section 13320, and California Code of Regulations, title 23, section 2050 et seq. The State Water Resources Control Board must receive the petition by 5:00 p.m. on the 30th day after the date of this MRP, except that if the 30th day falls on a Saturday, Sunday or state holiday, the petition must be received by 5:00 p.m. on the next business day. Laws and regulations applicable to filing petitions are published on the Internet (at the address below), and will be provided upon request.  
([http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality))

This Order is issued under authority delegated to the Executive Officer by the Central Valley Water Board pursuant to Resolution R5-2018-0057 and is effective upon signature. The Discharger shall not implement any changes to this MRP unless and until the Executive Officer issues a revised MRP. This Order is effective as of the date below.

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for PATRICK PULUPA, Executive Officer

## GLOSSARY

EC	Electrical Conductivity at 25° C
EPA	Environmental Protection Agency
ELAP	State Water Resources Control Board's Environmental Laboratory Accreditation Program
MDL	Method detection limit
MRP	Monitoring and Reporting Program
N	Nitrogen
PQL	Practical quantitation limit
RL	Reporting Limit
Daily	Every day except weekends or holidays
Quarterly	Once per calendar quarter
Annually	Once per year
gpd	Gallons per day
µmhos/cm	Micromhos per centimeter
mg/L	Milligrams per liter