



State of Oregon
 Department of
 Environmental
 Quality

WATER POLLUTION CONTROL FACILITIES PERMIT

Oregon Department of Environmental Quality
 Eastern Region – Pendleton Office
 800 SE Emigrant, #330
 Pendleton, OR 97801
 Telephone: 541-276-4063

Issued pursuant to ORS 468B.050

ISSUED TO:	SOURCES COVERED BY THIS PERMIT:		
Octagon Constructors, LLC 4510 NW Olive St. Vancouver, WA 98663	Type of Waste	Outfall Number	Location
	Industrial Wastewater (Evaporation and Storage Ponds)	001	Lat/Long: 44.5022, -117.7541
	Wastewater Derived Solids (Reuse and Disposal)	As provided in the Facility Plan	

FACILITY TYPE AND LOCATION:

Auburn Ranch Mining
 Placer Gold Mining, Evaporation and Seepage Ponds
 22042 Bridgeport Lane
 Bridgeport, OR 7819

County: Baker

RIVER BASIN INFORMATION:

WRD Basin: Middle-Snake - Powder

USGS Sub-Basin: Burnt

Nearest surface water body name: Auburn Creek at R.M. 1.08
 LLID: 1177428444890

Issued in response to Application No. 948552 received April 1, 2022. This permit is issued based on the land use findings in the permit record.

Mike Hiatt
 Water Quality Permitting Manager, ER

10-24-2022
 Issuance Date

12-1-2022
 Effective Date

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to construct, install, modify or operate a wastewater collection, treatment, control and disposal system in conformance with the requirements, limits, and conditions set forth in this permit.

Unless specifically authorized by this permit, by another NPDES or WPCF permit, or by Oregon statute or administrative rule, any direct or indirect discharge of pollutants to waters of the state is prohibited.

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SCHEDULE A: WASTE DISCHARGE LIMITS

1. Permitted System

Octagon Constructing, LLC is authorized to operate and dispose of wastewater from non-chemical ore processing operations at Auburn Ranch Mining Site (Tax Lot 1001, Section 25, Township 12S, Range 40E) on private property in Baker County jurisdictional land. The permittee is authorized to conduct ore processing operations only as identified in the Engineering Report/Facility Plan and in accordance with the conditions of this permit.

- a. Total volume of ore processed at all sites under this permit must not exceed 500,000 cubic yards per year.

2. Surface Water Protection

Direct discharge to navigable waters as defined in OAR Chapter 340 Division 045 Section 0010 (13) is prohibited.

- a. Chemical use Prohibited
 - i. Petroleum-based products, coagulants, flocculants, solvents, and acids, as well as other substances that might cause the water quality standards of the state of Oregon to be violated must not be discharged, disposed, or placed in any locations where they would likely be carried into the waters of the state by any means. No chemicals are to be used in the processing of the gravel placer deposits.

3. Groundwater Protection

Any activity that has an adverse effect on existing or potential beneficial uses of groundwater is prohibited. All wastewater and wastewater solids must be managed and disposed in a manner that will prevent a violation of the Groundwater Quality Protection Rules (OAR Chapter 340, Division 40). If warranted, at any time, DEQ may evaluate the need for or require a full assessment of the facility's effect on groundwater quality.

4. Storage Ponds

- a. Wastewater pond dikes must be less than five feet in height.
- b. Pond freeboard must not be less than two feet, as measured from the lowest elevation of the containment system (spill point).
- c. Removed Substances:
 - i. Solids, sludge, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters must be disposed of in such a manner as to prevent any pollutant from such materials from entering waters of the state, causing nuisance conditions, or creating a public health hazard.

5. Effluent Benchmarks

During the term of this permit, the permittee must comply with the benchmarks in the following table. If a benchmark is exceeded the permittee must evaluate the root cause of the exceedance, develop a plan for addressing the issue and submit to DEQ an explanation of the exceedance and a description of the action plan within two weeks of the discovered exceedance.

The permittee must meet the following benchmarks for the unlined sediment trap pond, prior to discharging into subsequent ponds.

Table A1: Permit Benchmarks

Parameter	Units	Weekly Average
pH	SU	Instantaneous limit between a daily minimum of 6.5 and a daily maximum of 8.5

SCHEDULE B: MINIMUM MONITORING AND REPORTING REQUIREMENTS

1. Reporting Requirements

The permittee must submit to DEQ monitoring results and reports as listed below.

Table B1: Reporting Requirements and Due Dates

Reporting Requirement	Frequency	Due Date (See Note a.)	Report Form (See Note b.)	Submit To:
Tables B2 Storage Ponds Monitoring	Quarterly	By the 15th of the following quarter	Specified in Schedule B. Section 2 of this permit	As directed by DEQ
Pond solids Annual report (see Schedule D)	Annually	February 19	Electronic copy in the DEQ-approved format	As directed by DEQ
Lagoon leak test (each sediment trap lagoon, see Schedule D)	One-Time	October 15, 2023	Electronic copy in the DEQ-approved format	As directed by DEQ

Notes:

- a. For submittals that are provided to DEQ by mail, the postmarked date must not be later than the due date.
- b. All reporting requirements are to be submitted in a DEQ approved format, unless otherwise specified in writing.

2. Monitoring and Reporting Protocols

a. Paper Submissions.

When submitting paper copies as required by table B1, the permittee must submit to DEQ the results of the monitoring in a paper format as specified below.

- i. Until directed by DEQ all Discharge Monitoring Reports (DMRs) must be submitted in an approved paper format:
 - (A) The reporting period is the calendar month.
 - (B) The permittee must submit monitoring data and other information required by this permit for all compliance points by the 15th day of the month following the

reporting period unless specified otherwise in this permit or as specified in writing by DEQ.

- ii. Until directed by DEQ, the permittee must submit any required Pretreatment Program Reports, Wastewater Solids and Biosolids Annual Report, Recycled Water Annual Report, Sanitary Sewer Overflow/Bypass Event Reports, and other required information to DEQ.
- iii. The permittee must sign and certify submittals of Discharge Monitoring Reports (DMRs), reports, and other information in accordance with the requirements of Section D8 within Schedule F of this permit.

b. **Electronic Submissions.**

When submitting electronic copies as required by table B1, the permittee must submit to DEQ the results of monitoring in an electronic format as specified below.

- i. When directed by DEQ, the permittee must submit monitoring results required by this permit via DEQ-approved web-based Electronic Discharge Monitoring Report (DMR) forms.
- ii. The reporting period is the calendar month.
- iii. The permittee must submit monitoring data and other information required by this permit for all compliance points by the 15th day of the month following the reporting period unless specified otherwise in this permit or as specified in writing by DEQ.
- iv. When directed by DEQ, the permittee must submit electronic reports for any required Pretreatment Program Reports, Wastewater Solids and Biosolids Annual Report, Recycled Water Annual Report, Sewer Overflow/Bypass Event Reports, and other required information to DEQ via designated web-based reporting process.

c. **Test Methods.**

The permittee must conduct monitoring according to test procedures in 40 CFR part 136 and 40 CFR part 503 for biosolids or other approved procedures as per Schedule F.

d. **Detection and Quantitation Limits**

- i. **Detection Level (DL)** – The DL is defined as the minimum measured concentration of a substance that can be distinguished from method blank results with 99% confidence. The DL is derived using the procedure in 40 CFR part 136 Appendix B and evaluated for reasonableness relative to method blank concentrations to ensure results reported above the DL are not a result of routine background contamination. The DL is also known as the Method Detection Limit (MDL) or Limit of Detection (LOD).
- ii. **Quantitation Limits (QLs)** – The QL is the minimum level, concentration or quantity of a target analytes that can be reported with a specified degree of confidence. It is the lowest level at which the entire analytical system gives a recognizable signal and acceptable calibration for the analytes. It is normally equivalent to the concentration of the lowest calibration standard adjusted for sample weights, volumes, preparation and cleanup procedures employed. The QL as reported by a laboratory is also sometimes referred to as the Method Reporting Limit (MRL) or Limit of Quantitation (LOQ).
- iii. For compliance and characterization purposes, the maximum acceptable QL is stated in this permit.

e. **Implementation**

The Laboratory QLs (adjusted for any dilutions) for analyses performed to demonstrate compliance with permit limits or as part of effluent characterization, must be at or below the QLs specified in the permit unless one of the conditions below is met.

- i. The monitoring result shows a detect above the laboratory reported QL.
- ii. The monitoring result indicates non-detect at a DL which is less than the QL.
- iii. Matrix effects are present that prevent the attainment of QLs and these matrix effects are demonstrated according to procedures described in EPA's "Solutions to Analytical Chemistry Problems with Clean Water Act Methods", March 2007. If using alternative methods and taking appropriate steps to eliminate matrix effects does not eliminate the matrix problems, DEQ may authorize in writing re-sampling or allow a higher QL to be reported. In the case of effluent characterization monitoring,

f. **Quality Assurance and Quality Control**

- i. Quality Assurance Plan – The permittee must develop and implement a written Quality Assurance Plan that details the facility sampling procedures. This plan should include any equipment calibration and maintenance, analytical methods, quality control activities and laboratory data handling and reporting if the permittee conducts any of their own analytical work. The QA/QC program must conform to the requirements of 40 CFR 136.7.
- ii. If QA/QC requirements are not met for any analysis, the permittee must re-analyze the sample. If the sample cannot be re-analyzed, the permittee must re-sample and analyze at the earliest opportunity. If the permittee is unable to collect a sample that meets QA/QC requirements, then the permittee must include the result in the discharge monitoring report (DMR) along with a notation (data qualifier). In addition, the permittee must explain how the sample does not meet QA/QC requirements. The permittee may not use the result that failed the QA/QC requirements in any calculation required by the permit unless authorized in writing by DEQ.
- iii. Flow measurement, field measurement, and continuous monitoring devices - The permittee must:
 - (A) Establish verification and calibration frequency for each device or instrument in the quality assurance plan that conforms to the frequencies recommended by the manufacturer.
 - (B) Verify at least once per year that flow-monitoring devices are functioning properly according to manufacturer's recommendation. Calibrate as needed according to manufacturer's recommendations.
 - (C) Verify at least weekly that the continuous monitoring instruments are functioning properly according to manufacturer's recommendation unless the permittee demonstrates a longer period is sufficient and such longer period is approved by DEQ in writing.

g. **Reporting Sample Results**

- i. The permittee must report the same number of significant digits as the permit limit for a given parameter.

3. Monitoring and Reporting Requirements

- a. The permittee must monitor effluent at Outfall 001 (unlined sediment trap pond outfall), in accordance with Table B1 and the table below:

Table B2: Storage Ponds Monitoring Requirements

Item or Parameter	Units	Time Period	Minimum Frequency	Sample Type/ Required Action See note b.	Report Statistic See note a.
pH (00400)	Standard Units (SU)	Year-round	2/week	Grab	Daily Maximum Daily Minimum Weekly Average
Inspect dikes and containment system – each pond	N/A	Year-round	Daily when ponds contain water	Visual	Record Observations
Dike Freeboard – each pond	Feet	Year-round	Daily when ponds contain water	N/A	Record Measurement
Total Flow – wastewater into each pond (make up water)	MGD	Year-round	Daily when operating	N/A	Record Measurement
Ore processed	Cubic Yards	Year-round	Monthly	N/A	Monthly Total Annual Total
Solids removal from ponds	Cubic Yards	Year-round	Each occurrence	N/A	Monthly Total Annual Total
Mining operation start-up and shut-down dates	N/A	Year-round	Each occurrence	N/A	Date Started Date Ended

Notes:

- a. When submitting DMRs electronically, all data used to determine summary statistics shall be submitted in a DEQ approved format as an attachment unless otherwise directed by DEQ. If submitting paper DMRs, all data collected shall be reported on each DMR.
- b. In the event of equipment failure or loss, the permittee must notify DEQ and deploy new equipment to minimize interruption of data collection. If new equipment cannot be immediately deployed, the permittee must perform grab measurements.

SCHEDULE C: COMPLIANCE SCHEDULE

There are no compliance schedule requirements for this permit.

SCHEDULE D: SPECIAL CONDITIONS

1. Emergency Response and Public Notification Plan

The permittee must develop an Emergency Response and Public Notification Plan (“plan”), or ensure the facility’s existing plan is current and accurate, per Schedule F, Section B, and Condition 6 within 6 months of permit effective date. The permittee must update the plan annually to ensure all information contained in the plan, including telephone and email contact information for applicable public agencies, is current and accurate. An updated copy of the plan must be kept on file at the facility for DEQ review. The latest plan revision date must be listed on the plan cover along with the reviewer’s initials or signature.

2. Placer Mining Operations and Notification

- a. Prior to constructing or modifying wastewater, treatment and disposal facilities, detailed plans and specifications must be submitted to and approved in writing by the Department.
- b. Unless otherwise approved in writing by the Department, accumulated sediments in the ponds must be cleaned out and removed at the end of each mining season to reduce the likelihood of sediment washout from the ponds during high runoff periods. In addition at the end of each mining season water must be removed to prevent overflowing and dike failure or Schedule B monitoring must be continued.
- c. All water control devices and solids retention structures must be maintained to ensure their effectiveness and to protect from unexpected catastrophic failure. Whenever a structural weakness or incipient failure becomes evident, repair of the structure to reasonably assure against catastrophic failure must be made immediately.
- d. The Permittee must notify the Department’s Eastern Region office of the following events:
 - i. Change in operation. Any substantive change to the wastewater handling systems covered by this permit must have prior approval, in writing, from the Department before this change is implemented. Non-approved changes are a violation of this permit.
 - ii. In the event of any malfunction of the storm water/wastewater system the Permittee must notify the Department in accordance with response times contained in the General Conditions of this permit to enable coordination of corrective action between the Permittee and the Department.
 - iii. Start-up and shut-down dates for the annual mining operation as required in Schedule B, Table B3.
- e. Sanitary waste must be managed in portable toilets that are supplied and maintained by an appropriate contractor.
- f. An environmental supervisor must be designated to coordinate and implement all necessary functions related to maintenance and operation of waste management, treatment, and disposal facilities. This person must have access to all information pertaining to the generation of wastes in the various process areas.

3. Engineering Report/Facility Plan

The Engineering Report/Facility Plan must be reviewed and updated, if necessary, and whenever there is a change in operations or supervisory personnel during the year. Operation of the facility must be done in accordance with a DEQ-approved Plan. At a minimum, the Plan must include the items listed below.

- a. A written description of how the operation will comply with the permit conditions. The document must include:
 - i. A water balance calculation for the mining operation and for the sizing of the settling ponds. The water balance must include estimated volumes of: a) wastewater; storm

- water, and makeup water discharged to the ponds, b) infiltration and evaporation losses from the ponds, and c) recirculating from the ponds;
- ii. Methods of estimating water flow and volume as listed above;
- iii. Best Management Practices that will be used to prevent pond overflow and seepage from impacting waters of the State (for example, a berm along the creek).
- b. An engineered design or plot plan showing relative sizes and locations of streams, diversion ditches or channels, settling pond sizes and locations, proposed treatment practices, overburden stockpiles, side drainage ways, mining area(s), and final location of streams, ponds, etc.
- c. The name, address, and phone number of the person or persons responsible for supervising the mining operation on a day-to-day basis, referred to in Condition D.2(f) above.

4. Pond Solids Annual Report

The permittee must submit a Pond Solids Annual Report each year documenting removal of pond solids from the ponds during the previous calendar year. This report must include the volume of material removed and the name of the permitted facility that received the solids if different from the permittee.

5. Lagoon Leak Test

The permittee must submit a Lagoon Leak Test report one-time during the permit cycle as specified in Schedule B for each sediment trap lagoon. Leak testing must be completed using DEQ's *Guidelines for Estimating Leakage from Existing Sewage Lagoons* which is applicable to certain industrial operations with low strength wastewater. The report must include description of the test in line with the DEQ guidance, and a summary of results with estimated leak rate of each cell.

6. Re-opener Clause

This permit may be re-opened and modified to include new or revised discharge limitations, monitoring, or reporting requirements, compliance conditions and schedules, and special conditions. If necessary, DEQ will commence modification of this permit by notifying the permittee and seeking public comment on the proposed modifications.

SCHEDULE F: WPCF GENERAL CONDITIONS – INDUSTRIAL FACILITIES

SECTION A. STANDARD CONDITIONS

Duty to Comply with Permit

1. The permittee must comply with all conditions of this permit. Failure to comply with any permit condition is a violation of Oregon Revised Statutes (ORS) 468B.025 and grounds for an enforcement action. Failure to comply is also grounds for the Department to modify, revoke, or deny renewal of a permit.

Property Rights and Other Legal Requirements

2. Issuance of this permit does not convey any property rights of any sort, or any exclusive privilege, or authorize any injury to persons or property or invasion of any other rights, or any infringement of federal, tribal, state, or local laws or regulations.

Liability

3. The Department of Environmental Quality or its officers, agents, or employees may not sustain any liability on account of the issuance of this permit or on account of the construction or maintenance of facilities or systems because of this permit.

Permit Actions

4. After notice by the Department, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including but not limited to the following:
 - a. Violation of any term or condition of this permit, any applicable rule or statute, or any order of the Commission;
 - b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts.

Transfer of Permit

5. This permit may not be transferred to a third party without prior written approval from the Department. The Department may approve transfers where the transferee acquires a property interest in the permitted activity and agrees in writing to fully comply with all the terms and conditions of this permit and the rules of the Commission. A transfer application and filing fee must be submitted to the Department.

Permit Fees

6. The permittee must pay the fees required by Oregon Administrative Rules.

SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

Proper Operation and Maintenance

1. At all times the permittee must maintain in good working order and properly operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to comply with the terms and conditions of this permit.

Standard Operation and Maintenance

2. All waste collection, control, treatment, and disposal facilities or systems must be operated in a manner consistent with the following:
 - a. At all times, all facilities or systems must be operated as efficiently as possible in a manner that will prevent discharges, health hazards, and nuisance conditions.

- b. All screenings, grit, and sludge must be disposed of in a manner approved by the Department to prevent any pollutant from the materials from reaching waters of the state, creating a public health hazard, or causing a nuisance condition.
- c. Bypassing untreated waste is generally prohibited. Bypassing may not occur without prior written permission from the Department except where unavoidable to prevent loss of life, personal injury, or severe property damage.

Noncompliance and Notification Procedures

3. If the permittee is unable to comply with conditions of this permit because of surfacing sewage; a breakdown of equipment, facilities or systems; an accident caused by human error or negligence; or any other cause such as an act of nature, the permittee must:
 - a. Immediately take action to stop, contain, and clean up the unauthorized discharges and correct the problem.
 - b. Immediately notify the Department's Regional office so that an investigation can be made to evaluate the impact and the corrective actions taken, and to determine any additional action that must be taken.
 - c. Within 5 days of the time the permittee becomes aware of the circumstances, the permittee must submit to the Department a detailed written report describing the breakdown, the actual quantity and quality of waste discharged, corrective action taken, steps taken to prevent a recurrence, and any other pertinent information.

Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this permit or liability for failure to comply.

Wastewater System Personnel

4. The permittee must provide an adequate operating staff that is duly qualified to carry out the operation, maintenance, and monitoring requirements to assure continuous compliance with the conditions of this permit.

Public Notification of Effluent Violation

5. If effluent limitations specified in this permit are exceeded or an overflow occurs that threatens public health, the permittee must take such steps as are necessary to alert the public, health agencies and other affected entities (e.g., public water systems) about the extent and nature of the discharge in accordance with the notification procedures developed in accordance with General Condition B.6. Such steps may include, but are not limited to, posting of the river at access points and other places, news releases, and paid announcements on radio and television.

Emergency Response and Public Notification Plan

7. The permittee must develop and implement an emergency response and public notification plan that identifies measures to protect public health from bypasses or upsets that may endanger public health. At a minimum the plan must include mechanisms to:
 - a. Ensure that the permittee is aware (to the greatest extent possible) of such events;
 - b. Ensure notification of appropriate personnel and ensure that they are immediately dispatched for investigation and response;
 - c. Ensure immediate notification to the public, health agencies, and other affected entities (including public water systems). The response plan must identify the public health and other officials who will receive immediate notification;
 - d. Ensure that appropriate personnel are aware of and follow the plan and are appropriately trained;
 - e. Provide emergency operations: and
 - f. Ensure that DEQ is notified of the public notification steps taken.

SECTION C. MONITORING AND RECORDS

Inspection and Entry

1. The permittee must at all reasonable times allow authorized representatives of the Department to:
 - a. Enter upon the permittee's premises where a waste source or disposal system is located or where any records are required to be kept under the terms and conditions of this permit;
 - b. Have access to and copy any records required by this permit;
 - c. Inspect any treatment or disposal system, practices, operations, monitoring equipment, or monitoring method regulated or required by this permit; or
 - d. Sample or monitor any substances or permit parameters at any location at reasonable times for the purpose of assuring permit compliance or as otherwise authorized by state law.

Averaging of Measurements

2. Calculations of averages of measurements required for all parameters except bacteria must use an arithmetic mean; bacteria must be averaged as specified in the permit.

Monitoring Procedures

3. Monitoring must be conducted according to test procedures specified in the most recent edition of **Standard Methods for the Examination of Water and Wastewater**, unless other test procedures have been approved in writing by the Department and specified in this permit.

Retention of Records

4. The permittee must retain records of all monitoring and maintenance information, including all calibrations, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. The Department may extend this period at any time.

SECTION D. REPORTING REQUIREMENTS

Plan Submittal

1. Pursuant to Oregon Revised Statute 468B.055, unless specifically exempted by rule, construction, installation, or modification of disposal systems, treatment works, or sewerage systems may not commence until plans and specifications are submitted to and approved in writing by the Department. All construction, installation, or modification shall be in strict conformance with the Department's written approval of the plans.

Change in Discharge

2. Whenever a facility expansion, production increase, or process modification is expected to result in a change in the character of pollutants to be discharged or in a new or increased discharge that will exceed the conditions of this permit, a new application must be submitted together with the necessary reports, plans, and specifications for the proposed changes. A change may not be made until plans have been approved and a new permit or permit modification has been issued.

Signatory Requirements

3. All applications, reports, or information submitted to the Department must be signed and certified by the official applicant of record (owner) or authorized designee.

Twenty-Four Hour Reporting

4. The permittee must report any noncompliance that may endanger health or the environment. Any information must be provided orally (by telephone) within 24 hours from the time the permittee becomes aware of the circumstances, unless a shorter time is specified in the permit. During normal business hours, the Department's Regional office must be called. Outside of normal business hours, the Department must be contacted at 1-800-452-0311 (Oregon Emergency Response System).

The following must be included as information that must be reported within 24 hours under this paragraph:

- a. Any unanticipated bypass that exceeds any effluent limitation in this permit;
- b. Any upset that exceeds any effluent limitation in this permit;
- c. Violation of maximum daily discharge limitation for any of the pollutants listed by the Department in this permit; and
- d. Any noncompliance that may endanger human health or the environment.

A written submission must also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission must contain:

- e. A description of noncompliance and its cause;
- f. The period of noncompliance, including exact dates and times;
- g. The estimated time noncompliance is expected to continue if it has not been corrected;
- h. Steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance; and
- i. Public notification steps taken, pursuant to General Condition B.6.

The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

SECTION E. DEFINITIONS

1. *BOD* or *BOD₅* means five-day biochemical oxygen demand.
2. *CBOD* or *CBOD₅* means five-day carbonaceous biochemical oxygen demand.
3. *TSS* means total suspended solids.
4. *Bacteria* means but is not limited to fecal coliform bacteria, total coliform bacteria, *Escherichia coli* (*E. coli*) bacteria, and *Enterococcus* bacteria.
5. *FC* means fecal coliform bacteria.
6. *Total residual chlorine* means combined chlorine forms plus free residual chlorine
7. *Technology based permit effluent limitations* means technology-based treatment requirements as defined in 40 CFR § 125.3, and concentration and mass load effluent limitations that are based on minimum design criteria specified in OAR 340-041.
8. *mg/l* means milligrams per liter.
9. *µg/l* means microgram per liter.
10. *kg* means kilograms.
11. *m³/d* means cubic meters per day.
12. *MGD* means million gallons per day.
13. *Average monthly effluent limitation* as defined at 40 CFR § 122.2 means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
14. *Average weekly effluent limitation* as defined at 40 CFR § 122.2 means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

15. *Daily discharge* as defined at 40 CFR § 122.2 means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the daily discharge must be calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the daily discharge must be calculated as the average measurement of the pollutant over the day.
16. *24-hour composite sample* means a combination of at least six discrete sample aliquots of at least 100 milliliters, collected at periodic intervals from the same location, during the operating hours of the facility over a 24 hour period. Four (rather than six) aliquots should be collected for volatile organics analyses. The composite must be flow or time proportional, whichever is more appropriate. The sample aliquots must be collected and stored in accordance with procedures prescribed in the most recent edition of *Standard Methods for the Examination of Water and Wastewater*.
17. *Grab sample* means an individual discrete sample collected over a period of time not to exceed 15 minutes.
18. *Quarter* means January through March, April through June, July through September, or October through December.
19. *Month* means calendar month.
20. *Week* means a calendar week of Sunday through Saturday.

103289-PERM-AUBURNRANCH20221024

Final Audit Report

2022-10-24

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