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**PERMIT FACT SHEET**

**FOR PERMIT NO. XX**

**Date: Date**

**Permit Issuance Date:** Date

**Permit Effective Date:** Date

**Permit Expiration Date:** Date

**Permit Amendment Date:**

# GENERAL INFORMATION

1. Name: Name

**Site Address:** Address

City, CA Zip

**Mailing Address:** Address

City, CA Zip

**Authorized Representative:** Name, Title

**Contact Phone:** Number

**Contact Email:** Email

**Delegated Authority:** Name, Title

**Contact Phone:** Number

**Contact Email:** Email

**NAICS:** Code – Description

1. Brief description of type of industry and product(s) produced**.**

Include any additional description needed including general hours of operation, and when current operation began.

A facility overview plot plan or aerial map is provided in ***Attachment H.1.***

1. User Classification

Include basis of why or why not the IU is a CIU, an SIU or an IU. Include basis for new source/existing source if CIU. If the IU is a CIU, a brief review of the BMR on file should be made to determine whether the current category is still applicable.

It is important to note of any process changes which may have been made during the permit term that may affect whether a CIU needs to be converted from an existing source to a new source. An IU that discharges or initiates construction after the publication of the proposed rule is considered a new source. An existing source that makes facility modifications (such as a new production line) must be re-categorized as a new source. Any changes at an existing source such as upgrading the pretreatment system, a change in ownership, or replacing tanks for maintenance purposes would not require re-categorization as a new source.

(Note any reasons for off normal permit durations (compliance schedule etc.). Normal is SIUs – 2 years and IUs – 4 years).

1. Processes

Description

Brief description of plant processes. (Including all industrial sources of wastewater generation as separate waste streams, if applicable.) (Also specifically call out any “side” streams, (e.g., RO CIP, any non-routine processes that create a potential pH issue). (Use the plant nomenclature and use side stream as a parenthetical.) (As applicable, describe any reclaimable wastewater as well).

Process Flow Diagram included in ***Attachment H.2.***

### Process Flows

 **PROCESS FLOW est.**

 XXXX XX MGD

### Wastewater Flows

 **WASTEWATER FLOW est.**

 ***SAWPA Industrial Process Wastestreams***

XXXX XX MGD

 ***SAWPA Industrial Non-Process Wastestreams***

 XXXX XX MGD

Indirects – At no time during the current permit term did the total discharge for any given day exceed 25,000 gallons per day (if applicable). Approximately (number) batch of (volume in MGD) is discharged every (number) days on average.

1. Pretreatment/Other

### Pretreatment (equipment, pH control etc.)

The pretreatment equipment for this facility includes: XX

### Flow measurement (type of effluent flow meter – who owns/who calibrates)

Flow meters or flow measuring equipment at this facility includes: XX

Indirect Example: Flow is measured and recorded at the Collection Station through a magnetic flow meter owned and maintained by Agency Acronym. In the event that the Agency Acronym Collection Station meter is inoperable during discharge the flow for billing shall be calculated via the total Liquid Waste Hauler truck tank capacity. The Permittee is required to report flow for each discharge to the Collection Station via an Inland Empire Brine Line Manifest Form.

### Stormwater Management

(No stormwater is discharged to the Brine Line from this facility. Any stormwater generated on-site is discharged to the municipal stormwater system or...)

Or

(Describe if/how stormwater can enter the Brine Line. (See SAWPA Procedures Section 5.2.7.4)

### Spill Containment

Describe chemical storage/hazardous material storage and spill containment.

### Reclaimable Wastewater

Describe any reclaimable wastewater discharges or potential discharges to the Brine Line. Reasonable efforts should be made to minimize reclaimable wastewater

Examples: Less than sixty (60) gallons a day of domestic waste discharged to the Brine Line from this facility, as there is no city owned sanitary sewer in the immediate vicinity of the facility.

The local POTW local limit for TDS is 550 mg/L. Based on the representative sample data collected from this facility over the past two years, the average TDS for the process waste flows is 4,573 mg/L. This concentration of TDS exceeds the local POTW local limit concentration of 550 mg/L.

### Wastewater from Outside SAWPA Services Area

Describe any existing or potential for wastewater discharges to the Brine Line from outside the SAWPA service area.

Generally: No wastewater originating from outside SAWPA’s service area will be discharged to the Brine Line from this facility.

1. Brine Line Connection(s)

|  |  |
| --- | --- |
| *Outfall* | *Description and Location* |
| 001 |  Description |

1. Contracted Treatment and Disposal Capacity (If Applicable)

Contracted Treatment & Disposal Capacity XX MGD

Additional BOD/TSS CapacityXX lbs. BOD/day

 XX lbs. TSS/day

Reference: Contract information: XX Date: XX

# B. DISCHARGE LIMITATION REQUIREMENTS AND MONITORING REQUIREMENTS

| **Table 1 - Discharge Limitations & Monitoring Requirements Monitoring Point 001** |
| --- |
| **POLLUTANT** | **LOCAL NON-DOMESTIC WASTEWATER LIMITATIONS**  | **MONITORING FREQUENCY** | **SAMPLE TYPE1** |
| **DAILYMAXIMUM**  | **UNITS** |
| Flow (Purchased Capacity) | Number | MGD | Continuous | Flow Meter |
| pH2 | 6.0 **-** 12.0  | S.U. | Note 3 | Grab |
| Ammonia | Report | mg/L | S | Composite |
| Biochemical Oxygen Demand (BOD)4 | Note 5 | mg/L | S | Composite |
| Total Suspended Solids (TSS) 4 | No Limit  | mg/L | S | Composite |
| Hardness - Total | No Limit  | mg/L | S | Composite |
| Total Dissolved Solids (TDS) | No Limit  | mg/L | S | Composite |
| Volatile Suspended Solids (VSS) | No Limit  | mg/L | S | Composite |
| Arsenic | 2.0 | mg/L | S | Composite |
| Cadmium | 1.0 | mg/L | S | Composite |
| Chromium - Total | 20.0 | mg/L | S | Composite |
| Copper | 3.0 | mg/L | S | Composite |
| Lead | 2.0 | mg/L | S | Composite |
| Mercury | 0.03 | mg/L | S | Composite |
| Molybdenum | 2.3 | mg/L | S | Composite |
| Nickel | 10.0 | mg/L | S | Composite |
| Selenium | 3.9 | mg/L | S | Composite |
| Silver | 15.0 | mg/L | S | Composite |
| Zinc | 10.0 | mg/L | S | Composite |
| Cyanide - Total | 5.0 | mg/L | S | Grab |
| Sulfide -Dissolved | 0.5 | mg/L | S | Grab |
| Sulfide - Total | 5.0 | mg/L | S | Grab |
| Oil/Grease - Mineral/Petroleum6 | 100.0 | mg/L | S | Grab |
| Fats, Oils, and Grease (FOG)6 | 500.0 | mg/L | S | Grab |
| 1,4-dioxane | 1.0 | mg/L | S | Composite |
| Pesticides7 | 0.01 | mg/L | S | Grab |
| Polychlorinated Biphenyls8 (PCBs) | 0.01 | mg/L | S | Grab |

|  |
| --- |
| Notes to Table 1:Abbreviations: A = Annual, S = Semi-Annual, Q = Quarterly, ED = Each Discharge, NR = Not Required, N/A = Not Applicable 1. Composite sampling shall be 24-hour composites conducted using an automatic sampling device capable of collecting samples at 15-minute intervals during all hours of discharge during the day. A grab sample shall be an individual sample collected in less than 15 minutes.

2. Any pH discharge less than or equal to 2.0 Standard Units (S.U.) or greater than or equal to 12.5 S.U. is subject to the hazardous waste reporting criteria required by 40 CFR 403.12(p).3. pH sample shall be taken at each sampling event and measured using a calibrated pH meter.4. The Permittee may be subject to BOD and TSS surcharges for concentrations or pounds depending on the billing agreements.5. The BMP demonstration value for BOD is 12,000 mg/L average daily concentration during any month. 6. The same sample shall be analyzed for both Polar (FOG) and Non-Polar (Oil & Grease- Mineral/Petroleum) using EPA Method 1664A.7. Pesticides comprise the following: Aldrin, α-BHC, β-BHC, δ-BHC, γ-BHC, Chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Heptachlor, and Heptachlor Epoxide, Toxaphene.8. Polychlorinated Biphenyls comprise the following: PCB-1016, PCB-1221, PCB-1232, PCB-1242, PCB-1248, PCB-1254, and PCB-12609. Monitoring to be conducted as outlined in Permit Section VI.D and Permit Fact Sheet Section B.1.e.10. The Permittee is required to report flow for each discharge to the Collection Station via an Inland Empire Brine Line Manifest Form. In addition, flow is confirmed and measured for compliance and billing purposes via the Collection Station Flow Meter.11. The Permittee cannot separate the SAWPA Industrial Process Wastestreams from the SAWPA Industrial Non-Process Wastestreams prior to the monitoring point. The SAWPA Wastestream Correction Formula (WCF) has been applied to determine the applicable discharge limitations. |

1. **Discharge Limitations/Monitoring Requirements Basis**

### Constituents Monitored and Basis

Example: The discharge limits are standard local limits under SAWPA Resolution 2017-11 or any successors thereto, and the standard billing constituents are included in self-monitoring (BOD, TSS and Hardness). Local Limit metals, pH, BOD, TSS, TDS, VSS, Ammonia, and Hardness are monitored on a quarterly basis (control authority sampling) and semi-annual basis (self-monitoring).

### Brine Line Investigatory Sampling

Example: N/A or In addition to the normal Control Authority sampling, samples may be collected and analyzed for special studies and may include the following constituents. Calcium (total and dissolved), Alkalinity, and Orthophosphate may be analyzed by the Control Authority to collect information related to ongoing Brine Line studies. The sample type is a grab sample.

* 1. **Constituents Not Monitored and Basis**

Describe

### BMP Applicability

N/A or Describe

### Special Sampling Protocols (If Applicable)

N/A or Describe or

* + 1. Batch discharges from a holding tank shall be homogeneous and representative of daily operations.  It has been determined that the wastewater that is contained in the holding tanks prior to sampling is considered homogenous. As such, the Permittee shall conduct monitoring from each wastewater storage tank at Monitoring Point 001 for each load transported to the Collection Station during a 24-hour period as follows:
1. An individual grab sample shall be used to evaluate compliance and be considered a composite sample for compliance purposes.  A grab sample is an individual sample collected in less than 15 minutes.
2. If multiple batch discharges are made within a 24-hour period and sampling is performed, sampling shall be conducted on all batch discharges within the 24-hour period and submitted via a Self-Monitoring Report Form.
3. The compliance determination on the Self-Monitoring Report Form for 24-hour periods with multiple batch discharge and sampling is performed shall be calculated as a flow-weighted average concentration of all the monitoring performed.
4. To calculate the flow-weighted concentration for each 24-hour period, the following equation shall be used:

$$FWC \left({mg}/{L}\right)= \sum\_{i=1}^{n}\left[Composite Concentration \left({mg}/{L}\right)\_{Batch i}×\frac{Batch Volume \left(gallons\right)\_{Batch i}}{Total Volume Discharged for 24-Hour Period \left(gallons\right)}\right]$$

Where:

***FWC*** shall mean Flow-Weighted Concentration

***Composite Concentration*** shall mean the concentration of each individual Batch as performed in Permit Section (VII.D.1.a for a SIU or VI.D.1.a for an IU).

***Batch i*** shall mean each individual batch discharge monitored during the 24-hour period where i = Batch 1 through Batch n

***n*** shall mean the total number of batch discharges during the 24-hour period.

***Total Volume Discharged for 24-Hour Period*** shall mean the sum of each Batch Volume i through n.

The flow-weighted average concentration shall be reported via a Self-Monitoring Report Form. The Permittee shall also report each individual constituent concentration and each individual batch volume for each individual batch discharged during the 24-hour period that is used in the flow-weighted concentration calculation.

### SAWPA Wastestream Correction Formula

Describe applicability for SAWPA Wastestream Correction Formula

Examples:

N/A

Or

Permittee name cannot separate the SAWPA Industrial Process Wastestreams from the SAWPA Industrial Non-Process Wastestreams, industrial wastewaters from the boiler blowdown and water softener reject, prior to the monitoring point. The SAWPA Wastestream Correction Formula (WCF) has been applied to determine the applicable discharge limitations:

$$C\_{A}=\frac{C\_{C}(\sum\_{N=1}^{M}F\_{N})}{F\_{T}}$$

Where: CA = Adjusted Local Limit to account for Industrial Non-Process Wastestream(s)

 CC = Local Limit for the pollutant constituent

 FN = Average daily flow for SAWPA Industrial Process Wastestream N

 FT = Average daily flow through the sample point

 M = Total number of SAWPA Industrial Process Wastestreams

or

Pursuant to SAWPA Ordinance 8, Section 103.A 102,

*“SAWPA Industrial Non-Process Wastestream or Industrial Non-Process Wastestream**shall mean a wastestream which includes boiler blow-down streams, non-contact cooling streams, storm water, demineralized backwash/RO rejects and sanitary wastestreams. For those facilities with wastestreams composed only of the wastestreams listed above these Industrial Non-Process Wastestreams will be permitted equivalent to Industrial Process Wastestreams.”*

As the facility wastestream is composed of only SAWPA Industrial Non-Process Wastestreams, as identified in A.4.b., the facility will be permitted equivalent to Industrial Process Wastestreams and the SAWPA Wastestream Correction Formula shall not be employed.

## Monitoring Location(s)

Provide description and picture [as attachment] of location(s). Specify if flow is monitored and/or read at a different location. Ensure that it is clear if it is end of pipe, end of process or other. If billing monitoring is performed at a different location, then specify this as well.

Photograph(s) of the monitoring point are included in ***Attachment H.3.***

## Monitoring Frequency

The monitoring frequency for each of the constituents to be monitored is listed above in Section B, Table 1.

(Specify the basis for the self-monitoring frequency listed in the permit (e.g., compliance history, OCSD direction, 40 CFR 403, etc.)

## Additional Monitoring Information

### Sample Collection

Based on a review of sample data, time proportional composite sampling has been determined to be representative of the Permitee’s wastewater discharged to the Brine Line and is authorized by SAWPA.

Self-Monitoring samples are collected by XXXXX. If samples are collected by the Permittee document that the sample collection SOPs have been reviewed by the Control Authority.

Control Authority Samples are collected by XXXXX.

# C. REPORTS

## Self-Monitoring Reports

Example:

Self-Monitoring is required of the Permittee. Refer to the permit for required submittals and due dates. All required monitoring shall be completed within the first month of the first and third quarters, (January and July), to ensure meeting reporting requirements. If the Permittee chooses to perform self-monitoring, in lieu of a contracted laboratory, a report detailing the sample collection and preservation procedures must be submitted to **SAWPA** for review and approval prior to any sample collection. All reports must be submitted no later than the 7th day of the month for the preceding monitoring period.

## Flow Reports

Example:

Monthly flow reports are required to be submitted to SAWPA on a monthly basis. All reports must be submitted no later than the 7th day of the month for the preceding month.

Or

Flow is reported by the industry on wastehauler manifests. Additionally, flow is measured and recorded at the Collection Station through a magnetic flow meter owned and maintained by Agency Acronym.

## Emergency Contact List and Contingency Plan

The Permittee is required to submit, and retain a copy on-site, a Contingency Plan that details the actions that will be taken in the event of an emergency or other event that causes SAWPA, or OCSD to shut down the Brine Line. Said Plan shall include, but is not limited to the following:

* 1. A list of names and telephone numbers of emergency contacts that can be reached 24 hours a day. The Permittee shall provide SAWPA, on a semi-annual basis by January 31 and July 31, a list containing the names and phone numbers of contacts who can be reached 24 hours a day in the event of an emergency with the Brine Line discharge.
	2. A written plan that describes all available alternatives to discharging to the Brine Line, including on-site storage, hauling, ceasing the discharge, or directing all wastewater flows away from the Brine Line. The Permittee shall develop such plan, update, and provide to SAWPA, annually by January 31.

## Special Reports

N/A or Describe

# D. FACILITY WASTE MANAGEMENT PLAN

The FWMP shall be updated whenever changes occur in any of the addressed areas; chemicals are added or replaced; processes or plumbing are rerouted or changed; pretreatment facilities are modified or replaced; operations and/or maintenance procedures are modified; or personnel listed in the plan are replaced, changed, or removed. The FWMP shall be reviewed by the Permittee at least annually, unless otherwise specified. It shall be either updated and resubmitted or there shall be written certification submitted stating that no change in the FWMP has occurred.

Provide basis relative to which items listed in the Ordinance contents of the Facility Waste Management Plan (FWMP) are or are not required. The specific requirements for FWMP are listed in the current SAWPA Ordinance. In addition, list if the document is required to be submitted for approval/was submitted, or permit allows the document to be maintained on site and available for inspection.

Toxic Organic Management Plan (TOMP) – Not Required

Slug Discharge Prevention Control Plan (SDPCP) – Not Required

Pretreatment Systems Operations and Maintenance Manual – Not Required

Hazardous Materials and Hazardous Waste Management Plan – Not Required

Waste Minimization/Pollution Prevention Plan (WM/PPP) – Not Required

# E. SPECIAL CONDITIONS

## Describe applicability and basis for permit special conditions

 Common for SIUs:

## Slug Discharge Prevention Control Plan Submittal

## Within thirty (30) days of the permit effective date, the Permittee shall submit an updated Slug Discharge Prevention Control Plan for review and acceptance by the Control Authorities as outlined in Section IX.H.

**F**. **SPECIAL CONSIDERATIONS/REQUIREMENTS**

Provide details of any special site entry conditions or safety requirements.

**G.** **HISTORICAL INFORMATION/COMPLIANCE HISTORY**

Include pertinent permit history (e.g., historical enforcement actions that have influenced the permit or design).

# H. ATTACHMENTS

Any supporting documentation that supports the determination of permit conditions should be included as separate attachments. This includes, but is not limited to plot plan, process flow diagram, pretreatment system plans, production data (if applicable), calculation of production based on discharge limits, historical flow/monitoring summaries etc.)

1. Aerial Photo
2. Process Flow Diagram
3. Monitoring Point Photo(s)
4. OCSD Concurrence Conditions Resolution

Originator: Date:\_

Title:

Agency Reviewer: Date:\_

Title:

SAWPA Reviewer: Date:\_

Title:

**Attachment H.1**

Aerial Photo

**Attachment H.2**

Process Flow Diagram

**Attachment H.3**

Monitoring Point Photo(s)

**Attachment H.4**

**OCSD Concurrence Conditions Resolution**

1. Concurrence Condition

Resolution: Description.