



Central Coast Regional Water Quality Control Board

November 17, 2020

City of Salinas
Brian Frus
200 Lincoln Avenue
Salinas, CA 93901
E-mail: brianf@ci.salinas.ca.us

Sent via Electronic Mail

Dear Mr. Frus,

CITY OF SALINAS INDUSTRIAL WASTEWATER TREATMENT FACILITY, DAVIS ROAD AT RIVER CROSSING, SALINAS, MONTEREY COUNTY - NOTICE OF APPLICABILITY, ENROLLMENT IN GENERAL WASTE DISCHARGE REQUIREMENTS ORDER NO. R3-2004-0066 FOR DISCHARGES OF FRUIT AND VEGETABLE PROCESSING WASTE AND TRANSMITTAL OF REVISED MONITORING AND REPORTING PROGRAM

Central Coast Regional Water Quality Control Board (Central Coast Water Board) staff reviewed the City of Salinas' Report of Waste Discharge and Notice of Intent (received on May 3, 2018, with addendums August 30, 2020 and September 12, 2020) to obtain coverage under General Waste Discharge Requirements Order No. R3-2004-0066 for Discharges of Fruit and Vegetable Processing Waste (General Permit). According to the information provided, the discharge meets the conditions of the General Permit.

The discharge is currently regulated under Waste Discharge Requirements Order No. R3-2003-0008 (existing permit). The City of Salinas' effective date of enrollment in the General Permit will be the date the existing permit is terminated. Until the existing permit is formally terminated by the Central Coast Water Board, the City of Salinas must continue to comply with the conditions of the existing permit and is not required to comply with the conditions in the General Permit. Prior to the termination of the existing permit, the City of Salinas may test the stormwater collection system if they follow the requirements in the General Permit and collect data in accordance with the attached monitoring and reporting program.

This letter serves as a notice of applicability for enrollment in the General Permit. Attachment 1 includes site specific requirements and facility information, Attachment 2 includes process flow diagrams and a map of the facility and discharge areas, and Attachment 3 includes the revised Monitoring and Reporting Program.

DR. JEAN-PIERRE WOLFF, CHAIR | MATTHEW T. KEELING, EXECUTIVE OFFICER

The City of Salinas must comply with the following:

1. **General Permit** –The City of Salinas must comply with all conditions and requirements of the General Permit. As described in the General Permit ongoing operation, maintenance, monitoring, and reporting are required. A copy of the General Permit is available electronically at the following link:

https://www.waterboards.ca.gov/centralcoast/board_decisions/adopted_orders/2004/r3-2004-0066.pdf

2. **Monitoring and Reporting Program** – The City of Salinas must comply with the requirements of the revised Monitoring and Reporting Program Order No. R3-2006-0044 (Attachment 3). The City of Salinas must submit monthly monitoring reports to the Central Coast Water Board **by the last day of the following month** being reported, and an **Annual Report by January 30th**.

The City of Salinas is required to submit all documents and reports in a searchable PDF format and laboratory data in EDF (electronic data format) electronically via the GeoTracker database.

http://www.waterboards.ca.gov/ust/electronic_submittal/index.shtml

Each report submitted via email and GeoTracker must include the transmittal sheet found at the link below as the cover page:

https://www.waterboards.ca.gov/centralcoast/water_issues/programs/wastewater_permitting/docs/transmittal_sheet.pdf

3. **Fees** –The City of Salinas must also an annual fee to maintain coverage in the General Order. Annual fees are determined by the State Water Resources Control Board's fee program and cover the state fiscal year of July 1 through June 30. Your current annual fee is \$6,409. A copy of the current state fee schedule is available electronically at the following link:

https://www.waterboards.ca.gov/resources/fees/water_quality/#wdr

The Salinas IWTF is currently assigned a threat and complexity rating of 3B.

4. **Termination and Notification** –Termination of R3-2003-0008 and notification of your enrollment in the General Permit is scheduled for the December 10-11, 2020 Central Coast Water Board meeting. Meeting agendas and information are available on our website at:

http://www.waterboards.ca.gov/centralcoast/board_info/agendas/

5. **Future Discharge Modifications** – Pursuant to Water Code section 13260, you must file a report of waste discharge or secure a waiver from the Central Coast Water Board Executive Officer at least 120 days prior to making any material change or proposed change in the character, location, or volume of your discharge. If there are any significant changes in either treatment or disposal methodologies, or the volume or character of the treated wastewater, you must notify the Central Coast Water Board immediately of such changes.
6. **Certified Operator** – The City of Salinas is required to comply with the operator certification requirements¹ administered by the Office of Operator Certification. The City of Salinas is currently required to have a Class I certified operator onsite to maintain and operate the treatment system.
7. **Responsible Party** – The City of Salinas is responsible for the management and disposal of the wastewater in compliance with the conditions of the General Permit. Any noncompliance with this General Order constitutes a violation of the California Water Code and subjects the City of Salinas to enforcement action and termination of enrollment under this General Order.

If you have any questions, please contact **Kristina Olmos at (805) 549-3121 or by email at Kristina.Olmos@waterboards.ca.gov**, or Jennifer Epp at (805) 594-6181 or by email at Jennifer.Epp@waterboards.ca.gov.

Sincerely,

for Matthew T. Keeling
Executive Officer

Attachment:

1. Site-Specific Requirements and Facility Information
2. Process Flow Diagrams and Map of Facility and Discharge Areas
3. Revised Monitoring and Reporting Program No. R3-2004-0066

cc:

Gary Gabriel, City of Salinas garyg@ci.salinas.ca.us
Joe Albertoni, City of Salinas joea@ci.salinas.ca.us
David Jacobs, City of Salinas davidj@ci.salinas.ca.us
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¹ Title 23 Division 3. Chapter 26 Wastewater Treatment Plant Classification, Operator Certification and Contract Operator Registration.

https://www.waterboards.ca.gov/water_issues/programs/operator_certification/docs/ocr_clean.pdf

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WDR Program File, RB3-WDR@waterboards.ca.gov *Geotracker*

ECM/CIWQS Place = CW- 255085

GeoTracker No. = WDR100035506

ECM Subject Name = NOA General Permit for City of Salinas Industrial
\\ca.epa.local\rb\rb3\shared\wdr\wdr facilities\monterey co\salinas industrial
wwtp\generalorder2020\noa_salinas_2020_final.docx

ATTACHMENT 1

SITE-SPECIFIC REQUIREMENTS AND FACILITY INFORMATION

1. Site Specific Requirements and Limits

The City of Salinas must operate the Industrial Wastewater Treatment Facility (IWTF) in accordance with the General Permit and this notice of applicability.

- **Flow Limits:** The City of Salinas must comply with the flow limits in Table 1. Influent flow includes the combined fruit and vegetable processing wastewater (or industrial wastewater) and urban stormwater runoff.

Table 1. Flow Limits

Location / Description	Limit (MGD)	Legal Requirement
Influent Flow (average monthly)	4.0	General Permit Section D. Specifications 11. Effluent Limits
Influent Flow (max daily)	6.8	General Permit Section D. Specifications 11. Effluent Limits

MGD = million gallons per day

- **Groundwater Objectives:** The City of Salinas must manage the facility to comply with the Water Quality Control Plan for the Central Coastal Basin (Basin Plan). Specifically, the City of Salinas must comply with section 3.3.4 Objectives for Groundwater where the discharge occurs. The facility overlies the Salinas Valley Groundwater Basin, 180-foot subbasin. The Basin Plan's groundwater objectives for the aquifer are included in Table 2.

Table 2. Basin Plan, Median Groundwater Objectives

Constituent	Median Groundwater Objectives for 180-foot aquifer (mg/L)
Total Dissolved Solids (TDS)	1,500
Sodium	250
Chloride	250
Sulfate	600
Boron	0.5
Total Nitrogen as N	1

mg/L = milligrams per liter

- **Wastewater Disposal Use Change:** The City of Salinas must comply with the Division of Water Rights, Change Petition WW0089, Order Approving Change in Place of Use, Purpose of Use, and Quantity of Discharge dated November 30, 2015.

2. Wastewater Treatment Facility Information

General information regarding the facility is summarized in Table 3.

Table 3. Wastewater Treatment Facility Information

Facility Name	Salinas Industrial Wastewater Treatment Facility (IWTF)
Location	Davis Road at River Crossing
Mailing Address	200 Lincoln Avenue, Salinas, CA 93901
APN	207-201-001-000 and 207-201-0020
LAT/LONG	36°39'28"N / 121°42'55"W
Facility Owner, Landowner & Discharger	City of Salinas
Legally Responsible Party, Contact	City of Salinas, Brian Frus, Senior Engineer
Operator	City of Salinas, Gary Gabriel, Wastewater Manager
Design Flow	4.0 million gallons per day (MGD) monthly average dry weather; 6.8 MGD peak daily flow
Baseline Flow (for 2019)	2 MGD average; 4.3 MGD daily maximum
Wastewater Storage Capacity	263 million gallons
Type of Waste	Industrial process from fruit and vegetable facilities and urban stormwater runoff

The IWTF consists of a treatment lagoon, an emergency holding pond, three disposal/polishing ponds, drying beds, and emergency rapid infiltration beds as shown in Attachment 2 and described in Table 4. The system was designed to reduce biochemical oxygen demand (BOD₅) by 90%, the design BOD₅ loading rate is 22,500 pounds per day and the design suspended solids loading rate is 13,800 pounds per day. Total storage capacity is about 263 million gallons and maximum percolation to groundwater rate is 4.4 MGD from all three ponds.

Table 4. Wastewater Design

Treatment and Disposal Components	Description and Design Parameters
Headworks/Preliminary Treatment	Bar screen for solids; three 4.0 MGD pumps

Treatment and Disposal Components	Description and Design Parameters
Aeration Lagoon	<ul style="list-style-type: none"> • Facultative aeration lined lagoon • Lagoon aerated to 1/3 of water depth by 12, 50-horsepower surface aerators • 130 acre-feet total volume, 13 acres and 10 feet deep • 10-day retention time • Designed for monthly flow of 4.0 MGD • 2-foot freeboard required
Wastewater Disposal/Polishing Pond 1, Pond 2, and Pond 3	<ul style="list-style-type: none"> • Three percolation/evaporation ponds in series • Surface area total 110 acres, water depth 7 to 10 feet deep at capacity • Maximum disposal capacity is 2.7 MGD, but varies depending on weather, depth to pond water, depth of groundwater • 2-foot freeboard required
Wastewater Percolation “Drying” Beds	54 percolation or “drying” beds with surface area of 67 acres Design disposal capacity of 1.7 MGD
Wastewater Recycling Offsite	A pump station in Pond 3 can convey wastewater to Monterey One Water’s Regional Treatment Plant, where it is further treated for recycling
Emergency Disposal (rapid infiltration beds)	Three rapid infiltration beds are present but cannot be used without Executive Officer approval prior to discharge
Solids Production and Handling	Sludge from the facultative lagoon is temporarily stored and dried onsite for landfill disposal

Background

Since 1970, the City has operated the IWTF to collect, treat and discharge wastewater from industrial facilities (mainly fruit and vegetable packing plants) from a service area on the southern end of the City. Prior to 2016, the City discharged all treated wastewater to three large percolation ponds or the shallow rapid infiltration beds near the Salinas River.

Since 2015, the City, in cooperation with Monterey One Water, began diverting a portion of their industrial process wastewater to the City sewer and the Regional Treatment Plant in Marina, California. Monterey One Water further treats the water at the Regional Treatment Plant and recycles it for agricultural irrigation or groundwater replenishment. Wastewater is only pumped to the Regional Treatment Plant when the demand by recycled water users is present, which is generally during months with less rainfall (April to October). With industrial wastewater flows being diverted for part of the year, the IWTF has storage and disposal capacity available. A total of 1,390 million gallons was diverted to the Regional Treatment Plant between 2015 and 2017.

On May 3, 2018, the City, in cooperation with Monterey One Water, submitted a Report of Waste Discharge for treatment plant modifications. The City requested authorization to divert urban stormwater runoff throughout the year to the IWTF and mix it with the industrial process water. A portion of the treated stormwater and industrial water will percolate and evaporate in the disposal ponds. Generally in the dry season, a portion will be pumped to the Regional Treatment Plant for further treatment and recycling. If the IWTF is at full capacity (for example, during heavy industrial discharge processing and/or significant and successive rain events) stormwater will be diverted directly to the Salinas River via the City's existing stormwater pipeline. The City is currently enrolled in Order No. R3-2019-0073, National Pollutant Discharge Elimination System (NPDES) Permit No. CA0049981, Waste Discharge Requirements for City of Salinas Municipal Stormwater Discharges for stormwater discharge to the River.

As of September 2020, with the completion of a pump station drawing water from Pond 3, water stored in the treatment ponds over the winter can now be pumped to the Regional Treatment Plant for further treatment and recycling.

A simplified process flow diagram for the industrial wastewater and stormwater collection, treatment and disposal options are included in Figure 1. The dotted line indicates the components and discharge regulated by the General Permit.

City of Salinas Responsibility

- The City of Salinas is responsible for stormwater collection, transport and to coordinate with Monterey One Water to approve diversions from the stormwater collection system to the IWTF for treatment, storage and/or disposal.
- The City of Salinas is directly responsible for industrial wastewater collection, transport, treatment, and disposal from each industrial user (indirect dischargers) connected to the system. It is incumbent upon the City of Salinas to protect the environment to the greatest degree possible and ensure its industrial system is protected and utilized properly. This responsibility includes preventing overflows and may include restricting or prohibiting the volume, type, or concentration of wastes added to the system.
- The City of Salinas is no longer responsible for the wastewater once it is discharged into the Monterey One Water system from the IWTF via the Pond 3 Pump Station to the Regional Treatment Plant.

Process Wastewater Characteristics

There are two sources of wastewater: industrial process wastewater from fruit and vegetable packing and processing users via permitted connections; and urban stormwater runoff.

Industrial Wastewater

- The Facility treats fruit and vegetable processing wastewater from 23 fruit and vegetable processors, packers, and coolers; two cardboard box manufacturers; and one seafood processor.

- Average influent flows range from 2.3 MGD to 2.7 MGD. Maximum daily flows range from 4.1 MGD to 4.3 MGD.
- The main wastewater pollutants that are monitored to ensure protection of groundwater include: BOD₅, total dissolved solids (TDS), pH, total nitrogen, Trihalomethanes (THMs), and Haloacetic Acids (HAA).

Stormwater Diversion Project

- Stormwater runoff from the southern portion of the City is a new source of inflow to the IWTF for 2020.
- New stormwater diversion structures allow for diversion of primarily dry weather flow and first flush wet weather flow that would otherwise be discharged directly to the Salinas River.
- During wet weather, an average daily stormwater flow of between 0.18 MGD (drought) and 0.55 MGD (wet year) and a peak daily flow of approximately 4.2 MGD is expected during a storm event. Therefore, stormwater may account for a maximum of 80% of the total daily flow during wet weather events but only 5% of the total monthly flow, and even less for the total annual flow.
- The Salinas River stormwater pump station (309U19) can be diverted to the IWTF and is downstream of a 1,660-acre catchment draining approximately 13% of the municipal stormwater covered in the City's stormwater permit.
- Stormwater pollutants may slightly change the quality of wastewater, and additional constituents (including metals, pesticides, and fecal coliform) and flow will be monitored to ensure protection of groundwater.

Process Water Quality

A summary of select constituents in the influent and effluent are included in Table 5. The influent and effluent data is representative of process wastewater without stormwater runoff, as it is historical.

Table 5. Average Wastewater Quality Concentrations (mg/L)^a

Pollutant	Influent Industrial Wastewater (2013 to 2017) ^b	Effluent Industrial Wastewater (2018 to 2019) ^c	Effluent Industrial Wastewater (2013 to 2014) ^b	Stormwater Quality (2014-2017) ^d	Groundwater Reference Concentration
pH	8.12	8.0	8.1	7.65	6.5 – 8.4 (Basin Plan, Agr. Use)
Five Day Biochemical oxygen demand (BOD ₅)	472	22	22	Not monitored	Not applicable

Pollutant	Influent Industrial Wastewater (2013 to 2017)^b	Effluent Industrial Wastewater (2018 to 2019)^c	Effluent Industrial Wastewater (2013 to 2014)^b	Stormwater Quality (2014-2017)^d	Groundwater Reference Concentration
Total Suspended Solids (TSS)	77	17	50	48	Not applicable
Total Dissolved Solids (TDS)	1270	810	1088	790	1,500 Basin Plan; 1,000 Primary MCL ^e
Sodium	176	152	231	Not monitored	250 (Basin Plan Table 3-6)
Chloride	213	177	307	Not monitored	250 (Basin Plan Table 3-6)
Sulfate	163	152	210	Not monitored	600 (Basin Plan Table 3-6); 250 MCL
Boron	0.19	0.19	0.25	Not monitored	0.5 (Basin Plan Table 3-6)
Nitrate (as N)	Not monitored	1.0	0.9	8.1	10 (MCL)
Total Nitrogen	Not monitored	8.0	7.35	9.9	1 (Basin Plan Table 3-6)
Copper	Not monitored		0.006	11.37	1.3 (MCL)
Total Haloacetic acids (HAA)	Not monitored	0.002	Not monitored	Not monitored	0.060 (MCL)
Total Trihalomethanes (THM)	Not monitored	0.226	Not monitored	Not monitored	0.080 (MCL)

- all results in milligrams per liter (mg/L), except pH units
- Data obtained from the City of Salinas' May 5, 2018 Report of Waste Discharge
- Averages calculated based on all submitted data in the 2018 and 2019 self-monitoring reports.
- Based on stormwater monitoring data collected as part of the City's NPDES permit. Future stormwater quality at the influent is expected to be similar.
- MCL = maximum contaminant level or drinking water standard.

Solids Disposal

Solid wastes generated from the treatment system consist of filtered solids at the bar screen and sludge within the facultative Aeration Lagoon. Solids from the bar screen must be properly disposed offsite. Pumped sludge is temporarily stored and dried onsite until transport to an appropriate permanent location such as a landfill is possible.

Pretreatment

The City of Salinas is required to maintain a pretreatment program for source control and compliance monitoring. The City requires pretreatment of wastewater from industries prior to discharge to the treatment facility. Pretreatment consists of solids screening for fruit and vegetable processors, oil and grease removal for the seafood processor, and metals removal for the box companies. The City requires significant dischargers monitor for metals, pH, chloride and TDS, and has effluent limits for various pollutants. The City must consider additional effluent limits for any pollutants that may violate permit requirements.

Groundwater and Surface Water

- The depth of first-encountered groundwater ranges from 13 to 19 feet below ground surface and a groundwater flow direction generally west-northwest groundwater gradient.
- Salinas monitors two shallow groundwater wells. Nitrate and TDS in groundwater are elevated above the drinking water maximum contaminant levels (MCLs). However, total nitrogen in the effluent has consistently been low (less than 10 mg/L with an average of 8 mg/L).
- Groundwater quality is generally elevated in nitrate in the Salinas Groundwater Basin and the Subbasin primarily from long-term agricultural production.
- Distance to nearest surface water, the Salinas River, high water mark from percolation ponds is approximately 60 to 100 feet.

Attachment 2. Figures 1 to 3

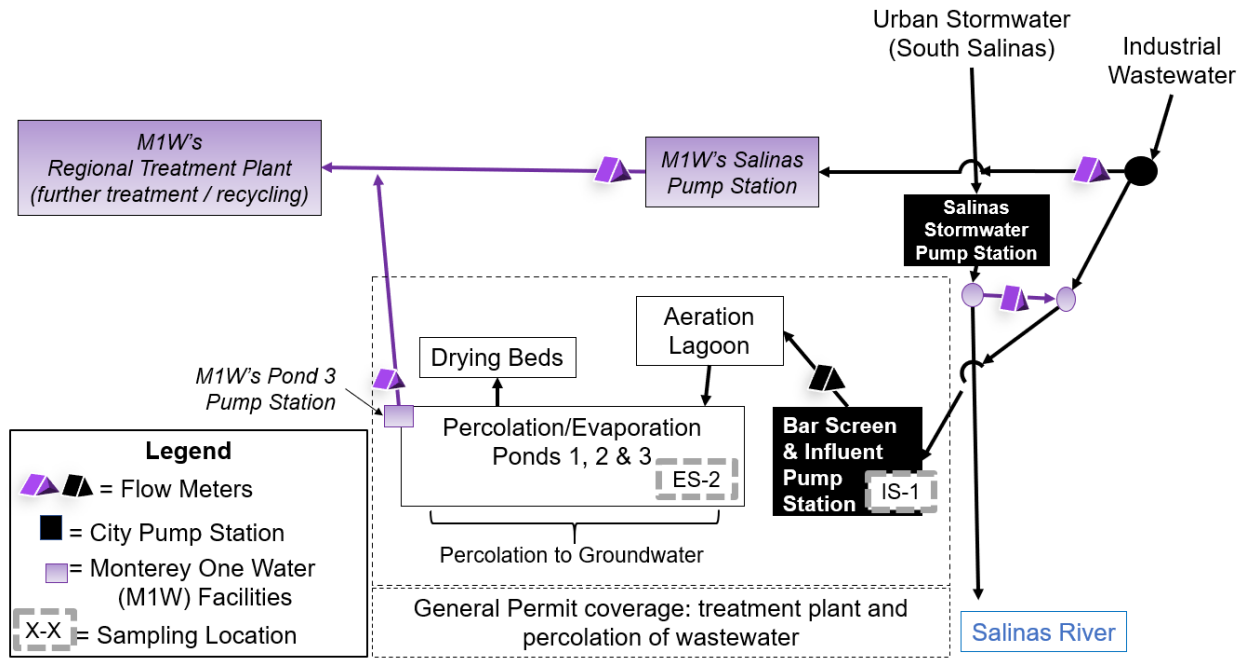


Figure 1. Simplified Process Flow Diagram

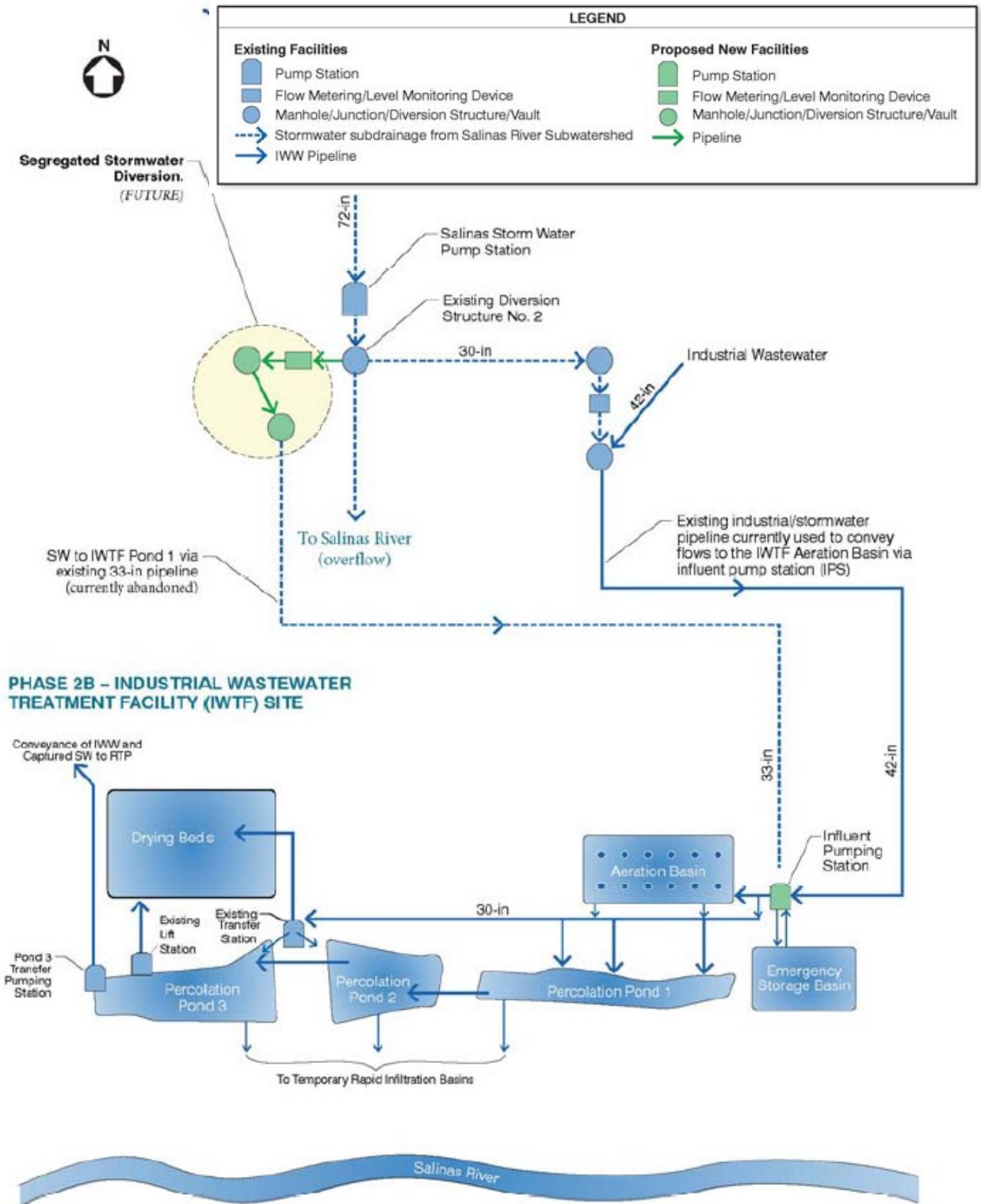


Figure 1. Overall Piping and Process Flow

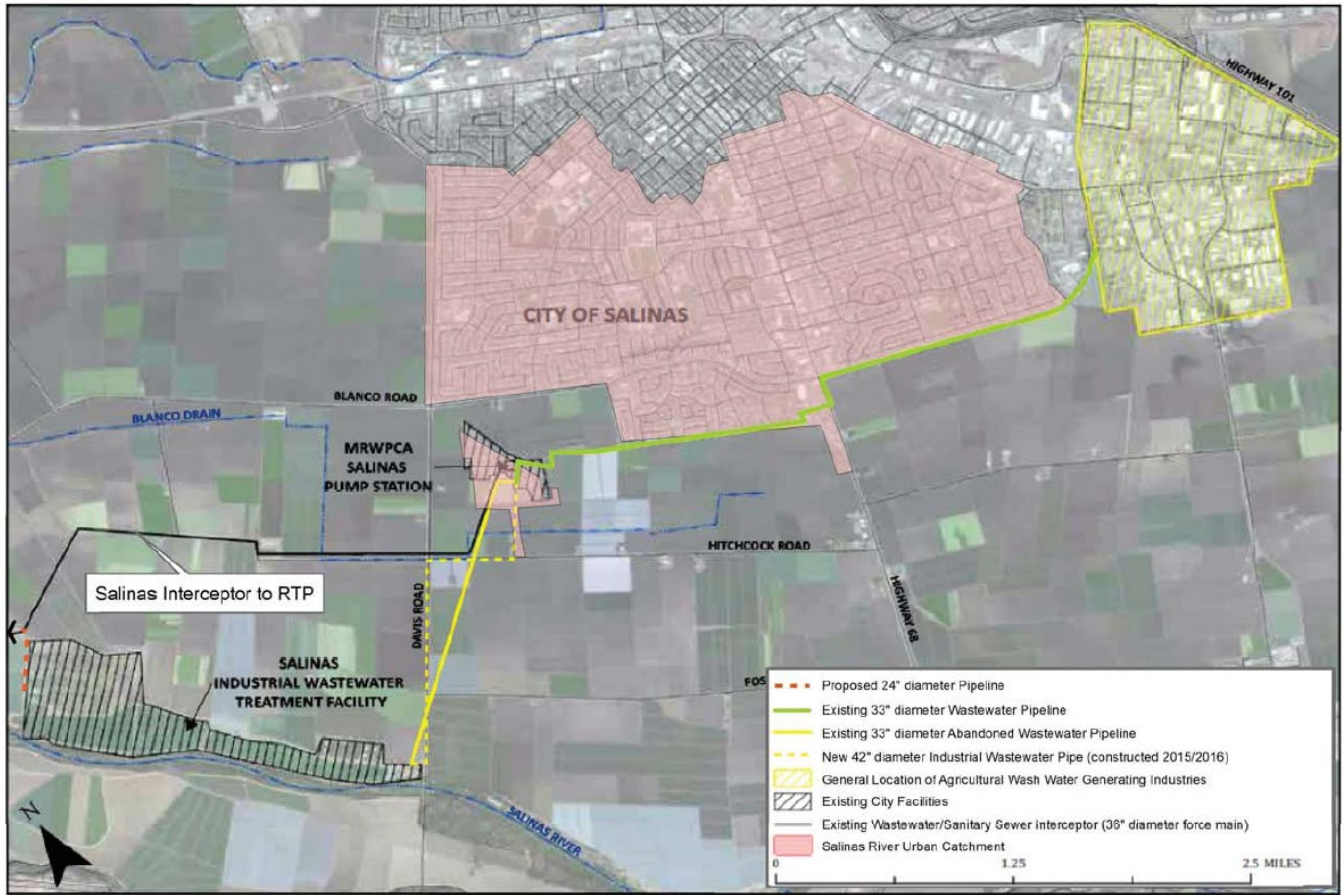


Figure 2. Stormwater and Industrial Collection Areas & Treatment Facility

CENTRAL COAST REGIONAL WATER QUALITY CONTROL BOARD

MONITORING AND REPORTING PROGRAM NO. R3-2004-0066

Revised November 17, 2020

**FOR
CITY OF SALINAS
INDUSTRIAL WASTEWATER TREATMENT FACILITY
MONTEREY COUNTY**

This modified Monitoring and Reporting Program (MRP) applies to the monitoring and reporting requirements for the City of Salinas' Industrial Wastewater Treatment Facility (IWTF) enrolled in Order No. R3-2004-0066. The City of Salinas owns and operates the IWTF that is subject to General Order No. R3-2004-0066 for Discharges of Fruit and Vegetable Processing Waste (General Permit).

This MRP is issued pursuant to Water Code section 13267. The City of Salinas must not implement any changes to this MRP unless and until a revised MRP is issued by the Central Coast Regional Water Quality Control Board (Central Coast Water Board) Executive Officer.

I. SAMPLING AND ANALYSIS

The City of Salinas must collect samples (e.g., wastewater, groundwater, soil, sludge, etc.) representative of the volume and nature of the discharge or matrix of materials sampled and validate analytical results prior to submittal to the Central Coast Water Board. All samples must be collected by a qualified person, trained in proper procedures for collecting the samples. The name of the sampler, sample type (grab or composite), time, date, location, bottle/container type, and any preservative used for each sample must be recorded on the sample chain of custody form. The chain of custody form must also contain all custody information including date, time, and to whom samples were relinquished. If composite samples are collected, the basis for sampling (time or flow weighted) must be approved by Central Coast Water Board staff. If there is no influent flow during a given monitoring period, the influent sampling is not required.

Unless otherwise specified below, sampling must be performed as follows:

Table 1. Sampling Schedule

Monitoring Period	Sample Collection Time
Quarterly	January, April, July, and October
Semiannually	April and October
Annually	October

Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that they are used by a State Water Board California Environmental Laboratory Accreditation Program certified laboratory, or:

- A. The user is trained in proper use and maintenance of the instruments;
- B. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
- C. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
- D. Field calibration reports are maintained and available for at least three years.

II. WATER SUPPLY MONITORING

Representative samples of the water supply must be collected and analyzed for the constituents and at the frequency in Table 2.

Table 2. Water Supply Monitoring Frequency

Parameter/Constituent	Units	Sample Type	Minimum Sampling and Analyzing Frequency
General Minerals ^a	mg/L	Grab	Annually

- a. General mineral analyses must include the following constituents: calcium, magnesium, sodium, sulfate, carbonate, bicarbonate, chloride, total hardness, total alkalinity, total dissolved solids, pH, electrical conductivity, iron, and nitrate (as N). Sampling results for the County of Monterey Health Department may be submitted to satisfy this requirement.

III. INFLUENT AND EFFLUENT MONITORING

- A. Flow Monitoring** – City of Salinas must monitor influent and effluent flow and precipitation as described in Table 3. Flow meters are shown in Figure 1.

Table 3. Flow Monitoring Frequency

Parameter	Units	Sample Type	Minimum Sampling Frequency
Total Influent Flow	MGD	Metered	Daily
Industrial Wastewater Influent Flow	MGD	Metered	Daily
Stormwater Influent Flow	MGD	Metered	Daily
Maximum (Peak) Daily Flow	MGD	Metered	Monthly

Parameter	Units	Sample Type	Minimum Sampling Frequency
Mean Daily Flow	MGD	Calculated	Monthly
Influent Flow diverted to RTP from TP1 Shunt Valve	MGD	Metered	Daily
Effluent Flow diverted to RTP from Pond 3 Pump Station	MGD	Metered	Daily
Precipitation	Inches/day	Measured ^a	Each precipitation event

MGD = million gallons per day

TP1 = Treatment Plant One (located 1.4 miles northeast of the IWTF on Hitchcock Road)

- a. The City may use a rain gauge or use a National Oceanic and Atmospheric Administration or the United States Geological Survey rain station, such as <http://scacis.rcc-acis.org/>

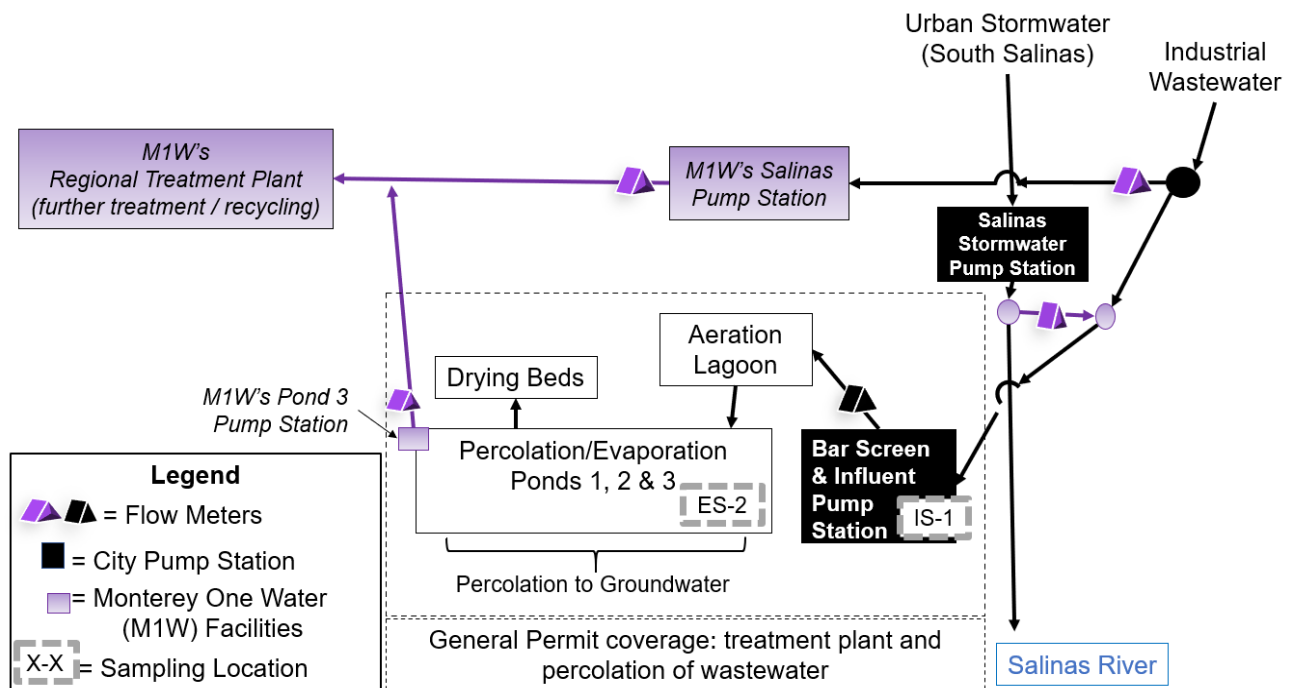


Figure 1. Process Flow and Monitoring Locations

B. Monitoring Location Descriptions

All samples including influent samples (IS) and effluent samples (ES) must be collected at the locations described in Table 4 and Figure 1. The City of Salinas must upload the GeoTracker field point information for each sampling location to the GeoTracker database (see Table 9).

Influent samples must be a 24-hour flow weighted composite. Effluent samples must be taken at the location where the majority of the discharge occurs during the reporting period. In the case of wastewater flow to the ponds only, samples must be collected from the pond receiving wastewater from the Aeration Lagoon. In the case of discharge to the drying beds or rapid infiltration beds, samples must be collected from the location that received a majority of the wastewater flow during the monitoring period. The City of Salinas must report which calendar days wastewater is discharged to each disposal location (pond or disposal beds) it uses during the monitoring period and report where the wastewater effluent samples were collected from.

Table 4. Sampling Locations

Sample Title	GeoTracker Field Point Code	Sample Description
Influent Sample – 1	IS-1	Composite Sample prior to Aeration Lagoon
Effluent Sample – 2	ES-2	Grab sample from Pond 1, 2, 3 or Drying Beds

C. Wastewater Pollutant Monitoring – Representative influent and effluent samples must be collected and analyzed as described in Table 5.

Table 5. Pollutant Monitoring Frequency

Constituent	Units	Influent Sampling (IS-1) Frequency	Effluent Sampling (ES-1) Frequency
Five Day Biochemical Oxygen Demand (BOD ₅)	mg/L	Monthly	Monthly
Settleable Solids	mg/L	Not required	Monthly
Total Suspended Solids (TSS)	mg/L	Monthly	Monthly
Total Dissolved Solids (TDS)	mg/L	Monthly	Monthly
Total Haloacetic Acids ^a	mg/L	Monthly	Monthly
Total Trihalomethanes ^b	mg/L	Monthly	Monthly
Sodium	mg/L	Quarterly	Quarterly

Constituent	Units	Influent Sampling (IS-1) Frequency	Effluent Sampling (ES-1) Frequency
Chloride	mg/L	Quarterly	Quarterly
Sulfate	mg/L	Quarterly	Quarterly
Nitrate <u>or</u> Nitrite + Nitrate (as N)	mg/L	Quarterly	Quarterly
Total Kjeldahl Nitrogen (as N)	mg/L	Quarterly	Quarterly
Total Nitrogen (as N)	mg/L	Quarterly	Quarterly
Total Phosphate (as P)	mg/L	Not required	Annually
Orthophosphate	mg/L	Not required	Annually
Total Residual Chlorine	mg/L	Quarterly	Quarterly
Carbonate	mg/L	Not Required	Annually
Bicarbonate	mg/L	Not Required	Annually
Calcium	mg/L	Not Required	Annually
Magnesium	mg/L	Not Required	Annually
Potassium	mg/L	Not Required	Annually
Metals ^c	mg/L	Not required	Semiannually ^e
Aluminum	mg/L	Not required	Semiannually ^e
Total Coliform	MPN/ 100mL	Not required	Annually ^e
Oil and Grease	mg/L	Not required	Annually ^e
Copper	mg/L	Not required	Annually ^e
Pesticides ^d	mg/L	Not required	Annually ^e

- a. Monochloro-, Dichloro-, Trichloro-, Monobromo-, Dibromo-acetic Acid
- b. Chloroform, Bromodichloromethane, Dibromochloro-methane, and Bromoform
- c. California Code of Regulations (CAM 17) Metals (dissolved): Antimony (Sb), Arsenic (As), Barium (Ba), Beryllium (Be), Cadmium (Cd), Chromium (Cr), Cobalt (Co), Lead (Pb), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Selenium (Se), Silver (Ag), Thallium (Tl), Vanadium (V) and Zinc (Zn)
- d. City of Salinas must include potentially soluble pesticides that are known to exist on the fruit and vegetables processed by the indirect dischargers, and pesticides present in urban stormwater, as sampled pursuant to the City's NPDES stormwater permit. This may include pyrethroids, fipronil, imidacloprid, carbamates, organochlorine pesticides, or organophosphorous pesticides.
- e. The City must make every effort to collect the annual sample in the third quarter (October/November timeframe) two weeks after the seasonal first flush stormwater

is diverted to the IWTF.

IV. POND MONITORING

Representative samples of wastewater contained in each pond must be collected and analyzed for the constituents and at the frequency specified in Table 6. Grab samples must be taken at one-foot depth and analyzed by a calibrated field device.

Table 6. Pond Monitoring Frequency

Constituent	Units	Sample Type	Minimum Sampling Frequency
pH	pH units	Grab	Weekly
Dissolved Oxygen	mg/L	Grab	Weekly
Freeboard	0.1 feet	Measured	Weekly
Odors	Not applicable	Observation	Weekly
Berm Condition	Not applicable	Observation	Monthly
Sludge Depth	0.1 feet	Measured	Annually

V. SOLIDS/SLUDGE DISPOSAL MONITORING

The City of Salinas must report the handling and disposal of all sludge or solids, including screened organic waste, generated at wastewater plant. Records must include the date the City of Salinas removed the solids, name/contact information for the hauling company, type and volume of waste transported, disposal facility name and address, and copies of analytical data required by the entity accepting the waste. These records must be submitted as part of the annual monitoring report.

If sludge/biosolids are not removed during the year, the City of Salinas will have no obligation for solids monitoring and must state the absence of this monitoring in the annual report.

VI. RECEIVING WATER MONITORING

Representative samples of groundwater must be collected from shallow wells upgradient and downgradient of disposal areas to ascertain compliance with the General Permit. In establishing new, or verifying existing upgradient and downgradient monitoring wells, the monitoring network must be supported by sufficient (as determined by the Executive Officer) geologic and hydrogeologic documentation. Samples of groundwater must be collected and analyzed for the constituents and at the frequencies in Table 7.

Table 7. Groundwater Monitoring Frequency

Constituent	Units	Sample Type	Minimum Sampling and Analyzing Frequency
Depth to Groundwater	feet	Measured	Quarterly
pH	pH units	Grab	Quarterly
Total Dissolved Solids (TDS)	mg/L	Grab	Semi-annually
Sodium	mg/L	Grab	Semi-annually
Chloride	mg/L	Grab	Semi-annually
Sulfate	mg/L	Grab	Semi-annually
Nitrate (as N)	mg/L	Grab	Semi-annually
Total Haloacetic Acids ^a :	mg/L	Grab	Quarterly
Total Trihalomethanes ^b :	mg/L	Grab	Quarterly
Carbonate	mg/L	Grab	Annually
Bicarbonate	mg/L	Grab	Annually
Calcium	mg/L	Grab	Annually
Magnesium	mg/L	Grab	Annually
Potassium	mg/L	Grab	Annually

a. Monochloro-, Dichloro-, Trichloro-, Monobromo-, Dibromo-acetic Acid

b. Chloroform, Bromodichloromethane, Dibromochloromethane, and Bromoform

VII. FACILITY MONITORING

The City of Salinas must make at least bi-weekly inspections of the treatment and disposal systems. During the inspections, the City of Salinas must note compliance status with Order No. R3-2004-0066, particularly Prohibitions B.1, B.2, B.6., and B.7. If wastewater is discharged to the rapid infiltration beds, the City of Salinas must visually observe the beds hourly as they are first filled, and at two- to three-hour intervals when they are in use. The City of Salinas must observe and document the percolation rate (the volume discharged and length of time it took for the rapid infiltration beds to dry). A log of these inspections must be maintained, and a summary of observations made during the inspections must be submitted with each monitoring report.

VIII. INFLOW/INFILTRATION MONITORING

The City of Salinas must submit a summary of activities regarding its Best Management Practices for inflow/infiltration control with the annual monitoring report. The summary should address investigations into inflow/infiltration and efforts to reduce inflow/infiltration to the City of Salinas' IWTF.

IX. INDUSTRIAL PRETREATMENT ACTIVITIES MONITORING

Semi-annual self-monitoring is required by each of the City's significant users. Any upset, interference, or pass-through caused by industrial discharges must be reported to the Central Coast Water Board and investigated to identify the source and corrective measures needed. A summary of pretreatment activities, number and name of significant users, monitoring results, non-compliance, enforcement, additional industrial hook-ups, etc., must be provided in the City's regular annual report. The report should include an evaluation of whether the pretreatment program should be reinstated to provide adequate protection of the Salinas IWTF, receiving waters, and personnel.

X. REPORTING REQUIREMENTS

A. Monthly Reports

The City of Salinas must submit monthly monitoring reports on the last day of the month following the month being reported (i.e., January 31 for the December reporting period). These monthly reports must summarize water quality monitoring results. At a minimum, the reports must include:

1. Results of all required monitoring during the monitoring period in tabular format. Water quality data collected from the laboratory must also be uploaded to GeoTracker.
2. A comparison of monitoring data to the discharge specifications, applicable limits, disclosure of any violations, an explanation of any violations and the actions the City of Salinas is taking to address any violations.
3. Copies of laboratory analytical report(s) and chain of custody form(s).
4. Copies of groundwater monitoring well field sheets with purge methods and logs.

B. Annual Reports

The City of Salinas must submit annual reports by January 30 of every year. The annual report, at a minimum, must include:

1. Brief description of treatment facility. Note any changes or upgrades that were made to the treatment plant over the last year to improve performance.
2. Both tabular and graphical summaries of the monitoring data obtained during the reporting year. Duplicate copies of monthly and/or quarterly reports are not necessary and do not fulfill requirements for summaries.
3. A discussion of the previous year's compliance record (including all incidents of noncompliance) and corrective actions taken, or which may be needed, to bring the City of Salinas into full compliance.
4. A discussion of treatment plant performance including a comparison of influent and effluent concentrations over time for the main pollutants, along with effluent or groundwater limits; and a comparison of groundwater quality data monitored at the facility, along with comparison to groundwater quality objectives.

5. Graphical summary of influent wastewater peak and average monthly flows, with a comparison to maximum permitting flow. Projected flow rate increases over time and the estimated date when flows will reach facility capacity. Total stormwater flow diverted to the treatment plant, and total effluent flow diverted from the Pond 3 Pump Station to the RTP for recycling.
6. A list of operator certification and current operating personnel and their grades of certification.
7. The date of the facility's Operation and Maintenance Manual, the date the manual was last reviewed, and whether the manual is complete and valid for the current facility.
8. A list of the laboratories used to monitor compliance with effluent limits and a summary of performance.
9. A summary of solids and sludge quantities removed, and its ultimate disposal location.
10. A summary of best management practices for inflow and infiltration.
11. Tabular summary of pretreatment program data for significant users. Include an evaluation of the effectiveness of the local pretreatment program.
12. A discussion of the volume of urban stormwater collected during the year, and any impacts the stormwater collection had on the industrial wastewater treatment process. Include any trends or changes in pond water quality data since urban stormwater collection.
13. A summary of efforts to reduce salts and nutrients in the waste discharge, including but not limited to, detailed descriptions of measures implemented by the City of Salinas and/or participation in a basin-wide salts and nutrient management program.
14. A wastewater treatment process flow diagram or map with monitoring locations labeled (including monitoring wells, surface water sampling locations, effluent sample, etc.).

C. Electronic Submittal

All monitoring reports must be provided electronically in a searchable PDF format, with the Central Coast Water Board's current transmittal sheet¹ as the cover page.

The Central Coast Water Board is transitioning to the use of the publicly accessible State Water Board's GeoTracker database for the tracking of environmental data.

http://www.waterboards.ca.gov/ust/electronic_submittal/index.shtml

¹ Current transmittal sheet:

https://www.waterboards.ca.gov/centralcoast/water_issues/programs/wastewater_permiiting/docs/transmittal_sheet.pdf

The City of Salinas must submit all reports, documents, and laboratory analytical data to the State Water Resources Control Board's GeoTracker² database for the Salinas IWTF (GeoTracker No. WDR100035506) over the internet. Table 9 summarizes all the GeoTracker electronic reporting requirements.

Table 9. GeoTracker Electronic Submittal of Information (ESI) Requirements

Electronic Submittal	Description of Action	Action	Frequency
Reports and documents	Complete copy of all documents including monitoring reports (in searchable PDF format) and any other associated documents related to the Wastewater System.	Upload directly to GeoTracker all monitoring reports and any other associated documents.	On or before the due dates required by this MRP and for other documents when requested by Central Coast Water Board staff.
Laboratory data	All analytical data (including geochemical data) in electronic deliverable format (EDF). This includes data analyzed at the laboratory and not field data.	Direct your California ELAP-accredited laboratory staff to upload all laboratory data directly to GeoTracker.	On or before the due date of the required monitoring report.
Depth to groundwater	Report depth-to-water data only for wells defined as permanent sampling points.	Upload depth-to-water information to the GeoTracker GEO_WELL file.	On or before the due date of the required monitoring report.
Boring Logs and Well Screen Intervals	Boring logs must be prepared by a registered professional and submitted in PDF format separately (not only as attachments to reports)	Upload boring logs (in searchable PDF format) to GeoTracker GEO_BORE file whenever a new boring is drilled.	Every time a new boring is drilled.
Field Points, Location Data (Geo XY) ^a	Name, classify, and identify the location (latitude and longitude) of all sampling points. Monitoring wells must be surveyed, influent and	Upload the location data (surveyed and non-surveyed) to	Once for all existing monitoring locatoins, and each time a permanent

² Information for first-time GeoTracker users is available here:

https://www.waterboards.ca.gov/ust/electronic_submittal/docs/beginnerguide2.pdf

Electronic Submittal	Description of Action	Action	Frequency
	effluent sample locations must be identified on the GeoTracker mapping tool under “non-surveyed data.” These data points are required prior to laboratory data uploads.	the GeoTracker GEO_XY file.	monitoring point is established.
Elevation Data (Geo Z) ^b	Survey and mark the elevation at the top of the groundwater well casings for all permanent groundwater wells. These data points are required prior to depth-to-water data uploads.	Upload the survey data to the GeoTracker GEO_Z file	One-time, for all groundwater monitoring wells

- a. Geo XY required for all wells. New wells must be surveyed. For existing wells, use original well installation survey data. The City of Salinas must also upload sample locations (e.g., influent and effluent samples) that are not defined as a permanent monitoring well and have not been surveyed by a licensed professional.
- b. Geo Z required for all wells. New wells must be surveyed. For existing wells, use original well installation survey data.

XI. LEGAL REQUIREMENTS

All technical and monitoring reports submitted pursuant to this MRP are required pursuant to section 13267 of the California Water Code. Failure to submit reports in accordance with schedules established by this General Permit or attachments to this General Permit, or failure to submit a report of sufficient technical quality to be acceptable to the Central Coast Water Board Executive Officer, may subject the City of Salinas to enforcement action pursuant to section 13268 of the California Water Code.

Water Code section 13267 states, in part:

“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, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters 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.”

Water Code section 13268 states, in part:

“(a) Any person failing or refusing to furnish technical or monitoring reports as required by subdivision (b) of section 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in accordance with subdivision (b).

(b)(1) Civil liability may be administratively imposed by a regional board in accordance with article 2.5 (commencing with section 13323) of chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars (\$1,000) for each day in which the violation occurs.”

The monitoring reports required by this MRP are necessary to ensure compliance with this General Permit. The evidence supporting the need for the reports are contained in the information provided by the discharger subject to this General Permit and in the files of the Central Coast Water Board. The burden and cost of preparing the monitoring reports is reasonable and consistent with the interest of the state in maintaining water quality. The reports are necessary to ensure that the City of Salinas complies with the notice of applicability and General Permit. Pursuant to California Water Code section 13267, the City of Salinas must implement this MRP and must submit the monitoring and technical reports described herein.

The City of Salinas must implement the above monitoring program as of the effective date of enrollment in the General Permit. The Central Coast Water Board Executive Officer may rescind or modify this MRP at any time.

Ordered by

for Mathew T. Keeling
Executive Officer

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