

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401-7906**

WASTE DISCHARGE REQUIREMENTS

ORDER NO. R3-2007-0029
Waste Discharger Identification No. 3 400115001

For

**TEMPLETON COMMUNITY SERVICES DISTRICT
MEADOWBROOK WASTEWATER FACILITIES
San Luis Obispo County**

The California Regional Water Quality Control Board, Central Coast Region (hereafter Board), finds that:

SITE OWNER AND LOCATION

South Main Street, Templeton, adjacent to the Salinas River.

1. The Templeton Community Services District (also referred to as the "Discharger") owns and operates a municipal wastewater collection, treatment, and disposal facility.
2. The Discharger's facility serves the primarily residential, unincorporated community of Templeton, California (approximate population: 5,400).
3. The treatment facility is located in San Luis Obispo County, to the west of Highway 101, at the south end of Bennett Way in Templeton, at latitude +35.531643, longitude -120.718918 in Section 31, T27S, R12E, MD B&M, Templeton Quadrangle, as shown on Attachment "A" of this Order.
4. Disposal occurs at two locations, as shown on Attachment "A" of this Order. Sprayfield disposal occurs at the treatment facility site. Percolation disposal occurs at a separate location to the east of Highway 101, on what is commonly referred to as the "Selby" property (APN 039-381-004). The Selby property is located at latitude +35.530950, longitude -120.709351, at the south end of

PURPOSE OF ORDER

5. In accordance with Section 13260 of the California Water Code, on August 10, 2005, the Discharger filed a Report of Waste Discharge to double its discharge of treated municipal wastewater. Additional information was received on January 16, 2007, to make the application complete.
6. The Report of Waste Discharge described Phase II of the Discharger's four-phase wastewater treatment and disposal expansion plans.
7. This Order revises Order No. 98-74, which was adopted by this Board on October 23, 1998.

SITE/FACILITY DESCRIPTION

Water Source

8. The Templeton Community Services District draws water from eleven wells penetrating the Atascadero sub-basin and the Salinas River underflow.

**Item No. 21 Attachment No. 1
May 11, 2007 Meeting
Templeton CSD**

9. According to the Discharger's Consumer Confidence Reports, which are required per Health and Safety Code §116470, water supply quality consistently complies with, or does better than, all state and federal drinking water requirements.

Wastewater System

10. The Discharger's sanitary sewer collection system includes two lift stations, 15 miles of collection piping, two miles of interceptor line and 1510 service laterals serving approximately 5,400 residents and 107 businesses.
11. The Discharger treats sanitary wastewater using oxidation ponds. The treatment ponds provide primary settling, anaerobic digestion, secondary digestion, with final clarification and maturation.
12. The Phase II Meadowbrook WWTP expansion will provide additional treatment ponds; a new 51 acre-foot wet weather storage pond; two new percolation ponds at the Selby site; and an increase in the size of the spray disposal fields to 10 acres. A facility layout is shown on attachment "B" of this Order.
13. The Phase II Meadowbrook WWTP expansion will double municipal wastewater processing capacity from the current level of 0.3 million gallons per day to a design capacity of 0.6 million gallons per day.

Geology

14. Treated wastewater is discharged within the Templeton sub-area of the Paso Robles sub-unit in the Salinas Hydrologic Unit.
15. Spray disposal occurs at the treatment site, over slightly rolling topography consisting of sandy loam soils.
16. Percolation disposal occurs at the Selby Site, which is remote from the treatment site.

17. The ponds and the effluent transmission line are on lowland areas with slopes generally under 4 percent. Soils are silty clay loam, with an underlying alluvial sand and gravel.

Surface and Groundwater

18. Paso Robles Creek, a tributary of the Salinas River, is located approximately 500 feet south of the spray disposal area and flows in an easterly direction.
19. The Salinas River and its 100-year flood plain are located adjacent to the Selby Site. Selby Site usage will be limited to non-flood periods to ensure the River is not impacted.
20. Depth to groundwater in the vicinity of the Selby Site is 12 feet below ground surface.
21. The Water Quality Control Plan, Central Coast Basin (Basin Plan) was adopted by the Board on November 19, 1989, and approved by the State Board on August 16, 1990. The Board approved amendments to the Basin Plan on February 11, 1994 and September 8, 1994. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.
22. Present and anticipated beneficial uses of Salinas River that could be affected by the discharge include:
- a. Domestic and municipal water supply;
 - b. Agricultural supply;
 - c. Industrial Service supply;
 - d. Ground water recharge;
 - e. Non-contact water recreation;
 - f. Commercial and Sport Fishing;
 - g. Migration of aquatic organisms;
 - h. Industrial process supply;
 - i. Wildlife habitat;
 - j. Water contact recreation;
 - k. Warm fresh water habitat; and,
 - l. Cold fresh water habitat

23. The median groundwater objectives specified in the Basin Plan for the Templeton sub-area are:

Total Dissolved Solids	730 mg/l
Sodium	75 mg/l
Chloride	100 mg/l
Sulfate	120 mg/l
Boron	0.3 mg/l
Total Nitrogen	2.7 mg/l

24. Present and anticipated beneficial uses of groundwater in the vicinity of the discharge include the beneficial uses specified in the Basin Plan, which are:

- Domestic and municipal water supply;
- Industrial process supply;
- Agricultural water supply; and,
- Industrial service supply.

CHANGES TO ORDER

25. Substantive changes incorporated into this Order include:
- Use of site-specific salt limits,
 - Elimination of effluent pH limits,
 - Increased flow limits
 - Addition of a Total Nitrogen effluent limit, and
 - Numeric groundwater limits for
 - Total Dissolved Solids,
 - Sodium,
 - Chloride,
 - Total Nitrogen,
 - Boron,
 - Sulfate, and
 - pH

CEQA

26. The Templeton Community Services District adopted a Mitigated Negative Declaration for the Wastewater Treatment Plant Expansion Project on May 5, 1998, in accordance with the California Environmental Quality Act (Public Resources Code, Section 21000, et. seq.) and the California Code of Regulations. The Mitigated Negative Declaration determined that there are no significant adverse environmental

effects or that all potentially significant adverse environmental effects can be avoided through implementation of mitigation measures. The Water Board, as a Responsible Agency, considered the Mitigated Negative Declaration and concurs that the requirements of this Order will reduce all impacts on water quality to a less-than-significant level.

27. The Templeton Community Services District adopted a Mitigated Negative Declaration for the Percolation Pond Expansion Project on October 31, 2005, in accordance with the California Environmental Quality Act (Public Resources Code, Section 21000, et. seq.) and the California Code of Regulations. The Mitigated Negative Declaration determined that all potentially significant adverse environmental effects can be avoided through implementation of mitigation measures. Mitigation measures to prevent nuisance and ensure protection of beneficial uses of surface and ground waters will be implemented through this Order.

ANTIDEGRADATION

28. Discharges allowed by this order will cause water quality degradation in the discharge vicinity, but the waterbody will assimilate the discharge. The degradation will be consistent with maximum benefit to the people of the State, will not unreasonably affect present and anticipated beneficial use of such water and will not result in water quality less than the applicable water quality objectives. To the extent that any degradation will occur as a result of this Order, it will allow wastewater utility service necessary to accommodate economic and housing expansion in the region, and there is no evidence to indicate the discharge will cause significant impacts on current or anticipated beneficial uses. The Order requires the Facility to implement the best practicable treatment or control of the discharge necessary to assure that pollution or nuisance will not occur and the highest water quality consistent with maximum benefit to the people of the State will be maintained.

EXISTING ORDERS/GENERAL FINDINGS

29. This Order contains restrictions on individual pollutants. The effluent limitations for biochemical oxygen demand (BOD) and total suspended solids (TSS) are based on achievable limits for secondary treatment as demonstrated by historical Facility effluent data. Effluent limitations in this Order for nitrate, total dissolved solids, sodium, chloride, sulfate and boron have been scientifically derived to implement water quality objectives that protect beneficial uses. Both the beneficial uses and the water quality objectives have been approved pursuant to state law. All beneficial uses and water quality objectives contained in the Basin Plan were approved under state law and submitted to and approved by USEPA prior to May 30, 2000. The requirements of the Order take into consideration past, present, and probable future beneficial uses of the receiving waters, the environmental characteristics, including water quality, of the lower Salinas River hydrographic unit, coordinated control of all factors which affect water quality in the area, and the need to develop and use recycled water. The increased discharge will accommodate Templeton's economic and housing growth. Increasing treatment and disposal capacity is consistent with that growth.
30. Discharge of waste is a privilege, not a right, and authorization to discharge is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and any more stringent effluent limitations necessary to implement water quality control plans, to protect beneficial uses, and to prevent nuisance. Compliance with this Order should ensure this and mitigate any potential adverse changes in water quality due to the discharge.
31. On February 26, 2007, the Board notified the Discharger and interested agencies and persons of its intent to revise waste discharge

requirements for the discharge and has provided them with a copy of the proposed order and an opportunity to submit written views and comments.

32. After considering all comments pertaining to this discharge during a public hearing on May 11, 2007, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 and 13523 of the California Water Code, that the Templeton Community Services District, its agents, successors, and assigns, may discharge waste from its wastewater treatment plant providing it complies with the following:

All technical and monitoring reports submitted pursuant to this Order are required pursuant to Section 13267 of the California Water Code. The Water Board requires these reports to determine compliance with this Order and the impacts, if any, of the discharge on receiving waters. Failure to submit reports in accordance with schedules established by this Order, or failure to submit a report of sufficient technical quality to be acceptable to the Executive Officer, may subject the Discharger to enforcement action pursuant to Section 13268 of the California Water Code.

(Note: Other prohibitions and conditions, definitions, and the method of determining compliance are contained in the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.)

(Note: Throughout these requirements footnotes are listed to indicate the source of requirements specified. Requirement footnotes are as follows:

BP = Basin Plan

ROWD = Report of Waste Discharge Design Specification

Requirements not referenced are based on Staff's professional judgment.)

A. PROHIBITIONS

1. Discharge to areas other than the Selby Site percolation beds or the spray disposal areas shown in Attachment "A" is prohibited.
2. Discharge of any wastes, including overflow, bypass, seepage, overspray and runoff from transport, treatment, or disposal systems, to adjacent properties, adjacent drainageways, or to the Salinas River is prohibited.
3. Bypass of the treatment facility is prohibited and discharge of improperly treated wastewater directly to the percolation ponds or spray disposal areas is prohibited.
4. Discharge of wastes within 100 feet of any potable water supply well or drainageway is prohibited.
5. Discharge to the percolation beds on the Selby Site is prohibited during flood periods (when ponds are in danger of being overtopped) or when depth to groundwater below the beds is less than eight feet.

B. DISCHARGE SPECIFICATIONS

1. Upon completion of Phase 2 of the expansion project, daily flow averaged over each month shall not exceed 0.60 MGD; until that time the flow shall not exceed 0.30 MGD. ^{ROWD}
2. Effluent discharged to the spray disposal or percolation beds shall not exceed the following limitations:

Parameter	Units	Mean	Max
BOD ₅	mg/L	50	100
Suspended Solids	mg/L	50	100
Settleable Solids	ml/L	---	0.5
Total Dissolved Solids	mg/L	1200	1450
Sodium	mg/L	265	360
Chloride	mg/L	360	440
Total Nitrogen, as N	mg/L	11	20
Dissolved Oxygen	mg/L	Minimum of 1.0	

3. Flow limits are not an entitlement, but a maximum allowable capacity providing all other conditions of this order are met.
4. Extraneous surface drainage shall be excluded from all treatment, storage, and disposal facilities.
5. Normal operating freeboard shall be at least 2.0 feet in the treatment, storage, and percolation ponds at all times, unless specifically designed for less.
6. Spray disposal shall be accomplished without ponding in the spray disposal area and in a manner preventing public contact with wastewater and excluding the public from the disposal area. ^[22 Cal. Code of Regs. 60303]
7. The treatment, storage, and disposal facilities shall be managed to exclude the public and posted to warn the public of the presence of wastewater.

C. GROUNDWATER LIMITATIONS

1. The discharge shall not cause water quality to exceed the following concentrations, as determined by samples collected from the upgradient "MWS-1 Well" and downgradient "Smith Well," located as shown in Attachment "B."

Parameter	Units	Limit
Total Dissolved Solids	mg/L	500
Sodium	mg/L	110
Chloride	mg/L	150
Total Nitrogen	mg/L	4.5
Boron	mg/L	0.2
Sulfate	mg/L	150
pH	6.5 to 8.4	

2. The discharge shall not cause concentrations of chemicals and radionuclides in groundwater to exceed limits set forth in Title 22, Chapter 15, Articles 4 and 5 of the California Administrative Code.

D. PROVISIONS

1. Order No. 98-74, "Waste Discharge Requirements for Templeton Community Services District, Meadowbrook Wastewater Facilities, San Luis Obispo County," adopted by the Board on October 23, 1998, is hereby rescinded.
2. Discharger shall comply with "Monitoring and Reporting Program No. R3-2007-0029," as adopted by the Board and as may be amended by the Executive Officer.
3. Discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.
4. The Discharger shall maintain a comprehensive operation and maintenance manual for the wastewater treatment, storage, and disposal facilities.
5. Pursuant to Title 23, Chapter 3, Subchapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than May 11, 2017 addressing:
 - a. Whether there will be changes in the continuity, character, location, or volume of the discharge; and,
 - b. Whether, in their opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision.

I, Roger W. Briggs, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Coast Region, on May 11, 2007.

Roger W. Briggs
Executive Officer

TJK

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