

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION**

81 Higuera Street, Suite 200
San Luis Obispo, California 93401-5427

ORDER NO. 93-96

**WASTE DISCHARGE REQUIREMENTS
FOR
TEMPLETON UNIFIED SCHOOL DISTRICT,
VINEYARD ELEMENTARY SCHOOL,
SAN LUIS OBISPO COUNTY**

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

1. Frank Honeycutt (of John Wallace & Associates, consulting engineers), filed a Report of Waste Discharge on May 19, 1993 (and revised information on August 13, 1993), in accordance with Section 13260 of the California Water Code. The report was filed on behalf of Templeton Unified School District for authorization to discharge domestic wastes from Vineyard Elementary School within the Paso Robles ground water basin. The information supports a request for discharge.
2. Templeton Unified School District (hereafter Discharger), proposes to construct and operate a wastewater treatment and disposal system located off Vineyard Drive in the community of Templeton. The proposed facilities are shown on Attachment A of this Order.
3. Up to 6,635 gallons per day (gpd) of treated wastewater will be discharged at this facility. The treatment facility will consist of conventional septic tanks. Wastewater will be discharged to subsurface leachfields. Design capacity is 6,635 gpd and will serve 700 students and faculty. The leachfield will consist of 8 trenches 200-foot long, ten feet deep and one and a half feet wide. One leachfield (totalling 100% of needed disposal capacity) will be installed and adequate space for a second and third system reserved.
4. The disposal area is located on a relatively flat knoll. Evaluation of the soils profile indicates soils are generally clayey sands and gravels. Depth to groundwater exceeds 30 feet.
5. This discharge has not previously been regulated by the Board.
6. The Water Quality Control Plan, Central Coastal Basin, (Basin Plan) was adopted by the Board on November 17, 1989. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.
7. The Basin Plan prohibits new discharges from community subsurface disposal systems unless dual disposal systems are installed (200% of total calculated disposal capacity). The Basin Plan also provides for exemptions to these prohibitions. Such exemptions may be granted only after presentation by the Discharger of sufficient justification that the continued operation of such system will not individually or collectively, directly or indirectly, result in pollution or nuisance, or affect water quality adversely.
8. The Discharger plans to connect to the Templeton Community Services District sewer system when it becomes available. If such connection is not made within five years of the adoption of this Order, the Discharger plans to install the second leachfield area to fully comply with Basin Plan requirements.

9. Present and anticipated beneficial uses of groundwater in the vicinity of the discharge include:
- Domestic and Municipal Supply;
 - Agricultural Supply; and,
 - Industrial Supply.
10. The Discharger completed an Initial Study and Negative Declaration for the project in accordance with the California Environmental Quality Act (Public Resources Code, Section 21000, et seq.) and the California Code of Regulations and determined there are no significant adverse environmental effects or that all potentially significant adverse environmental effects can be avoided through implementation of mitigation measures. Mitigation measures to prevent nuisance and assure protection of beneficial uses of surface and ground waters will be implemented through this Order.
11. 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 assume this and mitigate any potential adverse changes in water quality due to discharge.
12. On September 2, 1993, the Board notified the Discharger and interested agencies and persons of its intent to issue 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.
13. After considering all comments pertaining to this discharge during a public hearing on November 12, 1993, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, Templeton Unified School District, its agents, successors, and assigns, may discharge waste at

Vineyard Elementary School, providing compliance is maintained with the following:

(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. Applicable paragraphs are referenced in paragraph D3 of this Order.)

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

A = Basin Plan
 B = Administrative Procedures Manual (SWRCB)

Requirements without footnotes are based on staff's professional judgement.

A. PROHIBITIONS

- Discharge to areas other than leachfield area shown in Attachment A, is prohibited.
- Discharge of any wastes including overflow, bypass, and seepage from transport, treatment, or disposal systems to adjacent drainageways or adjacent properties or on the soil surface is prohibited.
- Bypass of the treatment facility and discharge of untreated or partially treated wastes directly to the leachfields is prohibited.

B. DISCHARGE SPECIFICATIONS

- Daily flow averaged over each month shall not exceed 6,635 gallons (25 m³ this represents 9,290 gpd, five days per week).
- Effluent discharged to the leachfields shall not exceed the following limitations:

<u>Parameter</u>	<u>Units</u>	<u>Maximum</u>
Total Dissolved Solids	mg/l	Water Supply +250*
Sodium	mg/l	Water Supply + 70*
Chloride	mg/l	Water Supply + 65*
Total Nitrogen ^A	<u>grams per acre</u> day	80
pH ^A	pH units	Within the range 6.5 to 8.4

*As determined from concurrent water supply monitoring and averaged over the three most recent samples.

3. Surface drainage shall be excluded from the leachfield area.

C. GROUND WATER LIMITATIONS

1. The discharge shall not cause a significant increase of mineral constituent concentrations in underlying ground waters, as determined by comparison of samples collected from wells located upgradient and downgradient of the disposal area.
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, 4.5, 5 and 5.5 of the California Code of Regulations.^A

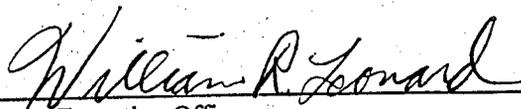
D. PROVISIONS

1. The Discharger shall install a second leachfield (100% capacity) if the discharge is to continue after November 12, 1998.
2. Discharger shall comply with "Monitoring and Reporting Program No. 93-96," as specified by the Executive Officer.^B
3. Discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.^B

4. The Discharger shall conduct an investigation of potential impact to groundwater caused by this discharge. The investigation shall include identifying or installing upgradient and downgradient groundwater monitoring wells which can be used to evaluate impacts of this discharge upon groundwater in the vicinity. A technical report summarizing this investigation shall be submitted to the Executive Officer by March 12, 1994. The report shall include monitoring well locations, well logs, monitoring results for those constituents listed in Monitoring and Reporting Program 93-96, and an evaluation of groundwater gradient. The report shall be certified by a registered engineer or other qualified professional.

5. Pursuant to Title 23, Division 3, Chapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than May 12, 1998, addressing:^B
 - 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, WILLIAM R. LEONARD, 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 November 12, 1993.

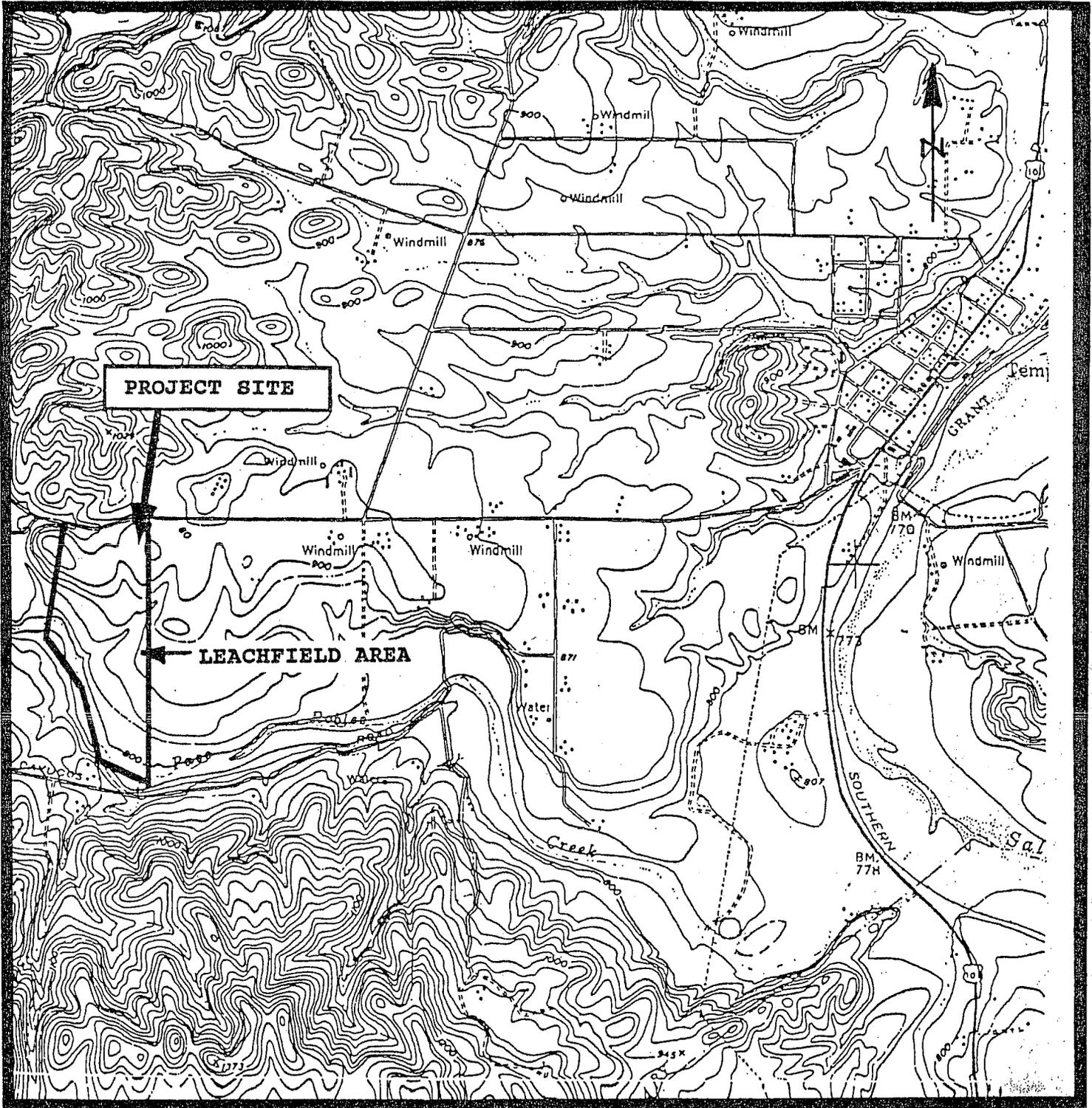


Executive Officer

November 12, 1993

Date

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TEMPLETON UNIFIED SCHOOL DISTRICT
VINEYARD ELEMENTARY SCHOOL

ATTACHMENT A

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

MONITORING AND REPORTING PROGRAM NO. 93-96
FOR

TEMPLETON UNIFIED SCHOOL DISTRICT,
VINEYARD ELEMENTARY SCHOOL,
SAN LUIS OBISPO COUNTY

WATER SUPPLY MONITORING

Representative samples of the water supply shall be collected and analyzed as follows:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
Total Dissolved Solids	mg/l	Grab	Annually (April)
Sodium	mg/l	Grab	" "
Chloride	mg/l	Grab	" "

EFFLUENT MONITORING

Effluent samples shall be collected from the septic tank and analyzed as follows:

<u>Constituent^B</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
Daily Flow	GPD	Calculated (from domestic water consumption)	Monthly
pH	-	Grab	Annually (April)
Total Dissolved Solids	mg/l	Grab	" "
Sodium	mg/l	Grab	" "
Chloride	mg/l	Grab	" "
Total Nitrogen	mg/l	Grab	" "
Total Nitrogen	<u>g per 1/2 acre</u> day	Calculated (from Nitrogen sample)	Annually

GROUND WATER MONITORING

Discharger shall install or locate monitoring wells upgradient and downgradient of the disposal area. Discharger shall be responsible for determining direction of groundwater flow and level to determine the appropriate location and depth of upgradient and downgradient monitoring wells. Prior to the installation of monitoring wells, Discharger must submit to the Executive Officer (EO) a report discussing the proposed location and depth of the monitoring wells and the technical justification of the proposal. The monitoring wells shall meet or exceed well standards contained in the Department of Water Resources Bulletins 74-81 and 74-90. Discharger shall also comply with the monitoring well reporting provisions of Section 13750 through 13755 of the California Water Code.

Monitoring wells are intended to monitor effects of the discharge on ground water. However, installation of monitoring wells may be waived if Discharger can demonstrate that there are mitigating factors such that the discharge will not adversely impact ground water quality. A report discussing results of studies or investigations justifying presence of mitigating factors may be submitted to the Executive Officer for review and approval. If the Executive Officer agrees with the findings of the report, monitoring wells requirement may be waived. These mitigating factors may include, but not be limited to, any or all of the following:

1. Depth to ground water is so great that when coupled with other factors may prevent pollutants from reaching or adversely affecting ground water quality.
2. Geologic features i.e. soil type, permeability, presence of geological layer prohibiting migration of pollutants to ground water, etc.
3. Ground water has sufficient assimilative capacity due to the magnitude of the aquifer.

Ground water samples shall be collected from representative upgradient and downgradient monitoring wells and analyzed as follows:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
Total Dissolved Solids	mg/l	Grab	Annually (April)
Sodium	mg/l	Grab	" "
Chloride	mg/l	Grab	" "
Nitrate (as N)	mg/l	Grab	" "

SEPTIC TANK MONITORING

<u>Parameter</u>	<u>Units</u>	<u>Type of Measurement</u>	<u>Minimum Inspection Frequency</u>
Sludge Depth and Scum Thickness in Each Compartment	Inches	Staff Gauge	Annually (April)
Distance Between Bottom of Scum Layer and Outlet Device	Inches	Staff Gauge	" "
Distance Between Top of Sludge Layer and Outlet Device	Inches	Staff Gauge	" "

Proof of annual septic tank pumping (both chambers) may be submitted in lieu of septic tank monitoring. Septic tanks shall be pumped when any one of the following conditions exist in the first compartment, or may occur before the next inspection:

a. The combined thickness of sludge and scum exceeds one-third of the tank depth; or,

b. The scum layer is within three inches of the outlet device; or,

c. The sludge layer is within eight inches of the outlet device.

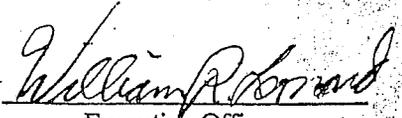
DISPOSAL AREA MONITORING

The disposal area shall be inspected weekly for surfacing effluent, saturated surface areas, and odors. Evidence of any condition of this nature shall be reported to the Executive Officer within 24 hours of knowing of such conditions, and promptly investigated and remedied. A record shall be kept of dates and nature of observations and remedies and of when use of individual leachfields is alternated or suspended.

REPORTING

Reports shall be submitted annually by the 30th of May and shall contain all data collected or calculated over the previous year. It shall also contain a narrative summary of any exceptions pursuant to Disposal Area Monitoring described above.^B

ORDERED BY


Executive Officer

November 12, 1993

Date

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