CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ORDER NO. 86-24

WASTE DISCHARGE REQUIREMENTS
FOR THE
DISCHARGE OF DOMESTIC WASTEWATER
FROM THE
PRINCE OF PEACE ABBEY, OCEANSIDE
SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. On June 30, 1960, this Regional Board adopted Resolution 60-R20, *A Resolution Prescribing Requirements for the Discharge of Wastes From The St. Charles Priory at Oceanside to the San Luis Rey River.* Resolution 60-R20 established requirements for a design peak wastewater discharge of 5,000 gallons per day (GPD) from the resident and visitors quarters to the oxidation ponds located on Priory property.

2. In a letter dated September 9, 1978, from Brother Blaise, Regional Board staff was informed that the facility had changed its name from St. Charles Priory to Prince of Peace Abbey.

3. As part of the 1985/86 fiscal year Waste Discharge Order Update Program, Resolution 60-R20 has been reviewed by Regional Board staff.

4. In a February 26, 1986 telephone conversation, Brother Joseph informed Regional Board staff that the discharge to the oxidation ponds has been approximately 3,000 gpd and that there is no discharge to the San Luis Rey River. He also informed staff that no changes have occurred to the original treatment facility as described in Resolution 60-R20.

5. The site of the discharge is located in the NE$\frac{1}{4}$ of Section 14, T11S, R5W, SBB&M, of the San Luis Rey River Valley in the Mission Hydrologic Subarea of the Bonsall Hydrologic Subunit of the San Luis Rey Hydrologic Unit.

6. The *Comprehensive Water Quality Control Plan Report, San Diego Basin (9)* (Basin Plan), adopted by this Regional Board on March 17, 1975, and approved by the State Water Resources Control Board on March 20, 1975, and updated by the Regional Board on February 27, 1978, March 23, 1981, January 23 and October 3, 1983, August 27, 1984 and December 16, 1985 established the following objectives for surface and ground waters in the Mission Hydrologic Subarea.

Constituent	Concentration not to be exceeded more than 10 percent of the time			
	Surface Water		Ground Water	
Total Dissolved Solids[1,2]	500	mg/l	1500	mg/l
Chloride[1,2]	250	mg/l	500	mg/l
Percent Sodium	60		60	
Sulfate[1,2]	250	mg/l	500	mg/l
Nitrate[1,2]	--		45	mg/l
Nitrogen & Phosphorus	*		--	
Iron[1,2]	0.3	mg/l	0.85	mg/l
Manganese[1,2]	0.05	mg/l	0.15	mg/l
Methylene Blue Active Substances[1,2]	0.5	mg/l	0.5	mg/l
Boron[1,2]	0.5	mg/l	0.5	mg/l
Dissolved Oxygen	**		--	
Odor	None		None	
Turbidity	20	NTU	5	NTU
Color[2]	20	Units	15	Units
Fluoride[2]	1.0	mg/l	1.0	mg/l

* Concentrations of nitrogen and phosphorus, by themselves or in combination with other nutrients, shall be maintained at levels below those which stimulate algae and emergent plant growth. Threshold total Phosphorus (P) concentrations shall not exceed 0.05 mg/l in any stream at the point where it enters any standing body of water, nor 0.025 mg/l in any standing body of water. A desired goal in order to prevent plant nuisances in streams and other flowing waters appears to be 0.1 mg/l total P. These values are not to be exceeded by more than 10 percent of the time unless studies of the specific water body in question clearly show that water quality objectives changes are permissible and changes are approved by the Regional Board. Analogous threshold values have not been set for nitrogen compounds; however, natural ratios of nitrogen to phosphorus are to be determined by surveillance and monitoring and upheld. If data are lacking, a ratio of N:P=10:1 shall be used.

** Ninety percent or more of natural season minimum oxygen concentration and more than 5.0 mg/l maintained at least 90 percent of the time.

7. As indicated in Finding No. 1 the only discharge to the oxidation ponds consists of domestic wastewater. Given the characteristics of the wastewater, the low volume of discharge, and the type of treatment facility, it is concluded that the discharge will comply with the water quality objectives set forth in the Basin Plan for the Mission Hydrologic Subarea.

Note: mg/l = milligrams per liter
NTU = Nephelometric Turbidity Units

A list of all footnotes referenced will be found following the last page of the waste discharge requirements section.

8. The Basin Plan contains the following prohibitions applicable to the proposed discharge:

Inland Water

"Discharge of treated or untreated sewage or industrial wastes to a natural watercourse upstream of surface storage or diversion facilities used for municipal supply is prohibited.

"Discharge of treated or untreated sewage or industrial wastewater, exclusive of cooling water or other waters which are chemically unchanged, to a watercourse, is prohibited except in cases where the quality of said discharge complies with the receiving body's water quality objectives.

"Discharging of treated or untreated sewage or industrial wastes in such manner or volume as to cause sustained surface flow or ponding on lands not owned or under the control of the discharger is prohibited except in cases defined in the previous paragraph and in cases in which the responsibility for all downstream adverse effects is accepted by the discharger.

"The dumping or deposition of oil, garbage, trash or other solid municipal, industrial or agricultural waste directly into inland waters or watercourses or adjacent to the watercourses in any manner which may permit its being washed into the watercourse is prohibited."

9. Surface waters in the Mission Hydrologic Subarea are beneficially used for:

(a) Agricultural supply
(b) Industrial service supply
(c) Water contact recreation
(d) Noncontact water recreation
(e) Warm freshwater habitat
(f) Wildlife habitat
(g) Rare and endangered species habitat

10. Ground waters in the Mission Hydrologic Subarea are beneficially used for:

(a) Municipal and domestic supply
(b) Agricultural supply
(c) Industrial services supply
(d) Ground water recharge

11. The Regional Board, in establishing the requirements contained herein, considered factors including, but not limited to, the following:

    (a) Past, present and probable future beneficial uses of water;
    (b) Environmental characteristics of the hydrographic unit under consideration, including the quality of water available thereto;
    (c) Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area;
    (d) Economic considerations; and
    (e) The need for developing housing within the region.

12. The Regional Board has considered all water resource related environmental factors associated with the proposed discharge of waste.

13. The Regional Board has notified the discharger and all known interested parties of the intent to prescribe waste discharge requirements for the proposed discharge.

14. The Regional Board in a public meeting heard and considered all comments pertaining to its proposed action.

15. This project is an ongoing project and as such is exempt from the provisions of the California Environmental Quality Act, in accordance with Title 14, California Administrative Code, Chapter 3, Article 18, Section 15261.

IT IS HEREBY ORDERED, That the Prince of Peace Abbey, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. PROHIBITIONS

1. Discharges of wastes, to lands which have not been specifically described to the Regional Board and for which valid waste discharge requirements are not in force, are prohibited.

2. The discharge of any radiological, chemical or biological warfare agent, or high-level radiological waste is prohibited.

3. Discharges of wastes other than domestic sewage to the oxidation ponds are prohibited.

4. The discharge of wastewater shall not:

    (a) Cause the presence of coliform or pathogenic organisms in waters pumped from the basin;
    (b) Cause the occurrence of objectionable tastes and odors in waters pumped from the basin;
    (c) Cause waters pumped from the basin to foam;
    (d) Cause the presence of toxic materials in waters pumped from the basin;
    (e) Cause the pH of waters pumped from the basin to fall below 6.0 or rise above 9.0;

(f) Cause this Regional Board's objectives for the ground or surface waters of the Mission Hydrologic Subarea as established in the Basin Plan to be exceeded;
(g) Cause odors, septicity, mosquitos or other vectors, weed growth or other nuisance conditions in the San Luis Rey River or its tributaries; or
(h) Cause a surface flow in the San Luis Rey River or its tributaries.

5. The discharge of a waste flow volume in excess of 5,000 gallons per day (gpd) is prohibited unless the discharger obtains revised waste discharge requirements for the proposed increased flow.

6. Odors, vectors, and other nuisances of sewage or sewage sludge origin beyond the limits of the oxidation ponds are prohibited.

C. *PROVISIONS*

1. Neither the treatment nor the discharge of pollutants shall create a pollution, contamination or nuisance as defined by Section 13050 of California Water Code.

2. The discharger must comply with all conditions of this Order. Any waste discharge requirement noncompliance constitutes a violation of the California Water Code and is grounds for (a) enforcement action; (b) for waste discharge requirement termination, revocation and reissuance, or modification; or (c) for the denial of a Report of Waste Discharge renewal application.

3. In an enforcement action, it shall not be a defense for the discharger that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the discharger shall, to the extent necessary to maintain compliance with this Order, control production of all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies, for example, when the primary source of power of the treatment facility fails, is reduced, or is lost.

4. The discharger shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order.

5. The discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with the conditions of this Order.

6. This Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the discharger for the modification, revocation and reissuance, or termination of this Order, or a notification of planned changes or anticipated noncompliance, does not stay any condition of this Order.

7. This Order is not transferrable to any person except after notice to the Executive Officer. The Regional Board may require modification or revocation and reissuance of this Order to change the name of the discharger and incorporate such other requirements as may be necessary under the California Water Code.

8. This Order does not convey any property rights of any sort or any exclusive privilege. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state or local laws, nor create a vested right for the discharger to continue his waste discharge.

9. The discharger shall allow the Regional Board, or an authorized representative upon the presentation of credentials and other documents as may be required by law, to:

   (a) Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;

   (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;

   (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations, regulated or required under this Order; and

   (d) Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location.

10. A copy of this Order shall be maintained at the Prince of Peace Abbey and shall be available to operating personnel at all times.

11. The requirements prescribed by this Order supersede the requirements prescribed by Resolution 60-R20. Resolution 60-R20 is hereby rescinded when this Order becomes effective.

D. REPORTING REQUIREMENTS

1. The discharger shall file a new Report of Waste Discharge within 120 days prior to the following:

   (a) Significant change in disposal method (e.g., change in the method of treatment which would significantly alter the nature of the waste).

   (b) Significant change in the disposal area (e.g., moving the discharge to another drainage area, or to a disposal area significantly removed from the original area, potentially causing different water quality or a nuisance problem).

(c) Increase in flow beyond that specified in the waste discharge requirements.

(d) Other circumstances which result in a material change in character, amount, or location of the waste discharge.

(e) Any planned changes in the regulated facility or activity which may result in noncompliance with these waste discharge requirements.

2. The discharger shall furnish to the Executive Officer of this Regional Board, within a reasonable time, any information which the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The discharger' shall also furnish to the Executive Officer, upon request, copies of records required to be kept by this Order.

3. The discharger must notify the Executive Officer, in writing at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage between the current discharger and the new discharger. This agreement shall include an acknowledgment that the existing discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date on.

4. The discharger shall comply with the attached Monitoring and Reporting Program No. 86-24. Monitoring results shall be reported at the intervals specified in Monitoring and Reporting Program No. 86-24.

5. Where the discharger becomes aware that they failed to submit any relevant facts in a Report of Waste Discharge, or submitted incorrect information in a Report of Waste Discharge or in any report to the Regional Board, they shall promptly submit such facts or information.

6. The discharger shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally to the Executive Officer within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times; and if the noncompliance has not been corrected: the anticipated time it is expected to continue; and steps taken to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstance must be reported to the Executive Officer within 24 hours.

7. All applications, reports, or information submitted to the Executive Officer of this Regional Board shall be signed and certified as follows:

   (a) The Report of Waste Discharge shall be signed as follows:

      (1) *For a corporation* - by a principal executive officer of at least the level of vice-president.

      (2) *For a partnership or sole proprietorship* - by a general partner or the proprietor, respectively.

      (3) *For a municipality, state, federal or other public agency* - by either a principal executive officer or ranking elected official.

   (b) All other reports required by this Order and other information required by the Executive Officer shall be signed by a person designated in paragraph (a) of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if:

      (1) The authorization is made in writing by a person described in paragraph (a) of this provision;

      (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and

      (3) The written authorization is submitted to the Executive Officer.

8. The discharger shall submit reports required under this Order, or other information required by the Executive Officer to:

   Executive Officer
   California Regional Water Quality Control Board
   San Diego Region
   6154 Mission Gorge Road, Suite 205
   San Diego, California 92120

E. NOTIFICATIONS

1. These requirements have not been officially reviewed by the United States Environmental Protection Agency and are not issued pursuant to Section 402 of the Clean Water Act.

2. The California Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this Regional Board is subject to a civil penalty not to exceed $6,000 per day.

3. The California Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or falsifying any information provided in the monitoring reports is guilty of a misdemeanor.

I, Ladin H. Delaney, 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, San Diego Region, on March 24, 1986.

Ladin H. Delaney

LADIN H. DELANEY
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

Footnote references for waste discharge requirements of Order No. 86-24, PRINCE OF PEACE ABBEY, OCEANSIDE, SAN DIEGO COUNTY

1. The recommended plan would allow for measurable degradation of ground water in this basin to permit continued agricultural land use. Point sources, however, would be controlled to achieve effluent quality corresponding to the tabulated numerical values. In future years demineralization may be used to treat ground water to the desired quality prior to use.

2. A portion of the Upper Mission Basin is being considered as an underground potable water storage reservoir for treated imported water. The area is located north of Highway 76 on the boundary of hydrographic subareas 3.11 and 3.12. If this program is adopted, local objectives approaching the quality of the imported water would be set and rigorously pursued.

CAL[illegible]NIA REGIONAL WATER QUALITY C[illegible]ROL BOARD
SAN DIEGO REGION

MONITORING AND REPORTING PROGRAM NO. 86-24
FOR
PRINCE OF PEACE ABBEY, OCEANSIDE
SAN DIEGO COUNTY

A. *MONITORING PROVISIONS*

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. Effluent samples shall be collected by a grab sample in the oxidation pond.

2. The discharger shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by this Order, and records of all data used to complete the application for this Order, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the Executive Officer at any time.

3. Records of monitoring information shall include:

   (a) The date, exact place, and time of sampling or measurements;

   (b) The individual(s) who performed the sampling or measurements;

   (c) The date(s) analyses were performed;

   (d) The individual(s) who performed the analyses;

   (e) The analytical techniques or methods used; and

   (f) The results of such analyses.

4. Monitoring results must be reported on Discharge Monitoring Report forms ~~supplied~~ Approved by the Regional Board.

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5. Monitoring must be conducted according to United State Environmental Protection Agency test procedures approved under 40 CFR, Part 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants."

6. If the discharger monitors any pollutant more frequently than required by this Order, using test procedures approved under 40 CFR, Part 136, or as specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharger's monitoring report.

7. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the Executive Officer.

8. The discharger shall report all instances of noncompliance not reported under Reporting Requirement No. 6 of this Order at the time monitoring reports are submitted. The reports shall contain the information listed in Reporting Requirement No. 6.

9. The monitoring reports shall be signed by an authorized person as required by Reporting Requirement No. 7 of this Order.

10. A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes.

11. Prior to the commencement of the discharge, the discharger shall submit a report detailing a plan for implementing this monitoring program.

B. *OXIDATION POND*

The oxidation pond shall be sampled annually and analyzed for the following:

Constituent	Unit
Total Dissolved Solids	mg/l
Sulfates	mg/l
Chlorides	mg/l
Sodium	mg/l
pH	Units

C. *WASTEWATER VOLUME*

The volume of wastewater discharged to the oxidation pond shall be estimated and reported annually in terms of average monthly flow.

D. *RESIDENT AND VISITOR USE*

The number of permanent residents and visitors per month shall be reported annually.

Note: mg/l = milligrams per liter

E. REPORT SCHEDULE

Monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

Reporting Frequency	Report Due
Annually	January 31

Ordered by: Ladin H. Delaney

LADIN H. DELANEY
Executive Officer
March 24, 1986

WP:hd