

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

BOARD ORDER NO. 6-84-93

REVISED EXEMPTION FROM PROHIBITION FOR DESIGNATED
PORTIONS OF
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT
San Bernardino County

The California Regional Water Quality Control Board, Lahontan Region finds:

1. The California Regional Water Quality Control Board, Lahontan Region, adopted a Water Quality Control Plan (Interim) for the South Lahontan Basin on June 11, 1971 and has subsequently amended that plan.
2. The Interim Plan prohibited the discharge of waste after January 1, 1975, within specific areas of the South Lahontan Basin.
3. The Lake Arrowhead Community Services District's boundaries are within two of the designated prohibition areas, specifically the Deep Creek and Grass Valley Watersheds.
4. The Board adopted the Water Quality Control Plan for the South Lahontan Basin on May 8, 1975.
5. As authorized by Section 13243 of the Porter-Cologne Water Quality Control Act, the Basin Plan includes prohibitions on the discharge of waste. As stated in Part I, Chapter 5 of the plan, the prohibition includes:
 - "2. The discharge of waste within the following areas is prohibited:
"After January 1, 1975:"
 - "(b) The Deep Creek Watershed above elevation 3,200 feet.
"After May 15, 1975:
"(a) The Grass Valley Creek Watershed above elevation 3,200 feet.
"An exemption to this prohibition may be granted whenever the Regional Board finds that the continued operation of septic tanks, cesspools, or other means of waste disposal in a particular area will not, individually or collectively, directly or indirectly, affect water quality and that the sewerage of such area would have a damaging effect upon the environment."
6. The Board extended the effective prohibition deadline to January 1, 1977 by Board Order No. 6-75-29 which was adopted on February 27, 1975.

7. On June 30, 1977 the Regional Board adopted Board Order No. 6-77-86 which granted conditional exemptions to certain designated areas within the Lake Arrowhead Sanitation District's (now the Lake Arrowhead Community Services District) sphere of influence for the continued use of existing septic tank systems and for the installation of new septic tank systems. The exemption order was subsequently revised on August 3, 1978 (Board Order No. 6-78-56) and again on January 8, 1981 (Board Order No. 6-81-4). Both orders extended the areas to which the exemption order applied.
8. The Board is revising the exemption order at this time to indicate the change in the sewerage entity from the Lake Arrowhead Sanitation District to the Lake Arrowhead Community Services District and to eliminate some of the exempted areas because they have been seweraged.
9. On June 7, 1983 residents in the Lake Arrowhead area voted to (1) enlarge the Lake Arrowhead Community Services District to include all the area now within the Lake Arrowhead Sanitation District and (2) dissolve the sanitation district and transfer its assets, liabilities, operation and personnel to the community services district. The Lake Arrowhead Community Services District (LACSD) became the official sewerage entity on July 1, 1983.
10. On May 30, 1977 the San Bernardino County Board of Supervisors, acting as the governing body of the Lake Arrowhead Sanitation District, held public hearings and subsequently adopted portions of a project report prepared by the district's engineer. That report addressed sewerage needs within the boundaries of the sanitation district's sphere of influence.
11. The project report adopted by the County Board of Supervisors included the following recommendations:
 - A. The following areas were recommended for immediate sewerage:
 1. Kuffel Canyon (portions thereof)
 2. Cedar Glen/Hook Creek (portions thereof)
 3. Cottage Grove Road
 - B. Sewerage was not recommended in the following areas:
 1. Deer Lodge Park
 2. Dogwood/Blue Jay
 3. Lake Arrowhead Crest Estates
 4. Little Bear Creek/Hook Creek (portions thereof)

5. Burnt Mill
 6. Skyforest
 7. Meadowbrook Woods and Inspiration Park
12. The Cottage Grove Road (A.3) and the Meadowbrook Woods and Inspiration Park (B.7) areas listed in Finding No. 11 have recently been sewered and therefore should no longer be exempted from the discharge prohibition.
 13. The LACSD has implemented a surface water quality monitoring program for the purpose of identifying and monitoring the quality of various surface waters throughout the district. The surface water quality monitoring program has been incorporated into the monitoring and reporting program for this order.
 14. The San Bernardino County Environmental Public Works Agency prepared a final environmental impact report in 1977 in accordance with the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) and the State Guidelines (Chapter 3, Title 14, California Administrative Code). No substantial adverse water quality impacts as a result of the project were identified in the environmental impact report.
 15. The Regional Board has determined that:
 - A. Subject to certain conditions, the discharge from underground leaching and percolation systems within the areas exempted from the discharge prohibition could be allowed; and
 - B. The sewerage of each of the areas exempted from the discharge prohibition would have a damaging effect on the environment.
 16. The beneficial uses of the groundwaters of the Upper Mojave Hydrologic Subunit of the Mojave Hydrologic Unit as set forth and defined in the plan are:
 - a. municipal and domestic supply
 - b. agricultural supply
 - c. industrial service
 - d. freshwater replenishment
 17. The Board has notified the LACSD and other interested agencies and persons of its intent to revise the exemptions for the discharge prohibition for designated portions of the Lake Arrowhead Community Services District.

18. The Board, in a public meeting, heard and considered all comments pertaining to the exemption order.

IT IS HEREBY ORDERED, that the properties located within the study areas identified on Plate A-6 of the Wastewater Facilities Plan, Lake Arrowhead Sanitation District, August 1976, except for areas A(3) and B(7) listed in Finding No. 11, shall be excluded from the prohibition of waste discharge provided the following conditions are met:

I. DISCHARGE SPECIFICATIONS

A. SPECIFIC REQUIREMENTS

1. There shall be a minimum of 100 feet (30.5 m) of horizontal separation between any leaching disposal system and surface waters.
2. All subsurface discharges of domestic wastewater shall receive treatment in a properly constructed and maintained septic tank, or another solids removal device approved by the local agency, prior to discharge.
3. For all of those properties which are currently undeveloped^{a/} or unimproved^{b/}, the following additional conditions shall also be met for exemption to the prohibition of waste discharge.
 - a. Ground slope in the disposal area shall not be greater than 30 percent.^{c/}
 - b. The percolation rate in the disposal area shall not be greater than 60 minutes per inch (24 min/cm) if the discharge is through a leachfield and not greater than 30 minutes per inch (12 min/cm) if the discharge is through a seepage pit. For percolation rates less than 5 minutes per inch (2 min/cm), more than 10 feet (3.0 m) of separation between groundwater and the bottom of the disposal facilities may be required.
 - c. Depth of soil^{d/} between ground surface and bedrock or any other material of low permeability shall not be less than 10 feet (3.0 m).
 - d. Depth of soil^{d/} between the bottom of the disposal facilities and groundwater shall not be less than 10 feet (3.0 m).
 - e. All facilities used for collection, transport, treatment or disposal of waste shall be adequately protected against either structural damage or a significant reduction in efficiency resulting from a storm or flood having a recurrence interval of once in 100 years.

a/ Undeveloped refers to an area where there are no services and no structures

b/ Unimproved refers to an area that could have full services provided but has no structures

c/ Upon presentation of engineering data demonstrating that no outcropping would occur as a result of the proposed discharge the 30 percent limit may be waived.

d/ Soil is defined as a granular or weathered material having an effective porosity of greater than 15 percent.

B. RECEIVING WATER LIMITATIONS

1. The waste discharges shall not result in any perceptible color, odor, taste or foaming in surface or groundwaters of the Upper Mojave Hydrologic Subunit of the Mojave Hydrologic Unit.
2. The discharge shall not result in the presence of undesirable tastes or odors in fish flesh or other edible organisms from surface waters of the Mojave Hydrologic Unit.
3. The discharge shall not result in coliform organisms attributable to human wastes to be present in the surface or groundwaters of the Mojave Hydrologic Unit.
4. The discharge shall not cause there to be in any surface or groundwater of the Mojave Hydrologic Unit toxic substances that individually, collectively or cumulatively cause detrimental physiological responses in human, plant, animal, or aquatic life.

C. GENERAL REQUIREMENTS

1. There shall be no discharge, bypass or diversion of raw or partially treated sewage, sewage sludge, grease or oils from the collection, transport, treatment or disposal facilities to adjacent land areas or surface waters.
2. Surface flow or visible discharge of sewage or sewage effluent at the disposal sites or from the disposal sites to adjacent land areas or surface water is prohibited.
3. The discharge shall contain no trace elements, pollutants or contaminants, or combinations thereof, in concentrations which are toxic or harmful to humans or to aquatic or terrestrial plant or animal life.
4. The discharge shall not cause a pollution.
5. Neither the treatment nor the discharge shall cause a nuisance.

II. PROVISIONS

1. Board Orders No. 6-81-4 and 6-78-56 are hereby rescinded.
2. The LACSD shall comply with Monitoring and Reporting Program No. 84-93 as specified by the Executive Officer.
3. The discharge of waste is prohibited 90 days after sewage collection lines become available^{a/} to a discharger.

a/ A public sewage collection system shall be considered as being available when a public sewer is located less than 200 feet (61 m) from a house, building or property in which plumbing fixtures are installed and which abuts a street or easement in which is located a public sewer.

4. The California Regional Water Quality Control Board, Lahontan Region, hereby reserves the privilege of changing all or any portion of this order upon legal notice to and after opportunity to be heard is given to all concerned parties.
5. Surface waters as used in this order, include, but are not limited to, live streams, either perennial or ephemeral, which flow in natural or artificial watercourses and natural lakes and artificial impoundments of waters within the State of California.

I, Roy C. Hampson, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an order adopted by the California Regional Water Quality Control Board, Lahontan Region on July 13, 1984.



ROY C. HAMPSON
EXECUTIVE OFFICER

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

MONITORING AND REPORTING PROGRAM NO. 84-93

FOR

REVISED EXEMPTION FROM PROHIBITION FOR DESIGNATED
PORTIONS OF
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT
San Bernardino County

EXEMPTION MONITORING

1. A list shall be compiled each quarter of the lots in exemption areas that were granted building permits during the quarter.

SURFACE WATER MONITORING

Grab samples shall be collected monthly at the following locations:

1. Turn off Hwy. 173 onto Pilot Rock Fire Rd. (2N33). Travel approximately 0.8 miles. Sample upstream approximately 100 ft. from where Grass Valley Cr. crosses road.
2. Go up Blue Jay Rd. into Blue Jay Canyon from the State Hwy. 189. Where the road splits, sample under the wood bridge (Butterfly Bridge) on the right fork of the road.
3. Sample from Blue Jay Cr., not the runoff from the town. Upstream of the highway, just east of N. Bay Rd.
4. Drive 0.2 miles south of the stop sign at the intersection of Cottage Grove Rd. and Hwy. 173. Sample under the footbridge on Tr. 8760, Lot 28 on the east side of the road.
5. At the intersection of Cottage Grove Road and Hwy. 189, sample upstream of the culvert which goes under the road.
6. Just above the entrance to the Church camp, there is a dirt road east of the office building. Turn onto the dirt road and sample from the creek just upstream from the road.
7. Sample Orchard Cr. just across from the green house on Lot 74. It is on Potomac Rd. just west of Merrimack Dr.
8. Down Hook Cr. Rd., turn right on road to Scout Camp. Collect sample 50 ft. down stream of the intersection of the two creeks.
9. Continue down Hook Cr. Rd. past where it turns into 3N15 and becomes dirt to where the stream crosses the road. Sample upstream of the road.

10. Drive about 1/4 mile further along road, 100 yds, before "Y" in road. Follow foot path on the left about 50 yds. crossing the intersection of two small creeks. Hike upstream on the second stream just past the small house on the hill. Sample at the small rapids.

The monthly surface water samples shall be analyzed to determine the magnitude of the following parameters:

<u>PARAMETER</u>	<u>UNIT</u>
Total Coliform	MPN/100ml
Fecal Coliform	MPN/100ml
Fecal Streptococci	MPN/100ml
Methylene Blue Active Substances	mg/l

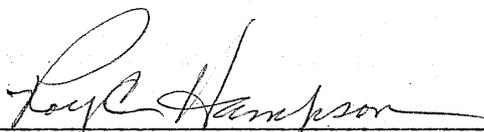
ANALYSIS OF SAMPLES

All analyses shall be performed in accordance with the current edition of Standard Methods for the Examination of Water and Wastewater and in a laboratory certified to perform such analyses by the California State Department of Health Services or a laboratory approved by the Executive Officer.

REPORTING

Monthly monitoring reports including the preceding information shall be submitted to the Regional Board by the 15th day of the following month. The first report is due August 15, 1984.

Ordered by



ROY C. HAMPSON
EXECUTIVE OFFICER

Dated:

