

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

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May 14, 1997

Mr. Christopher L. Christian
Resident Manager

Top O' Topanga Mobile Home Estates
3360 North Topanga Canyon Boulevard
Topanga, CA 90290

**WATER RECLAMATION REQUIREMENTS FOR TOP O' TOPANGA PARTNERS LIMITED, TOP
O' TOPANGA MOBILE HOME ESTATES WASTEWATER TREATMENT PLANT (FILE NO. 61-
149, CI 3185)**

Our letter of April 16, 1997, transmitted tentative Water Reclamation Requirements for your waste
discharge.

Pursuant to Division 7 of the California Water Code, this Regional Board at a public meeting held
on May 12, 1997, reviewed the tentative requirements, considered all factors in the case, and
adopted Order No. 97-071 (copy attached) relative to this discharge.

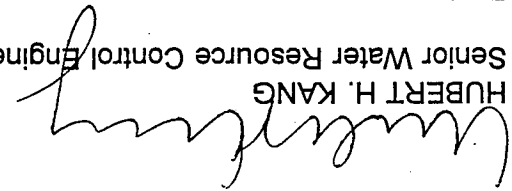
Project **File No.** **Order No.** **Monitoring & Reporting** **Program No.**

Top O' Topanga Partners Limited
Top O' Topanga Mobile Home
Estates Wastewater Treatment Plant 61-149 97-071 3185

You are required to implement Monitoring and Reporting Program No. 3185 on the effective date
of the Order. Your first monitoring report under these Requirements is due to this Regional Board
by July 30th, 1997. All monitoring reports should be sent to the Regional Board, Attn: Technical
Support Unit.

Please reference all monitoring reports to our Compliance File No. CI-3185. We would appreciate
if you would not combine other reports, such as progress or technical reports, with your
monitoring reports.

If you have any questions or comments, please call Ahmad Lamaa at (213) 266-7560.


HUBERT H. KANG
Senior Water Resource Control Engineer

Enclosures

Mr. Christopher L. Christian

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cc: John Youngerman, Division of Water Quality, State Water Resources Control Board
Jorge Leon, Office of Chief Counsel, State Water Resources Control Board
Department of Water Resources, Southern District
Department of Fish and Game, Region 5
Gary Yamamoto, Drinking Water Field Operations Branch, State Department of Health Services
Michael Kiado, Environmental Management Branch, State Department of Health Services
South Coast Air Quality Management District
Jack Petralia, Department of Environmental Health, County of Los Angeles
Los Angeles County, Department of Regional Planning
Carl Sjoberg, Department of Public Works, Waste Management Division, County of Los Angeles
Las Virgenes Municipal Water District
7 H Technical Services Group Inc.

WATER RECLAMATION REQUIREMENTS

FOR

TOP O' TOPANGA PARTNERS LIMITED

(Top O' Topanga Mobile Home Estates Wastewater Treatment Plant)

(File No. 61-149)

ORDER NO. 97-071

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), finds:

1. Top O' Topanga Partners Limited owns Top O' Topanga Mobile Home Estates (hereinafter collectively called Water Recycler), located at 3360 N. Topanga Canyon Boulevard, Los Angeles County, California (Figure 1). Treated domestic wastewaters are used for spray irrigation of the side slopes landscaping under Water Reclamation Requirements contained in Order No. 87-013, adopted by this Regional Board on January 26, 1987.

7-H Technical Services Group Inc. will operate and maintain the Plant, storage pond, and spray irrigation facilities for reclaimed water use for Top O' Topanga Mobile Home Estates
2. Top O' Topanga Partners Limited has filed a report of material change for recycling of the treated wastewater. These Water Recycling Requirements have been revised to reflect current wastewater treatment processes, and include additional findings, effluent limitations, prohibitions, specifications for reclaimed water use, updated standard provisions, and an expanded monitoring and reporting program.

3. The Water Recycler operates a secondary wastewater treatment plant (Plant) in order to provide an effluent that complies with all Title 22 Water Reclamation Requirements for irrigation of hillside slopes. The Plant has a design capacity of 40,000 gallons per day (gpd) to serve 224 spaces trailer park. The average daily dry weather flow is approximately 22,000 gpd.

4. The current wastewater treatment is a package treatment plant consisting of a grinder, extended aeration activated-sludge, clarification, chlorination, and storage in approximately 1.5 million gallon pond. Sludge is aerobic digested and removed by a hauler for legal disposal. Reclaimed water is being used for spray irrigation of the side slopes landscaping. The Water Recycler will upgrade the chlorination facilities to insure that all reclaimed water receives adequate disinfection.

5. The Plant, storage ponds, and areas of reclaimed water use are located in and around Section 36, T3N, R15W, San Bernardino Base and Meridian. The facility's latitude is 34°08'10"; its longitude is 118°35'50".

Top O' Topanga Partners Limited
Top O' Topanga Mobile Home Estates
Wastewater Treatment Plan
Order No. 97-071

6. Las Virgenes Municipal Water District provides potable water to the facility.

7. The Board adopted a revised Water Quality Control Plan for the Los Angeles Region on June 13, 1994. The Water Quality Control Plan contains beneficial uses and water quality objectives for groundwater within the Topanga Canyon Area Groundwater Basin. The requirements contained in this Order, as they are met, will be in conformance with the goals and objectives of the Water Quality Control Plan.

8. The Plant and spray irrigation areas are located within the southern slopes of the Santa Monica Mountains and overlie the Topanga Canyon Area Groundwater Basin. Groundwater in this area has existing beneficial uses as municipal and domestic supply, agricultural supply, and industrial service supply.

9. Section 13523 of the California Water Code provides that a Regional Board, after consulting with and receiving the recommendations from the State Department of Health Services (SDHS), and after any necessary hearing, shall, if it determines such action to be necessary to protect the public health, safety, or welfare, prescribe Water Recycling Requirements for water which is used, or proposed to be used, as reclaimed water.

Section 13523 further provides that such requirements shall include, or be in conformance with, the statewide Recycling criteria.

10. Regional Board staff have consulted with the SDHS regarding the current recycling of secondary-treated wastewater, which is to be used for restricted access irrigation, and has incorporated the SDHS findings and recommendations.

11. The use of reclaimed water for landscape irrigation could affect the public health, safety, or welfare; requirements for such use are therefore necessary in accordance with Section 13523 of the California Water Code.

12. This project involves an existing facility, and, as such, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 2100 et seq.) in accordance with Title 14, California Code of Regulations, Chapter 3, Section 15301.

The Regional Board has notified the Water Recycler and interested agencies and persons of its intent to revise Water Recycling Requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge and to the updated requirements.

IT IS HEREBY ORDERED that the Top Topanga Associates shall comply with the following:

A. RECYCLED WATER LIMITATIONS

1. Reclaimed water shall be limited to treated domestic and commercial wastewater only. No industrial wastes shall be discharged at this location.
2. Reclaimed water shall not contain constituents in excess of the following limits:

Effluent Limitations		Maximum Effluent Limitations	
Constituent	Units	Constituent	Units
✓ Total dissolved solids	mg/L	2,000	mg/L
✓ Chloride	mg/L	500	mg/L
✓ Sulfate	mg/L	500	mg/L
✓ Boron	mg/L	2	mg/L
✓ BOD ₅ 20°C	mg/L	45	mg/L
✓ Nitrate-N+nitrite-N	mg/L	10	mg/L

3. ✓ Recycled water shall be at all times within the range of 6.0 to 9.0 pH units.

4. Water in the surface layer of any pond or reservoir containing recycled water shall meet the following quality limitations at all times:
 - a) Dissolved oxygen 2.0 mg/L, minimum
 - b) Dissolved sulfide 0.1 mg/L, minimum

5. Recycled water shall not contain heavy metals, arsenic, or cyanide in concentrations exceeding the limits contained in the current California Drinking Water Standards.

6. Any wastes that do not meet the foregoing limitations shall be held in impervious containers, and discharged at a legal point of disposal.

B. RECYCLED WATER SPECIFICATIONS

1. Recycled water used for landscape irrigation shall be at all times an adequately oxidized and disinfected wastewater.

An oxidized wastewater means wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen. For the purpose of these requirements, an oxidized wastewater shall be equivalent to secondary effluent with the following characteristics:

The recycled water shall be considered adequately disinfected if the 7-day median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7-days for which analyses have been completed, and the number of coliform organisms does not exceed 240 per 100 milliliters in more than one sample in any 30-day period.

2. Recycled water shall not be directly used for purposes other than those defined above until requirements for these uses have been established by this Regional Board, in accordance with Section 13523 of the California Water Code, unless the Regional Board finds that the above cited standards are applicable to these uses.

3. There shall be no cross-connection between potable water supply and piping containing recycled water.

4. Recycled water shall be applied at such a rate and volume as not to exceed vegetative demand and soil moisture conditions. Special precautions must be taken to prevent clogging of spray nozzles, to prevent over-watering, and to exclude the production of runoff. Pipelines shall be maintained so as to prevent leakage.

5. All areas where recycled water is used, and that are accessible to the public, shall be posted with conspicuous signs that include the following wording in a size no less than 4 inches high by 8 inches wide: "ATTENTION: NON-POTABLE RECLAIMED WATER - DO NOT DRINK." Each sign shall display the international symbol shown in Figure 2.

6. Standby or emergency power facilities and/or sufficient capacity shall be provided for reclaimed water storage during rainfall or in the event of plant upsets or outages, and at times when irrigation cannot be practiced.

7. Adequate facilities shall be provided to protect the sewage treatment and recycling facilities from damage by storm flows and runoff.

8. Adequate freeboard shall be maintained in all storage ponds to ensure that direct rainfall will not cause overtopping.

9. Supervisors and operators of this Plant shall possess a certificate of appropriate grade as specified in Title 23, California Code of Regulations, Section 3680 or subsequent revisions.

D. PROHIBITIONS

1. The discharge of raw or inadequately treated sewage at any time is prohibited.
2. Recycled water shall not be used for irrigation during periods of extreme rainfall and/or runoff.
3. Recycled water use shall not result in earth movement in geologically unstable areas.
4. Recycled water shall not be used for irrigation or stored in any impoundment within 100 feet of any water well or mineral spring.
5. Neither treatment of waste, nor any reclaimed water use shall cause pollution or nuisance.
6. Water reuse or disposal shall not result in problems due to breeding of mosquitoes, gnats, midges, or other pests.
7. Recycled water use or disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving groundwater.
8. Recycled water use or disposal, which could affect receiving groundwater, shall not contain any substance in concentrations toxic to human, animal, or plant life.
9. Odors of sewage origin shall not be perceivable beyond the limits of the property owned or controlled by the Water Recycler.
10. Raw sewage or partially dried waste sludge shall not be sprayed on the ground surface.
11. The discharge of recycled water at any point(s) other than specifically described in this Order is prohibited, and constitutes a violation of the Order.
12. The storage ponds shall not contain floating materials, including solids, liquids, foams, or scum, in concentrations that cause nuisance, adversely affect beneficial uses, or serve as a substrate for undesirable bacterial and algal growth and insect vectors.

E. PROVISIONS

1. A copy of this Order shall be maintained at the treatment and discharge facilities so as to be available at all times to operating personnel.

2. The Water Recycler shall file with the Regional Board technical reports on self-monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Program, as directed by the Executive Officer. The results of any monitoring done more frequently than required at the locations and/or times specified in the Monitoring and Reporting Program shall be reported to the Regional Board.

3. The Water Recycler shall notify this Regional Board, by telephone within 24 hours, of any violations of discharged or reclaimed water use conditions or any adverse conditions as a result of the use of reclaimed water from this facility; written confirmation shall follow within one week.

4. The Water Recycler shall notify the Regional Board staff, by telephone, immediately, of any confirmed coliform counts that could cause a violation of the Water Recycling Requirements, including the date(s) thereof. This information shall be confirmed in the next monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high coliform results, the steps being taken to correct the problem (including dates thereof), and steps that have been taken to prevent a recurrence.

5. This Order does not alleviate the responsibility of the Water Recycler to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency. Expansion of the facility from its current capacity shall be contingent upon issuance of all necessary permits, including a Conditional Use Permit.

6. For any extension or expansion of the reclaimed water distribution system, the Water Recycler shall submit a report detailing the extension or expansion for the approval of the Executive Officer and State Department of Health Services-Office of Drinking Water. Following construction, as-built drawings shall be submitted to the Executive Officer and State Department of Health Services-Office of Drinking Water for approval prior to use of reclaimed water.

7. The Water Recycler shall submit to the Regional Board, within 60 days of the adoption of this Order, procedures that will be, or have been, taken to ensure that no discharge or recycling of any untreated sewage or partially treated sewage from the treatment facility, in the event of equipment failure, will result.

8. Any offsite disposal of sewage sludge shall be made only to a legal point of disposal, and in accordance with provisions of Division 7.5 of the California Water Code. For the purpose of these requirements, a legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith. Any sewage or sludge handling shall be in a manner as to prevent its reaching surface waters or water courses.
9. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
 - (a) Violation of any term or condition contained in this Order;
 - (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;
 - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
10. The Water Recycler shall furnish, within a reasonable time, any information the Regional Board or the SDHS may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The Water Recycler shall also furnish to the Regional Board, upon request, copies of any records required to be kept by this Order.
11. The Water Recycler shall take all reasonable steps to minimize or prevent any discharge that has a reasonable likelihood of adversely affecting human health or the environment.
12. Bypass (the intentional diversion of waste streams from any portion of a treatment facility) is prohibited. The Regional Board may take enforcement action against the Water Recycler for bypass unless:
 - (a) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage. (Severe property damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.);

(b) There were no feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated waste, or maintenance during normal periods of equipment down time. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that could occur during normal periods of equipment downtime or preventive maintenance; and

(c) The Water Recycler submitted a notice at least ten days in advance of the need for a bypass to the Regional Board.

The Water Recycler may allow a bypass to occur that does not cause effluent limitations to be exceeded, but only if it is for essential maintenance to ensure efficient operation. In such a case, the above bypass conditions are not applicable.

13. The Water Recycler shall identify a responsible party to comply with this Order and the Monitoring and Reporting Program. This information shall be provided to the Regional Board within 30 days of receiving this Order.

Thereafter, the responsible party must notify the Regional Board, in writing, at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new Water Recycler. The notice must include a written agreement between the existing and new Water Recycler containing a specific date for the transfer of responsibility under this Order and compliance between the current and new Water Recycler.

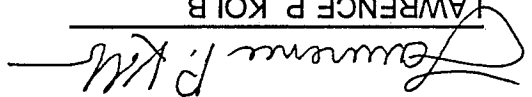
14. This Order includes "Standard Provisions Applicable to Waste Discharge Requirements." If there is any conflict between provisions stated herein and the "Standard Provisions Applicable to Waste Discharge Requirements," these provisions stated herein will prevail.

Top O' Topanga Partners Limited
Top O' Topanga Mobile Home Estates
Wastewater Treatment Plan
Order No. 97-071

F. RESCISSION

Order No. 87-149, adopted by this Board on January 2, 1987, is hereby rescinded.

I, Lawrence P. Kolb, Acting 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, Los Angeles Region, on May 12, 1997.



LAWRENCE P. KOLB
Acting Executive Officer

/s/

Figure 1

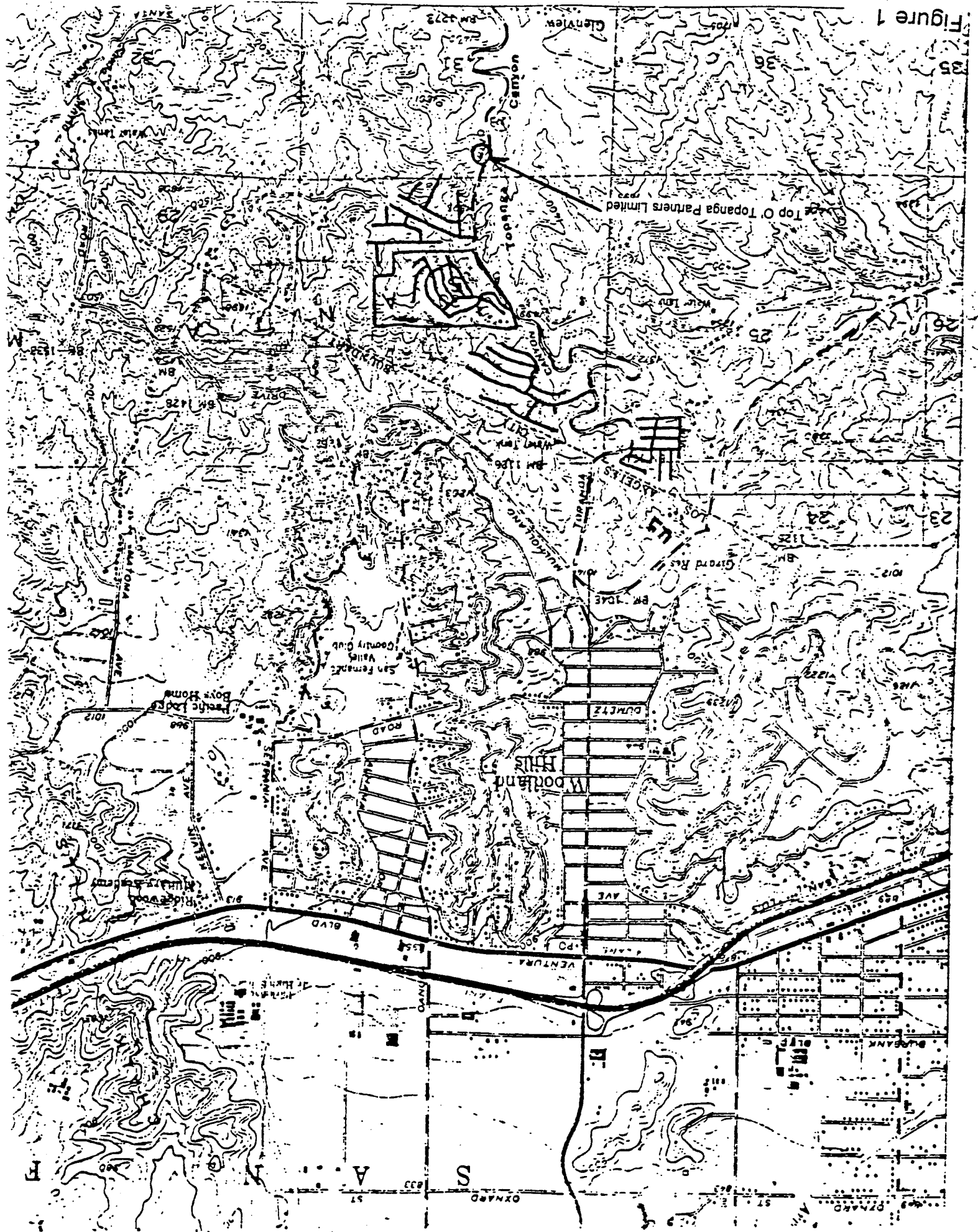
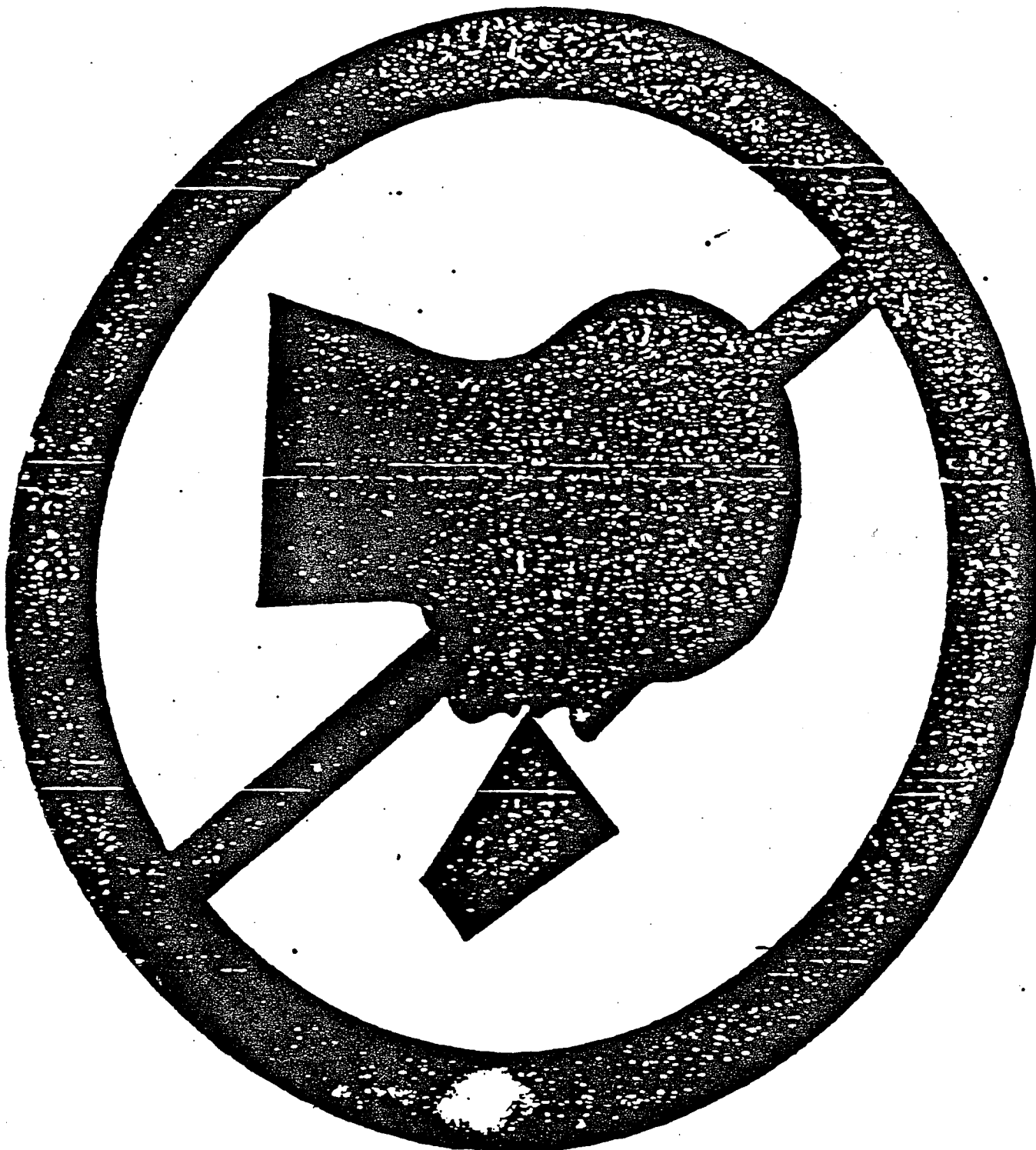


FIGURE 2



STATE OF CALIFORNIA

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 3185

FOR

TOP O' TOPANGA PARTNERS LIMITED

(Top O' Topanga Mobile Home Estates Wastewater Treatment Plant)

(File No. 61-149)

Top O' Topanga Partners Limited (hereinafter collectively called Water Recycler), shall implement this monitoring program on the effective date of this Order.

Monitoring reports shall be submitted by the dates in the following schedule:

Reporting

<u>Reporting Period</u>	<u>Report Due</u>
January-March	April 30
April-June	July 30
July-September	October 30
October-December	January 30

The first monitoring report under this program shall be submitted by July 30th, 1997.

By January 30th of each year, beginning in 1998, the Reclaimer shall submit an annual report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the Reclaimer shall discuss the compliance record and the corrective actions taken, or planned, which may be needed to bring the discharge into full compliance with the Requirements.

Effluent Monitoring

A sampling station shall be established where representative samples of treated wastewater prior to reclamation can be obtained. Reclaimed water samples may be obtained at a single station provided that station is representative of the quality at all discharge points. Each sampling station shall be identified and approved by the Executive Officer prior to its use. The following shall constitute the reclaimed water Monitoring Program:

EFFLUENT MONITORING

Minimum Frequency of Analysis	Type of Sample	Units	Constituents
continuous	---	gal/day	Total waste flow ¹
daily	grab	MPN/100mL	Coliform ²
monthly	grab	pH units	pH
monthly	grab	mg/L	BOD ₅ 20°C
quarterly	grab	mg/L	Total organic carbon
quarterly	grab	mg/L	Total dissolved solids
quarterly	grab	mg/L	Chloride
quarterly	grab	mg/L	Boron
quarterly	grab	mg/L	Sulfate
quarterly	grab	mg/L	Fluoride
quarterly	grab	mg/L	Nitrate-N
quarterly	grab	mg/L	Nitrite-N
quarterly	grab	mg/L	Ammonia nitrogen-N
one-time analysis	grab	µg/L	Priority pollutant scan ³

- For those constituents that are continuously monitored, the Reclaimmer shall report the minimum, maximum, and daily average values.
- Coliform samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facilities and disinfection processes. The location(s) of the sampling point(s) and any proposed changes thereto must be approved by the Executive Officer, and the proposed changes shall not be made until such approval has been granted. If the chosen sampling point(s) is/are not immediately located prior to discharge, subsequent to all treatment processes, an additional control sample of the final reclaimed water must be obtained and analyzed for coliform. The second sample(s), if required, shall be obtained at the same time and frequency as the other required samples.
- Priority pollutants are listed on Page T-6

General Provisions for Sampling and Analysis

All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for Accreditation Program, or approved by the Executive Officer. Laboratory analyses must follow methods approved by the United States Environmental Protection Agency (USEPA), and the laboratory must meet USEPA Quality Assurance/Quality Control criteria. All analytical data must be presented on the enclosed Laboratory Report Forms. Analytical data reported as "less than" or below the detection limit for the purpose of reporting compliance with limitations, shall be reported as "less than" a numerical value or "below the detection limit" for that particular analytical method (also giving the numerical detection limit).

Wastes Hauling Report

In the event that wastes are hauled to a disposal site, the name and address of the hauler of the waste shall be reported in each quarterly monitoring report, along with quantities hauled during the quarter, and the location of the final point of disposal. If no wastes are hauled during the reporting period, a statement to that effect shall be submitted in the quarterly monitoring report.

General Provisions for Reporting

For every item where the requirements are not met, the Reclaimer shall submit a statement of the actions undertaken, or proposed, which will bring the discharge into full compliance with requirements at the earliest time, and submit a timetable for correction.

In reporting the monitoring data, the Reclaimer shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with water reclamation requirements and, where applicable, shall include results of receiving water observations.

Please submit all analytical data in hardcopy and on 3 1/2" computer diskette. Submitted data must be IBM compatible, preferably using Lotus123 or dBase software, or in ASCII format.

The Reclaimer shall file a written report with this Regional Board describing the purposes for which reclaimed water from this facility is used, estimating quantities used for each type of use, depicting on a map or drawing the area(s) of use, and stating the name and address of each user of reclaimed water if other than the Reclaimer. This report shall be updated at least annually, and shall be included with the annual report due January 30th each year.

Each quarterly report shall include a statement that all reclaimed water was used only as specified in the requirements during the quarter.

If no water was delivered for reuse during the quarter, the report shall so state.

Each quarterly monitoring report shall include the method(s) of irrigation, application rates, crops irrigated during the quarter and the approximate acreage receiving reclaimed water.

Monitoring reports shall be signed and certified as follows:

- a. In the a case of corporation, by a principal Executive Officer of at least the level of vice-president;
- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;
- d. In the case of municipal, state, federal, or other public agency, by either a principal Executive Officer or ranking elected official.

A duly authorized representative of a person designated above may sign documents if:

- a. The authorization is made in writing by a person described above;
- b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
- c. The written authorization is submitted to the Executive Officer of this Regional Board.

Each report shall contain the following completed declaration:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. [California Water Code Sections 13263, 13267, and 13268]

Executed on the _____ day of _____ at _____.

Signature

"Title"

Operation and Maintenance Report

The Reclaimer shall file a technical report with this Regional Board, not later than 30 days after receipt of these Water Reclamation Requirements, relative to the operation and maintenance program for these discharge and reclamation facilities. The information to be contained in that report shall include, as a minimum, the following:

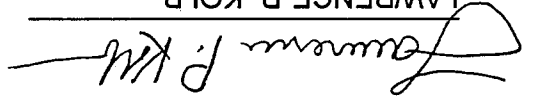
- a. The name and address of the person or company responsible for operation and maintenance of the facility.
- b. Type of maintenance (preventive or corrective).
- c. Frequency of maintenance, if preventive.

/s/

Date: May 12, 1997

Acting Executive Officer

LAWRENCE P. KOLB



These records and reports are public documents and shall be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Monitoring and Reporting Program No. 3185

(Top O' Topanga Mobile Home Estates)

Top O' Topanga Partners Limited

File No. 61-149

