CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ORDER NO. 93-27

WASTE DISCHARGE REQUIREMENTS
FOR THE
LILAC ENTERPRISE CORPORATION
HIDEAWAY LAKE MOBILE HOME ESTATES
SAN DIEGO COUNTY

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

1. On August 31, 1962, this Regional Board adopted Resolution 62-R28, **A Resolution Prescribing Requirements for the Disposal of Treated Sewage Through Golf Course Irrigation by the Mizpah Ranchos Development Near Valley Center, San Diego County.** Resolution 62-R28 established waste discharge requirements for the disposal of up to 0.1 million gallons per day (MGD) of treated domestic wastewater by irrigation of a golf course in the vicinity of the development treatment facility.

2. On September 3, 1964, this Regional Board adopted Addendum No. 1 to Resolution 62-R28, **An Addendum Modifying Requirements of Resolution 62-R28.** Addendum No. 1 to Resolution 62-R28 authorized the discharger to discharge up to a maximum of 19,500 gallons per day (gpd) of domestic sewage effluent from a mobile home park at Mizpah Ranchos. =0.0195 MGD

3. On September 8, 1986, this Regional Board adopted Order No. 86-55, **Waste Discharge Requirements for the Lilac Enterprise Corporation, Hideaway Lake Mobile Home Estates, San Diego Region.** Order No. 86-55 established a time schedule for Lilac Enterprise Corporation (hereinafter discharger) to determine if the effluent storage pond had adequate wet weather storage capacity and to study the potential impacts of the discharge on ground water quality.

4. As part of the 1992/93 Fiscal Year Waste Discharge Order Update Program, Order No. 86-55 was reviewed by Regional Board staff in accordance with criteria established in the Administrative Procedures Manual adopted by the State Water Resources Control Board. As a result of this review, modifications have been incorporated into this Order. This Order, which supercedes Order No. 86-55, makes changes to the Findings, Discharge Specifications, Provisions, Reporting Requirements and Monitoring and Reporting Program of Order No. 86-55.

5. The treatment facility consists of a package plant which includes a comminutor, an extended aeration unit and a chlorinator. In addition, the discharger has installed a batch type aerobic sewage treatment system which is run

parallel to the existing plant to alleviate hydraulic overload problems which have occurred in the past. Treated effluent is discharged via spray irrigation of a 19,000 square foot area owned by the discharger or stored and percolated in a storage pond during periods when irrigation cannot be practiced due to wet weather conditions and during periods of irrigation system maintenance.

6. Both the treatment plants and disposal facilities are fenced to prevent access by the public.

7. The treatment plant and disposal facilities are located in Section 11, T11S, R2W, SBB&M in the Valley Center Hydrographic Subarea of the Bonsall Hydrographic Subunit of the San Luis Rey Hydrographic Unit.

8. Partial results of analyses of samples taken of the effluent of the Hideaway Lake Mobile Home Estates wastewater treatment plant from 1987-1992 are as follows:

Constituent	Unit	Concentration of Effluent	Mean Value
Total Dissolved Solids	mg/L	733 - 960	820
Chloride	mg/L	73.3 - 150	115
Sodium	%	39.9 - 51	46.5
Phosphorus	mg/L	0.1 - 8.5	4.38
Nitrate	mg/L	.97 - 87.3	56.2
Boron	mg/L	.27 - .90	.59
Fluoride	mg/L	.2 - 1.06	.65

9. 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 17, 1975, and approved by the State Water Resources Control Board (State Board) on March 20, 1975, and updated by the Regional Board on February 27, 1978; March 23, 1981; January 24 and October 3, 1983; August 27, 1984, and December 16, 1985. The 1978, 1981, 1983, 1984 and 1985 updates were subsequently approved by the State Board.

10. The Basin Plan established the following objectives for surface and ground waters in the Valley Center Hydrographic Subarea:

Constituent	Concentration not to be exceeded more than 10 percent of the time Surface Water		Ground Water	
Total Dissolved Solids	500	mg/L	800	mg/L
Chloride	250	mg/L	300	mg/L
Percent Sodium	60	%	60	%
Sulfate	250	mg/L	400	mg/L
Nitrate	--		10	mg/L
Nitrogen and Phosphorus	*		--	
Iron	0.3	mg/L	0.3	mg/L
Manganese	0.05	mg/L	0.05	mg/L
Methylene Blue Active Substance	0.5	mg/L	0.05	mg/L
Boron	0.5	mg/L	0.5	mg/L
Dissolved Oxygen	**			
Odor	None		None	
Turbidity	20	NTU	5	NTU
Color	20	Units	20	Units
Fluoride	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 more than 10 percent of the time unless studies of the specific water body in question clearly show that water quality objective changes are permissible and changes are approved by the Regional Board. Analogous threshold values have not been setfor 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.

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

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

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

"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 case where the quality of said discharge complies with the receiving body's water quality objective."

"Discharging of treated or untreated sewage or industrial wastes in such a 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 watercourse is prohibited."

12. The Basin Plan establishes the following beneficial uses for the surface waters of the Valley Center Hydrologic Subarea:

a. Agricultural supply
b. Industrial service supply
c. Water contact recreation
d. Noncontact water recreation
e. Wildlife habitat
f. Warm freshwater habitat
g. Preservation of Rare and Endangered Species

13. The Basin Plan establishes the following beneficial uses for the ground waters of the Valley Center Hydrologic Subarea:

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

14. Provision C.15 of Order No. 86-55 required the discharger to complete a study of the potential impacts of the discharge on ground water quality and a study to provide adequate wet weather effluent storage capacity.

15. In response to Provision C.15, the discharger submitted a report prepared by NBS/Lowry, entitled **"Hideaway Lake Wastewater Treatment and Disposal Facility, Groundwater Quality Impact and Wet Weather Storage Capacity, January, 1988."** The report contains the following conclusions:

    a. The spray irrigation area is approximately 19,000 square feet and is adequate for disposal of a wastewater flow averaging 15,000 gallons per day.

    b. The emergency storage pond has an estimated 157,000 cubic feet of storage capacity and sufficient percolation capacity to provide more than 105 days of storage.

    c. The effluent quality at the time the report was prepared was in compliance with the Basin Plan objectives for groundwater for all constitents sampled except fluoride.

    d. Samples of well waters obtained north and south of the disposal area indicated concentrations of total dissolved solids of 773 mg/L and 2512 mg/L respectively concluding that the discharge from Hideaway Lake has no impact on groundwaters.

16. Several assumptions were made by NBS/Lowry to reach the conclusions noted in the above Finding No. 15. Of critical signifigance, the NBS/Lowry report assumed the effluent total dissolved solids quality to be 760 mg/L. As indicated in Finding No. 8 of this Order, the mean effluent quality exceeds the Basin Plan objective for total dissolved solids. Consequently, the NBS/Lowry report does not substantiate that the discharge complies with the Basin Plan ground water objectives. This Order requires the discharger to substantiate that the ground water basin has adequate capacity to assimilate the impacts of the discharge and to confirm the validity of the conclusions of the NBS/Lowry report. This Order requires the discharger to implement a monitoring program of the disposal system. This program, as described in Monitoring and Reporting Program No. 93-27, includes measuring the inflow to the storage pond, the outflow from the pond to the spray field and the evaporation in the storage pond, as well as the addition of ground water and supply water monitoring.

17. This Order further requires the discharger to implement a program to eliminate water softener use within the mobile home park as specified in Provision No. C.13.

18. The Hideaway Lake treatment facility generates sewage sludge and is therefore subject to Part 503, Subchapter O, Chapter I of Title 40 of the Code of Federal Regulations.

19. At the time of adoption of this Order, the State of California sludge regulatory program had not been approved by the Environmental Protection Agency (EPA). Consequently, the permitting authority for Part 503 permits is the EPA Regional Office. The deadline for Lilac Enterprise Corporation to submit a permit application to EPA is February 19, 1994.

20. 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.

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

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

23. 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 discharger, 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, including windblown spray and runoff of effluent applied for irrigation, to lands which have not been specifically described in the report of waste discharge 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. Storage, use and/or disposal of wastes in a manner that would result in ponding or surfacing of wastes on lands beyond the disposal area, as described in the findings of this Order, is prohibited.

4. The discharge of wastewater shall not:

   a. Cause the occurrence of coliform or pathogenic organisms in waters pumped from the basin;

   b. Cause the occurrence of objectionable tastes and odors in water 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 Valley Center Hydrographic 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 any inland watercourse;

   h. Cause a surface flow recognizable as sewage in any inland water course; or

   i. Cause a pollution, contamination or nuisance or adversely affect beneficial uses of the ground or surface waters of the Valley Center Hydrographic Subarea as established in the Basin Plan.

5. The discharge of waste flow volume in excess of .0195 million gallons per day (MGD) 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 treatment plant site or disposal area are prohibited.

7. The discharge of waste in a manner other than as described in the findings of this Order is prohibited unless the discharger obtains revised waste discharge requirements that provide for the proposed change.

B. DISCHARGE SPECIFICATIONS

1. The discharge of an effluent containing pollutants in excess of the following effluent limitations is prohibited:

Constituent	Unit	Monthly Average	Daily Maximum
Biochemical Oxygen Demand	mg/L	30	45
Total Suspended Solids	mg/L	30	45
Total Dissolved Solids	mg/L	900	400*
Chloride	mg/L		150
Sodium	%		60
Sulfate	mg/L		330
Nitrate	mg/L		40
Phosphorus	mg/L		0.05
Iron	mg/L		0 .3
Manganese	mg/L		0.05
Methylene Blue Actives Substances	mg/L		0.5
Boron	mg/L		0.5
Fluoride	mg/L		1.0

* These are increments of total dissolved solids over supply water.

2. All waste treatment, containment and disposal facilities (including storage ponds and percolation ponds) with the exception of irrigation areas, shall be protected against 100-year peak stream flows as defined by the San Diego County flood control agency.

3. All waste treatment, containment and disposal facilities (including storage ponds and percolation

ponds), with the exception of irrigation areas, shall be protected against erosion, overland runoff, and other impacts resulting from a 100-year frequency 24-hour storm.

4. Effluent storage facilities shall be designed, constructed, operated, and maintained so as to prevent surfacing of wastes on property not owned or controlled by the discharger. Surface runoff of any wastes which surface on property owned or controlled by the discharger onto property not owned or controlled by the discharger shall be prevented.

5. The disposal of sewage sludge shall be at a municipal solid waste landfill permitted to accept sewage sludge or at a site that has been approved by the Regional Board Executive Officer.

C. PROVISIONS

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

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

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 or 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, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.

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 conditions of this Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order.

6. This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

   a. Violation of any terms or conditions of this Order;

   b. Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts; or

   c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

   The filing of a request by the discharger for the modification, revocation and reissuance, or termination of this Order, nor 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 privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the discharger from liability under federal, state or local laws, nor create a vested right for the discharger to continue the 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 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 Hideaway Lake Mobile Estates and shall be available to operating personnel at all times.

11. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.

12. All waste water treatment and disposal facilities shall be operable prior to the initiation of operation. A report from a registered engineer certifying the operable condition of treatment and disposal facilities shall be submitted by the discharger 30 days prior to commencement of the operation. The registered engineer shall affix his signature and engineering license number to the report.

13. The discharger shall implement a program to eliminate the use of water softners within the mobile home park by December 31, 1993.

D. REPORTING REQUIREMENTS

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

a. Addition of a major industrial waste discharge to a discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the wastes.

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

c. Change in the disposal area from that described in the findings of this Order.

d. Increase in flow beyond that specified in this Order.

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

f. Any planned change in the regulated facility or activity which may result in noncompliance with this Order.

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 to a new discharger. The notice must include a written agreement between the existing and new discharger containing a specific date for the transfer of this Orders responsibility and coverage between the current discharger and the new discharger. This agreement shall include an acknowledgement 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. 93-27, and further revisions thereto as specified by the Executive

Officer. Monitoring results shall be reported at the intervals specified in Monitoring and Reporting Program No. 93-27.

5. By January 30, 1994, the discharger shall submit a technical report discussing the treatment, storage and disposal of sewage sludge generated by the Hideaway Lake facility. If sludge is disposed at a site other than a municipal solid waste landfill, the discharger shall submit a certification statement from a licensed civil engineer that the disposal operation is in full compliance with 40 CFR 503.

6. Where the discharger becomes aware that it 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, it shall promptly submit such facts or information.

7. The discharger shall report any noncompliance which may endanger health or the environment. Any such 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 or planned 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. The following occurrence(s) must be reported to the Executive Officer within 24 hours:

   a. Any bypass from any portion of the treatment facility.

   b. Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstances.

   c. Any treatment plant upset which causes the effluent limitations of this Order to be exceeded.

8. All applications, reports, or information submitted to the Executive Officer 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.

   c. Any person signing a document under this Section shall make the following certification:

      "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."

9. 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
9771 Clairemont Mesa Blvd., Suite B
San Diego, CA 92124

E. NOTIFICATIONS

1. California Water Code Section 13263(g) states:

"No discharge of waste into waters of the state, whether or not such discharge is made pursuant to waste discharge requirements shall create a vested right to continue such discharge. All discharges of waste into waters of the state are privileges, not rights.

2. 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.

3. 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 monetary remedy of up to 20 dollars per gallon of waste discharged or, if a cleanup and abatement order is issued, up to 15,000 dollars per day of violation or some combination thereof.

4. 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.

5. This Order becomes effective on the date of adoption by the Regional Board.

6. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 86-55. Order No. 86-55 is hereby rescinded when this Order becomes effective.

I, Arthur L. Coe, 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 June 21, 1993.

ARTHUR L. COE
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

MONITORING AND REPORTING PROGRAM NO. 93-27
FOR
LILAC ENTERPRISE CORPORATION
HIDEAWAY LAKE MOBILE HOME ESTATES
SAN DIEGO COUNTY

A. MONITORING PROVISIONS

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this Order and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Executive Officer.

2. Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than ±5 percent from true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:

   a. "A Guide to Methods and Standards for the Measurement of Water Flow," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 421, May 1975, 97 pp. (Available from the U.S. Government Printing Office, Washington, D.C. 20402. Order by SD Catalog No. C13.10:421.)

   b. "Water Measurement Manual," U.S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp. (Available from the U.S. Government Printing Office, Washington D. C. 20402. Order by Catalog No. 127,19/2:W29/2, Stock No. S/N 24003-0027.)

c. "Flow Measurement in Open Channels and Closed Conduits," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 484, October 1977, 982 pp. (Available in paper copy or microfiche from National Technical Information Services (NTIS) Springfield, VA 22151. Order by NTIS No. PB-273-5ST.)

d. "NPDES Compliance Sampling Manual," U.S. Environmental Protection Agency, Office of Water Enforcement. Publication MCD-51, 1977, 140 pp. (Available from the General Services Administration (8FFS), Centralized Mailing Lists Services, Building 41, Denver Federal Center, Denver, CO 80225.)

3. Monitoring must be conducted according to United States Environmental Protection Agency test procedures approved under Title 40, Code of Federal Regulations (CFR), Part 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants Under the Clean Water Act" as amended, unless other test procedures have been specified in this Order.

4. 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.

5. Monitoring results must be reported on discharge monitoring report forms approved by the Executive Officer.

6. If the discharger monitors any pollutants 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. The increased frequency of monitoring shall also be reported.

7. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Order, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of five years

from the date of the sample, measurements, report or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.

8. 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 method used; and
   f. The results of such analyses.

9. All monitoring instruments and devices which are used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.

10. The discharger shall report all instances of noncompliance not reported under Reporting Requirement D.6 of this Order at the time monitoring reports are submitted. The reports shall contain the information listed in Reporting Requirement D.7.

11. The monitoring reports shall be signed by an authorized person as required by Reporting Requirement D.8.

12. A composite sample is defined as a combination of at least eight sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24 hour period. For volatile pollutants, aliquots must be combined in the laboratory immediately before analysis. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically.

13. 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.

14. Sampling and analysis shall, at a minimum, be conducted in accordance with Article 6 of California Code of Regulations, Title 22, Division 4, Chapter 3 (**Reclamation Criteria**).

B. EFFLUENT MONITORING

1. The following shall constitute the effluent monitoring program for the disposal of wastewater by Hideaway Lake Mobile Home Park:

Determination	Unit	Sample Type	Sampling Frequency	Reporting Frequency
Flowrate	gpd	Continuous	Daily	Semiannual
Biochemical Oxygen Demand (5-Day @ 20° C)	mg/L	Grab	Quarterly*	Semiannual
Total Suspended Solids	mg/L	Grab	Quarterly*	Semiannual
pH	mg/L	Grab	Quarterly*	Semiannual
Total Dissolved Solids	mg/L	Grab	Semiannual	Semiannual
Chloride	mg/L	Grab	Semiannual	Semiannual
Percent Sodium	mg/L	Grab	Semiannual	Semiannual
Sulfate	mg/L	Grab	Semiannual	Semiannual
Iron	mg/L	Grab	Semiannual	Semiannual
Manganese	mg/L	Grab	Semiannual	Semiannual
Boron	mg/L	Grab	Semiannual	Semiannual
Fluoride	mg/L	Grab	Semiannual	Semiannual

Note: GPD = gallons per day
mg/L = milligrams per liter

* The discharger shall increase the sampling frequency from quarterly to monthly whenever the monitoring data indicates a violation of the daily maximum limit for either biochemical oxygen demand, total suspended solids or pH limit as specified by Discharge Specification B.1 of this Order. The monthly monitoring shall continue until the discharger achieves compliance with these limitations for two consecutive months. After compliance is achieved, the discharger shall resume sampling at the quarterly frequency.

C. GROUND WATER MONITORING

The discharger shall report the number and location of the monitoring wells down gradient of the disposal area and storage pond within 30 days of adoption of this Order. Upon approval by the Executive Officer, a representative sample

of water from each well shall be collected and analyzed for the following constituents:

Determination	Unit	Sample Type	Sampling Frequency	Reporting Frequency
Total Dissolved Solids	mg/L	Grab	Annual	Annual
Chloride	mg/L	Grab	Annual	Annual
Nitrate (as NO_3)	mg/L	Grab	Annual	Annual

D. POTABLE WATER SUPPLY

Determination	Unit	Sample Type	Sampling Frequency	Reporting Frequency
Total Dissolved Solids	mg/L	Grab	Annual	Annual
Chloride	mg/L	Grab	Annual	Annual
Sulfate	mg/L	Grab	Annual	Annual
Sodium	mg/L	Grab	Annual	Annual
Boron	mg/L	Grab	Annual	Annual
Fluoride	mg/L	Grab	Annual	Annual

E. STORAGE POND MONITORING

A log recording the total inflow to the storage pond, the outflow from the storage pond to the spray field and the total amount of evaporation from the storage pond shall be submitted semiannually.

F. SEWAGE SOLIDS

A daily log of the quantity of sludge hauled from the treatment plant site and the final point of sludge disposal shall be reported annually.

G. REPORTING

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

Reporting Frequency	Report Period	Report Due
Semiannual	January-June	July 30
	July-December	January 30
Annual	January-December	January 30

Monitoring reports shall be submitted to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd., Suite B
San Diego, CA 92124

Ordered by: _____
ARTHUR L. COE
Executive Officer
June 21, 1993