STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. CI-6803
FOR
SIERRA HEIGHTS CO., LLC AND SIERRA CONCORD CO., LLC
(Sierra Height Mobile Home Estates)
(File No. 87-37)

I. REPORTING REQUIREMENTS

A. The Discharger shall implement this monitoring program on the effective date of this Order (WDR Order No. R4-2003-0058). The first monitoring report under this Program is due by July 15, 2003. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit. Monitoring reports shall be received by the Regional Board by the dates in the following schedule:

Reporting Period	Report Due
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

B. By January 30th of each year, beginning January 30, 2004, the Discharger 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 Discharger 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 waste discharge requirements.

C. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP). A copy of the laboratory certification shall be provided each time a new and/or renewal is obtained from ELAP.

D. The method limits (MLs) employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer. The Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory Quality Assurance/Quality Control (QA/QC) procedures upon request by the Regional

Board.

E. Water/wastewater samples must be analyzed within allowable holding time limits as specified in 40 CFR section136.3. All QA/QC samples must be run on the same dates when samples were actually analyzed. The Discharger shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Board staff.

F. Each monitoring report must affirm in writing that "All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current U.S. Environmental Protection Agency (USEPA) guideline procedures or as specified in this Monitoring Program." Proper chain of custody procedures must be followed and a copy of the completed chain of custody form shall be submitted with the report.

G. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.

H. The Discharger shall maintain all records of sampling and analytical results: date; exact place and time of sampling; dates analyses were performed; analyst's name; analytical technique used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.

I. In reporting the monitoring data, the Discharger 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 the requirements and, where applicable, shall include results of receiving water observations.

J. Any mitigation/remedial activity including any pre-discharge treatment conducted at SHMHE must be reported in the quarterly monitoring report.

II. WATER QUALITY MONITORING REQUIREMENTS

A. Quarterly reports are required which shall contain the following information:

1. Average, minimum, and maximum daily waste flow for each month of the quarter, in gallons per day;

2. Estimated population served during each month of the reporting period;

3. A statement that the Discharger was in compliance with all discharge specifications during the reporting period, or was not in compliance and an explanation of each non-compliance; and

4. Results of at least monthly observations in the disposal area for any overflow or surfacing of wastes.

B. Effluent Monitoring

An effluent sampling station(s) shall be established at a location(s) where representative samples of treated wastewater can be obtained prior to discharge to the seepage pits and leachfields. Effluent samples may be obtained at a single station, provided that station is representative of the quality at all discharge points. This sampling station shall remain the same as has been previously used, and any proposed change of sampling location shall be identified and approved by the Executive Officer prior to its use. The following shall constitute the effluent monitoring program:

Constituents	**Units***	**Type of Sample**	**Minimum Frequency of Analysis**
Total waste flow[1]	gal/day	recorder	continuous
pH	pH Units	grab	monthly
BOD_5 (20^oC)	mg/L	grab	monthly
Temperature	°F	grab	quarterly
Suspended solids	mg/L	grab	quarterly[2]
Total dissolved solids	mg/L	grab	quarterly[2]
Sulfate	mg/L	grab	quarterly[2]
Chloride	mg/L	grab	quarterly[2]
Boron	mg/L	grab	quarterly[2]
Nitrate nitrogen[3]	mg/L	grab	quarterly[2]
Nitrite nitrogen[3]	mg/L	grab	quarterly[2]
Ammonia nitrogen[3]	mg/L	grab	quarterly[2]
Organic nitrogen[3]	mg/L	grab	quarterly[2]

[1] The Discharger shall report the daily minimum, maximum and average values

[2] If the result of the quarterly analysis exceeds the limitations contained in Order No. R4-2003-0058, the frequency of analysis shall be increased to monthly within one week of knowledge of the test results, for at least three consecutive months, and until compliance with the limitations is demonstrated; after which the frequency shall revert to quarterly.

[3] Samples of the nitrogen series (nitrate, nitrite, ammonia-N, and organic nitrogen) shall be collected at the same time the pH and temperature are recorded.

Oil and grease	mg/L	grab	quarterly
Methyl Blue Activated Substances (MBAS)	mg/L	grab	annually
Priority pollutants[4]	µg/L	grab	annually

* mg/L: milligram per liter; µg/L: microgram per liter; °F: degree Fahrenheit

C. Lined Pond Monitoring

An integrity test-monitoring program shall be established to detect and evaluate any failure of the lined pond. The integrity test-monitoring network plan must be submitted to the Regional Board by May 31, 2003 and is subject to the Executive Officer's approval prior to implementation.

The integrity test-monitoring network plan must be designed in such a way so as to fully assess the integrity of the liner and to detect at the earliest possible time any leak/ percolation from the lined pond. The plan shall include the exact location of the proposed vadose zone well or lysimeter, depths, construction, schedule for the installation and sampling/analysis plan if liquid is detected. Upon obtaining the Executive Officer's approval of an adequate lined pond monitoring plan, construction and development of the proposed well/lysimeter shall be completed within 90 days and quarterly monitoring reports must be submitted to the Regional Board.

D. Groundwater Monitoring

A groundwater-monitoring program shall be designed to detect and evaluate impacts of wastewater discharged through the seepage pits and leachfields to groundwater. A groundwater monitoring network plan must be submitted to the Regional Board by May 31, 2003 and is subject to the Executive Officer's approval prior to implementation.

The groundwater monitoring wells must be installed in such a way so as to fully assess the background groundwater quality, the downgradient groundwater quality and any potential overflow or percolation from the lined pond. The plan shall include the exact location of the proposed wells, depths, construction of wells, schedule for the installation and proposed sampling of the wells.

[4] A complete list of priority pollutants (Attachment A) is attached, but the Discharger is required to test only for metals, pesticides, and volatile organic compounds (VOCs) of the priority pollutant list.

Upon obtaining the Executive Officer's approval of an adequate groundwater monitoring network plan, construction and development of the proposed wells shall be completed within 60 days in accordance with the standards in Bulletins 74-81 and 74-90 of the California Department of Water Resources. Within 30 days after installation of monitoring wells, a well installation report including a scaled plot plan, soil boring logs, water quality data, well permits and as-built well construction diagrams shall be submitted to the Regional Board. This groundwater-monitoring schedule may be subject to revision after completion of the first year of baseline water quality monitoring.

The monitoring program must be prepared under the direction of a California Registered Geologist, or Certified Engineering Geologist, or a California Registered Civil Engineer with appropriate experience in hydrogeology.

The following shall constitute the groundwater-monitoring program:

Constituent	**Units**[5]	**Type of Sample**	**Minimum Frequency of Analysis**[6]
Total coliform	MPN/100mL	grab	quarterly
Fecal coliform	MPN/100mL	grab	quarterly
Enterococcus	MPN/100mL	grab	quarterly
Ammonia-N	mg/L	grab	quarterly
Nitrate-N	mg/L	grab	quarterly
Nitrite-N	mg/L	grab	quarterly
Organic nitrogen	mg/L	grab	quarterly
Total dissolved solids	mg/L	grab	annually
Boron	mg/L	grab	annually
Chloride	mg/L	grab	annually
Sulfate	mg/L	grab	annually

The groundwater monitoring reports shall include the following information:

1. Groundwater monitoring well identification number, date and time of sampling, and name of the individual collecting the sample;

2. Depth to groundwater measured to the nearest 0.01 foot, and groundwater elevation to the nearest 0.01 foot mean sea level;

[5] MPN/100mL: Most Probable Number per 100 milliliter; mg/L: milligram per liter; µg/L: microgram per liter

[6] If any constituent exceeds the baseline water quality data, then the frequency of analyses shall increase to monthly until at least three test results have been obtained. After which, if no more constituents exceed the baseline, the frequency of analyses shall revert to quarterly.

3. Groundwater contour map depicting the hydraulic gradient and direction of groundwater flow across the property;

4. Laboratory identification, date(s) of analysis, and analytical method used; and

5. An evaluation of all groundwater monitoring data, together with recommendations of additional work, as needed.

E. WATER SUPPLY MONITORING

A water supply monitoring sampling station shall be established at a location(s) where representative samples of water supply can be obtained by the same date of sampling the effluent wastewater from the wastewater treatment plant. Water supply samples may be obtained at a single station, provided that station is representative of the water supply quality at the site. The following shall constitute the effluent monitoring program:

Constituents	**Units**	**Type of Sample**	**Minimum Frequency of Analysis**
Total dissolved solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly

The required water quality data can be substituted by the water quality supply data obtained during the same monitoring period by the local water supplier. If the water quality data is not possible to obtain, the Discharger shall collect samples and analyze them according to the above requirements.

IV. WASTE HAULING REPORT

In the event that wastes or sludge 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 reporting period, and the location of the final point of disposal. For purposes of this requirement, a legal disposal site is one for which requirements have been established by a California regional water quality control board and which is in full compliance therewith. If no wastes are hauled during the reporting period, a statement to that effect shall be submitted in the quarterly monitoring report.

V. OPERATION AND MAINTENANCE REPORT

The Discharger shall annually submit an operation and maintenance report on the wastewater collection system and wastewater treatment system including disposal area. The information to be contained in the report shall include, at a minimum, the following:

a. The name and address of the person or company responsible for the operation and maintenance of the facility;

b. Type of maintenance (preventive or corrective action performed);

c. Frequency of maintenance, if preventive;

d. Periodic pumping out of the secondary waste sludge, wastewater, water in the holding pond and septic wastes; and

e. Maintenance record of seepage pits, leachfields, holding pond, and disposal system.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted to a less frequent basis or parameters adjusted by the Executive Officer if the Discharger makes a request and the request is supported by statistical trends of monitoring data submitted.

Monitoring reports shall be signed and certified as follows:

a. In the case of a 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; or

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 the Regional Board.

VIII. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the ____ day of _____ at

_____(Signature)

_____(Title)"

These records and reports will become 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.

Ordered by : _____ Date: April 3, 2003
Dennis A. Dickerson
Executive Officer