CALIFORNLA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO.90-128

WASTE DISCHARGE REQUIREMENTS FOR:

WORLD COLLEGE WEST
MARIN COUNTY CAMPUS
MARIN COUNTY

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

1. World College West (hereinafter discharger) submitted a Report of Waste Discharge dated April 29, 1980 and subsequent information transmitted by letters of May 29 and December 23, 1980 for the discharge of municipal waste from Phase I of their campus in Marin County. Waste Discharge Requirements, Order #81-7 were issued on January 21, 1981.

2. World College West is a private college located on a 160acre site about one mile west of Highway 101 between Novato and Petaluma, in Marin County. The college opened at this site in 1984.

3. The college uses six septic tanks, one grease trap and a sand-gravel mound soil absorption system to dispose of its sanitary wastewater. Sanitary sewage is collected in six septic tanks and then pumped uphill to a sand-gravel mound soil absorption system. The system is designed for 5000 gallons per day (gpd). The discharger currently discharges an average flow to the mounds between 2500-3000 gpd from 50 full time residents, 50 day-users and 25 staff.

4. The system incorporates 4 pump stations. Pump stations 1, 2 and 4 are each equipped with a control panel, visual alarm, submersible pump with a float level indicator, 1200 gallon wet well and 4000 gallon emergency holding tank. Pump station #3, which distributes wastewater to the sand-gravel mound has a 1200 gallon wet well, two flow meters and a control panel with visual and audio alarm. Pump station #3 does not have an emergency holding tank. Flow is measured by velocity meters with totalizers at the pump stations. Measured flow is compared to metered water consumption.

5. The sand-gravel mound is about one acre in size and is covered with vegetation, mostly grasses. The mound is divided into two beds, with a separate distribution system for each bed.

6. Thirteen monitoring wells have been installed. Five of the wells are used to monitor the performance of the mound at the sand-gravel interface, six to monitor the performance at the mound-soil interface, and two wells are used to measure the depth to groundwater.

7. The College is planning to expand their facilities and potentially double the size of the student body. This expansion will require additional wastewater disposal facilities.

8. The Board adopted a Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin in December, 1986.

9. The beneficial uses of San Antonio Creek as set forth in the Basin Plan include:

   a. Warm and cold fresh water habitat
   b. Wildlife habitat

10. The discharger completed an environmental impact report in March 1973 for which a negative declaration was issued by the County of Marin. Furthermore, the County of Marin found and determined on the basis of a Design Review that the project, as described, will have no substantial adverse effect on the environment, and therefore adopted a Negative Declaration regarding this project, dated September 22, 1980, in accordance with the California Environmental Quality Act (Public Resources Code Section 2100 et. seq.).

11. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing.

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

IT IS HEREBY ORDERED, pursuant to the provisions of Division 7 of the California Water Code and regulations adopted thereunder, that the discharger shall comply with the following:

A. <u>Discharge Specifications</u>

   1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.

   2. All waste shall be kept below the ground surface at all times.

   3. The disposal of waste shall not cause degradation of ground water suitable for domestic use or cause an increase in any quality parameter that would make ground water unsuitable for irrigation use.

B. Prohibitions

1. Waste shall not be allowed to escape from the discharger's property into waters of the State via either surface flow or surfacing after percolation.

2. The volume of waste discharged to the sand-gravel-mound soil absorption system shall not exceed 5000 gpd.

3. The disposal of commercial or industrial waste ie. laboratory chemicals or film developing chemicals into the system is prohibited.

C. Provisions

1. Requirements prescribed by this order supersede the requirements prescribed by Order No. 81-7. Order 81-7 is hereby rescinded.

2. The following improvements shall be made to the system by the dates specified:

   a. The sump lid at pump station #3 shall be replaced by a water-tight lid by April 1, 1991.

   b. An emergency back-up system shall be provided for pump station #3 by September 1, 1991. This system must have written approval from the Executive Officer.

3. The discharger shall comply with the following items contained in the attached Regional Board's "Standard Provisions, Reporting Requirements, and Definitions," dated December 1986: A.2, A.3, A.4, A.7, A.8, A.11, A.12, A.14, A.15, and B.1, C.1, C.3, C.4, C.7, C.10., D1-5.

5. This Board will review this Order periodically and may revise the requirements when necessary.

I, Steven R. Ritchie, 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 Francisco Bay Region, on September 19, 1990.

Steven R. Ritchie
Executive Officer

Attachment:
Standard Provisions, Reporting Requirements
and Definitions, December 1986.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

WORLD COLLEGE WEST

MARIN COUNTY

CONSISTS OF

PART A, dated December 1986

AND

PART B

PART B

I. SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSIS

1. The schedule of sampling, measurements and analysis shall be as follows:

   a. Mound influent flow measurements (in gpd) shall be recorded twice per week.

   b. At a minimum, weekly observations of the mound and area surrounding the base of the mound shall be made and recorded. Depth to water in the monitoring wells shall be recorded and reported in the monthly monitoring report. If surfacing water, which may be wastewater, is observed,the discharger shall sample for total and fecal coliform and report the observation and its location immediately to the Regional Board. The discharger shall repeat sampling weekly until the source of water is determined or wastewater surfacing is corrected.

   c. Fecal coliform analyses shall be conducted quarterly on samples from the two ground water monitoring wells. These wells should be purged prior to sampling.

   d. Measurements of the sludge depth and scum thickness in the septic tanks and grease traps shall be made every two months. This information shall be included in the monthly report to the Board.

   e. The flow meters shall be calibrated at a minimum every three years.

II. REPORTING REQUIREMENTS

A. Self-Monitoring Reports for each calendar quarter shall be submitted monthly, to be received no later than the 15th day of the following month.

B. Any overflow, bypass or other significant non-compliance incident that may endanger health or the environment shall be reported according to sections G.1 and G.2 of Part A.

I, Steven R. Ritchie, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in the Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board No. 90-128.

2. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

Steven R. Ritchie
Executive Officer

Attachments: Standard Provisions, Part A