

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

ADDENDUM NO. 1 TO ORDER NO. 93-05

**WASTE DISCHARGE REQUIREMENTS
FOR THE
FAIRBANKS RANCH COMMUNITY SERVICES DISTRICT
FAIRBANKS RANCH WATER POLLUTION CONTROL FACILITY
SAN DIEGO COUNTY**

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

1. On February 1, 1993, this Regional Board adopted Order No. 93-05, Waste Discharge Requirements for the Fairbanks Ranch Community Services District, Fairbanks Ranch Water Pollution Control Facility, San Diego County. Order No. 93-05 establishes requirements for the discharge of up to 0.2 million gallons per day (MGD) of treated domestic wastewater from the Fairbanks Ranch Water Pollution Control Facility to percolation beds.
2. By letter dated July 13, 1994, Mr. John Pastore, General Manager of the Fairbanks Ranch Community Services District (hereinafter discharger), notified the Regional Board that the average daily flow into the plant has exceeded their permitted limit of 0.2 MGD for the first two weeks of July.
3. On September 27, 1994, Time Schedule Order (TSO) No. 94-140 was issued to Fairbanks Ranch Community Services District by the Executive Officer. TSO No. 94-140 requires the discharger either to take steps to reduce the flow below the limit established by Order No. 93-05 or to submit a Report of Waste Discharge to increase the flow limit specified by Order No. 93-05 and to achieve compliance with the requirements of Order No. 93-05 by August 1995.
4. On March 29, 1995, the discharger submitted a Report of Waste Discharge (RWD), and a Certification Report in accordance with TSO No. 94-140. The RWD requested an increase in the flow limit from 0.2 MGD to 0.275 MGD and an extension in the deadline for compliance with Order No. 93-05 to November 1995.
5. The Fairbanks Ranch Community Services District has approved a Negative Declaration on June 1, 1993, in accordance with the California Environmental Quality Act (Public Resources Code Section 21000, et seq.). The project as approved by the Fairbanks Ranch Community Services District will not have a significant effect on water quality.

6. The Regional Board, in modifying Order No. 93-05, considered factors including, but not limited to, the following:
 - (a) Beneficial uses to be protected and the water quality objectives reasonably required for that purpose;
 - (b) Other waste discharges;
 - (c) The need to prevent nuisance;
 - (d) Past, present, and probable future beneficial uses of the hydrologic subunits under consideration;
 - (e) Environmental characteristics of the hydrologic subunits under consideration;
 - (f) Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area;
 - (g) Economic considerations;
 - (h) The need for additional housing within the region; and
 - (i) The need to develop and use recycled water.
7. The Regional Board has considered all water resource related environmental factors associated with the proposed modification of waste discharge requirements.
8. The Regional Board has notified the Fairbanks Ranch Community Services District and all known interested parties of the intent to modify the waste discharge requirements.
9. The Regional Board in a public meeting heard and considered all comments pertaining to the proposed modification of waste discharge requirements.

IT IS HEREBY ORDERED, That Order No. 93-05 be amended as follows:

1. The following shall replace Prohibition A.5:
 5. A 30-day average wastewater flow rate at Fairbanks Ranch Water Pollution Control Facility in excess of 0.275 MGD is prohibited unless the discharger obtains revised waste discharge requirements for the proposed increased flow.

2. The following shall be inserted as Provision C.14:

14. All waste water treatment and disposal facilities shall be completely constructed and operable prior to an increase in the 30-day average wastewater flow rate in excess of 0.20 MGD, and the complete facilities shall have adequate capacity for the full design flow of 0.275 MGD. The increase in the discharge flow shall not be initiated until:

- a. The Regional Board Executive Officer has been notified of the completion of facilities by the discharger; and
- b. An inspection of the facilities has been made by staff of the Regional Board.

The discharger shall achieve compliance with this requirement in accordance with the following time schedule:

TASK	COMPLETION DATE
Complete Construction of New Facilities	October 31, 1995
Full Compliance with Order No. 93-05	November 30, 1995

3. The following shall be inserted as Notification E.7:

7. Addendum No. 1 to Order No. 93-05 rescinds Time Schedule Order No. 94-140.

I, Arthur L. Coe, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Addendum adopted by the California Regional Water Quality Control Board, San Diego Region, on June 8, 1995.



Arthur L. Coe
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ORDER NO. 93-05

WASTE DISCHARGE REQUIREMENTS
FOR THE
FAIRBANKS RANCH COMMUNITY SERVICES DISTRICT
FAIRBANKS RANCH WATER POLLUTION CONTROL FACILITY
SAN DIEGO COUNTY

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

1. On November 26, 1979, this Regional Board adopted Order No. 79-77, Waste Discharge Requirements for the County of San Diego, Fairbanks Ranch Sanitation District. Order No. 79-77 established requirements for the discharge by the Fairbanks Ranch Sanitation District of up to 0.20 million gallons per day (MGD) of treated domestic wastewater from the Fairbanks Ranch sewage treatment plant to land disposal facilities.
2. On May 4, 1987, this Regional Board adopted Order No. 87-41, Waste Discharge Requirements for the County of San Diego, Fairbanks Ranch Sanitation District, San Diego County. Order No. 87-41 established requirements for the discharge of up to 200,000 gallons per day (GPD) of treated wastewater from Fairbanks Ranch Water Pollution Control Facility (WPCF) to percolation beds.
3. On September 23, 1991, this Regional Board adopted Addendum No. 1 to Order No. 87-41, An Addendum Transferring Responsibility for Order No. 87-41 from the County of San Diego to Fairbanks Ranch Community Services District, San Diego County.
4. As a part of the FY 1992/93 Waste Discharge Order Update Program, Order No. 87-41 and its Addendum No. 1 have been 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, it has been determined that some changes are necessary in the requirements established by Order No. 87-41. This Order, which supersedes Order No. 87-41, makes changes to the findings, requirements, and monitoring and reporting program of Order No. 87-41.
5. The Fairbanks Ranch WPCF uses the extended aeration biological process, a modified secondary treatment process, and is located in the Eastern 1/2 of Section 33, R3W, T13S, SBB&M, on Lot 3, Unit 1 of the Fairbanks Ranch Company development and in the Solana Beach Hydrologic Area.

6. Treated effluent is disposed of by percolation ponds at two disposal sites. The primary disposal area consists of four percolation ponds on Lot 147 adjacent to the San Dieguito River. These four ponds percolate approximately 2.6 times the proposed effluent flow rate. Use of the four ponds is to be on a rotation basis to allow for pond cleaning and maintenance.
7. Four additional interim/emergency percolation ponds were constructed on Lot 3 adjacent to the sewage treatment plant. Two groundwater observation wells were constructed downstream of the Lot 3 disposal area. Should the groundwater rise to within five feet of the ground surface, wastewater disposal at the Lot 3 site will be discontinued and wastewater will be pumped to the Lot 147 site for disposal.
8. Sludge from the treatment plant is either hauled to City of San Diego sewage system or dried in onsite sludge beds and hauled to a sanitary landfill for disposal.
9. The supply water for the Fairbanks Ranch Community Service District is provided by the Santa Fe Irrigation District and the Olivenhain Municipal Water District.
10. A summary of results of analyses of samples taken quarterly of the effluent discharged from Fairbanks Ranch Water Pollution Control Facility during June 1988 through September 1990 reported by the Fairbanks Ranch Community Services District is as follows:

Constituent	Unit	Range of concentration in Percolation Pond 1988-1990
Total Dissolved Solids	mg/l	794 - 976
Chloride	mg/l	158 - 245
Sulfate	mg/l	195 - 288

11. The "Comprehensive Water Quality Control Plan Report, San Diego Basin (9)" (Basin Plan) was adopted by this Regional Board on March 17, 1975; and subsequently approved by the State Water Resources Control Board (State Board). Subsequent revisions to the Basin Plan have also been adopted by the Regional Board and approved by the State Board.
12. The Basin Plan established the following beneficial uses for the surface water of the Solana Beach Hydrologic Area:
 - (a) Agricultural supply (Potential beneficial use)
 - (b) Industrial service supply (Potential beneficial use)
 - (c) Water contact recreation

- (d) Noncontact water recreation
 - (e) Warm freshwater habitat
 - (f) Wildlife habitat
 - (g) Preservation of rare and endangered species
13. The Basin Plan established the following beneficial uses for the ground water of the Solana Beach Hydrologic Area:
- (a) Municipal and domestic supply
 - (b) Agricultural supply
 - (c) Industrial service supply
 - (d) Groundwater recharge (Potential beneficial use)
14. The Basin Plan established the following water quality objectives for the Solana Beach Hydrologic Area:

Constituent	Concentration not to be exceeded more than 10 percent of the time during any one year period	
	Surface Water	Ground Water
Total Dissolved Solids	500 mg/l	1,500 mg/l
Chloride	250 mg/l	500 mg/l
Percent Sodium	60 %	60 %
Sulfate	250 mg/l	500 mg/l
Nitrate	---	45 mg/l
Nitrogen and Phosphorus	*	----
Iron	0.3 mg/l	0.85 mg/l
Manganese	0.05 mg/l	0.15 mg/l
Methylene Blue Active Substances	0.5 mg/l	0.5 mg/l
Boron	0.5 mg/l	0.5 mg/l
Odor	None	None
Turbidity	20 NTU	5 NTU
Color	20 units	15 units
Fluoride	1.0 mg/l	1.0 mg/l

Note: NTU = Nephelometric Turbidity Unit
mg/l = milligrams per liter

- * 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, not 0.025 mg/l in any standing body of water.

15. Between June 1988 and September 1990, the maximum concentration of total dissolved solids of the effluent discharged from Fairbanks Ranch WPCF to the percolation beds was 976 mg/l. The infiltration rate of wastewater through the percolation bed is such that the concentration effects due to evaporation is negligible. Thus the rapid infiltration of wastewater containing a total dissolved solids concentration of 976 mg/l will not cause the Basin Plan groundwater quality objectives of 1500 mg/l for the Solana Beach Hydrologic Area to be exceeded. However, no information has been submitted to date that demonstrates that the discharge will comply with the Basin Plan ground water objective established for concentration of nitrate (as NO_3). Consequently this Order establishes a time schedule for the discharger to complete an investigation of the quality of the discharge and if necessary develop options for achieving compliance with the Basin Plan.
16. The Basin Plan contains the following prohibitions which are applicable to the discharge:
- "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 cases where the quality of said discharge complies with the receiving body's water quality objectives."
- "Discharging of treated or untreated sewage or industrial wastes in such 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."
- "Dumping or deposition of oil, garbage, trash or other solid municipal, industrial or agricultural waste directly into inland waters or watercourses or adjacent to the watercourses in any manner which may permit its being washed into the watercourse is prohibited."
- "Dumping or deposition of oil, garbage, trash or other solid municipal, industrial or agricultural waste into natural or excavated sites below historic water levels or deposition of soluble industrial wastes at any site is prohibited, unless such site has been specifically approved by the Regional Board for that purpose."
17. The Regional Board, in establishing the requirements contained herein, considered factors including, but not limited to the following:

- a. Beneficial uses to be protected and the water quality objectives reasonably required for that purpose;
 - b. Other waste discharges;
 - c. The need to prevent nuisance;
 - d. Past, present and probable future beneficial uses of the hydrologic subunits under consideration;
 - e. Environmental characteristics of the hydrographic unit under consideration, including the quality of water available thereto;
 - f. Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area;
 - g. Economic considerations;
 - h. The need for additional housing within the region; and
 - i. The need to develop and use recycled water
18. This facility is an existing facility 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 19, Section 15301.
 19. The Regional Board has considered all environmental factors associated with the discharge of waste.
 20. The Regional Board has notified the discharger and all known interested parties of its intent to update waste discharge requirements for the land disposal of wastewater by the County of San Diego, Fairbanks Ranch Community Services District.
 21. The Regional Board in a public meeting heard and considered all comments pertaining to land disposal of wastewater by the County of San Diego, Fairbanks Ranch Community Services District.

IT IS HEREBY ORDERED, that Fairbanks Ranch Community Services District, 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 Solana Beach Hydrologic Area 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 watercourse; or
 - (i) Cause a pollution, contamination or nuisance or adversely affect beneficial uses of the ground or surface waters of the Solana Beach Hydrologic Area as established in the Basin Plan.
5. A 30-day average wastewater flowrate at Fairbanks Ranch WPCF in excess of 0.2 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 ¹ Average	Daily ² Maximum
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/L	30	45
Total Suspended Solids	mg/L	30	45
pH		Within the limits of 6.0 to 9.0 at all times	
Total Dissolved Solids	mg/L	1300	1500
Chloride	mg/L	500	600
Sulfate	mg/L	500	600
Percent Sodium	%	60	65
Iron	mg/L	0.85	1.0
Manganese	mg/L	0.15	0.20
Methylene Blue Active Substances	mg/L	0.5	0.6
Boron	mg/L	0.5	0.6
Fluoride	mg/L	1.0	1.2

¹ The monthly average shall be the arithmetic mean, using the result of analysis of all samples collected during any 30-consecutive calendar day period.

² The daily maximum effluent limitation shall apply to the results of a single composite sample collected over a period of 24 hours, or a grab sample.

2. All waste treatment, containment and disposal facilities 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 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.

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, or 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. The discharger shall submit notice of any proposed transfer of this Order's responsibility and coverage to a new discharger as described under Reporting Requirement D.3.
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 and 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. The discharger's wastewater treatment facilities shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23 of the California Code of Regulations.
11. A copy of this Order shall be maintained at Fairbanks Ranch WPCF and shall be available to operating personnel at all times.
12. 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.
13. The discharger shall conduct a six month intensive monitoring program of the effluent as specified in Section C of the Monitoring Program of this Order.
 - a. If the monitoring program indicates that the average nitrate concentration of the effluent is lower than or equal 45 mg/l as NO_3 , the discharger shall continue monitoring the nitrate concentration of the effluent according to Section B of the Monitoring Program of this Order.
 - b. If the monitoring program indicates that the average nitrate concentration of the effluent is higher than 45 mg/l as NO_3 , the discharger shall do one of the following:
 - Submit a complete report of waste discharge (RWD), on or before February 1, 1994, to demonstrate that the discharge with nitrate concentration higher than 45 mg/l as NO_3 will not cause the Basin Plan objective for nitrate to be exceeded; or
 - Submit a complete RWD, on or before February 1, 1994, to outline the necessary work, including the construction of denitrification facility if necessary, to make the discharge from Fairbanks Ranch WPCF comply with the Basin Plan objective for nitrate; or
 - Submit a letter of intent with a time schedule to pursue a Basin Plan amendment on or before February 1, 1994.

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 Order's 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. 93-05, and future revisions thereto as specified by the Executive Officer. Monitoring results shall be reported at the intervals specified in Monitoring and Reporting Program No. 93-05.
 5. 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.
 6. 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.
7. 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."

8. 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, California 92124- 1331

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.

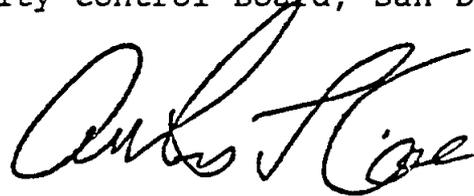
3. The California Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this Regional Board is subject to a civil monetary remedy of up to 20 dollars per gallon of waste discharged or, if a cleanup and abatement 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. 87-41. Order No. 87-41 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 February 1, 1993.



Arthur L. Coe
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

MONITORING AND REPORTING PROGRAM NO. 93-05
FOR
FAIRBANKS RANCH COMMUNITY SERVICES DISTRICT
FAIRBANKS RANCH WATER POLLUTION CONTROL FACILITY
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 Service (NTIS) Springfield, VA

22151. Order by NTIS No. PB-273-535/5ST.)

- (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, measurement, 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.6.
 11. The monitoring reports shall be signed by an authorized person as required by Reporting Requirement D.7.
 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, as 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

The following shall constitute the effluent monitoring program for Fairbanks Ranch WPCF:

Determination	Unit	Sample Type	Sampling Frequency	Reporting Frequency
Flowrate	MGD	Continuous	Continuous	Quarterly
Biochemical Oxygen Demand (5-Day @ 20°C)	mg/L	Composite	Weekly	Quarterly
Total Suspended Solids	mg/L	Composite	Weekly	Quarterly
Volatile Suspended Solids	mg/L	Composite	Weekly	Quarterly
pH	Unit	Composite	Weekly	Quarterly
Total Dissolved Solids	mg/L	Composite	Quarterly	Quarterly
Chloride	mg/L	Composite	Quarterly	Quarterly
Percent Sodium	%	Composite	Quarterly	Quarterly
Sulfate	mg/L	Composite	Quarterly	Quarterly
Nitrate (NO ₃)	mg/L	Composite	Quarterly	Quarterly
Iron	mg/L	Composite	Quarterly	Quarterly
Manganese	mg/L	Composite	Quarterly	Quarterly
Methylene Blue Active Substances	mg/L	Composite	Quarterly	Quarterly
Boron	mg/L	Composite	Quarterly	Quarterly
Fluoride	mg/L	Composite	Quarterly	Quarterly
Aluminum	mg/L	Composite	Annual	Annual
Arsenic	mg/L	Composite	Annual	Annual
Barium	mg/L	Composite	Annual	Annual
Cadmium	mg/L	Composite	Annual	Annual
Chromium	mg/L	Composite	Annual	Annual
Copper	mg/L	Composite	Annual	Annual
Lead	mg/L	Composite	Annual	Annual
Mercury	mg/L	Composite	Annual	Annual
Selenium	mg/L	Composite	Annual	Annual
Silver	mg/L	Composite	Annual	Annual
Zinc	mg/L	Composite	Annual	Annual

Note: MGD = million gallons per day
 mg/L = milligrams per liter

C. NITRATE MONITORING

Between February 1, 1993 and September 1, 1993, composite samples of the influent and of the effluent shall be collected and analyzed monthly, and reported quarterly for the following constituents: nitrate, nitrite, ammonia, and total Kjeldahl nitrogen.

D. GROUNDWATERS

The discharger shall establish a monitoring well downgradient of the primary disposal area located within Lot No. 147. A sample of the ground water from this monitoring well shall be collected, analyzed, and reported quarterly for the following constituents: TDS, Chloride, Sulfate, Boron, Fluoride, and Nitrate.

E. SEWAGE SOLIDS

A log of the type, quantity, location, and manner of disposal of solids removed in the course of sewage treatment shall be maintained and submitted quarterly.

F. REPORTING

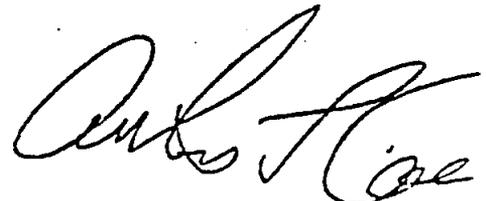
Monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

<u>Reporting Frequency</u>	<u>Report Period</u>	<u>Report Due</u>
Quarterly	January-March	April 30
	April-June	July 30
	July-September	October 30
	October-December	February 28
Semiannual	January-June	July 30
	July-December	February 28
Annual	January-December	February 28

Monitoring reports shall be submitted to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd., Suite B
San Diego, CA 92124-1331

Ordered by



Arthur L. Coe
Executive Officer
February 1, 1993