

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

BOARD ORDER NO. R6V-2004-0018
WDID NO. 6B140109001

REVISED WASTE DISCHARGE REQUIREMENTS
FOR

**HILTON CREEK COMMUNITY SERVICES DISTRICT, AND THE U.S. DEPARTMENT OF
THE INTERIOR, BUREAU OF LAND MANAGEMENT; HILTON CREEK
WASTEWATER TREATMENT PLANT**

Mono County

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

1. Discharger

The Hilton Creek Community Services District submitted information that constitutes a revised Report of Waste Discharge. For the purpose of this Regional Board Order (Order), Hilton Creek Community Services District is referred to as the "Discharger." The U.S. Department of the Interior, Bureau of Land Management is the "Landowner."

2. Facility

The Hilton Creek Wastewater Treatment Plant is the facility from which the discharge occurs. For the purpose of this Order, the Hilton Creek Wastewater Treatment Plant is referred to as the "Facility." The Facility discharges secondary treated domestic wastewater to four percolation ponds.

3. History of Previous Regulation by the Regional Board

The Regional Board previously established Waste Discharge Requirements (WDRs) for the Facility under Board Order No. 6-78-25, which was adopted on May 11, 1978 and updated by Board Order No. 6-84-12 on January 12, 1984 and Board Order No. 6-94-63 on May 19, 1994.

4. Reason for Action

The Regional Board is updating WDRs for the Facility as part of a statewide program to periodically review and update WDRs and to incorporate changes based on expansion of the Facility.

5. Facility Location

The Facility is located approximately 14 miles southwest of the Town of Mammoth Lakes, Mono County, within Section 27, T4S, R29E, MDB&M, as shown on Attachment "A," which is made part of this Order.

6. Description of Facility and Discharge

The Discharger collects, treats and disposes of domestic wastewater from the communities of Hilton Creek and Lake Crowley. Currently, the Facility is designed for daily flows of 0.176 million gallons per day (mgd) and peak instantaneous flow of 0.403 mgd. The Facility has measured daily flows of 0.045 mgd and peak flows of 0.175 mgd. Treatment is provided by a barminutor, extended aeration activated sludge tanks, a secondary clarifier and sludge drying beds. Treated wastewater is disposed in four percolation ponds connected in parallel.

7. Authorized Disposal Site

The percolation ponds are the only authorized disposal site for wastewater, as shown on attachment "B," which is made part of this Order. The designated disposal site is located on land owned by the U.S. Government and administered by the Department of the Interior, Bureau of Land Management. The disposal site is operated by the Discharger.

8. Sludge Treatment and Disposal

Sludge is periodically removed from the secondary clarifier to drying beds. Dried sludge is disposed at the Benton Crossing Class III solid waste disposal site or an alternate authorized disposal site. The Benton Crossing Class III solid waste disposal site is currently the authorized sludge disposal site.

9. Site Geology

The geology of the site is characterized by older alluvial (Pleistocene) stream deposits including late Pleistocene glacial outwash and related periglacial sediments.

10. Site Hydrology

Runoff from the plant flows to Lake Crowley located approximately one mile south of the Facility, and to Hilton Creek approximately 1½ miles southwest of the Facility.

11. Site Hydrogeology

Depth to ground water at the disposal site is expected to fluctuate with the seasons and the amount of precipitation received in the Sierra Nevada mountains. No ground water was found in a 35-foot test hole excavated at the disposal site on November 10, 1977. Depth to ground water in monitoring well No. 1, which is located down-gradient, 350 feet north of the disposal site, was 19 feet below ground surface (bgs) on September 28, 1983. Ground water in monitoring well No. 3 located 300 feet northeast of the site was found at a depth of two feet bgs on June 17, 1983. The quality of ground water beneath the site is excellent with measured total dissolved solids of less than 200 mg/L.

12. Receiving Waters

The receiving waters are the ground waters of the Long Hydrologic Area of the Owens Valley Hydrologic Unit (Department of Water Resources Hydrologic Unit No. 603.10 and DWR Ground Water Basin No. 6-11).

13. Lahontan Basin Plan

The Regional Board adopted a Water Quality Control Plan for the Lahontan Region (Basin Plan) on March 31, 1995. This Order implements the Basin Plan as amended.

14. Beneficial Uses

The beneficial uses of the ground waters of the Long Hydrologic Area of the Owens Valley Hydrologic Unit as set forth and defined in the Basin Plan are:

- a. municipal and domestic supply (MUN)
- b. agricultural supply (AGR)
- c. industrial service (IND)
- d. freshwater replenishment (FRSH)

15. California Environmental Quality Act Compliance

This project involves minor alteration of an existing facility and is therefore exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et seq.) in accordance with Title 14, California Code of Regulations, Chapter 3, Section 15301.

16. Notification of Interested Parties

The Regional Board has notified the Discharger and interested parties of its intent to revise waste discharge requirements for the discharge.

17. Consideration of Public Comments

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

IT IS HEREBY ORDERED that the Discharger shall comply with the following:

I. DISCHARGE SPECIFICATIONS

A. Effluent/Discharge Limitations

1. The total effluent flow of wastewater during a 24-hour period shall not exceed 0.176 million gallons.
2. The maximum (peak) instantaneous flowrate of wastewater shall not exceed 0.403 mgd.
3. All wastewater made available for percolation at the authorized disposal site shall not contain pollutant concentrations in excess of the following limits:

<u>Parameter</u>	<u>Units</u>	<u>Mean</u> ¹	<u>Maximum</u>
BOD	mg/L	30	45
MBAS ²	mg/L	1.0	2.0

4. All wastewater made available for percolation at the authorized disposal site shall not have a pH of less than 6 pH units or more than 9 units.
5. All wastewater made available for percolation at the authorized disposal site shall not have a dissolved oxygen concentration of less than 1.0 mg/L.

B. Receiving Water Limitations

The discharge of waste shall not cause the presence of the following substances or conditions in ground waters of the Long Hydrologic Area of the Owens Valley Hydrologic Unit:

1. Any perceptible color, odor, taste or foaming.
2. Coliform organisms attributable to human wastes.
3. Toxic substances in concentrations that individually, collectively, or cumulatively cause detrimental physiological responses in humans, plants, animals, or aquatic life.
4. Identifiable chlorinated hydrocarbons, organophosphate, carbamate, and other pesticide and herbicide groups, in summation in excess of the lowest detectable levels.
5. Concentrations of chemical constituents in excess of the maximum contaminant levels or secondary maximum contaminant levels based upon drinking water standards specified by the more restrictive of the California Code of Regulations (CCR), Title 22, Division 4; Title 23, Chapter 15; or U.S. Code of Federal Regulations (CFR) 40 CFR, Part 141.

C. General Requirements and Prohibitions

1. There shall be no discharge, bypass, or diversion of raw or partially treated sewage, sewage sludge, grease, or oils from the collection, transport, treatment, or disposal facilities to adjacent land areas or surface waters.
2. Surface flow or visible discharge of sewage or sewage effluent at or from the authorized disposal site to adjacent land areas or surface waters is prohibited.
3. The vertical distance between the liquid surface elevation and the lowest point of a pond dike or the invert of an overflow structure shall not be less than two (2) feet.

¹ The arithmetic mean of lab results for effluent samples collected in a period of 30 consecutive days.
² Methylene Blue Active Substances

4. Neither the treatment nor the discharge shall cause a nuisance, pollution or threatened pollution as defined in Section 13050 of the California Water Code.
5. The discharge of wastewater except to the authorized disposal site is prohibited.

II. PROVISIONS

A. Rescission of Waste Discharge Requirements

Board Order No. 6-94-63 is hereby rescinded.

B. Operator Certification

The Discharger's wastewater treatment plant shall be supervised by persons possessing a wastewater treatment plant operator certificate of appropriate grade pursuant to Title 23, Division 4, Chapter 14, CCR.

C. Standard Provisions

The Discharger shall comply with the "Standard Provisions for Waste Discharge Requirements," dated September 1, 1994, in Attachment "C", which is made part of this Order.

D. Monitoring and Reporting

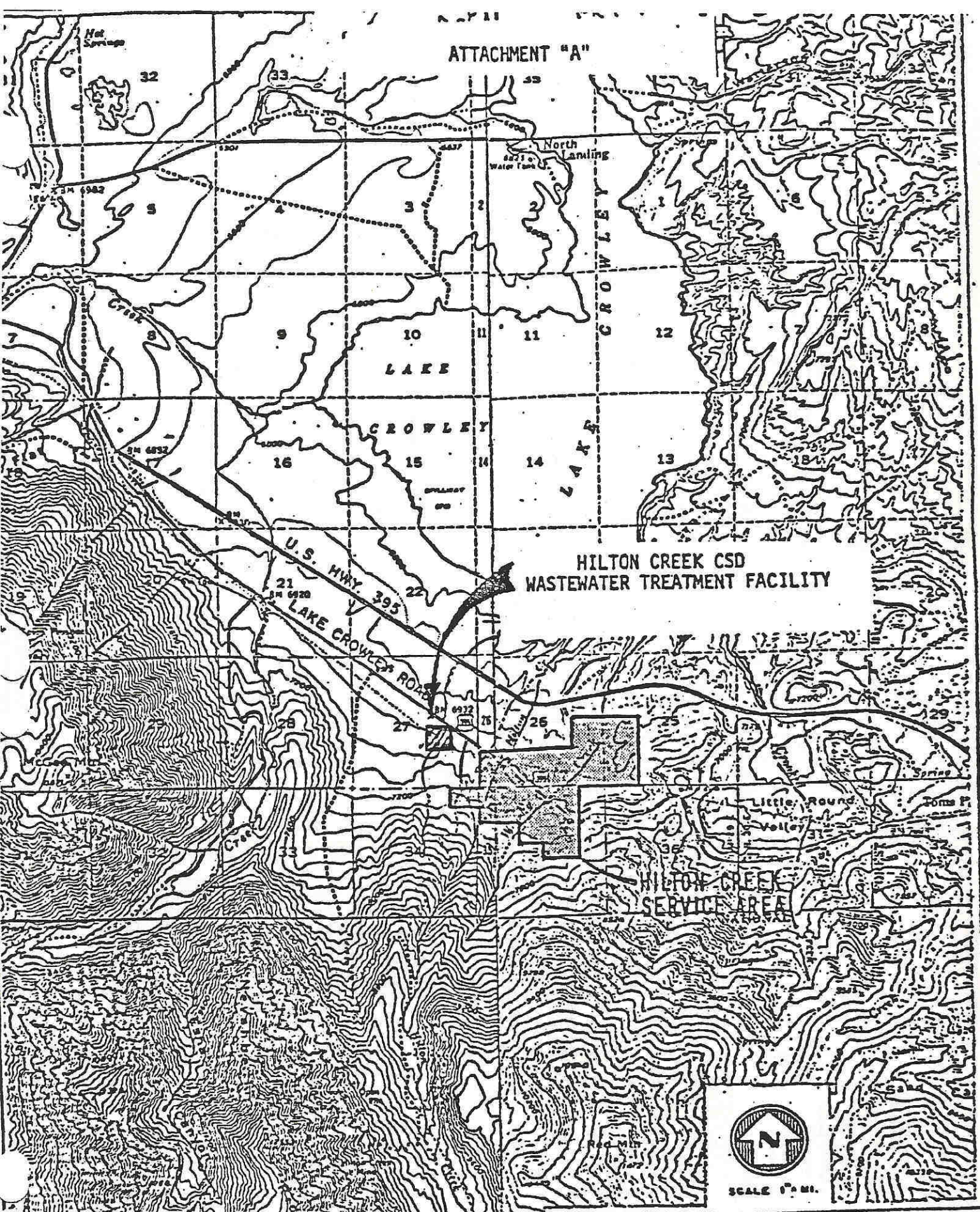
1. Pursuant to the California Water Code Section 13267(b), the Discharger shall comply with the Monitoring and Reporting Program No. R6V-2004-0018 as specified by the Executive Officer.
2. The Discharger shall comply with the "General Provisions for Monitoring and Reporting," dated September 1, 1994, which is attached to and made part of the Monitoring and Reporting Program.

I, Harold J. Singer, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Lahontan Region, on June 9, 2004.

HAROLD J. SINGER
EXECUTIVE OFFICER

Attachments: A. Location map
B. Location of Disposal Ponds
C. Standard Provisions

ATTACHMENT "A"



HILTON CREEK CSD
WASTEWATER TREATMENT FACILITY

HILTON CREEK
SERVICE AREA

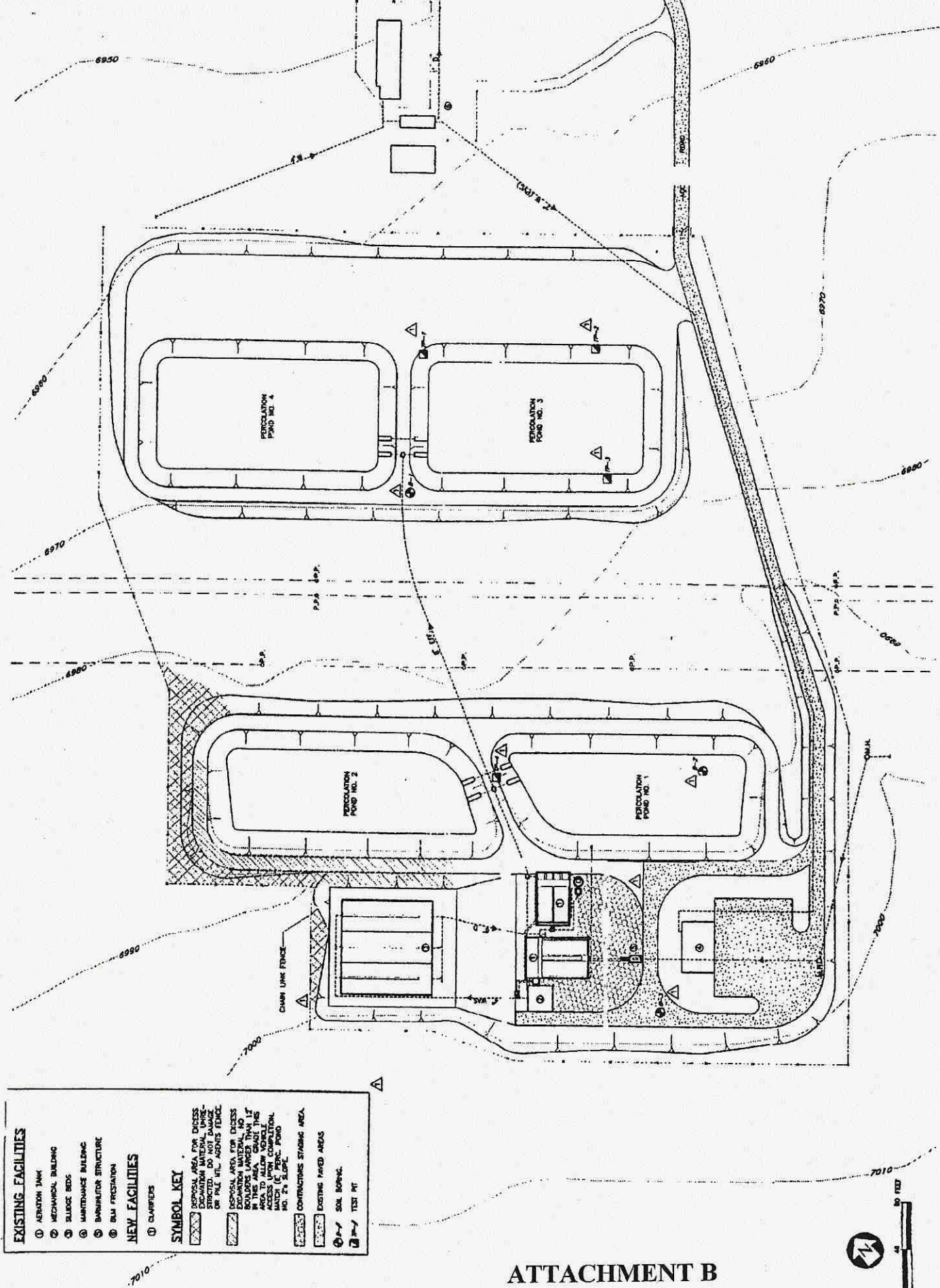


Case Diablo Quadrangle
 Longitude 118° 45'
 Latitude 37° 34'

HILTON CREEK COMMUNITY SERVICES DISTRICT.

VICINITY MAP.

EXISTING FACILITIES	
①	VENTION TANK
②	MECHANICAL BUILDING
③	SLUDGE BEDS
④	MAINTENANCE BUILDING
⑤	BIOMANIPULATOR STRUCTURE
⑥	BULK PRECIPITATION
NEW FACILITIES	
①	QUARTERS
SYMBOL KEY	
	DISPOSAL AREA FOR DECESS EXCAVATION MATERIAL, UNDE- RGROUND STORAGE TANKS OR PILE, PILE, AND/OR FENCE
	DESIGNATED AREA FOR DECESS EXCAVATION MATERIAL, UNDE- RGROUND STORAGE TANKS OR PILE, PILE, AND/OR FENCE, THIS AREA SHALL BE GRAD, THIS ACCESS UPON COMPLETION, MATCH TO PERC. POND NO. 24 SLOPE
	CONTRACTORS STAGING AREA
	EXISTING PAVED AREAS
	SOIL BORING
	TEST PIT



ATTACHMENT B

Base map prepared by
ES₂
 ENVIRONMENTAL SERVICES

Attachment E Topo Map 12-4-2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

STANDARD PROVISIONS
FOR WASTE DISCHARGE REQUIREMENTS

1. Inspection and Entry

The Discharger shall permit Regional Board staff:

- a. to enter upon premises in which an effluent source is located or in which any required records are kept;
- b. to copy any records relating to the discharge or relating to compliance with the Waste Discharge Requirements (WDRs);
- c. to inspect monitoring equipment or records; and
- d. to sample any discharge.

2. Reporting Requirements

- a. Pursuant to California Water Code 13267(b), the Discharger shall immediately notify the Regional Board by telephone whenever an adverse condition occurred as a result of this discharge; written confirmation shall follow within two weeks. An adverse condition includes, but is not limited to, spills of petroleum products or toxic chemicals, or damage to control facilities that could affect compliance.
- b. Pursuant to California Water Code Section 13260 (c), any proposed material change in the character of the waste, manner or method of treatment or disposal, increase of discharge, or location of discharge, shall be reported to the Regional Board at least 120 days in advance of implementation of any such proposal. This shall include, but not be limited to, all significant soil disturbances.
- c. The Owners/Discharger of property subject to WDRs shall be considered to have a continuing responsibility for ensuring compliance with applicable WDRs in the operations or use of the owned property. Pursuant to California Water Code Section 13260(c), any change in the ownership and/or operation of property subject to the WDRs shall be reported to the Regional Board. Notification of applicable WDRs shall be furnished in writing to the new owners and/or operators and a copy of such notification shall be sent to the Regional Board.
- d. If a Discharger becomes aware that any information submitted to the Regional Board is incorrect, the Discharger shall immediately notify the Regional Board, in writing, and correct that information.

- e. Reports required by the WDRs, and other information requested by the Regional Board, must be signed by a duly authorized representative of the Discharger. Under Section 13268 of the California Water Code, any person failing or refusing to furnish technical or monitoring reports, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in an amount of up to one thousand dollars (\$1,000) for each day of violation.
- f. If the Discharger becomes aware that their WDRs (or permit) are no longer needed (because the project will not be built or the discharge will cease) the Discharger shall notify the Regional Board in writing and request that their WDRs (or permit) be rescinded.

3. Right to Revise WDRs

The Regional Board reserves the privilege of changing all or any portion of the WDRs upon legal notice to and after opportunity to be heard is given to all concerned parties.

4. Duty to Comply

Failure to comply with the WDRs may constitute a violation of the California Water Code and is grounds for enforcement action or for permit termination, revocation and re-issuance, or modification.

5. Duty to Mitigate

The Discharger shall take all reasonable steps to minimize or prevent any discharge in violation of the WDRs which has a reasonable likelihood of adversely affecting human health or the environment.

6. Proper Operation and Maintenance

The Discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the Discharger to achieve compliance with the WDRs. Proper operation and maintenance includes adequate laboratory control, where appropriate, and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems that are installed by the Discharger, when necessary to achieve compliance with the conditions of the WDRs.

7. Waste Discharge Requirement Actions

The WDRs may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Discharger for waste discharge requirement modification, revocation and re-issuance, termination, or a notification of planned changes or anticipated noncompliance, does not stay any of the WDRs conditions.

8. Property Rights

The WDRs do not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

9. Enforcement

The California Water Code provides for civil liability and criminal penalties for violations or threatened violations of the WDRs including imposition of civil liability or referral to the Attorney General.

10. Availability

A copy of the WDRs shall be kept and maintained by the Discharger and be available at all times to operating personnel.

11. Severability

Provisions of the WDRs are severable. If any provision of the requirements is found invalid, the remainder of the requirements shall not be affected.

12. Public Access

General public access shall be effectively excluded from treatment and disposal facilities.

13. Transfers

Providing there is no material change in the operation of the facility, this Order may be transferred to a new owner or operation. The owner/operator must request the transfer in writing and receive written approval from the Regional Board's Executive Officer.

14. Definitions

a. "Surface waters" as used in this Order, include, but are not limited to, live streams, either perennial or ephemeral, which flow in natural or artificial water courses and natural lakes and artificial impoundments of waters. "Surface waters" does not include artificial water courses or impoundments used exclusively for wastewater disposal.

b. "Ground waters" as used in this Order, include, but are not limited to, all subsurface waters being above atmospheric pressure and the capillary fringe of these waters.

15. Storm Protection

All facilities used for collection, transport, treatment, storage, or disposal of waste shall be adequately protected against overflow, washout, inundation, structural damage or a significant reduction in efficiency resulting from a storm or flood having a recurrence interval of once in 100 years.

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION**

**MONITORING AND REPORTING PROGRAM NO. R6V-2004-0018
WDID NO. 6B140109001
FOR**

**HILTON CREEK COMMUNITY SERVICES DISTRICT, AND THE U.S. DEPARTMENT OF
THE INTERIOR, BUREAU OF LAND MANAGEMENT; HILTON CREEK
WASTEWATER TREATMENT PLANT**

Mono County

I. MONITORING

A. Flow Monitoring

1. The following shall be recorded for the flows of wastewater to the treatment facility:
 - a. Total volume in million gallons day (mgd),
 - b. Total volume in million gallons month, and
 - c. Average flowrate in mgd month.
 - d. Maximum instantaneous flow rate mgd of wastewater to the treatment facility for, each month.
2. The Discharger shall measure and record the freeboard (distance from the top of the lowest part of the berm to the wastewater surface in pond) in each Percolation Pond each month. If a Percolation Pond does not contain wastewater, indicate that it is empty.
3. The total volume, mgd, of wastewater flow to each disposal facility for each month.

B. Facility Effluent Monitoring

Grab samples of the effluent discharged to the percolation ponds shall be collected and analyzed to determine the magnitude of the following parameters:

<u>Parameter</u>	<u>Units</u>	<u>Frequency</u>
Biochemical Oxygen Demand (BOD)	mg/L	Monthly
Methylene Blue Active Substances	mg/L	Monthly
pH	pH units	Monthly
Carbonaceous BOD	mg/L	Monthly
Total Kjeldahl Nitrogen	mg/L as N	Quarterly
Total Filterable Residue	mg/L	Annually
Chloride	mg/L	Annually

C. Ground Water Monitoring

Grab samples from the uppermost ground water bearing zone shall be collected from the three monitoring wells at the facility and analyzed to determine the magnitude of the following parameters:

<u>Parameter</u>	<u>Units</u>	<u>Frequency</u>
Methylene Blue Active Substances	mg/L	Semi-annually
Total Settleable Solids	mg/L	Semi-annually
Chloride	mg/L	Semi-annually
Nitrate Nitrogen ¹	mg/L as N	Quarterly
Total Dissolved Solids	meq/L	Quarterly

- a. The elevation (mean sea level) of ground water in each well shall be measured and recorded each time a monitoring well is sampled (prior to purging, as specified below).
- b. Well Purging: ground water samples shall be collected only after at least three volumes of water in the well casing have been removed and measurements of temperature, pH and electrical conductivity of water in the well have stabilized.
- c. The velocity and direction of ground water flow beneath the facility site shall be determined and reported on a scaled map semi-annually.
- d. By **January 15, 2005**, the Discharger shall submit a Sampling and Analysis Plan describing sample collection for the ground water monitoring network to ensure ground water samples are representative of the aquifer beneath the site.

D. Sludge Monitoring

1. By **October 12, 2004**, the Discharger shall submit a Sludge Management Plan to the Regional Board office for review and consideration of approval. The Discharger shall submit subsequent annual reports summarizing disposal of sludge in accordance with the provisions in the Plan with the last quarterly report of the calendar year.
2. The Discharger shall report to the Regional Board quarterly and annually all information necessary to comply with the U.S. Environmental Protection Agency Sludge Management Regulations contained in Section 503 of the Federal Clean Water Act.
3. Annually, the Discharger must submit a tabular and descriptive report of all spills for the year along with any changes or improvements to the Spill Prevention and Response Plan.

1. Performed in accordance with EPA Test No. 352.2 or 353.3

II. REPORTING

A. General Provisions

The Discharger shall comply with the "General Provisions for Monitoring and Reporting," dated September 1, 1994, which is attached to and made part of this Monitoring and Reporting Program.

B. Submittal Periods

Beginning on the 15th day of the month following the adoption of this Order, a monitoring report including the preceding information shall be submitted to the Regional Board. Subsequent monitoring reports shall be submitted to the Regional Board by the 15th day of the month following each quarter.

Ordered by: _____
HAROLD J. SINGER
EXECUTIVE OFFICER

Dated: **June 9, 2004**

Attachments: A. General Provisions for Monitoring and Reporting Program
B. See Attachment B of the WDRs for Monitoring Locations

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

GENERAL PROVISIONS
FOR MONITORING AND REPORTING

1. **SAMPLING AND ANALYSIS**

- a. All analyses shall be performed in accordance with the current edition(s) of the following documents:
 - i. Standard Methods for the Examination of Water and Wastewater
 - ii. Methods for Chemical Analysis of Water and Wastes, EPA
- b. All analyses shall be performed in a laboratory certified to perform such analyses by the California State Department of Health Services or a laboratory approved by the Regional Board Executive Officer. Specific methods of analysis must be identified on each laboratory report.
- c. Any modifications to the above methods to eliminate known interferences shall be reported with the sample results. The methods used shall also be reported. If methods other than EPA-approved methods or Standard Methods are used, the exact methodology must be submitted for review and must be approved by the Regional Board prior to use.
- d. The Discharger shall establish chain-of-custody procedures to insure that specific individuals are responsible for sample integrity from commencement of sample collection through delivery to an approved laboratory. Sample collection, storage, and analysis shall be conducted in accordance with an approved Sampling and Analysis Plan (SAP). The most recent version of the approved SAP shall be kept at the facility.
- e. The Discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to ensure accuracy of measurements, or shall insure that both activities will be conducted. The calibration of any wastewater flow measuring device shall be recorded and maintained in the permanent log book described in 2.b, below.
- f. A grab sample is defined as an individual sample collected in fewer than 15 minutes.
- g. A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period at equal intervals. The volume of each individual sample shall be proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

2. OPERATIONAL REQUIREMENTS

a. Sample Results

Pursuant to California Water Code Section 13267(b), the Discharger shall maintain all sampling and analytical results including: strip charts; date, exact place, and time of sampling; date analyses were performed; sample collector's name; analyst's name; analytical techniques 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.

b. Operational Log

Pursuant to California Water Code Section 13267(b), an operation and maintenance log shall be maintained at the facility. All monitoring and reporting data shall be recorded in a permanent log book.

3. REPORTING

- a. For every item where the requirements are not met, the Discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time, and shall submit a timetable for correction.
- b. Pursuant to California Water Code Section 13267(b), all sampling and analytical results shall be made available to the Regional Board upon request. Results 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.
- c. The Discharger shall provide a brief summary of any operational problems and maintenance activities to the Board with each monitoring report. Any modifications or additions to, or any major maintenance conducted on, or any major problems occurring to the wastewater conveyance system, treatment facilities, or disposal facilities shall be included in this summary.
- d. Monitoring reports shall be signed by:
 - i. In the case of a corporation, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;
 - ii. In the case of a partnership, by a general partner;
 - iii. In the case of a sole proprietorship, by the proprietor; or

- iv. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
- e. Monitoring reports are to include the following:
 - i. Name and telephone number of individual who can answer questions about the report.
 - ii. The Monitoring and Reporting Program Number.
 - iii. WDID Number.
- f. Modifications

This Monitoring and Reporting Program may be modified at the discretion of the Regional Board Executive Officer.

4. NONCOMPLIANCE

Under Section 13268 of the Water Code, any person failing or refusing to furnish technical or monitoring reports, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in an amount of up to one thousand dollars (\$1,000) for each day of violation under Section 13268 of the Water Code.

x:PROVISIONS WDRS

file: general pro mrp