

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

TENTATIVE ORDER NO. R9-2009-0009

**WASTE DISCHARGE REQUIREMENTS
FOR THE CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION
RAINBOW CONSERVATION CAMP, SAN DIEGO COUNTY**

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

1. The California Department of Forestry and Fire Protection (hereinafter CAL Fire or Discharger¹) submitted a Report of Waste Discharge (RoWD) dated May 27, 2008 for a material change to the onsite wastewater treatment system (OWTS) being regulated under Order No. 95-20, *Waste Discharge Requirements for the California Department of Forestry and Fire Protection, Rainbow Conservation Camp, San Diego County*. This change consisted of replacing the existing septic tank with an OWTS that includes a bar screen, a flow equalization tank, an anoxic zone, an aerobic zone, a clarifier, and a sludge storage tank.
2. The Rainbow Conservation Camp OWTS is located in the NW ¼ of Section 5, T9S, R2W, SBB & M, in the Vallecitos Hydrologic Subarea (HSA) (902.23) of the Deluz Hydrologic Area (HA).
3. The new OWTS has a design capacity of 12,500 gallons per day for treating the wastewater from the mess hall, kitchen, forestry and correction offices, the shop building restroom, inmate barracks with toilets and showers, the laundry facility, and the recreation building at the Rainbow Conservation Camp. The facility was designed based upon the following parameters for the quality of the influent and effluent:

Table 1. Influent and Effluent Quality

CONSTITUENT	INFLUENT (mg/L)	EFFLUENT (mg/L)
Biochemical Oxygen Demand	450	10
Total Suspended Solids	200	10
Ammonia Nitrogen	45	1
Phosphorus	8	3

4. The effluent from the OWTS is disposed to three facility evaporation/percolation ponds, and a 1.75 acre spray disposal field located at the Conservation Camp. By replacing the septic tank with the new OWTS, the Discharger has reduced the total nitrogen loading to these disposal areas by more than 50 percent.

¹ For the purposes of this Order, references to the “discharger” or “permittee” in applicable federal and state laws, regulations, plans, or policy are held to be equivalent to references to the Discharger herein.

5. Drinking water is supplied to the facility from Rainbow Municipal Water District. An onsite well supplies the facility with water for landscape irrigation.
6. This Order serves as Waste Discharge Requirements (WDRs) pursuant to Article 4, Chapter 4, Division 7 of the Water Code (commencing with section 13260).
7. This Regional Board adopted a Water Quality Control Plan for the San Diego Basin (hereinafter Basin Plan) on September 8, 1994 that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. In addition, the Basin Plan implements State Water Resources Control Board (State Water Board) Resolution No. 88-63, which established state policy that all waters, with certain exceptions, should be considered suitable or potentially suitable for municipal or domestic supply. Beneficial uses applicable to the Vallecitos HSA are municipal and domestic water supply (MUN), agricultural supply (AGR), and industrial service supply (IND).
8. The Basin Plan establishes the following groundwater quality objectives for Deluz Hydrologic Area.

Table 2. Water Quality Objectives for Groundwater

HYDROLOGIC AREA	CONSTITUENT (mg/L or as noted)												
	(Concentrations not to be exceeded more than 10% of the time during any one year period)												
	TDS	Cl	SO ₄	%Na ²	NO ₃ ⁻	Fe	Mn	M B A S	B	O D O R	TURB (NTU)	COLOR (UNITS)	F
Deluz 902.20	500	250	250	60	10	0.3	0.05	0.5	0.75	none	5	15	1.0

Notes: TDS = Total Dissolved Solids; Cl = Chlorine; SO₄ = Sulfate; %Na = Percent Sodium; NO₃ = Nitrate; Fe = Iron; Mn = Manganese; MBAS = Methylene Blue Activated Substances; B = Boron; Turb = Turbidity (NTU = Nephelometric Turbidity Units); F = Fluoride.

9. This Order contains both technology-based and water quality-based discharge specifications for individual pollutants. The technology-based discharge specifications are based on design criteria for removal of biochemical oxygen demand and suspended solids by secondary treatment technology. Water quality-based discharge specifications are derived from Basin Plan water quality objectives, taking into consideration denitrification properties of the disposal ponds, adsorption properties of the soils beneath the ponds, nutrient uptake of the trees being irrigated with the effluent, and assimilation by rainfall recharge within the Conservation Camp.
10. State Water Board Resolution No. 68-16 (also known as the State Antidegradation Policy) requires that high quality of waters of the state are maintained to the

maximum extent possible, even when that quality is better than needed to protect beneficial uses. The regulated discharge is consistent with the antidegradation provision of State Water Board Resolution No. 68-16.

11. Monitoring and Reporting Program No. R9-2009-0009 establishes monitoring and reporting requirements pursuant to Water Code section 13267 that are necessary to verify compliance by the Discharger with the requirements of this Order. The cost to implement Monitoring and Reporting Program is reasonable in relationship to the need for the reports and the benefits to be obtained from the reports.
12. This Regional Board has established standard waste discharge requirement provisions that are applicable to the subject OWTS.
13. The project as described in Order No. 95- 20 was an existing facility and as such was exempt from the provisions of the California Environmental Quality Act (CEQA), in accordance with section 15301 of Title 14, California Code of Regulations, Chapter 3, Article 19. The upgrade to the OWTS, which was the grounds for revoking Order No. 95-20, and issuing this Order, consisted of replacing an existing utility system involving negligible expansion of capacity and as such is exempt from the provisions of CEQA, in accordance with section 15302 of Title 14, California Code of Regulations, Chapter 3, Article 19.
14. This Regional Board has considered all water resource related environmental factors associated with the discharge of waste.
15. This Regional Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided an opportunity to submit written comments and recommendations.
16. This Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the California Department of Fire and Forestry, in order to meet the provisions contained in Division 7 of the Water Code and regulations adopted there under 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. 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.
3. Discharge of treated or untreated solid or liquid waste to a navigable water or tributary of a navigable water is prohibited unless as authorized by waste discharge requirements that implement a federal National Pollutant Discharge Elimination System (NPDES) permit issued by the Regional Board.
4. Neither the treatment, storage, nor disposal of waste shall create a condition of pollution, contamination, or nuisance as defined in section 13050 of the Water Code.
5. The disposal of wastewater shall not cause a violation of prohibitions contained in the Basin Plan.

B. DISCHARGE SPECIFICATIONS

1. The monthly average effluent flowrate from the Rainbow Conservation Camp sewage treatment plant shall not exceed 12,500 gallons per day.
2. The discharge of an effluent containing pollutants in excess of the following discharge specifications is prohibited:

Table 3. Discharge Specifications based on secondary treatment standards

CONSTITUENT	UNITS	MONTHLY AVERAGE ¹	DAILY MAXIMUM ²
Biochemical Oxygen Demand (BOD @ 20 C)	mg/L	30	45
Total Suspended Solids	mg/L	30	45
pH	pH units	6.0-9.0	

¹The monthly average discharge specification shall apply to the arithmetic mean of the results of all samples collected during each calendar month.

²The daily maximum discharge specification shall apply to the results of a single composite or grab sample representing non-overlapping 24-hour periods

Table 4. Discharge Specifications based on groundwater quality objectives

CONSTITUENT	UNIT	12-MONTH AVERAGE³
Total Dissolved Solids	mg/L	750
Nitrate as N	mg/L	15
Chloride	mg/L	250
Sulfate	mg/L	250
Manganese	mg/L	0.05
Fluoride	mg/L	1.0
Boron	mg/L	0.75
MBAS	mg/L	0.5
Iron	mg/L	0.3

³The 12-month average discharge specification shall apply to the arithmetic mean of the results of all samples collected during any calendar year.

C. FACILITY DESIGN AND OPERATION SPECIFICATIONS

1. Proper Operation: 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.
2. Certification Report: The treatment and disposal facilities shall have adequate capacity for the full design flow of 12,500 gallons per day for secondary treatment. A report from the design engineer or other licensed civil engineer certifying the adequacy of each component of the treatment, storage, and disposal facilities shall be submitted by the discharger within 180 days of the adoption of this Order by the Regional Board. The certification report shall contain a requirement-by requirement analysis based on acceptable engineering practices, of how the process and physical designs of the facilities will ensure compliance with the master reclamation permit. The design engineer shall affix their signature and engineering license number to the certification report.

3. System Specifications: The treatment and dispersal systems shall comply with the following:
 - a. Pipe and pump systems used to convey wastewater to the wastewater treatment plant or convey effluent from the treatment plant to the percolation ponds, or spray irrigation field, or the storage ponds shall have alarms or other systems that notify the discharger in the event of pipe or pump failure. All pump systems shall, at a minimum, provide for storage during a 24-hour power outage or pump failure.
 - b. Tanks, risers, and lids shall be structurally sound, watertight, and store wastes in a manner that will not create odors or vector attraction.

4. Operation Manual: A copy of the facility operations manual shall be maintained at the discharger's facility and shall be available to operation personnel and Regional Board staff at all times. The operations manual shall include, but not be limited to:
 - a. Instructions for proper use of the on-site wastewater treatment system (OWTS),
 - b. Name, address, and telephone number of an emergency contact person,
 - c. Design flow and performance requirements for the OWTS,
 - d. Narrative description of the OWTS that includes: major components and their functions and design capacity,
 - e. Monitoring requirements to assess system performance,
 - f. Maintenance requirements, including maintenance frequency,
 - g. A list of substances that if discarded into the OWTS would impair performance, and
 - h. The operation manual shall include the following additional information where appropriate:
 - (1) A trouble-shooting guide,
 - (2) A list of safety precautions directly related to the OWTS, and
 - (3) An emergency response procedure for when problems occur (e.g., in response to an alarm indicating a malfunction).

5. Wet Weather Facilities: The discharger shall provide adequate facilities to treat or dispose of wastewater, or use alternative methods of disposal such as hauling wastewater by a certified waste hauler during and after periods of rainfall when disposal by spray irrigation cannot be successfully practiced due to surfacing effluent, or effluent runoff, and to prevent the discharge of treated or untreated wastewater to any surface water body.
6. Effluent Storage Facilities: 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.
7. Spray Disposal Fields: Irrigation of the spray disposal field shall be properly managed and evenly distributed to optimize water and nitrogen uptake by vegetation and prevent oversaturation of the ground. Public access to the spray disposal fields shall be prevented with a fence or other measures necessary. An adequate number of signs shall be prominently posted to warn the public of irrigation with wastewater.
8. Flood Protection: All waste treatment, storage and disposal facilities (including storage ponds and percolation ponds), with the exception of the spray disposal areas, shall be protected against 100-year peak stream flows as defined by the San Diego County Flood Control Agency.
9. Runoff Protection: All wastewater storage facilities (including storage ponds and percolation ponds), with the exception of the spray disposal areas, shall be protected against erosion, overland runoff, and other impacts resulting from a 100- year, 24-hour frequency storm.
10. Monitoring And Reporting: The discharger shall comply with the attached Monitoring and Reporting Program for Order No. R9-2009-0009 and future revisions thereto as specified by the Regional Board. Monitoring results shall be reported at the intervals specified in the Monitoring and Reporting Program.
11. Waste Solids: All treatment and storage of septage, sludge, and other solids shall neither create a nuisance, such as objectionable odors or flies, nor result in groundwater impacts, and shall be collected by a licensed waste hauler and transported to a treatment facility approved to receive and process the waste.

D. STANDARD PROVISIONS

1. Duty to Comply: The discharger must comply with all conditions of this Order. Any noncompliance with this Order constitutes a violation of the 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.
2. Entry and Inspection: 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 do the following:
 - 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 Water Code, any substances or parameters at any location.
3. Civil Monetary Remedies: The Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this Regional Board shall be liable civilly in accordance with Water Code section 13350 (d), (e), or (f).
4. Penalties for Investigation, Monitoring or Inspection Violations: The 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 and is subject to a civil liability in accordance with Water Code section 13268.
5. Endangerment of Health and Environment: The discharger shall report any noncompliance that may endanger health or the environment. Any such information shall be provided orally to the Regional Board within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within 5 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 Regional Board, 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 Regional Board within 24 hours:

- a. Any bypass from any portion of the treatment facility. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility to other than a sewer system.
 - b. Any treatment facility upset that causes the discharge specifications of this Order to be exceeded.
 - c. Any spill or overflow of treated or untreated wastewater from the wastewater collection system, treatment plant, and disposal facilities which runs off onto property not owned by the discharger or is 1,000 gallons or greater resulting from pipeline breaks, pump failure, obstruction, surcharge, or any other circumstances. This includes a discharge of treated effluent to the spray disposal field by means other than irrigation which runs off onto property not owned by the discharger or is 1,000 gallons or greater.
6. Corrective Action: 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.
7. Treatment Failures: A defense for the discharger shall not be that halting or reducing the permitted activity would have been necessary 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, 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 to the treatment facility fails, is reduced, or is lost.
8. Hazardous Releases: Except for a discharge which is in compliance with these waste discharge requirements, any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the state, shall as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Director of Environmental Health Services, County of San Diego in accordance with California Health and Safety Code section 5411.5 and the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the state toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with section 8574.7) of Chapter 7 of Division 1 of Title 2 of the Government Code, and immediately notify the State

Water Board or the appropriate Regional Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of section 13271 of the Water Code unless the discharger is in violation of a prohibition in the Basin Plan.

9. Petroleum Releases: Except for a discharge which is in compliance with these waste discharge requirements, any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the state, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the state, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the state oil spill contingency plan adopted pursuant to Article 3.5 (commencing with section 8574.1) of Chapter 7 of Division 1 of Title 2 of the Government Code. This requirement does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Clean Water Act (CWA) section 311, or the discharge is in violation of a prohibition in the applicable Basin Plan.
10. Permit Repository: A copy of this Order shall be maintained at the discharger's facility and shall be available to operating personnel at all times.
11. Retention of Records: The discharger shall retain records of all monitoring information, including all calibration and maintenance records, 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.
12. General Reporting Requirement: The discharger shall furnish to this Regional Board, within a reasonable time, any information which it may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The discharger shall also furnish, upon request, copies of records required to be kept by this Order.
13. Permit Revision: 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.

- 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.

14. Change in Discharge: 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 that result in a material change in character, amount, or location of the waste discharge, and/or
- f. Any planned change in the regulated facility or activity that may result in noncompliance with this Order,

15. Change in Ownership: This Order is not transferable to any person except after notice to the Regional Board. The discharger shall submit this notice in writing at least 30 days in advance of any proposed transfer. 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. 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 Water Code.

16. Incomplete Reports: 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.

17. Report Declaration: All applications, reports, or information submitted to the Regional Board shall be signed and certified as follows:

a. The Report of Waste Discharge shall be signed as follows:

For a corporation - by a principal Executive Officer of at least the level of Vice-President.

(1) For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.

(2) 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 Regional Board 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 all of the following are true:

(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 Regional Board.

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

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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 fine and imprisonment for knowing violations."

18. Regional Board Address: The discharger shall submit reports required under this Order or other information required by the Regional Board to the following address:

Groundwater Basins Branch
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, California 92123

E. NOTIFICATIONS

1. Vested Rights: 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.
2. USEPA Review: These requirements have been reviewed by the USEPA, are not issued pursuant to CWA section 402.
3. Severability: 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.
4. Effective Date: This Order takes effect on the date of adoption by the Regional Board.

I, John H. Robertus, Executive Officer, do hereby certify that this Order with all attachments is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on April 8, 2009.

Tentative

JOHN H. ROBERTUS, Executive Officer
California Regional Water Quality Control Board
San Diego Region

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

**TENTATIVE MONITORING AND REPORTING PROGRAM NO.R9- 2009-0009
FOR THE
CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION
RAINBOW CONSERVATION CAMP
SAN DIEGO COUNTY**

This Monitoring and Reporting Program is issued pursuant to Water Code section 13267 and is intended to determine compliance with Waste Discharge Requirements in Order No. R9-2009-0009

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 Monitoring and Reporting Program (MRP) 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 notifying, and receiving approval from the Regional Board for the proposed monitoring location change.
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 ten percent from true discharge rates throughout the range of expected discharge volumes.
3. Monitoring must be conducted according to United States Environmental Protection Agency (USEPA) test procedures approved under Code of Federal Regulations (CFR), Title 40, 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 MRP.
4. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Public Health (CDPH) or a laboratory approved by the Regional Board.
5. Monitoring results must be reported on discharge monitoring report forms accepted by the Regional Board.

6. If the Discharger monitors any pollutants more frequently than required by this MRP, using test procedures approved under 40 CFR, Part 136, or as specified in this MRP, 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 copies of all reports required by this MRP, and records of all data used to complete the application for this MRP. 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 required by the Regional Board.
8. Records of monitoring information shall include the following:
 - 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 that 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 Standard Provision D.5 of Order No. R9-2000-0009 at the time monitoring reports are submitted. The reports shall contain the information described in Standard Provision D.5.
11. The monitoring reports shall be signed by an authorized person as required by Standard Provision D.17 of Order No. R9-2009-0009.
12. 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.
13. The Discharger shall identify all missing or non-valid monitoring or sampling results in monitoring reports submitted. All instances of missing or non-valid results must be accompanied by an explanation of their root cause and the

steps the Discharger has or will take to prevent future instances. Missing or non-valid results may be considered violations of Order No. R9-2009-0009 that could result in enforcement action depending on the frequency of such instances and efforts by the Discharger to prevent such failures.

B. EFFLUENT MONITORING

1. The Discharger shall monitor the effluent from the Rainbow Conservation Camp treatment plant prior to discharge to the disposal ponds or spray disposal field in accordance with the following criteria:

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY ^{1,2}	REPORTING FREQUENCY ^{1,2}
Total Flow rate	Gallons/Day	Continuous	Continuous	Semiannual
Biological Oxygen Demand (5 day@ 20 C)	mg/L	Grab	Quarterly	Semiannual
Total Suspended Solids	mg/L	Grab	Quarterly	Semiannual
pH	pH Units	Grab	Quarterly	Semiannual
Total Dissolved Solids (TDS)	mg/L	Grab	Semiannual	Semiannual
Nitrate (as NO ₃)	mg/L	Grab	Semiannual	Semiannual
Kjehdahl Nitrogen (as N)	mg/L	Grab	Semiannual	Semiannual
Total Nitrogen (as N)	mg/L	Grab	Semiannual	Semiannual
Boron	mg/L	Grab	Semiannual	Semiannual
Chloride	mg/L	Grab	Semiannual	Semiannual
Sulfate	mg/L	Grab	Semiannual	Semiannual
Manganese	mg/L	Grab	Semiannual	Semiannual
Fluoride	mg/L	Grab	Semiannual	Semiannual
MBAS ³	mg/L	Grab	Semiannual	Semiannual
Iron	mg/L	Grab	Semiannual	Semiannual

¹ Daily is defined as each calendar day. Monthly is defined as once per calendar month. Quarterly is defined as once per three consecutive month period beginning with January, April, July, or October. Semiannually is defined once every six consecutive month period beginning with January or July.

² The Discharger shall increase the sampling frequency from quarterly to monthly and from semiannually to quarterly for a constituent whenever the effluent concentration for a given constituent exceeds the daily maximum effluent limitation contained in Discharge Specification B.2 of Order No. R9-2009-0009. The increased frequency of monitoring shall continue until the Discharger achieves compliance with the discharge specification for two consecutive periods. After compliance is achieved, the Discharger shall resume sampling at the specified frequency.

³ Methylene Blue Activated Substances

C. GROUNDWATER

The Discharger shall sample the groundwater from its onsite well for an analysis of the background groundwater quality in accordance with the following criteria:

CONSTITUENT	UNIT	SAMPLING FREQUENCY ⁴	REPORTING FREQUENCY ⁴
TDS	mg/L	Annually	Annually
Sulfate	mg/L	Annually	Annually
Chloride	mg/L	Annually	Annually
Nitrate	mg/L	Annually	Annually
Iron	mg/L	Annually	Annually
Manganese	mg/L	Annually	Annually

⁴ Annually means once every twelve consecutive month period beginning with January.

D. SEWAGE SLUDGE

A log of the type, quantity, location and manner of disposal of solids removed in the course of sewage treatment shall be maintained at the facility and a report summarizing the data shall be submitted annually.

F. SPILLS AND OVERFLOWS

The Discharger shall report semiannually a summary of all spills and overflows of treated or untreated wastewater from the wastewater collection system, treatment plant, or disposal facilities resulting from pipeline breaks, pump failure, obstruction, surcharge, or any other circumstances. The total volume, volume recovered, date and time of the discharge, cause, location, final destination, and mitigation actions taken for each spill or overflow shall be reported. If there are no spills or overflows to report, the Discharger shall submit a statement to this effect.

G. REPORT SCHEDULE

Monitoring Reports shall be submitted to the Regional Board in accordance with the following schedule:

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

Monitoring Reports shall be submitted to:

Groundwater Basins Branch
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego CA, 92123

Ordered by: **Tentative**
JOHN H. ROBERTUS, Executive Officer
California Regional Water Quality Control Board
San Diego Region

DATE: April 8, 2009