

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

MONITORING AND REPORTING PROGRAM NO. R9-2015-0012

**UNITED STATES NAVY REMOTE TRAINING SITE WARNER SPRINGS ONSITE
WASTEWATER TREATMENT SYSTEM, SAN DIEGO COUNTY**

This Monitoring and Reporting Program (MRP) is issued pursuant to Water Code section 13267. The Water Code authorizes the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) to require technical and monitoring reports. The MRP establishes monitoring and reporting requirements to ensure that the Discharger complies with Order No. R9-2015-0012.

I. GENERAL MONITORING PROVISIONS

- A. 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 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 San Diego Water Board for the proposed monitoring location change.
- B. 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 is 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 10 percent from true discharge rates throughout the range of expected discharge volumes.
- C. Monitoring must be conducted according to U. S. Environmental Protection Agency (USEPA) test procedures approved under 40, Code of Federal Regulations (CFR), part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act" as amended, unless other test procedures have been specified in this MRP.
- D. Unless otherwise permitted by the San Diego Water Board, all analyses shall be conducted at a laboratory certified to perform such analyses by the State Water Board Division of Drinking Water. The Discharger must use a laboratory capable of producing and providing quality assurance/quality control (QA/QC) records for San Diego Water Board review. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his/her laboratory and shall sign all reports submitted to the San Diego Water Board.

- E. Any report presenting new analytical data is required to include the complete laboratory analytical report(s). The laboratory analytical report must be signed by the laboratory director and contain:
1. A complete sample analytical report;
 2. A complete laboratory quality assurance/quality control (QA/QC) report.
 3. A discussion of the QA/QC data.
 4. A transmittal letter indicating whether or not all the analytical work was supervised by the director of the laboratory, and containing the following statement, "All analyses were conducted at a laboratory certified for such analyses by the State Water Board Division of Drinking Water in accordance with current USEPA procedures."
- F. Specific methods of analysis must be identified in the Discharger's monitoring reports. If the Discharger proposes to use methods or test procedures other than those included in the most current version of 40 CFR part 136, "*Guidelines Establishing Test Procedures for the Analysis of Pollutants; Procedures for Detection and Quantification*," the exact methodology must be submitted for review and must be approved by the San Diego Water Board prior to use.
- G. 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.
- H. 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 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 San Diego Water Board. Records of monitoring information shall include the following:
1. The date, exact place and time of sampling or measurements.
 2. The individual(s) who performed the sampling or measurements.
 3. The date(s) analyses were performed.
 4. The individual(s) who performed the analyses.
 5. The analytical techniques or methods used.

- 6. The results of such analyses.
 - I. 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.
 - J. The Discharger shall report all instances of noncompliance with Order No. R9-2015-0012 in monitoring reports submitted to the San Diego Water Board.
 - K. The monitoring reports shall be signed by an authorized person as required by Section IV.A.16 (Standard Provisions) of Order No. R9-2015-0012.
 - L. 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.
 - M. 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. R9-2015-0012 that could result in enforcement action depending on the frequency of such instances and efforts by the Discharger to prevent such failures.

II. INFLUENT MONITORING

A sample of the influent entering the OWTS/ATU shall be collected and analyzed for total nitrogen in accordance with the criteria specified in Table 1 below:

Table 1. Influent Monitoring¹

Constituent	Units	Sample Type	Sampling Frequency ²	Reporting Frequency ³
Total Nitrogen (as N)	mg/L	Grab	Quarterly	Annually

¹Influent and effluent samples shall be collected on the same day.

²Quarterly is defined as once per three consecutive month period beginning with January, April, July, or October.

³Annually is defined as once per calendar year.

III. EFFLUENT MONITORING

Samples of the final effluent shall be collected from the OWTS/ATU prior to discharge to the disposal system. The Discharger is responsible for monitoring and reporting in accordance with the following criteria.

Table 2. Effluent Monitoring¹

Constituent	Units	Sample Type	Sampling Frequency ²	Reporting Frequency ³
Flow Rate	mgd	Continuous	Continuous	Annually
Biological Oxygen Demand (BOD, 5 day @ 20 degrees celsius)	mg/L	Grab	Quarterly	Annually
Total Suspended Solids (TSS)	mg/L	Grab	Quarterly	Annually
Total Dissolved Solids (TDS)	mg/L	Grab	Quarterly	Annually
pH	pH Units	Grab	Quarterly	Annually
Total Nitrogen (as N)	mg/L	Grab	Quarterly	Annually
Chloride	mg/L	Grab	Quarterly	Annually
Sulfate	mg/L	Grab	Quarterly	Annually

¹Influent and effluent samples shall be collected on the same day.

²Quarterly is defined as once per three consecutive month period beginning with January, April, July, or October.

³Annually is defined as once per calendar year.

IV. GROUNDWATER MONITORING

Groundwater samples from the onsite groundwater supply wells shall be collected and analyzed in accordance with criteria specified in Table 3 below:

Table 3. Groundwater Monitoring

Constituent	Units	Sample Type	Sampling Frequency ¹	Reporting Frequency ²
Total Dissolved Solids (TDS)	mg/L	Grab	Quarterly	Annually
Total Nitrogen (as N)	mg/L	Grab	Quarterly	Annually

¹Quarterly is defined as once per three consecutive month period beginning with January, April, July, or October.

²Annually is defined as once per calendar year.

V. MAINTENANCE AND INSPECTION

- A. The Discharger shall inspect septic tanks annually and report the sludge depth and scum thickness (in feet) in each compartment annually.
- B. A record of inspections and maintenance activities shall be maintained by the Discharger for a minimum of five years. Records must include the date of the inspection and/or maintenance, and a summary of all observations or activities.

VI. 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 at the facility and a report summarizing the data shall be submitted annually.

VII. REPORTING REQUIREMENTS

- A. The Discharger shall submit an annual monitoring report containing the results of all monitoring specified in Sections II, III, and IV of this MRP. Annual monitoring reports must include the results of all required monitoring using USEPA-approved test methods or other test methods specified in this Order. If the Discharger monitors any pollutant more frequently than required by this Order, the results of this monitoring shall be included in the calculations and reporting of the data submitted in the annual monitoring report.
- B. Laboratory reporting limits shall be lower than or equal to the discharge specifications. Constituents not detected below the method detection limit shall be reported as non-detect with the applicable value (e.g. ND<0.05 mg/L). Constituents detected between the laboratory reporting limit and method detection limit shall be reported as "estimated concentrations" or noted with appropriate laboratory flags.
- C. The annual monitoring report must be received by the San Diego Water Board no later than **5:00pm on January 30 each year**. The annual monitoring report must include the following:
 1. Influent, effluent, and groundwater analysis results arranged in a tabular format. The data shall be summarized to clearly illustrate whether the OWTS/ATU is operating in compliance with discharge specifications.
 2. A cover letter to the annual monitoring report. The information contained in the cover letter shall clearly identify violations of the Order; trends in water quality monitoring data, discuss corrective actions taken or planned; and the proposed time schedule for corrective actions. Identified violations must include a description of the requirement that was violated and a description of the violation.
 3. A summary of all observations and activities completed for inspection and/or maintenance of the OWTS/ATU.

4. A log of alarm notifications (specifying the date and time of alarm notifications) sent from the telemetric alarm, and a description of corrections or repairs made in response to alarm notifications.
 5. A log of the type, quantity, location, and manner of disposal of solids removed in the course of sewage treatment pursuant to Section VI of this MRP.
- D. Annual monitoring reports must be submitted to the San Diego Water Board to the address listed below, or as directed by the Executive Officer.

California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, California 92108
Attn: Supervisor Land Discharge Unit

In the event the San Diego Water Board changes offices, the new office address can be found on the following web page.

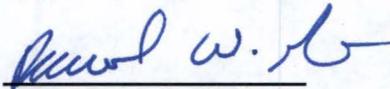
http://www.waterboards.ca.gov/sandiego/about_us/contact_us/

All monitoring reports shall be submitted to the San Diego Water Board by email. This reporting requirement should begin with the first submittal of a regular monitoring report required by this Order and includes information provided in monitoring reports, technical reports, applications, public comments, etc. The email submittal of reporting information must include a signed cover/transmittal letter (with the facility name, facility contact information, and permit number) and be sent via email to sandiego@waterboards.ca.gov.

Information required by this Order shall be emailed to sandiego@waterboards.ca.gov, but it does not replace routine email correspondence that may be sent to individual San Diego Water Board staff members. San Diego Water Board staff may request that specific individual items such as large drawings or maps continue to be provided in paper format. Documents that are 50 megabytes or larger should be transferred to a disk and mailed to the San Diego Water Board. All correspondence and documents submitted to the San Diego Water Board shall include the reference code "<staff name>" in the header or subject line, where "<staff name>" is the first initial and last name of the San Diego Water Board case manager.

- E. Annual monitoring reports must be signed and certified as described in Section IV. A.14 of the Order. 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."

Ordered by: 
David W. Gibson
Executive Officer
DATE: February 11, 2015