

EXECUTIVE OFFICER SUMMARY REPORT  
August 12, 2009

- ITEM: 9
- SUBJECT: NPDES Permit Reissuance: Waste Discharge Requirements for the U.S. Navy, Naval Base San Diego (including the Graving Dock) Discharge to San Diego Bay (Tentative Order No. R9-2009-0100, NPDES Permit No. CA0109169) (*Vicente Rodriguez*)
- PURPOSE: To hold a public hearing and receive comments from interested parties and interested persons regarding the tentative NPDES permit for waste discharge requirements for The United States Department of the Navy at Naval Base San Diego (Discharger).
- PUBLIC NOTICE: Notices for this hearing and availability of the tentative Order were sent by mail and email on July 9, 2009 to all known interested parties and interested persons for review and comments. A newspaper notice was published in the San Diego Union Tribune on June 28, 2009. Copies of the tentative Order have been made available for public review at the San Diego Regional Water Quality Control Board office and were posted on the San Diego Regional Board's web site on July 13, 2009. These procedures served as the 30-day official public notification for this action, as required by 40 CFR (Code of Federal Regulations) 124.10.
- This tentative Order (R9-2009-0100) is a revised version of a previous draft that was initially noticed and made publicly available in May 2008 (R9-2008-0061). The changes from the May 2008 version are shown in underline/strikeout format.
- DISCUSSION: The United States Department of the Navy (hereinafter Discharger) is currently discharging pursuant to Order No. R9-2002-0169 and National Pollutant Discharge Elimination System (NPDES) Permit No. CA0109169. The Discharger submitted a Report of Waste Discharge, dated June 18, 2007, and applied for a NPDES permit renewal to discharge steam condensate; pier boom, fender, and mooring cleaning;

utility vault and manhole dewatering; weight test water; and miscellaneous discharges associated with facility maintenance at numerous discharge locations from Naval Base San Diego, hereinafter Facility. The application was deemed complete on March 27, 2008.

The Discharger manages several installations in the San Diego area. These installations are aligned into three major naval bases, including the Facility, Naval Base Coronado (NBC), and Naval Base Point Loma (NBPL). The Facility is comprised of the following installations: Naval Base San Diego – main base (NBSD; formerly known as Naval Station San Diego or NAVSTA), Broadway Complex, Mission Gorge Recreational Facility (MGRF; also known as Admiral Baker Field), and the Naval Medical Center, San Diego (NMCSA).

Of the four installations aligned under the Facility, only NBSD has discharges subject to NPDES permitting.

Wastewater is discharged from Discharge Point Nos. SC-001 through SC-175 (steam condensate), BW-001 (pier boom, fender, and mooring cleaning), UV-001 through UV-015 (utility vault and manhole dewatering), WT-001 through WT-013 (weight test water NBSD-001 through NBSD-266 (industrial storm water), to the San Diego Bay, a water of the United States. See Table 2 on the cover page for discharge location information.

The Discharger also operates a graving dock, at which ship modification, repair, and maintenance activities are performed. Discharges from the Facility to the San Diego Bay include saltwater supply system water, graving dock flood dewater, and graving dock caisson gate ballast water, and industrial storm water.

A description of each discharge is provided in section II.A of Attachment F (Fact Sheet) to this Order. Figure B-1 of Attachment B provides a map of the area around the Facility. Attachment C provides flow schematics for the Facility.

To date, the Regional Board has received comments from The Navy (see Supporting Document 4). Copies of all comments received, responses to comments, and any errata to the tentative Order will be provided to the Regional Board in the second agenda mailing.

COMPLIANCE  
RECORD:

To be provided in the second agenda mailing.

LEGAL CONCERNS:

None

SUPPORTING DOCS:

1. Location Map
2. Underline/Strikeout Tentative Order No. R9-2009-0100
3. Tentative Order transmittal letter to discharger and interested parties, dated July 9, 2009
4. US Navy Comment Letter dated July 29, 2009.  
Enclosure 1 not included because it is too large.

SIGNIFICANT CHANGES  
FROM CURRENT ORDER:

1. The Industrial Storm Water Acute toxicity effluent limit was changed as follows:
  - a. Order No. R9-2002-0169:

In a 96-hour static or continuous flow bioassay test, the discharge shall not produce less than 90% survival, 50% of the time, and not less than 70% survival, 10% of the time, using a standard test species and protocol approved by the Regional Water Board. Numerical effluent limits are sampled twice a year and toxicity is sampled at least once a year. This requirement was based on language from the 1974 Enclosed Bays and Estuaries Policy.
  - b. Tentative Order No. R9-2009-0100:

Discharges of storm water shall achieve a rating of "Pass" for acute toxicity with the determination of Pass or Fail from a single-effluent-concentration (paired) acute toxicity test is determined using a one-tailed hypothesis test called a t-test. The objective of a Pass or Fail test is to determine if survival in the single treatment (100% effluent) is significantly different from survival in the control (0% effluent). The survival rate in the effluent toxicity must not be less than 5% of survival rate in the control sample, using standard statistical methods. Numerical effluent limits and toxicity are sampled at least twice a year. This requirement was based on language from the 1974 Enclosed Bays and Estuaries Policy,

the Basin Plan, EPA guidance document "Understanding and Accounting for Method Variability in Whole Effluent Toxicity Applications Under the National Pollutant Discharge Elimination System Program (EPA/833/R-00/003, 2000), EPA document Methods for Measuring Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (5 th Edition); (EPA-821-R-02-012, 2002), and the results and comments from the Navy study "Storm Water Toxicity Evaluation Conducted at: Naval Station San Diego, Naval Submarine Base San Diego, Naval Amphibious Base Coronado, and Naval Air Station North Island, dated May 2006."

2. Inclusion of US Navy Graving Dock Order No. R9-2003-0265 into this permit.

RECOMMENDATION: Staff recommends the adoption of tentative Order No. R9-2009-0100.