

EXECUTIVE OFFICER SUMMARY REPORT  
April 12, 2006

- ITEM: 5
- SUBJECT: NPDES Permit Revisions: Southern California Edison, San Onofre Nuclear Generating Station (Unit 2, tentative Addendum No. 1 to Order No. R9-2005-0005, NPDES Permit No. CA0108073; Unit 3, tentative Addendum No. 1 to Order No. R9-2005-0006, NPDES Permit No. CA0108181) (*Brian Kelley*)
- PURPOSE: To consider adoption of the subject tentative Addenda No. 1 which would increase the permanent dewatering and yard drain discharges through the ocean outfalls of Unit 2 and Unit3 to the Pacific Ocean.
- PUBLIC NOTICE: A Notice of Public Hearing was published in the San Diego Union and the Register of Orange County on February 1, 2006 (Attachment 2). The Agenda for the April 12, 2006 Regional Board meeting was distributed to the public by mail on March 17, 2006. Copies of the subject tentative Addenda were sent to the discharger (via certified mail) and all interested parties on March 7, 2006 and made available at the Regional Board's web site and office for review thereafter (Attachment 3).
- DISCUSSION: Orders No. R9-2005-0005 and No. R9-2005-0006 prescribe a flow limitation of 1,287 MGD for discharges of cooling water and in-plant low volume waste streams from each of SONGS Units 2 and 3 ocean outfalls to the Pacific Ocean. These discharges include various waste streams from SONGS Unit 1, which is currently being decommissioned. Specifically, the flow limitations for the Units 2 and 3 ocean outfalls currently allow discharges of up to 0.864 MGD of dewatering and 0.360 MGD of yard drain waste streams from Unit 1.
- In November 2005 Southern California Edison (SCE) requested that the flow limitations in both NPDES permits be modified to allow an increase in the flow from the Unit 1 dewatering waste stream discharge to 3.75 MGD and an increase in the flow from the Unit 1 yard drains waste stream to 8.64 MGD.
- SCE reported that the revisions are necessary for decommissioning project and for preventing flooding at Unit 1.

The original dewatering flow rate was based on SCE's estimate of dewatering needs during the decommissioning process, and as the scope became clearer, discharging up to 3.75 MGD is needed to remove some structures. SCE further reported that the existing Unit 1 yard drain sump is incapable of handling storm water from a major rain event. With the exception of the amount of flows, the characteristics of both the dewatering waste stream and the yard drain waste stream will not change. The total requested flow rate increase is 11.17 MGD which is less than one percent of the total permitted flow of up to 1,287 MGD at each ocean outfall.

If adopted, tentative Addenda No.1 to Orders No. R9-2005-0005 and No. R9-2005-0006 would increase the flow rate limitations for the Unit 1 dewatering waste stream discharge from 0.864 MGD to 3.75 MGD, and for Unit 1 yard drains waste stream discharge from 0.360 MGD to 8.64 MGD, as well as mass-based effluent limitations for Total Suspended Solids, Oil and Grease, toxic and carcinogen pollutants as described in Section III, C2 and C3. No significant water quality change is expected to the receiving water due to historically low pollutant concentrations (lower than the effluent limitations) and immeasurable change in the total effluent concentrations.

**KEY ISSUES:**

1. The increase of flow rates will not change waste stream characteristics;
2. No significant water quality change is expected to the receiving water;
3. The revisions are necessary for decommissioning project and preventing flooding at Unit 1.

**LEGAL CONCERNS:** None.

**COMPLIANCE RECORD:** In the past, there have been no flow rate or mass loading violations.

**SUPPORTING DOCS:**

- 1) Maps showing the location of the treatment facility.
- 2) Proof of Publication
- 3) Tentative Addenda No.1 to Orders No. R9-2005-0005 and No. R9-2005-0006, with transmittal letter.
- 4) SCE letter dated November 15, 2005.

**SIGNIFICANT CHANGES:** None.

**RECOMMENDATION:** Adoption of tentative Addendum No. 1 to Order No. R9-2005-0005, and tentative Addendum No. 1 to Order No. R9-2005-0006 is recommended.

## ATTACHEMENT 1

Map Showing the Location of the Facility

## ATTACHEMENT 2

Proof of Publication

## ATTACHEMENT 3

Tentative Addenda No.1 to Orders No. R9-2005-0005 and No. R9-2005-0006  
with transmittal letter

## ATTACHEMENT 4

SCE Letter Dated November 15, 2005