

**State of California
California Regional Water Quality Control Board
Santa Ana Region**

February 8, 2019

ITEM: 11

SUBJECT: Proposed Huntington Beach Desalination Plant (Poseidon) Update

Summary:

On June 30, 2016, Poseidon submitted the Report of Waste Discharge for renewal of the permit for the Huntington Beach Desalination Plant (HBDP), Order No. R8-2012-0007, NPDES No. CA8000403 Waste Discharge Requirements for Poseidon Resources (Surfside) L.L.C., Huntington Beach Desalination Facility. Poseidon proposes to construct and operate the HBDP on twelve acres located adjacent to the Applied Energy Services Huntington Beach Generating Station. HBDP will produce an average annual volume of 50 million gallons per day (mgd) of potable water. The treatment process requires an intake of seawater averaging 106.7 mgd and a discharge of wastewater averaging 56.69 mgd.

On May 6, 2015, the State Water Resources Control Board adopted an amendment to the Water Quality Control Plan for Ocean Waters of California (Ocean Plan) to address environmental impacts associated with the construction and operation of seawater desalination facilities that was approved by USEPA on April 7, 2016. The renewal of the NPDES permit must also comply with the requirements in the Ocean Plan and therefore Board staff is working on the compliance determination with the Ocean Plan, specifically Water Code section 13142.5(b).

For this item, Board staff will provide an update on the status of the development of waste discharge requirements for the proposed HBDP including compliance with requirements of the Ocean Plan.

Recommendation:

This is an information item - no action is required.