

Various marine assessments and marine studies related to reverse osmosis

Aruba, 2008-2015

Client info:



Name: Water en Energie Bedrijf Aruba (WEB)

Sector: Power/Utility

Location: Aruba

WEB is the Aruban production company for electricity and drinking water.



Rationale: WEB Aruba planned to go over from evaporation techniques to reverse osmosis (RO). In 2008 their first RO plant came in operation. In 2015 they completed the switch over to RO by the opening of their third RO plant.

Approach: For both RO-1 and RO-2 a marine baseline study and a modelling of the brine outfall has been conducted. Based on the study results recommendations regarding location, depth and offshore distance of the brine outfall were drafted.

Outcome: All 3 RO-plants are in operation. All recommendations were implemented.