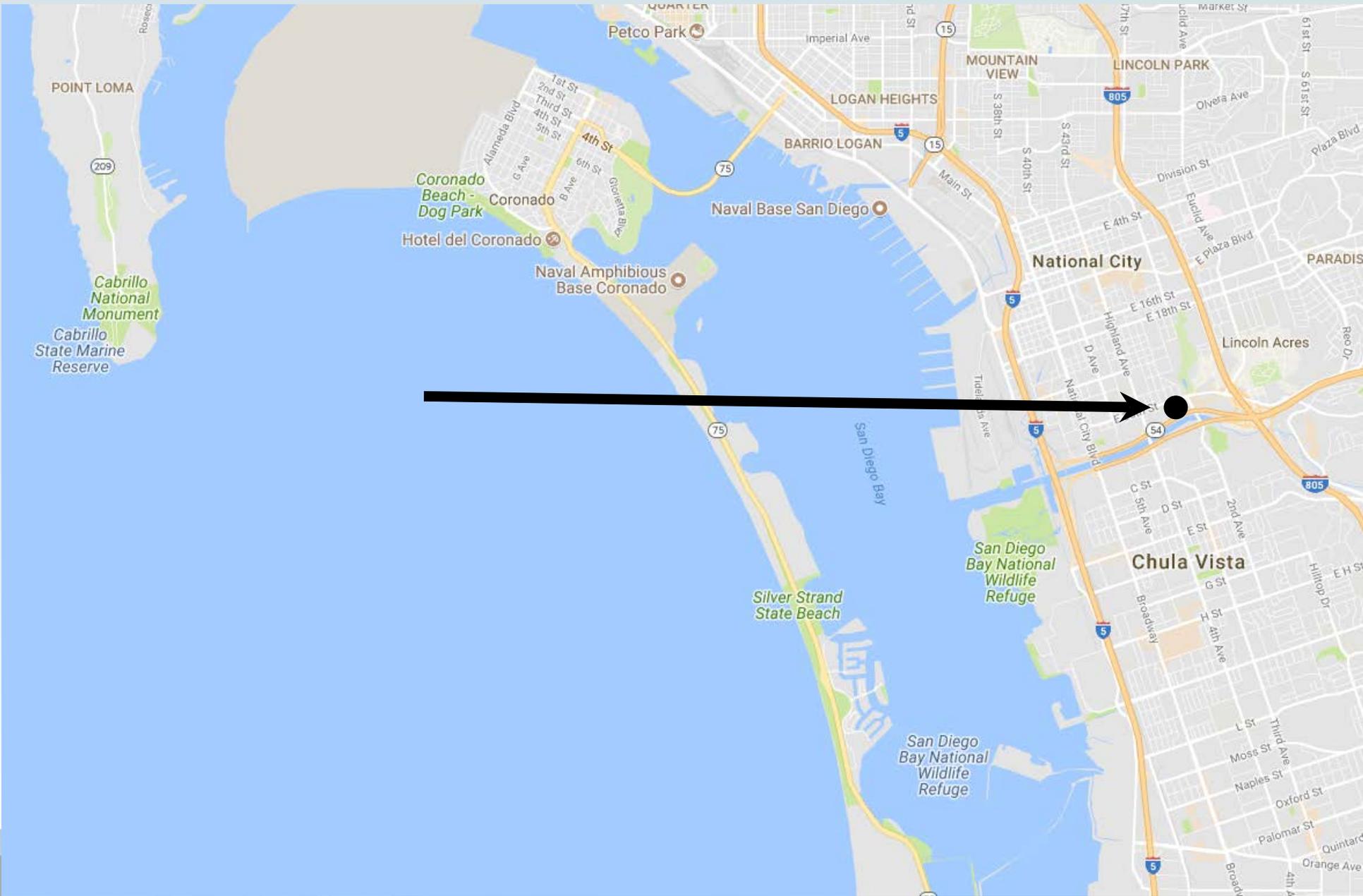


NPDES Permit Reissuance for the Richard A. Reynolds Desalination Facility Discharge to the Lower Sweetwater River

Vicente Rodriguez
Source Control Regulatory Unit







Discharge Point
001b

001a
Emergency/
Maintenance
Discharge

Sweetwater River

Lower Sweetwater River Beneficial Use

Key Beneficial Uses (R9-2017-0030)

- REC1 - Contact Water Recreation (Potential)
- REC2 - Non-contact Water Recreation
- WARM - Warm Freshwater Habitat
- WILD - Wildlife Habitat

Other Beneficial Use

- IND Industrial Service Supply

Lower Sweetwater River Monitoring Results

- Discharge at 001b March 2014 - August 2016
- Copper and cyanide concentrations exceed water quality criteria
- Benthic macroinvertebrates vary seasonally



Development of Tentative Order

- Public Release: March 30, 2017
- Comments Due: May 1, 2017
- Comments Received
 - Sweetwater Authority



Sweetwater Authority Comments

Effluent Limitations

Comment:

Remove effluent limitations, and retain performance goals for several constituents. Remove requirements related to groundwater extraction wells.

Response:

- Effluent limitations retained for copper, selenium, and cyanide
- Effluent limitations replaced with performance goals for synthetic organic compounds
- Effluent limitations and performance goals removed for all groundwater well discharges (Revised Errata)

Sweetwater Authority Comments Pollutant Minimization Program (PMP)

Comment:

Remove PMP requirement

Response:

- PMP requirements retained
- Additional discussion added to the Fact Sheet



Sweetwater Authority Comments

Receiving Water and Sediment Monitoring

Comment:

Remove receiving water and sediment monitoring requirements

Response:

- Receiving water monitoring requirements retained
- Sediment monitoring requirements retained
- Additional discussion added to the Fact Sheet



Sweetwater Authority Comments

Test of Significant Toxicity (TST)

Comment:

Replace requirement to analyze toxicity data with the TST statistical approach with a requirement to instead use the No Effects Concentration (NOEC) statistical approach

Response:

- Requirement mandating the use of TST retained



Sweetwater Authority Comments

Case-by-Case Exception

Comment:

Add a State Implementation Policy section 5.3 reopener

Response:

- Categorical Exception does not apply
- Discharger must pursue Case-by-Case Exception directly with the State Water Board
- Existing reopeners sufficient to reopen Tentative Order if necessary



**Recommend adoption of
Revised Tentative Order No.
R9-2017-0020 with revised
errata**

