

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

STAFF SUMMARY REPORT (Ann M. Powell)
MEETING DATE: MAY 18, 2005

ITEM 5A

SUBJECT: **GWF Power Systems L.P., East Third Street Power Plant, Pittsburg, Contra Costa County – Reissuance of NPDES Permit**

CHRONOLOGY: 1999 – Permit reissued

DISCUSSION: This item and item number 5B propose to reissue the permits for two nearly identical power plants owned and operated by GWF Power Systems. This item is for the East Third Street (Site I) Power Plant in Pittsburg. The main difference between the two is the receiving water. This site discharges to New York Slough, which is a drinking water source, whereas the other does not. Site I uses petroleum coke combustion to generate up to 18.2 megawatts of electricity.

It discharges, on average, approximately 43,650 gallons per day to New York Slough through a deepwater diffuser. The discharge is made up of cooling tower blowdown, boiler/steam condensate, reverse osmosis demineralizer wastewater, equipment wash-down water and/or storm water runoff. The cooling water comes from a municipal supply, not Bay water intakes. Chemicals added to the cooling water include a bromine-based compound to control microorganisms within the cooling tower and sulfuric acid for neutralization.

We did not receive any comments on the Tentative Order.

**RECOMMEN-
DATION:** Adoption of the Tentative Order

FILE NUMBER: 2119.1170

APPENDICES: A. Tentative Order

APPENDIX A
TENTATIVE ORDER