

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** 5B

**SUBJECT:** **GWF Power Systems L.P., Nichols Road Power Plant, Bay Point, Contra Costa County – Reissuance of NPDES Permit**

**CHRONOLOGY:** 1999 – Permit reissued

**DISCUSSION:** This item and item number 5A propose to reissue the permits for two nearly identical power plants owned and operated by GWF Power Systems. This item is for the Nichols Road (Site V) Power Plant in Bay Point. The main difference between the two is the receiving water. This site discharges to Suisun Bay. Site V also uses petroleum coke combustion to generate up to 18.2 megawatts of electricity.

It discharges, on average, approximately 46,000 gallons per day to Suisun Bay 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