

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

STAFF SUMMARY REPORT (Vincent Christian)
MEETING DATE: July 14, 2010

ITEM: 5B

SUBJECT: **GWF Power Systems, L.P., Nichols Road (Site V) Power Plant, Pittsburg, Contra Costa County** – Reissuance of NPDES Permit

CHRONOLOGY: May 2005 – NPDES Permit Reissued

DISCUSSION: This Revised Tentative Order (Appendix A) would reissue the NPDES permit for GWF's Nichols Road 18.2 megawatt power plant. The plant burns coke to produce high pressure steam that drives turbines to generate power. The steam from the turbines is condensed before reheating in the boilers. Cooling water is used to condense the steam, and this water is itself cooled in a cooling tower. To avoid a build up of solids in the cooling water, a fraction is drained and discharged, along with other minor wastewater discharges, to a deep water outfall in Suisun Bay. The total daily discharge from all sources in the plant does not exceed 0.125 million gallons per day.

GWF submitted numerous comments (Appendix B) on the tentative order, and we prepared responses (Appendix C) to these comments and revised the tentative order where it was appropriate to do so.

We expect this item to be uncontested.

CIWQS Place ID: 228580

Appendices: A. Revised Tentative Order
B. Comments
C. Response to Comments