

SUPPLEMENTAL

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

STAFF SUMMARY REPORT (Vincent Christian)
MEETING DATE: September 10, 2008

ITEM: 6A — Supplemental

SUBJECT: **GE-Hitachi Nuclear Energy Americas, LLC, Vallecitos Nuclear Center, Sunol, Alameda County** – Rescission of NPDES Permit and Issuance of New Waste Discharge Requirements

DISCUSSION: Based on discussions with GE-Hitachi, we propose a modification to Prohibition A.7 of the Revised Tentative Order to allow incidental discharges of rinse water in laboratory sinks and occasional drainage of high temperature loops. The intent of the original prohibition was to prevent the gross discharge of chemicals into laboratory sinks, but we recognize that some incidental amounts of chemicals will be present in rinse water, along with soaps and household cleaners, when GE-Hitachi routinely cleans its labware and equipment. Another source of incidental chemical discharge is from its high temperature loops that use trace amounts of metals (e.g., platinum, rhodium) to minimize corrosion. This is a closed loop system, but periodically this system is drained for maintenance and may contain trace amounts of these chemicals. Given that GE-Hitachi's future discharges of treated wastewater will be solely to land, we do not expect this modification to cause any water quality impacts.

Therefore, we propose the following modification to Prohibition A.7. Insertions are underlined and deletions are in ~~striketrough~~.

7. No chemicals pollutants may be discharged into any of the laboratory sinks. Residual/trace amounts of chemicals from cleaning (e.g., soap, household cleaners) may be discharged into the sinks. Also, trace amounts of metals from occasional drainage of the high/temperature loops are authorized.