

STATE OF CALIFORNIA  
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
STATE WATER RESOURCES CONTROL BOARD

**DIVISION OF WATER RIGHTS**

**ORDER WR 2008-0012-DWR**

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In the Matter of Application 30454  
**County of Sacramento and Sacramento County Water Agency**

**ORDER APPROVING ISSUANCE OF PERMIT**

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SOURCE: Sacramento River  
COUNTY: Sacramento County

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**WHEREAS:**

1. Application 30454 was filed with the State Water Resources Control Board (State Water Board) on June 13, 1995.
2. All protests to approval of the application have been resolved. Protest resolution resulted in inclusion of standard permit terms 80, 90 and 91.
3. The State Water Board has determined that there is unappropriated water available to serve Application 30454 based on Freeport Regional Water Project Draft Environmental Impact Report/ Environmental Impact Statement (EIR/EIS) (SCH # 2002032132), Volume 3: Modeling Technical Appendix, July 2003. The Applicant provided a CALSIM II modeling study. The modeling team members included staff from CH2M Hill, East Bay Municipal Utilities District, Flow Science, Jones & Stokes, Montgomery Watson Harza, Sacramento County Water Agency, and the U.S. Bureau of Reclamation (Reclamation). The version of CALSIM II used for the EIR/EIS is the same as currently being used by Reclamation for the Long-Term CVP Operations Criteria and Plan.

River flow results from the CALSIM II studies were used to simulate water quality within the Sacramento/San Joaquin Delta utilizing the Fisher Delta Model (FDM). Delta Simulation Model II, a hydrodynamic and water quality model developed by the Department of Water Resources, and the empirical G-model were utilized to confirm the FDM modeling results.

CALSIM II river flow and reservoir storage results were used as input to Reclamation's temperature models, which were used to simulate water temperature in key surface water bodies within north and central California.

4. The water will be diverted and used without injury to any lawful user of water, based on the EIR/EIS, Volume 3, Modeling Technical Appendix. All prior right protests have been resolved.
5. The Applicant requests a right to directly divert 132 cubic feet per second throughout the year for municipal purpose to serve the Sacramento County Zone 40 service area. This purpose of use is beneficial.