

ITEM: 26

SUBJECT: City of Davis, Yolo County

BOARD ACTION: *Consideration of NPDES Permit Renewal*

BACKGROUND: The City of Davis (Discharger) owns and operates a wastewater treatment plant (WWTP) that provides sewerage service for the City of Davis, and serves a population of approximately 65,000. The existing treatment system consists of headworks, primary sedimentation, aeration ponds, oxidation ponds, a Lemna (an aquatic plant) pond, an overland flow system, disinfection and dechlorination, wetlands, anaerobic digesters, and sludge lagoons. Wastewater is discharged through either of two outfalls, eventually reaching the Yolo Bypass.

The proposed NPDES Permit Renewal requires the Discharger to upgrade the WWTP to provide tertiary or equivalent treatment and nitrification/denitrification. The maximum permitted flow rate and discharge points will remain the same as currently allowed in the existing NPDES permit. The proposed permit also prohibits the current practice of applying biosolids to the overland flow system.

ISSUES: The major issues are:

1. The need for Tertiary Treatment for pathogen removal
2. The compliance schedule for Tertiary Treatment
3. Salinity and Selenium Limitations
4. Dioxin limitations and compliance schedules
5. Biosolids disposal
6. Selection of a hardness value for effluent limit calculation
7. The need for mass effluent limitations
8. Technical correction to ammonia limitations

These issues are discussed in the attached Staff Report.

Mgmt. Review
Legal Review
21/22 June 2007
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