

**STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION**

STAFF REPORT FOR REGULAR MEETING OF DECEMBER 7-8, 2017

Prepared on November 14, 2017

ITEM NUMBER: 17

SUBJECT: Nutrient Removal Using Wood-Chip Bioreactor

STAFF CONTACT: Harvey Packard, 805/542-4639, Harvey.packard@waterboards.ca.gov

THIS ACTION: Informational

DISCUSSION

The State Water Resources Control Board and the Central Coast Water Board fund and manage grant programs to implement agricultural water quality management practices. The City of Santa Maria recently completed a woodchip biofilter designed to remove nitrate from Bradley Ditch, which drains over 5,000 acres of irrigated farmland southeast of the city.

The project is complete, and the city will continue to maintain the project and monitor the results. Preliminary results show that nitrate leaving the filter meets the drinking water standard of 10 mg/L as N.

Shannon Sweeney, Water Resources Manager for the city, will present the results of the grant project at the board meeting.

Additional information can be found in the Final Project Summary and at the city's website here: <http://jimmayparkbiofilter.org/>

ATTACHMENT

1. Final Project Summary