

2014 BOARD OF DIRECTORS

Wade Harper, City of Antioch Mayor

Federal Glover, Contra Costa County Board of Supervisors

Nancy Parent, City of Pittsburg City Council

Gary W. Darling, General Manager

The District At A Glance:

- Operates 24-hours a day, seven days a week, 365 days per year
- 2012 and 2008 Best Medium-Sized Wastewater Treatment Plant in California Award from the California Water Environment Association
- Serves nearly 200,000 residents in Antioch, Bay Point, and Pittsburg
- 54 square mile service area
- Average daily wastewater flow is 14.6 mgd
- Operates one of the largest industrial recycled water plants in California
- Performs street sweeping functions
- Conducts storm water inspections
- Undertakes Pre-treatment/Pollution Prevention Program for industrial customers
- Manages Delta Household Hazardous Waste Collection Facility for 97,000 East Contra Costa County households
- Actively exploring new renewable energy sources: biosolids-to-energy, solar, and grease-to-energy
- Lead agency for four regional Coalitions:
 - Western Recycled Water Coalition (22 agencies)
 - Bay Area Biosolids to Energy (19 agencies)
 - East County Household Hazardous Waste (7 agencies)
 - East County Integrated Regional Water Management (11 agencies)

September 2014

Delta Household Hazardous Waste Collection Facility

Open Thursday, Friday & Saturday (except Holidays)
9:00 a.m. – 4:00 p.m.

FREE to all East County residents

Small businesses, please call for more information

The facility accepts household hazardous wastes, such as prescription and non-prescription medications, used oil and filters, anti-freeze, latex, and oil-based paints and stains, lead-acid and household batteries, fluorescent and high intensity lamps, cosmetics, pesticides, pool chemicals, household cleaners, cooking oil and grease, and electronic waste, such as computers and televisions.

We encourage residents to visit our FREE "Re-Use Room" and take home perfectly good used and (sometimes new) household products, such as paints and cleansers.



Wastes NOT accepted at any time: radioactive materials, medical waste (except sharps), controlled substances, explosives, and compressed gas cylinders (other than propane and helium).

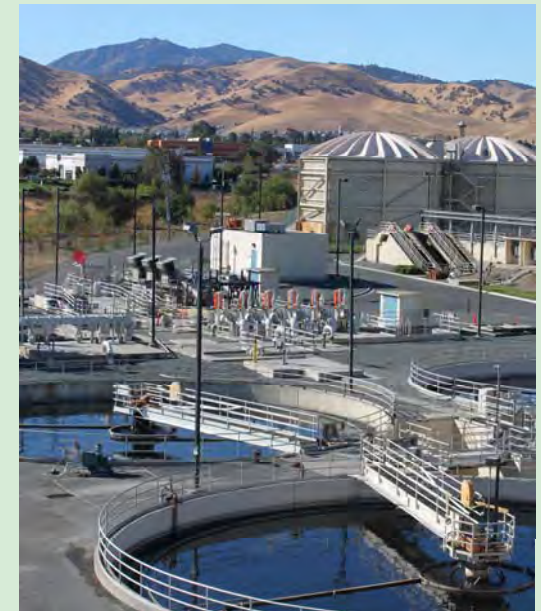
For more information, please visit www.deltadiablo.org or call 925.756.1990.

2013 Platinum Peak Performance 10 Award Winner

The District received this prestigious award from the National Association of Clean Water Agencies. It acknowledges public wastewater treatment facilities for 100% operating compliance with its National Pollutant Discharge Elimination System (NPDES) permit for over ten consecutive years.

Achieved by only 1% of wastewater treatment operations nationwide, this recognizes the District is fully compliant with Environmental Protection Agency (EPA) wastewater treatment regulations – no violations at our treatment facility for the past ten years.

 **Transforming Wastewater to Resources**



**2500 Pittsburg-Antioch Highway
Antioch, CA 94509
925.756.1900
www.deltadiablo.org**

FACTS

Delta Diablo (the District) was originally formed in 1976 to protect the health of the public and the environment by collecting and effectively treating wastewater. Treated effluent is discharged into New York Slough, a section of the San Joaquin River. The District's largest asset is its staff of dedicated employees who keep the system running 24 hours a day, 365 days a year, serving nearly 200,000 East County residents in Antioch, Bay Point, and Pittsburg.

The District's wastewater service area encompasses 54 square miles. We maintain 49 miles of underground pipeline collection systems in Bay Point (Pittsburg and Antioch maintain their own collection systems.) The wastewater treated by the District originates from different types of users; residential users make up 85%, industrial users 5%, and commercial users 10%. In 2013, Delta Diablo's average daily wastewater flow was 14.6 million gallons per day (mgd); the plant is capable of treating up to 16.5 mgd. Once the wastewater arrives at the treatment plant from the collection system, it is treated using physical and biological processes that remove organic and inorganic material, bacteria, and other harmful substances. The wastewater is thoroughly treated and tested before it is released into the river. This treated water meets all standards set by federal and state governments.

The principal treatment processes include physical settling, biological treatment (trickling towers, aeration basins, and digesters), and chemical disinfection. The biosolids (sludge) are kept in the

digesters at elevated temperatures for several weeks to ensure that no pathogens (germs that make humans sick) can survive. The District uses its biosolids for beneficial land application.

Treating wastewater is a serious task and requires the commitment of highly skilled workers to continually meet rigid regulations. Our Environmental Compliance Specialists effectively regulate the wastewater discharge from business and industry to ensure that hazardous substances (solvents, pesticides, metals, grease, petroleum, oil, and paints) are not discharged into the sewer system.

Storm drains in the District's service area are not part of the wastewater collection system. This is an important distinction because it means that materials emptied into storm drains DO NOT go to the treatment facility for pollution prevention processing. Whatever enters the storm drain system from city streets, such as oil from automobiles, cigarette butts and fertilizers from yard run-off, empties directly into the Delta.

Recycled Water

In 2000, the District started its Recycled Water enterprise to provide recycled water for industrial and landscape uses. Nearly 8 mgd of recycled wastewater is produced and used for cooling at two power-generating plants, as well as landscape irrigation at two golf courses and 12 city parks in our service area. To date, the District has generated over 29 billion gallons of recycled water.



Street Sweeping

Street sweeping is an important pollution prevention function provided in our communities. It is required under state and federal regulations related to the Clean Water Act. State storm water regulations also require street sweeping as a component of our agency's wastewater service program.

Visit our website at www.deltadiablo.org or call 925.756.1900.

ENVIRONMENTAL EDUCATION Partnerships

The District partners with two local educational institutions - Solano Community College and the Regional Occupational Program (ROP) - for the training of wastewater student interns. These partnerships provide a 'hands-on' training opportunity for wastewater students that want to earn training hours towards an industry-required certificate. The student is allowed to experience studies in a real-life, real-work setting that he or she can apply towards obtaining their certification needs.

Student Programs

In 2013, the District sponsored over 1,649 local 5th grade students on the Delta Discovery Voyages onboard the Research Vessel Robert Brownlee. The District also offers treatment plant tours and classroom visits by appointment. Additionally, the District sponsors Science Summer Camps, Science Fairs, and the Community Environmental Fair at the Dow Wetlands.

