



Environmental Management Department Overview

Board of Supervisors
January 24, 2024

Jeffrey Warren, REHS, Director



MISSION STATEMENT

*The mission of the Environmental Management Department is to **protect, preserve, and enhance the public health, safety, and environment** through a balanced program of environmental monitoring and enforcement, innovative leadership, community education, customer service, and emergency response for the citizens of and the visitors to El Dorado County.*



Programs

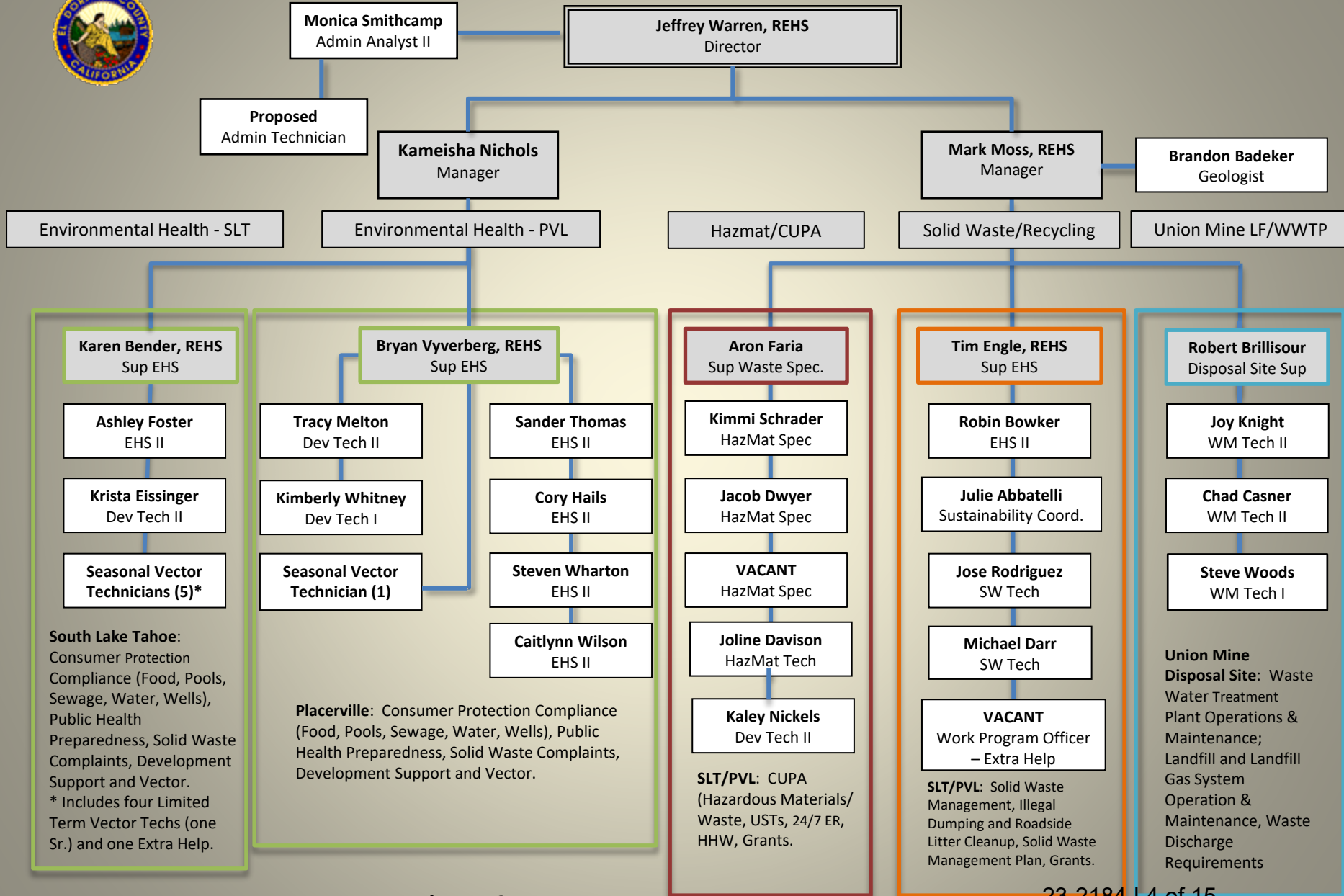
General Fund

- Administration
- Environmental Health
 - Consumer Protection, Land Use & West Slope Vector
- Hazardous Materials
 - CUPA, Emergency Response

Non-General Fund

- Solid Waste / Recycling
- Union Mine Land Fill
- Union Mine WWTP
- Household Hazardous Waste
- East Slope Vector

Environmental Management Department Organizational Chart



South Lake Tahoe:
Consumer Protection Compliance (Food, Pools, Sewage, Water, Wells), Public Health Preparedness, Solid Waste Complaints, Development Support and Vector.
* Includes four Limited Term Vector Techs (one Sr.) and one Extra Help.

Placerville: Consumer Protection Compliance (Food, Pools, Sewage, Water, Wells), Public Health Preparedness, Solid Waste Complaints, Development Support and Vector.

SLT/PVL: CUPA (Hazardous Materials/Waste, USTs, 24/7 ER, HHW, Grants).

SLT/PVL: Solid Waste Management, Illegal Dumping and Roadside Litter Cleanup, Solid Waste Management Plan, Grants.

Union Mine Disposal Site: Waste Water Treatment Plant Operations & Maintenance; Landfill and Landfill Gas System Operation & Maintenance, Waste Discharge Requirements

Total FTE = 34



Environmental Health

- Food Safety
- Recreational Water Safety
- Private Water Wells and Public Small Water Systems
- Septic Systems
- Body Art
- Medical Waste
- Epidemiology
- Inspections
- Complaint Investigations
- Plan Checks
- Food Safety Training
- SB 1383 Education





Hazardous Materials

- Certified Unified Program Agency – CUPA
- Underground Storage Tanks
- Above Ground Storage Tanks
- Hazardous Materials/
Hazardous Waste Permits &
Business Plans
- Household Hazardous Waste
- Grant Programs
- Inspections
- Complaint Investigations
- Plan Checks
- 24/7 Emergency Response
- HHW Collection Events





Solid Waste

- Solid Waste Management Plan
- Construction & Demolition Permits
- Recycling
- Ordinance Enforcement
- Grant Programs
- State Mandated Diversion Programs & Reporting (AB939, AB341, AB1826, SB1383)
- EDSWAC, SLTBWMA, ESJPA



- Inspections
- Complaint Investigations
- Roadside Litter Pickup and Illegal Dumping
- Temporary Sign Abatement
- Oversight of Three Franchise Hauler Agreements



Union Mine Disposal Facility

Wastewater Treatment Plant and Landfill

- **Leachate and Septic Waste Processing and Burial**
- **Surface and Groundwater Monitoring**
- **Landfill Gas Monitoring**
- **Operations and Maintenance**
- **Extensive Mandated Reporting Requirements**





Vector Control

East Slope (CSA 3):

- Mosquitos, Yellow Jackets, Plague
- Source Treatment
- Complaint Response & Service Requests
- Investigation and Surveillance
- Public Education
- Best Management Practices

West Slope:

- Mosquitos
- Complaint Response & Service Requests
- Public Education



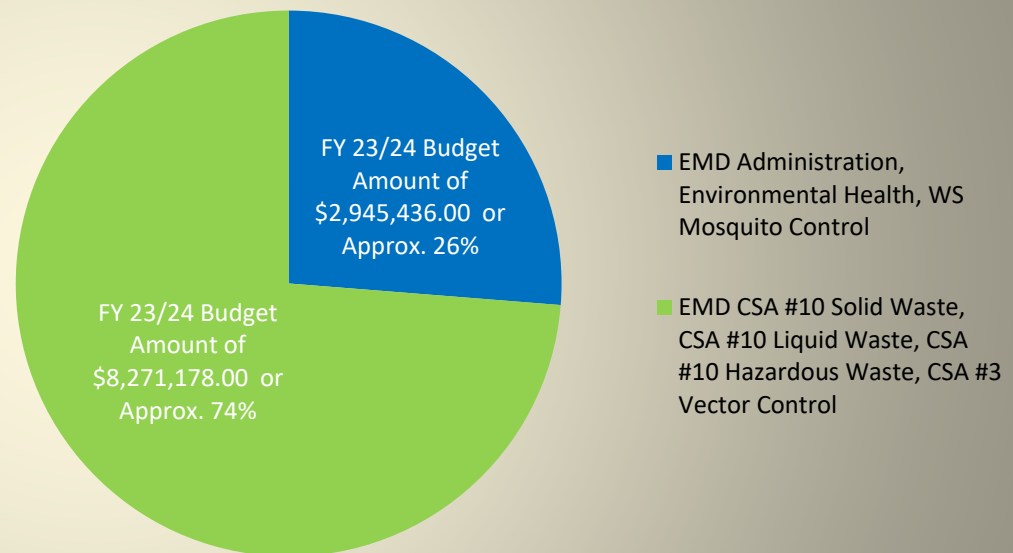


Budget

Environmental Management's Fiscal Year 2023/24 Adopted Budget is \$11,216,614. Of this:

- Approximately 26% is allocated to General Fund Programs, including:
 - EMD Administration
 - Environmental Health – Permit Fees
 - Hazardous Materials – Permit Fees, CUPA/ER
 - WS Mosquito Control
 - Approximately 74% is allocated to Non-General Fund Programs, including:
 - CSA #10 Solid Waste
 - CSA #10 Liquid Waste
 - CSA #10 Hazardous Waste (HHW)
 - CSA #3 Vector Control
 - Franchise Fees
- * This amount also includes a portion of EMD Administrative costs.

Environmental Management General Fund vs. Non-General Fund Programs



Note: Environmental Management continues to operate at a **Zero Net County Cost**.



Service and Performance Indicators for 2023

Environmental Management Inventory

Hazardous Materials

- Hazardous Materials Business Plan – 945
- Hazardous Waste Generator – 468
- Aboveground Petroleum Storage Tanks – 121
- Underground Storage Tanks – 76
- Tiered Permitting – 5

Environmental Health

- Body Art – 24
- General Food Sanitation – 1,495
- General Medical Waste – 18
- General Recreational Health (pools) – 242
- Liquid Waste Haulers – 74
- LPA Small Water Systems - 107

Hazardous Materials

- 179 routine inspections
 - 26 follow-up inspections
- 41 other site visits
- 35 complaints investigated
- 22 Hazmat responses
- 19 CUPA Enforcement Actions

Environmental Health

- 1,344 routine inspections (food)
 - 92 follow-up inspections
- 214 routine inspections (pool)
 - 28 follow-up inspections
- 10 routine inspections (body art)
- 30 Health Permit suspensions
- 30 complaints investigated

Vector Control

East Slope

- Mosquito treatments - 424
- Bee complaints – 313
- Plague surveillance- 1
- Hantavirus Surveillances-2

West Slope

- Mosquito fish requests/deliveries – 44/36
- Mosquito/pool complaints – 43
- Number of human WNV cases reported – 3
- Number of birds tested for WNV – 17; 4 tested positive



Role in the Strategic Plan

- Good Governance:
 - Promote the development of resources to identify and pursue additional revenue including local, state, federal, and private funding for new and existing projects.
- Infrastructure:
 - Analyze needs, coordinate, and plan for County facilities, including ongoing maintenance, operations, and replacement.
 - Encourage and support through policy and resources the pursuit of local, state, and federal, private, and public funding opportunities to support the County's infrastructure.
 - Explore the feasibility of implementing renewable energy sources e.g., solar, cogeneration, and fuel cells at County properties.
- Public Safety
 - Improved Communication and Coordination between public safety and other agencies and the public during emergencies.



Challenges & Initiatives

Challenges

- **SB 1383 Organic Waste Program**
 - **Waivers, Procurement Policy, and enforcement**
- **State-Mandated Inspection Frequencies, & Funding for General Fund Programs (LPA)**
- **Recruitment for vacancies**
- **Staffing levels vs. growing inventory**
- **Union Mine Compliance with RWQCB Directives & Maintenance**
- **Litter & Illegal Dumping**



Challenges & Initiatives

Initiatives

- **SB 1383 Continued implementation, Reporting and Tracking**
- **Union Mine:**
 - **WWTP Influent Limit Increase**
 - **ARPA \$2.9 Million project for headworks project**
 - **Supplemental Budget requests for repairs/maintenance**
- **Household Hazardous Waste (HHW) Events**
 - **Currently working with El Dorado Transportation on a new home for HHW events.**
- **Staffing and Recruitment**
 - **Incentive offers for Hazardous Material Specialist and Supplemental Budget requests for Admin Technician**
- **Replacement Software for EnvisionConnect**
- **Roadside Litter Abatement Program**
 - **Revise the current Solid Waste Ordinance to include enforcement mechanisms to address illegal dumping**



Questions?

