



# GUAM ENVIRONMENTAL PROTECTION AGENCY

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"ALL LIVING THINGS OF THE EARTH ARE ONE."

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## Mission Statement

To maintain high quality environment be maintained at all times to guarantee an enjoyable life for all people at present and in the future, and that all environmental degradation of the quality of land, water, and air by any pollutants, including all physical, chemical, and biological agents, should not be allowed.

To these ends, it is the purpose of this Guam EPA provide a united, integrated, and comprehensive territory-wide program of environmental protection and to provide a framework to fulfill that task.

*Public Law 11-191*

## Contact Information

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FISCAL 2010 REPORT

ISSUED OCTOBER 2011

# Many programs; One mission



**INSPECTION:** Guam EPA staff inspect a potential Brownfields site.

## OPERATIONAL STRUCTURE

Guam EPA has five major Divisions and several special program areas. Each division and program work together to protect Guam's air, land, water and other limited natural resources.

The five divisions include Air and Land, Water, Planning and Review, Environmental Monitoring and Surveillance (EMAS) and Administrative Services.

Under each division are separate programs that achieve goals set by local and federal mandate.

Program goals and activities are funded through a mix of local and federal funding. Many projects are dictated by federal grants issued through U.S. EPA. Guam EPA re-

ceived technical guidance and support from U.S. EPA Region 9 and the Pacific Islands Office located in San Francisco, CA.

## STRATEGIC GOALS

During FY 2010, Guam EPA's strategic goals included improving staffing training and retention, improving public outreach and education and solving permitting and enforcement issues.

## DEMOGRAPHICS/ATTRITION

Staffing at Guam EPA continues to be a critical issue for the agency. In 2010 Guam EPA has 52 full-time employees. This is a decrease from 59 employees in 2009 and 57 employees in 2008. Many spots in programs need to be filled to complete each program mission successfully.

# Progress report information

## Air and Land Division

### HAZARDOUS WASTE

- Implement and Enforce Hazardous Waste Data Management and Info, State Program
- Development, Annual Reporting, Permitting/Closure/Corrective Action, Scope of Regulatory Management
- Implement & Enforce Underground Storage Tank (UST) State Program Development, Conduct Inspections, Enforcement and Compliance and oversee Chemical Standard and Financial Responsibility
- Oversee Leaking Underground Storage Tanks (LUST) remediation

### SOLID WASTE

- Review Applications and Prepare Permits For Municipal Solid Waste Landfills & Other Solid Waste Management Facilities
- Conduct Compliance and Enforcement on Permitted Facilities, Illegal Dump sites and Complaints.
- Revise Integrated Solid Waste Management Plans

### PESTICIDES

- Conduct Pesticide Import and Surveillance
- Evaluate Pesticide Worker Safety
- Conduct Pesticide Certification and Recertification Training Program
- Conduct Licensing Program, Prepare Field Reports, and Maintain Enforcement, Matrix and Tracking System
- Coordinate with Natural Resource Programs On Pesticide Contamination of Groundwater

### AIR POLLUTION CONTROL

- Update and Maintain State Implementation Plan
- Conduct Radon Testing and Indoor Air Assessment
- Conduct Motor Vehicle Compliance Testing
- Oversee Asbestos and Lead Abatement Activities
- • Oversee Importation & Use of Illegal Chlorofluorocarbons (CFC)
- • Conduct Radiation Support
- Perform Air-Related Advisories on Ambient Air Conditions

### DSMOA

- Oversee Environmental Activities on Base Realignment and Closure (BRAC) 1993 (III) and
- BRAC 1995 (IV), Navy Installation Restoration Program (IRP), Andersen Air Force Base
- Environmental Restoration Program (NPL site) and Formerly Used Defense Sites (FUDS)
- Implement Brownfields-funded activities related to State Response and Revitalization.

## Water Division

### SAFE DRINKING WATER

- Implement and enforce the Guam Primary and Secondary Safe Drinking Water Regulations.
- Implement and enforce the mandatory operator's certification regulations.
- Implement and enforce the Guam Lead Ban Act.
- Monitor and follow-up GWA's compliance with the Stipulated Order (SO) the Consent
- Emergency Response Planning and Security.
- Enforce the requirement of SDWA to Water Retailers, Water Vending Machine and similar Establishments.

### WATER RESOURCES MANAGEMENT

- Implements and enforces Underground Injection Control Program
- Implements and enforces Wellhead Protection Program
- Implements and enforces Water Resources Development & Operating Regulations and Permitting/Licensing
- Groundwater/Surface water Quality Monitoring Program
- Implements and enforces Groundwater Remediation Program
- Implements and enforces the U.S. EPA/ Guam EPA Memorandum of Understanding on Northern Groundwater System

### WATER POLLUTION CONTROL

- Provide management oversight of Sewer Construction Grants

- Review permit applications National Pollutant Discharge and Elimination System (NPDES)
- Provide lead Spill Prevention and Control Countermeasure (SPCC)
- Provide Watershed Planning Committee Leadership
- Implements and administers the U.S. EPA Nonpoint Source Pollution Management Program, as mandated by Section 319, the CWA and Section 6217 of the Coastal Zone Management Reauthorization Act.
- Lead Division in the development and reporting of impaired waters to the U.S. EPA through the Clean Water Act Section 303(d) listing requirements.
- Provide lead in implementation and enforcement of the soil erosion control regulations.
- Implements and enforce the feedlot waste regulations and permitting.
- Implements and enforce water quality standards triennial review/revision process
- Implements and enforce Individual Wastewater Regulations

## Environmental Monitoring and Analytical Services Division

- Provides Technical assistance in implementing Quality Management Plan (QMP)
- Conducts and administers the Drinking Water Laboratory Certification
- Conducts Surface Drinking and Groundwater Analysis
- Implements the Guam Water Quality Monitoring Strategy
- Provides Technical Support to other Agency Divisions and Programs.

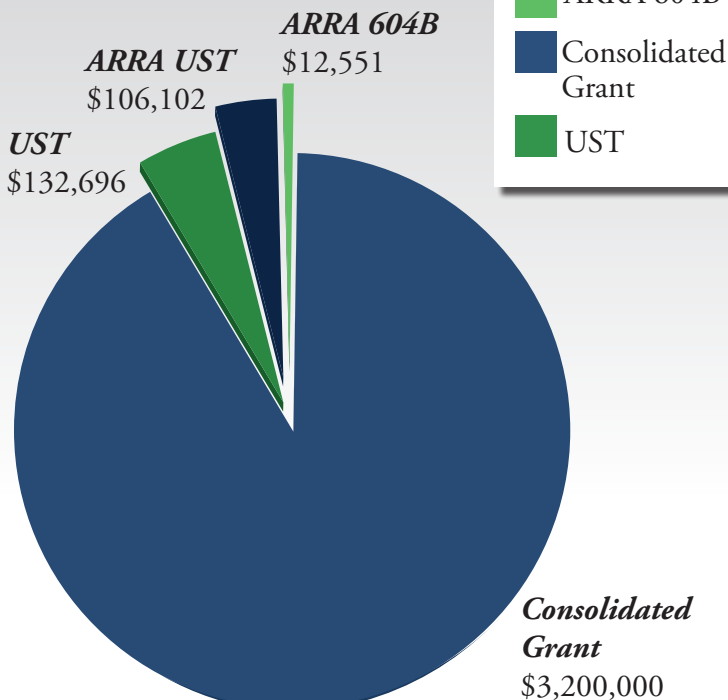
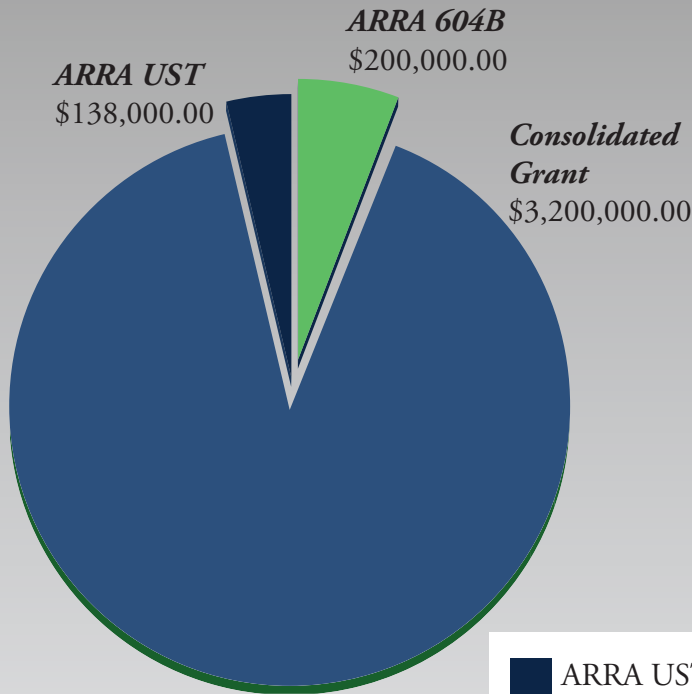
## Support staff

Staff within the Administrative Services Division, including the Administrator, provide critical grant management and other type of support for the entire agency. For more information about our staffing, call 475-1658.

# Financial Report FY 2010

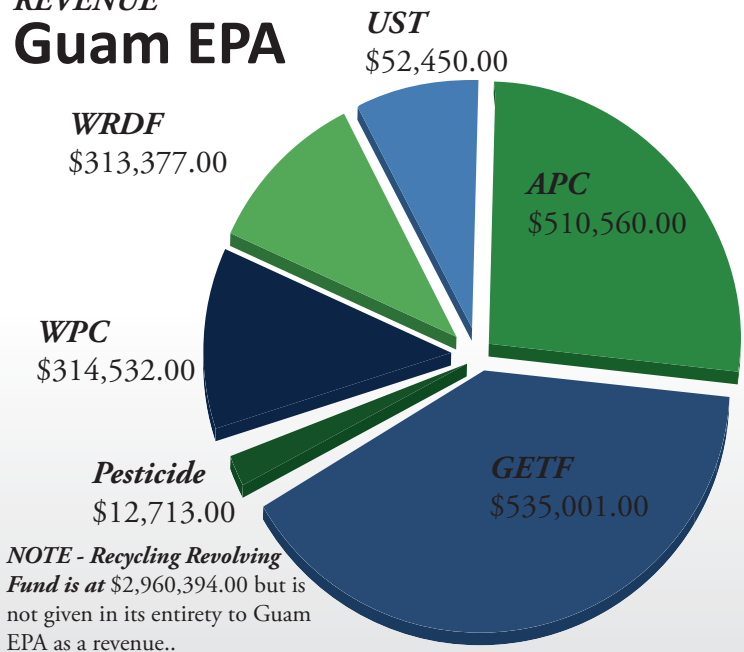
## FEDERAL SOURCES

### REVENUE

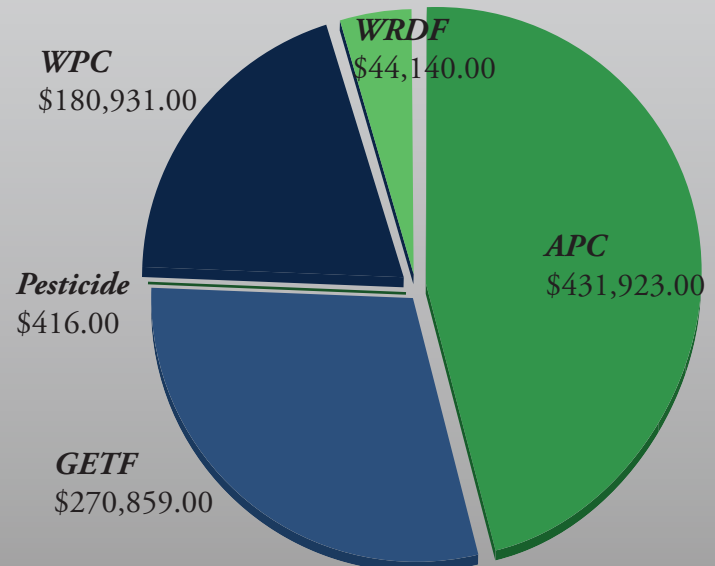


### EXPENDITURES

### REVENUE Guam EPA



- Water Research & Development Fund (WRDF)
- Guam Environmental Trust Fund (GETF)
- Air Pollution Control (APC)
- Underground Storage Tank (UST)
- Water Pollution Control (WPC)
- Pesticides



### EXPENDITURES

**Guam EPA \$524,593.00**



# 2012 Outlook

## Challenges

### PERMIT REVIEW CHALLENGES

Due to the growth in the economy and the increase in overall construction, Guam EPA is seeing an increase in permit applications for multiple project types. This includes storm-water management permits, building inspections, septic tank leaching fields and other various environmental permitting areas. These projects, coupled with the increase of permits required for Department of Defense related projects has significantly increased the permit review workload for the agency. This flood of permit applications has been an ongoing issue when coupled with staffing shortages and technical training gaps.

### CURRENT ENFORCEMENT LEVELS

The increase of construction in Guam and the limited staffing of Guam EPA combined has made enforcement an ongoing issue. Without proper staff to enforce, advise or issue notices of violations, Guam EPA is handicapped in being able to achieve the Agency's mission.



### UPDATING REGULATIONS

Many rules and regulations governing environmental protection in Guam are old and outdated. Once again, this links back to the issue of staffing as in 2010 Guam EPA was without a full-time focused lawyer for the agency. Without this resource and ability to propose and update new rules and regulations, this will continue to be a significant issue.

### TRAINING AND RETENTION

The influx of new projects and companies to Guam combined with the limited pay scale opportunities within the Government of Guam has created a severe retention problem for Guam EPA. Given the outlook of proposed projects, retention will be critical as technical staff and institutional knowledge are needed for the proper review permits and applications.

## Future Targets

### PUBLIC INFORMATION AND TRANSPARENCY

Guam EPA will be focusing on improving public transparency throughout 2012. This includes daily maintenance and upkeep of the web site, timely and accurate response to all Freedom of Information Act Requests and improved customer service for all residents.

### IMPROVED PERMITTING

Guam EPA is working on establishing E-Permitting process. This process is currently in use with DoD projects and the Agency hopes to expand for other sectors in the future.



### ENFORCEMENT

Effective enforcement has been and will continue to be a major goal for Guam EPA. This includes education programs, hiring additional inspectors and improving public information.

### CONTINUED CERTIFICATION OF LABORATORY

Guam EPA's lab has been certified by U.S. EPA Region 9 for microbiology and inorganics. The continued certification of this lab is critical to monitoring and effective data gathering.

### PESTICIDE USAGE TRAINING AND ENFORCEMENT

Given the new rules and regulations governing pesticide use in Guam, this program will be focusing on training applicators of pesticides in proper handling techniques.

### COORDINATION WITH FEMA TRAINING SCHEDULE

As part of the island's and regional disaster preparedness, Guam EPA will continue to work with other government agencies and FEMA to be prepared to handle environmental emergencies associated with natural disasters. Part of this target includes continuation of RadNet, the national radiation detection network.