



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 2012 REPORT

ISSUED SEPTEMBER 2013

40 years of progress



ENVIRONMENTAL EDUCATION: Guam EPA Solid Waste staff member Glenn San Nicolas speaks about proper waste management during a career day at P.C. Lujan Elementary School.

OPERATIONAL STRUCTURE

Guam EPA has four Divisions and several special program areas. Each division has multiple programs that work to protect Guam's natural resources.

The Agency is comprised of the Water Division, the Air and Land Division, environmental Monitoring and Surveillance (EMAS) Division and Administrative Services Division.

Under each division, separate programs work to enforce local environmental law. Staff are guided by local mandates and goals set by federal grants.

Programs are funded almost entirely by federal grants administered by U.S. EPA. There are some projects the Agency completes through

local or special funds. Guam EPA receives technical guidance and support from U.S. EPA Region 9 and the Pacific Islands Office located in San Francisco, CA.

STRATEGIC GOALS

During FY 2013, Guam EPA's strategical goals included streamlining the application review process, increasing voluntary compliance and hosting the Pacific Islands Environment Conference.

DEMOGRAPHICS/ATTRITION

Staffing at Guam EPA continues to be a critical issue for the agency. In 2011 Guam EPA has 48 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.

Multiple programs working to protect Guam's natural resources

Air and Land Division

HAZARDOUS WASTE

This program is responsible for the proper management of substances considered by law to be hazardous. Their work includes:

- Implementing and enforcing waste data management information and the Underground Storage Tank (UST) state program,
- Conducting inspections and ensuring compliance with local and federal hazardous waste laws and regulations,
- Overseeing Leaking Underground Storage Tanks (LUST) remediation

SOLID WASTE

This program focuses on management of any solid waste including residential, commercial, hardfill materials and green waste. Their work includes:

- Reviewing applications for permits and ensuring compliance with permits for municipal solid waste landfills, transfer stations, hardfills and other solid waste activities,
- Investigating illegal dump sites and responding to complaints, and
- Revising the Integrated Solid Waste Management Plan for Guam.

PESTICIDES

This program is responsible for ensuring registered pesticides are used correctly in Guam. Their work includes:

- Surveying pesticide imports to ensure no illegal products are coming to Guam,
- Reviewing the conduct of those using pesticides in their workplace including ensuring they have the proper certification and training,
- Track pesticide influence over groundwater, and
- Respond to complaints of misuse of pesticides.

AIR POLLUTION CONTROL

This program focuses on protecting Guam's air quality by doing the following:

- Keeping Guam's state implementation plan updated and maintained,
- Providing tests, education and outreach about Radon,
- Testing motor vehicle exhaust to ensure compliance,
- Overseeing the asbestos and lead abatement activities of Guam,
- Maintaining Guam's radiation monitoring

programs,

- Ensure Illegal Chlorofluorocarbons (CFCs) are not being imported to Guam, and providing air-related advisories when necessary.

DSMOA/GREEN PARCEL PROGRAM

This program works to ensure properties are clean and used to their fullest potential. Their work includes:

- Oversight of 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)
- Implementing the Green Parcel Program via federally-funded activities to revitalize lands.

Water Division

SAFE DRINKING WATER

This program is charged with making sure all of Guam's drinking water is safe for consumption. Their work includes:

- Oversight and enforcement of Guam's Safe Drinking Water laws and regulations,
- Offering and requiring operator's certification for those working on Guam's drinking water system,
- Enforcing the Guam Lead Ban Act,
- Monitoring GWA's compliance with the Stipulated Order (SO), and
- Enforce drinking water laws as they pertain to water retailers, vending machine and other establishments.

WATER RESOURCES MANAGEMENT

This program monitors Guam's groundwater to ensure it is not being impacted by surface activities. Their work includes:

- Running the Underground Injection Control (UIC) Program,
- Enforcing the Wellhead Protection Program,
- Enforcing regulations and permitting requirements for those who develop or operate water resources,
- Monitoring ground and surface water quality,
- Implementing the Groundwater Remediation Program and the MOU between Guam EPA and U.S. EPA regarding the Northern Guam Lens.

WATER POLLUTION CONTROL

This program protects all types of water

in Guam through law, rules and regulations. Their work includes:

- Providing oversight of sewer construction
- Reviewing permit applications for the National Pollutant Discharge and Elimination System (NPDES),
- Leads the Spill Prevention and Control Countermeasure (SPCC) efforts of Guam EPA,
- Provides Watershed Planning Committee leadership,
- Implements and administers the U.S. EPA Nonpoint Source Pollution Management Program,
- Is the lead division in the development and reporting of impaired waters to the U.S. EPA through the Clean Water Act requirements.
- Acts as the lead in implementing and enforcing soil erosion control and feedlot waste regulations, and
- Implements and enforce Individual Waste-water Regulations.

Environmental Monitoring and Analytical Monitoring Program

This program conducts multiple monitoring programs for the island. This includes:

- Collects samples for the BEACH program
- Implements the Guam Water Quality Monitoring Strategy, and
- Provides technical support to other programs and agencies

ANALYTICAL SERVICES PROGRAM

This program is tasked with maintaining and running Guam EPA's certified laboratory. This includes:

- Conducting and administering the Drinking Water Laboratory Certification program,
- Analyzing surface and groundwater samples

Administrative and Management Division

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 300-4751/52/53.

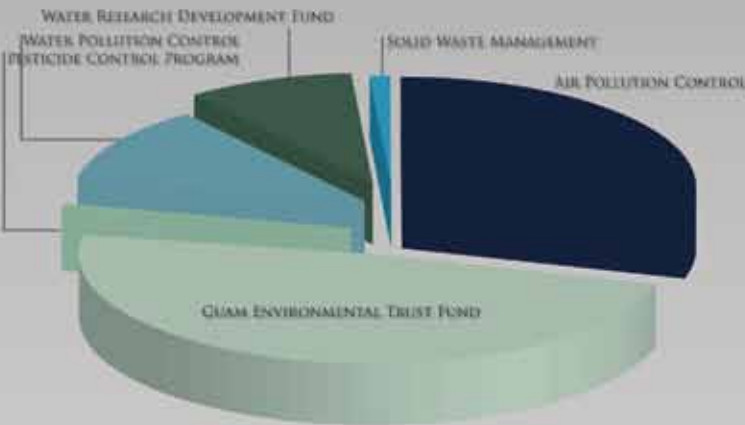
Financial Report Fiscal 2012

LOCAL FUNDING REVENUE



- \$332,446.00 GUAM ENVIRONMENTAL TRUST FUND
- \$168,088.00 AIR POLLUTION CONTROL
- \$235,434.00 UNDERGROUND STORAGE TANK
- \$17,210.00 WATER RESEARCH DEVELOPMENT FUND
- \$160,093.00 PESTICIDE CONTROL PROGRAM
- \$114,255.00 WATER POLLUTION CONTROL
- \$5,740.00 SOLID WASTE MANAGEMENT

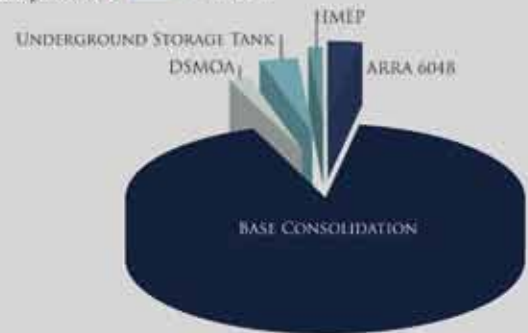
LOCAL FUNDING EXPENDITURES



- \$247,951.00 GUAM ENVIRONMENTAL TRUST FUND
- \$151,723.00 AIR POLLUTION CONTROL
- \$56,879.00 WATER POLLUTION CONTROL
- \$48,336.00 WATER RESEARCH DEVELOPMENT FUND
- \$17,115.00 PESTICIDE CONTROL PROGRAM
- \$5,656.00 SOLID WASTE MANAGEMENT
- \$0.00 UNDERGROUND STORAGE TANK

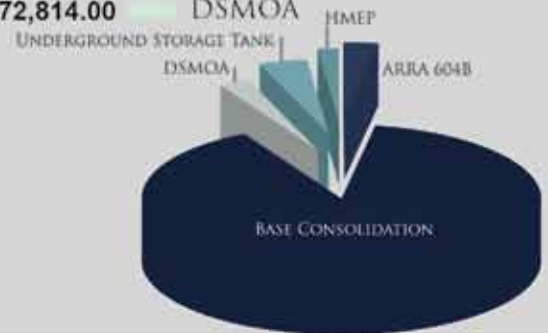
FEDERAL FUNDING REVENUE

- \$6,162,083.57.00 BASE CONSOLIDATION
- \$118,000.00 DSMOA
- \$199,543.17 UNDERGROUND STORAGE TANK
- \$200,000.00 ARRA 604B
- \$69,688.00 HMEP

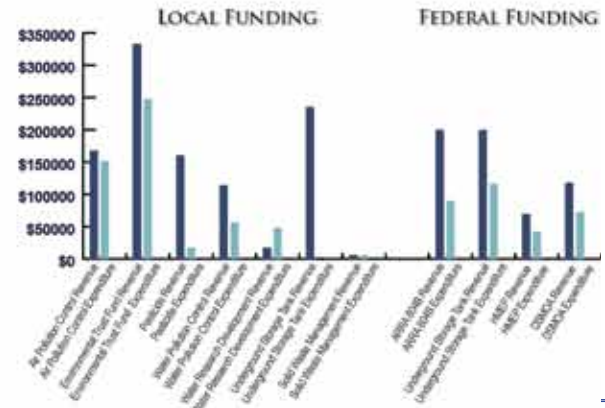


FEDERAL FUNDING EXPENDITURES

- \$2,649,063.00 BASE CONSOLIDATION
- \$115,905.00 UNDERGROUND STORAGE TANK
- \$89,811.00 ARRA 604B
- \$42,480.00 HMEP
- \$72,814.00 DSMOA



REVENUE VS. EXPENDITURE AT A GLANCE



2014 Goals and Challenges

PERMIT REVIEW

During FY 2013, Guam EPA processed more than 1,000 permits and applications. The programs continue to work on ensuring all applications are processed in a timely manner. This process also includes making sure each permit is reviewed and properly vetted to ensure protection of natural resources.

Highlights from 2013

- The Water Resource Management Program processed 420 drilling and operating permits and conducted almost 800 inspections throughout the year.
- The Water Pollution Control Program completed more than 600 inspections and reviewed almost 800 applications.

As the Agency continues to complete this enormous tasking, there are significant challenges associated with permitting effectively.

UPDATING REGULATIONS

Many rules and regulations governing environmental protection in Guam are old and outdated. The Agency is in need of full-time legal counsel to help update the law and regulation guiding Guam EPA.

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.

Highlights from 2013

- More than 40 staff attended GIS, Microsoft Word, Access and Excel training as the result of a partnership between the Agency and the Guam Community College.

PARTNERSHIP

Guam EPA continues to work at building partnerships with other agencies, including the Mayors Council and other natural resource



agencies, to share information, manpower and streamline efforts.

ENFORCEMENT

Effective enforcement has been and will continue to be a major goal for Guam EPA. Guam EPA is partnering with other natural resource agencies to increase the amount of inspectors in the field and enforcement actions.

Highlights from 2013

- All Guam EPA staff were trained by the Guam Police Department in citation issuance through a MOU between the agencies.

CONTINUED CERTIFICATION OF LABORATORY

Guam EPA continues to maintain certification for the agency's laboratory. The lab is certified by U.S. EPA Region 9 for microbiology and inorganics. To maintain this certification, the chemists and lab must be visited by a certification officer every three years. The lab certification is up for renewal in 2013.



PESTICIDE ENFORCEMENT

The Pesticide Enforcement Program will continue working to train those who use pesticides as part of their work environment. This includes those working on farms, in

hotels or other jobs requiring pesticide application.

The program has also worked extensively with farmers to ensure they completely understand the rules regarding pesticide application. This includes multiple inspections and follow-up inspections to ensure compliance.

EMERGENCY RESPONSE

Guam EPA continues to play a crucial role in Guam's emergency response abilities. Staff are part of the response when natural resources could be affected. The Agency also continues assisting with training and funding training for emergency response personnel.

Highlights from 2013

- Guam EPA successfully managed a \$24,000 grant to train almost 80 emergency response personnel in hazardous materials management and technology.

ENSURING PROPER REPORTING

Guam EPA continues to work with local businesses and organizations to ensure they are properly reporting hazardous waste, chemicals, pesticide importation, sand importation and other activities that could have potential impacts on Guam's natural resources.

Highlights from 2013

- The Green Parcel Program assisted businesses in properly reporting (many for the first time) information for the federal Emergency Planning and Community Right to Know (EPCRA) Act.

