

## Status - Caribbean and Pacific Water Quality Resolutions – August 2008

Resolution Actions	Accomplishments	Status
Identification and allocation of funding to implement elements of U.S. Pacific Islands coral reef protection local action strategies that pertain to reducing land-based sources of pollution (P)	<ul style="list-style-type: none"> <li>▪ Multiple federal agencies support jurisdictions' LASs for addressing land-based sources of pollution through funding, technical assistance, staff time and other support</li> <li>▪ The Guam based environmental offices of the Air Force and the Navy continue to work with Guam EPA to improve on implementation of the environmental permitting processes that control pollution from the bases on Guam.</li> </ul>	Ongoing
Assistance to bring relevant jurisdictions subject to enforcement action into compliance as needed (P)	<ul style="list-style-type: none"> <li>▪ DOJ and NOAA hosted enforcement training in all the territories (2005)</li> <li>▪ EPA provided program-specific inspection training for hazardous waste, underground and above ground fuel storage tanks, and wastewater and pesticide use in Hawaii and Pacific territories</li> <li>▪ EPA, DOJ federal court order in Guam resulted in renovations at two large sewage treatment plants and construction of new outfalls for those plants</li> <li>▪ As a result of EPA enforcement, and \$3 million in EPA grants to CNMI, construction of a new sewer outfall was begun in 2007 in Saipan and is expected to be completed by end of 2008</li> <li>▪ EPA enforcement order in Guam resulted in rehabilitation of large fuel tanks to prevent fuel spills into a marine protected area on Guam. Rehabilitation completed in 2007</li> <li>▪ DOI CIP funds of \$809,000 to Guam EPA for FY 2008 are designated to be applied to developing the new Guam Landfill at Layon, to support the closing of the Ordot Dump, which is under Federal Court ordered Consent Decree because of leachate violating the Clean Water Act.</li> <li>▪ EPA settlement with Puerto Rico Aqueduct and Sewer Authority for \$1.7 billion over 15 years to improve 61 wastewater treatment facilities</li> <li>▪ EPA and the City and County of Honolulu (CCH) have agreed to a settlement addressing potential vulnerabilities in the City's force mains following the 2006 spill of 48 million gallons of raw sewage at Waikiki. Under this agreement, CCH will implement a range of activities designed to prevent future catastrophic spills from six of the City's force mains having the greatest potential for catastrophic failure. Activities include construction of replacement and backup force mains, condition assessment and repairs, and contingency plans for minimizing the effects of spills.</li> </ul>	Ongoing
Assistance to address erosion, sedimentation, and runoff problems in the Pacific Islands (P)	<ul style="list-style-type: none"> <li>▪ CWA section 319 funds and CZMA section 6217 funds– (annual funding \$500,000 each for American Samoa, Guam and CNMI)</li> <li>▪ EPA 319 funds were used to create a Sewer Hookup Revolving Loan Program in Guam to financially assist residents currently using septic tanks to connect to the municipal sewer system (2008)</li> <li>▪ EPA and NOAA jointly approved the coastal non-point source pollution control programs for American Samoa, CNMI and Guam</li> <li>▪ Hawaii DOT required to fix CWA violations at the state's airports and highways - \$52 million in repairs (2005) and \$7.5 million settlement for stormwater violations of the CWA in Kauai (2006)</li> <li>▪ EPA conducted stormwater inspections in Guam and CNMI (2008)</li> <li>▪ USDA Conservation Innovation Grants (e.g. \$75,000 to increase the availability of vetiver grass in American Samoa, project in Oahu to implement the use of cover crops to improve soil quality and reduce erosion and sediment delivery)</li> <li>▪ USDA Farm Bill Programs (EQIP, WHIP, and WRP) address NPS and water quality</li> <li>▪ USDA Emergency Watershed Protection programs to reduce sediment and other pollutant</li> </ul>	Ongoing

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	<p>impacts to coral reefs (e.g. Kagman Watershed on Saipan, Aua Watershed in American Samoa, Kahaluu Watershed project on Oahu)</p> <ul style="list-style-type: none"> <li>▪ Development of CNMI and Guam Stormwater Management Criteria and Guidance Manual</li> <li>▪ Stormwater management and erosion &amp; sediment control workshops in Hawaii (Maui &amp; Molokai – 2006) and Guam (2008)</li> <li>▪ NOAA technical assistance to Guam CMP and EPA in 2008 for updating regulations to require post-construction stormwater management as outlined in the CNMI &amp; Guam Stormwater Manual.</li> <li>▪ DOI funding (\$2.5 million) for the Garapan Revitalization - Water Quality Restoration project which will divert stormwater that currently runs into the lagoon through an underground culvert to a series of ponds allowing pollutants to settle out before running into the lagoon.</li> <li>▪ Maui County Hawaii considers incorporating new design guidelines for stormwater in revised stormwater ordinance following 2006 LBP LAS workshop (NOAA)</li> <li>▪ NOAA, NRCS, USGS, EPA, USFWS funding to support implementation of LBS LAS in Molokai, Honolua Bay, and Hanalei Bay, Hawaii.</li> <li>▪ Fire management plan developed in Molokai, Hawaii (USFWS)</li> <li>▪ Workshop on innovative technologies for stormwater and wastewater in Hawaii (Maui, 2005)</li> <li>▪ USGS ridge to reef research and monitoring in Molokai, Honolua Bay and Hanalei Bay, Hawaii.</li> <li>▪ Watershed modeling in Hanalei Bay, Kauai (AnnAGNPS) (USGS, NRCS)</li> <li>▪ Cesspool replacement Hanalei Bay, Kauai (EPA)</li> <li>▪ Development of best management practices for taro farming, Hanalei, Kauai (EPA, NFWF).</li> <li>▪ Development of pollution sensitive indicators for coral in Hawaii (NOAA)</li> <li>▪ Heavy metal contamination study in Honolua Bay, Maui (NOAA, NRCS)</li> </ul>	
<p>Assistance to address wastewater treatment in the Pacific Islands (P)</p>	<ul style="list-style-type: none"> <li>▪ Bond Bank – Legislation was introduced to create a US Territories Bond Bank; Congressional hearings were postponed indefinitely, May be reintroduced during next Administration</li> <li>▪ Clean Water State Revolving Fund - \$54 M in FY 2008 for the 2 states and 5 territories</li> <li>▪ DOI and CNMI are finalizing an Environmental Assessment for a proposed wastewater treatment plant on Tinian and are beginning the EIS process for a proposed wastewater treatment plant on Saipan.</li> <li>▪ Over the last five years, DOI has awarded \$5 million to American Samoa's utility for Wastewater projects. Funding has been used to expand the Tualauta Sewer System and to purchase and install on-site septic tanks</li> <li>▪ USDA Rural Development Utilities Program – Presentation to Steering Committee in 2008</li> <li>▪ Technical Assistance: Engineers from U.S.P.H.S. have been detailed by EPA to water utilities in American Samoa, Guam and CNMI</li> </ul>	<p>Ongoing</p>
<p>Submission of a list from each jurisdiction of the top infrastructure needs to reduce impacts on coral reefs to the USCRTF within 60 days of adoption (P)</p>	<ul style="list-style-type: none"> <li>▪ Guam, CNMI and AS submitted prioritized lists to the CRTF in 2004</li> </ul>	<p>Completed</p>
<p>Report by members of the TF on progress made towards addressing the Caribbean and Pacific WQ resolutions by 2004 (P)</p>	<p>Progress reports delivered:</p> <ul style="list-style-type: none"> <li>▪ 2004 CRTF meeting in Miami, Florida</li> <li>▪ May 2006 CRTF meeting in Washington, DC</li> <li>▪ August 2008 meeting in Kona, Hawaii</li> </ul>	<p>Completed</p>

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Development of an implementation plan for wastewater management hookup prioritization in Puerto Rico and implementation of that plan (C)	<ul style="list-style-type: none"> <li>▪ Implementation plan for wastewater management hookup and prioritization was developed and implemented in December 2005</li> </ul>	Completed
Application of resources to address wastewater treatment in the Florida Keys (C)	<ul style="list-style-type: none"> <li>▪ New advanced wastewater treatment plant completed in 2004 in the Florida Keys. \$4.3 M of CWSRF funds were used to construct this facility.</li> <li>▪ July 2008, bill signed to end the discharge of secondarily treated sewage off Florida's southeast coast. The bill requires all facilities that discharge domestic wastewater through ocean outfalls to meet higher treatment requirements by December 2018, and to achieve at least 60 % reuse by 2025.</li> </ul>	Completed  Ongoing
Assistance to bring USVI facilities into compliance with consent orders (C)	<ul style="list-style-type: none"> <li>▪ USVI's wastewater treatment plants (WWTP) are currently in compliance with their permit conditions. Seven WWTPs are under the V.I. Wastewater Consent Decree (CD). With agreement and approval from EPA and DOJ, the USVI recently asked the Federal Court to remove four of the WWTPs from under conditions of the CD. GVI's request was based on satisfying treatment compliance at these facilities, as prescribed in the CD. The remaining three WWTPs; however, will remain under long-term monitoring by the Court, as required under the CD.</li> </ul>	Ongoing
The stabilization of Federally owned as well as locally owned unpaved roads in the USVI to eliminate erosion and sedimentation problems (C)	<ul style="list-style-type: none"> <li>▪ In 2006, CRTF WQ subcommittee suggested reaching out to other federal partners that could support road projects to reduce erosion and benefit water quality.</li> </ul>	No/ limited progress
Implementation of the CERP to benefit the coral reef ecosystem of the FL Keys (C)	<ul style="list-style-type: none"> <li>▪ Implementation of the CERP by various CRTF agencies is ongoing. The CERP acknowledges that water quality improvements, including improved sewage treatment in the Florida Keys, are critical to protect coral reefs. However, progress implementing WQ improvements has been slower than originally anticipated due to funding constraints on the federal and state levels.</li> </ul>	Limited progress
Identification of grant opportunities for local governments in addressing land-based sources of pollution (C & P)	<ul style="list-style-type: none"> <li>▪ Coral reef grant workshops hosted by Federal agencies in U.S Islands: Puerto Rico &amp; USVI (2005), Hawaii, Guam and CNMI(2006) and American Samoa (2007)</li> </ul>	Completed