

## 604(b) WATER QUALITY MANAGEMENT PLANNING ARRA GRANT WORKPLAN 2009-2012

### I. Section 604(b)

The Water Quality Management Planning Program is an environmental management grant program awarded by EPA directly to the environmental agencies of the States and Territories. Section 604(b) of the Clean Water Act (CWA) provides for the reservation of 1% of each State's Clean Water State Revolving Fund allotment to carry out planning activities under Sections 205(j) and 303(e) of the CWA. The Guam Environmental Protection Agency (Guam EPA) proposes to utilize 604(b) funding appropriated in the American Recovery and Reinvestment Act of 2009 (ARRA) for allowable activities as described below. Proposed activities support the ARRA goal to promote economic recovery and the Section 604(b) goal to provide water quality planning and management of EPA grants under Section 205(j) - - Guam Waterworks Authority (GWA) funded projects. The ARRA allotment for Guam EPA includes \$100,000 under the CWSRF; and \$100,000 for carrying out purposes under CWA section 319.

A. Guam EPA proposes to collaborate with GWA in planning and management of ARRA Projects, including public noticing and approval of the GWA ARRA Priority Project List, and support GWA in meeting the requirements of the ARRA Grants guidance. ARRA projects proposed by GWA include water and energy efficiency improvements and other environmentally innovative activities. Guam EPA will conduct site inspections of GWA projects approved to receive ARRA grant funds, and review Quarterly, Monthly & Weekly reports as required to ensure appropriate application of ARRA grant funds.

B. Guam EPA will review, revise, and update the 1996 Ugum Watershed Management Plan. This plan should provide a road map to help the Watershed Planning Committee identify the problems, set goals, and implement solutions in the Ugum Watershed. The environmental benefit of this project is the protection of the Ugum River as a drinking water source through reduced sediment to the Ugum River. A second benefit is a "cost benefit" to GWA and the public due to increase efficiency of the Ugum Water Treatment Plant. ***The development of a Talofofo Sub-Watershed Management Plan will not be undertaken as initially planned in the scope of work under this grant.***

### II. Administration

Guam EPA shall compile and submit Quarterly Reports and Monthly & Weekly Reports to EPA and participate in periodic conference calls as scheduled. All ARRA reports will be kept discrete from other reports; but they will be submitted in conjunction with the Agency's overall quarterly report as part of its submission for the consolidated grant or monthly & weekly reports as provided for in the ARRA guidance document.

A. Quarterly Reports - Guam EPA will submit reports to EPA no later than 10 days at the end of each calendar quarter that will contain 1) total amount of recovery funds received from EPA, 2) the amount of recovery funds received that were expended or obligated to projects or activities, 3) a detailed list of all projects or activities for which recovery funds were expended or obligated, and 4) detailed information on any subcontracts or subgrants awarded by Guam EPA.

B. Monthly & Weekly Reports - Guam EPA will submit monthly reports on the uses of funds provided by the ARRA. A weekly report will be submitted of 1) financial accounts containing total appropriations, total obligations, and total expenditures as recorded in agency financial systems on a cumulative basis, and 2) A short bulleted list of the major actions taken to date and any major planned actions.

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III. Task/Activities	Completion Date	Deliverable Product/Output	Assigned Staff	Staff Time
<u>A. GWA Priority Project List for ARRA</u>  Guam EPA will review and assist GWA in planning and management of the project list, publish a public notice with a 30-day comment period, and approve the GWA Priority Project List for ARRA.	30-Aug-09	Guam EPA approved GWA priority project list for ARRA Grants	CE EngrSupv Engr III Engr II ASO AA	.08 .15 .15 .15 .10 .15
<u>B. GWA Wastewater Projects</u>  Guam EPA will work with GWA in the planning for use of improved technologies and practices to reduce the energy consumption of water quality associated projects, including projects to improve energy efficiencies of motors, pumps, and blowers or reduce energy use via engineering controls at wastewater treatment facilities defined in Sec. 212.	FY11	Quarterly, Monthly, and Weekly Reports, as outlined in the ARRA guidance document.	CE EngrSupv Engr III Engr II ASO AA	.01 .10 .10 .15 .20 .20
<u>C. Clean Water Projects</u>  Guam EPA will coordinate with stakeholder agencies such as the Bureau of Planning/Guam Coastal Management Program, Department of Agriculture/Division of Aquatic & Wildlife Resources, Department of Public Works, etc., and similar agencies, in planning improved technologies and practices for the protection of water bodies and reduced pollutant loads from stormwater runoff, and to improve the water quality of receiving waters. Guam EPA's participation in the development of Best Management Practices (BMP) with these agencies will ensure BMPs effectively minimize and manage impacts of soil erosion and sedimentation from stormwater runoff during both construction and post-construction activities. <b><i>The Agency will also plan and co-sponsor a Stormwater Workshop in 2011 intended for contractors, developers, government agencies, non-profits, and anyone with an interest in preventing stormwater impacts to Guam's natural resources.</i></b>	FY11	Quarterly, Monthly, and Weekly Reports, as outlined in the ARRA guidance document.A10	PC IV CE EngrSupv Engr III Engr II ASO AA	.25 .01 .10 .10 .15 .20 .20

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III. Task/Activities	Completion Date	Deliverable Product/Output	Assigned Staff	Staff Time
D. <u>Watershed Management Plans</u>				
Guam EPA will review, revise, and update the 1996 Ugum Watershed Management Plan. This plan should provide a road map to help the Watershed Planning Committee identify the problems, set goals, and implement solutions in the Ugum Watershed. The environmental benefit of this project is the protection of the Ugum River as a drinking water source through reduced sediment to the Ugum River. A second benefit is a "cost benefit" to GWA and the public due to increase efficiency of the Ugum Treatment Plant.				
<p align="center"><b>UGUM WATERSHED PLAN</b></p> <ol style="list-style-type: none"> <li>1. Develop Agency Ugum workgroup and stand up Ugum Watershed Sub-Committee to review existing watershed management plan and identify data gaps;</li> <li>2. Identify stakeholders in addition to those listed in Executive Order 2004-04; and work with stakeholders to fill data gaps and/or obtain added watershed information;</li> <li>3. Draft sections of the watershed management plan based on EPA 's nine (9) Minimum Elements critical for achieving improvements in water quality;</li> <li>4. Schedule and convene periodic work group to review drafted narratives; Coordinate and convene quarterly Watershed Planning Committee (WPC) meetings beginning August 2011 to give update on watershed activities/projects including those in Ugum, and to begin the way forward for sustained watershed management planning and restoration projects;</li> <li>5. Complete initial draft of Ugum Plan, make available for public review and comment, conduct public meetings; conduct public hearing in conjunction with Guam EPA Board meeting;</li> <li>6. Incorporate public input into final draft of Ugum Plan and submit to Guam EPA Board for approval;</li> <li>7. Provide copy of approved Ugum Plan to stakeholders/ WPC for implementation.</li> </ol>	<p align="center">MARCH 2012</p>	<p align="center">2012 Ugum Watershed Management Plan Quarterly, Monthly, and Weekly Reports, as outlined in the ARRA guidance document</p>	<p align="center">PC IV CE EngrSupv Engr III Engr II ASO AA SPC</p>	<p align="center">.80 .01 .10 .10 .15 .20 .20 1.0</p>

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<p><u>Talofofo Sub-Watershed Management Plan</u></p> <ol style="list-style-type: none"> <li>1. Prepare the Talofofo River Sub-Watershed Management Plan that will provide BMPs to develop an implementation plan that would help address, eliminate, and/or minimize pollutant loads affecting the Talofofo River and Talofofo Bay.</li> <li>2. Submit the Draft Talofofo Watershed Management Plan to Guam EPA Board of Directors for review and approval.</li> <li>3. Submit the Draft Talofofo Sub-Watershed Management Plan to US EPA Region IX for review and Comment.</li> <li>4. Schedule the Draft Talofofo Sub-Watershed Management Plant for stakeholders review.</li> <li>5. Submit Public Notice of the Draft Talofofo Sub-Watershed Management Plan for public comment.</li> <li>6. Submit the final Talofofo Watershed Management Plan Guam EPA Board of Directors for review and approval.</li> <li>7. Submit Talofofo Watershed Management Plan to Guam EPA Board of Directors for review and approval</li> </ol>		<p><i>No deliverable product/output under this grant</i></p>		
<p><b>IV. <u>Training &amp; Meetings</u></b></p> <p>Guam EPA will participate in and/or attend conference calls/training/regional meetings with EPA and/or GWA as needed. Staff travel will be related to clean water act and watershed management training. Training is an important component of quality assurance for the Guam EPA ARRA 604(b) Program. The island of Guam is located in a remote area with respect to where trainings are held. Travel funding is necessary for designated staff to attend ARRA,CWA, Watershed Management related meetings/training and participate in the 2011 PIEC. The estimated cost for travel related to this 604(b) Grant is \$22,400.00.</p>				