

6217: COASTAL NON-POINT POLLUTION CONTROL PROGRAM

◆ **5 YEAR IMPLEMENTATION PLAN (1999 – 2004)**

❖ **15 YEAR PROGRAM STRATEGY (1999 – 2014)**

MISSING ELEMENTS	CORRECTIVE ACTIONS/ POTENTIAL FUNDING	DATE	ENFORCEABLE POLICIES AND MECHANISMS/ COMMENTS	ENFORCING AGENCIES
<p>AGRICULTURE</p> <p>Confined Animal Facilities (large and small)</p> <ul style="list-style-type: none"> • Animal waste management measures • Aspects of the nutrient management measures 	<ul style="list-style-type: none"> ◆ DEQ will produce a video that demonstrates how appropriate BMPs prevent NPS and protect coral reefs (Funding: 319). ◆ New and expanding facilities will include applicable MMs via CRM major siting permitting procedure (CRM staff). ◆ DEQ will produce a brochure with diagrams and explanations of best management practices that can be implemented to prevent nutrient and pathogen contamination from large and small confined animal facilities. The brochure will also clearly state CNMI and federal regulations and list contacts for additional information (Funding: 319). ◆ Conduct an overflight of Saipan, Tinian and Rota to identify all confined animal facilities (Funding: DEQ staff, 319). ◆ Demonstrate to the swine producers (NRCS, DEQ) in the Marpo Watershed how to protect ground and surface water through the wise use of locally available materials to absorb animal wastes and transform a potential threat to the water supply into a valuable soil amendment by using bedding material generated by a chipper. (Funding: 319). ◆ Demonstrate the efficiency and safety benefits of pesticide chemical mixing stations (DEQ, NRCS) to farmer by constructing mixing station and conducting workshops (Funding: 319) ◆ The CNMI will create a constructed wetland in American Memorial Park that will demonstrate how constructed wetlands can be used to treat storm water runoff (Funding: 319). ◆ DEQ will revise IWDS regulations by October 2001 to provide size thresholds for applicability to CAFO's and list appropriate MMs. (Funding: DEQ staff). ◆ Produce brochures in Chamorro, Carolinian, Mandarin, and Tagalog that explain management measures that can be implemented by farmers to reduce the amount of nutrients from farms polluting ground water and surface water. (Funding: DEQ staff, 319) ◆ Conduct an inspection of each confined animal facility identified during the Saipan, Tinian, and Rota overflights. The inspection will determine which management measures they are currently employing and the types of problems they are encountering (Funding: DEQ, CRM enforcement staff). ◆ DEQ will work with CRM to develop a permit tracking system. (Funding: CRM and DEQ staff) ◆ Require all new agriculture homesteads in Dugi/Gampapa/I Chenchon Watershed to follow the earthmoving and erosion control plans developed as part of the Division of Public Land's CRM permit application. (Funding: CRM and DEQ staff) ◆ Require all CRM permit applicants for homesteads to develop and implement earthmoving and erosion control plans for the entire homestead. (Funding: CRM and DEQ staff) 	<p>1999</p> <p>1999-ongoing</p> <p>1999-2000</p> <p>1999-2002</p> <p>1999-2000</p> <p>1999-2000</p> <p>1999-2000</p> <p>1999-2000</p> <p>1999-2000</p> <p>2000-2001</p> <p>2000-ongoing</p> <p>2000-ongoing</p>	<p align="center"><u>ENFORCEABLE POLICIES AND MECHANISMS</u></p> <p><u>CRM-</u> will revise their regulations by October 2001 to include the management measure for Facility Wastewater and Run off from confined animal facility management. Until regulation changes are approved, CRM will continue to use its existing permitting authority to include MMs.</p> <p><u>DEQ-</u> will revise their regulations by October 2001 to include new and expanding facilities to include management measure for facility wastewater and run off for confined animal facility management (for small units)</p> <p>Note: Facilities that expand into a major siting will be subject to CRM's revised regulations.</p> <p align="center"><u>COMMENTS</u></p> <p>CRM- with the approval of the CRM board, will condition all major siting projects, minor projects in an APC or any other projects that have the potential to adversely impact the environment, including MMs.</p> <p>DEQ- has the authority to implement animal waste management measures and nutrient management measures using IWDS regulations. DEQ is also revising their IWDS regulations to strengthen enforceability.</p> <p>If zoning is restored in the CNMI, CRM will be able to direct small and large farms away from sensitive areas, and mitigate when there is a potential impact to the environment.</p> <p>The schedule for implementation of BMPs is as follows: Impaired watersheds will be addressed first, all other watersheds will be fully implemented by the completion date.</p> <p><u>Special Note:</u> CRM and DEQ will use the year 2000 census to re-evaluate the need for the confined animal facilities MMs.</p>	<p>CRM DEQ</p>

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<p>AGRICULTURE</p>	<p>Confined Animal Facilities (large and small)</p> <ul style="list-style-type: none"> • Animal waste management measures • Aspects of the nutrient management measures 	<ul style="list-style-type: none"> ◆ Develop guidance sheets for local-appropriate management measures (adapted from the 6217 'g' guidance document) that can be implemented to prevent polluted runoff. (Funding: CRM and DEQ staff) ◆ Determine the CNMI 25 yr. 24 hr. storm event (Funding: DEQ 319& CRM 6217 funds) ◆ Require all owners and operators of large and small confined animal facilities permitted through DEQ and CRM to prepare a Conservation Plan, which includes a nutrient management plan, with the assistance of the Natural Resources Conservation Service. ◆ In coordination with EPA's efforts to establish numeric criteria for nutrients, as stated in the Clean Water Action Plan, conduct a thorough analysis of nutrient levels in runoff from confined animal facilities, streams, ground water, and marine water. Determine effect of nutrient levels on the environment and public health. Revise nutrient criteria in CNMI Water Quality Standards if deemed necessary. (Funding: DEQ staff, EPA grant) ◆ Encourage all farmers to prepare a Conservation Plan that includes a nutrient management plan, with the assistance of the Natural Resources Conservation Service and NMC-Land Grant. ❖ Evaluate the success of the 6217 plan and, if necessary, add or modify MMs to improve runoff from confined animal facilities and nutrient management plans. (Funding: DEQ, CRM, and Watershed group staff) ❖ Conduct inspections (including water quality sampling) of all permitted confined animal facilities to ensure compliance with nutrient management plans (Funding: DEQ and CRM enforcement staff). ❖ Conduct a follow-up study to FY03 project listed above to determine if our nutrient reduction goal has been met. (Funding: EPA grant) 	<p>2001</p> <p>2000-2003</p> <p>2000-ongoing</p> <p>2003</p> <p>2004</p> <p>2004</p> <p>2009</p> <p>2012</p> <p>2006</p> <p>2008</p> <p>2010</p> <p>2012</p> <p>2012</p>	<p>DEQ</p> <p>CRM</p> <p>NRCS</p>