

**Nonpoint Source Pollution Prevention and Control Program
15-Year Program Strategy
FY 1999-2014**

The CNMI has an integrated Nonpoint Source Pollution Prevention and Control Program, which incorporates both the 6217 Coastal Nonpoint Program and the Clean Water Act Section 319 Nonpoint Program. The Division of Environmental Quality, Coastal Resources Management Office, and all other agencies represented on the CNMI Watershed Working Group have developed and are committed to implementing the goals set forth in this Nonpoint Source Pollution Prevention and Control Program.

Vision statement: The CNMI's NPS program will maintain beneficial uses of the Commonwealth's waters. The key to our program is prevention through education and voluntary compliance, although enforceable policies and mechanisms are or will be in place within the next fifteen years to ensure the beneficial uses are maintained.

1. Long-term goal: Restore and maintain the designated uses of all waterbodies.

1a. Short-term goal: Restore the designated uses of the waters of the lagoon surrounding Garapan #1 drainage, a 303(d) listed waterbody, by 2004.

Milestones:

- FY99-00: DEQ will complete the Total Maximum Daily Load (TMDL) for Garapan #1 drainage. **Status: 20% complete- There has been a draft report on the TMDL that was completed in May. The group is currently meeting to get the ball rolling a little faster on this project.**
- FY99-01: DEQ will conduct a "Know Your Watershed" campaign in the Garapan district.
- FY00-ongoing: Conduct more frequent inspections; increase enforcement of environmental, sanitation, and public health regulations; and cite violators (i.e., combined sewer overflows, illegal connections to drainages, littering, and illegal discharges) in the Garapan district. The Division of Environmental Quality, Coastal Resources Management Office, Bureau of Environmental Health, Marianas Visitor's Authority, Department of Public Works, and Commonwealth Utilities Corporation will form a Task Force in FY00 and develop a workplan to accomplish this milestone.
- FY00-ongoing: DEQ, Department of Public Works, Commonwealth Utilities Corporation, and other appropriate agencies will implement recommendations put forth in the TMDL for Garapan #1 drainage. Section 319 funds can be used to implement demonstration projects and Capital Improvement Funds can be used for any necessary infrastructure improvements.

1b. Short-term goal: Restore the designated uses of the waters of the lagoon surrounding Puerto Rico dump, a 303(d) listed waterbody, by 2006.

Milestones:

- FY99-01: The Department of Public Works will follow the compliance schedule to close Puerto Rico dump, as required by the Administrative Order issued by EPA. Highlights include:

- FY99: Implement Puerto Rico Dump interim operations plan, commence the design of the new Marpi landfill, and complete Site Assessment (including proposal for Final Closure Plan).
- FY00: Implement interim slope stabilization plan, implement closure and post-closure plans, construct transfer stations and related facilities, and complete design for Marpi landfill.
- FY01: Close Puerto Rico Dump, open Marpi Landfill, implement post-closure maintenance of Puerto Rico Dump.
- FY99-00: Analyze contaminants in sediments of Tanapag Lagoon, including those surrounding Puerto Rico Dump. The Water and Environmental Research Institute (WERI) on Guam will analyze the sediments and prepare a report using funds from the USGS grant program.
- FY00: DEQ, Department of Public Works, Division of Fish and Wildlife, and Bureau of Environmental Health will work with EPA to create and erect appropriate signs and distribute brochures to ensure that the public is clearly notified of fish consumption risks associated with fishing near Puerto Rico Dump.
- FY05-06: DEQ, Department of Public Works, Division of Fish and Wildlife, and Bureau of Public Health will conduct a study to analyze the risks of consuming fish caught near Puerto Rico Dump and to determine if the beneficial uses of the waters of the lagoon surrounding Puerto Rico Dump have been restored.

1c. Long-term goal: Develop and implement all appropriate management measures and enforceable policies and mechanisms for the CNMI's Coastal Nonpoint Source Pollution Prevention and Control Programs. Receive final approval of the Coastal NPS plan from NOAA and EPA by 2014.

2a. Short-term goal: By 2004, implement ten management measures; by 2009, implement another ten management measures; and by 2014, implement the remaining management measure.

Milestones:

- FY00: CRM and DEQ will complete the 15-year implementation plan for the Coastal NPS Prevention and Control Program. CRM and DEQ will develop a five-year implementation plan that details the methods to achieve implementation of the management measures and enforceable policies and mechanisms.

Agriculture - Confined Animal Facilities (large and small) - Animal waste management measures

- FY99-00: DEQ will produce a brochure for confined animal facility owners and operators. The brochure will contain 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 provide contacts for additional information. (Potential funding: CWA 319) **Status: This brochure is currently being sent to final print. Distribution will follow.**
- FY99-00: The Tinian and Aguijan Soil and Water Conservation District and the Marianas Rural Conservation and Development Council will demonstrate to the swine producers 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: FY99 CWA 319)**Status: A chipper has been purchased and given to the farmers on Tinian. They have been educated on the use of the chipper and are presently implementing its use into their farming regiment.**
- **FY00:** Assist EPA implement the Animal Feeding Operations Strategy in the CNMI. (Funding: EPA)
 - **FY00:** CRM will revise their regulations to require new and expanding confined animal facilities to implement applicable management measures. **Status: In progress.**
 - **FY00-01:** DEQ and CRM will conduct an overflight of all Saipan, Tinian, and Rota watersheds to identify all confined animal facilities. (Potential funding: CWA 319) **Status: The overflight is presently being accomplished and will be completed by the end of 2000.**
 - **FY00-01:** DEQ, CRM, and the Division of Agriculture will conduct an inspection of each confined animal facility identified during the overflights. The inspection will record the types and evaluate the perceived effectiveness of each management measure currently being employed. (Potential funding: CWA 319)**Status: Refer to previous milestone. Once the overflight has been completed and assessed, inspections can follow.**
 - **FY01:** DEQ will review their Individual and Other Wastewater Disposal System regulations to determine if they should be revised to provide size thresholds for applicability and if they should list appropriate animal waste management measures for confined animal facilities. **Status: This will be delayed until 2001**
 - **FY02:** DEQ will revise their Individual and Other Wastewater Disposal System regulations if deemed necessary.
 - **FY04,09,&14:** CRM, DEQ, and the Division of Agriculture will evaluate the success of the management measures implemented to limit the discharge from confined animal facilities. If necessary, add or modify management measures.
- Agriculture - Confined Animal Facilities (large and small) - Aspects of the nutrient management measures
- **FY99-00:** DEQ and the Saipan and Northern Islands Soil and Water Conservation District will produce brochures in Chinese, Chamorro, Carolinian, and Tagalog that explain management measures that can be implemented by farmers to reduce the amount of nutrients from farms polluting our waters. (Funding: FY97 CWA 319) **Status: These brochures are currently at the printer. Translation was done wrong on the first attempt, so there are more costs involved to get the correct translations of particularly the Chamorro and Carolinian languages.**
 - **FY03 & 13:** See projects under 2b -- Evaluating the success of management measures.
 - **FY04:** NRCS will require all applicants for EQIP and WHIP funding to prepare a Conservation Plan that includes a nutrient management plan.
 - **FY04:** DEQ and CRM will require all permitted confined animal facilities to prepare a nutrient management plan.
 - **FY09&14:** Conduct inspections (including water quality analysis) of farms to ensure compliance with and to determine the success of nutrient management plans.

Marinas & Recreational Boating

- FY99-00: DFW is revising their marina regulations to include certain management measures for Smiling Cove. **Status: ?**
- FY00: CRM will revise their regulations to require all permitted marinas and recreational boating activities to implement all appropriate management measures. **Status : ?**
- FY00-03: CRM, DFW, and DEQ will develop guidance sheets for locally-appropriate management measures (adapted from the 6217 'g' guidance) that can be implemented to prevent polluted runoff. **Status : ?**
- FY04,09,&14: CRM, DFW, and DEQ will inspect all CNMI marinas to evaluate the success of management measures in reducing nonpoint source pollution from marinas and recreational boating. If necessary, add or modify management measures.

Marinas & Recreational Boating - Shoreline stabilization and Stormwater runoff

- FY00: DEQ and CRM will work with DFW to modify their plans for their new boating facilities in the Saipan Lagoon to ensure that the shorelines will be properly stabilized and the facilities have incorporated effective runoff control strategies that include pollution prevention measures (preferably with vegetative measures). **Status : ?**

Marinas & Recreational Boating - Fueling station design, Liquid material management, Petroleum control, and Boat operation

- FY99-00: DFW will revise their marina regulations to include all appropriate management measures under their control. **Status : ?**
- FY01-02: CRM will work with other appropriate agencies (DFW, CPA, Mayor's Offices, DEQ, USACOE, NPS, and USCG) to coordinate their approach and explore funding opportunities to implement all applicable management measures.

Marinas & Recreational Boating - Sewage facility management and Maintenance

- FY00: DFW will conduct an assessment of the need for pumpout stations and determine the threshold for the maximum number of users per station. **Status : ?**
- FY03: DFW, CPA, and the Mayor's offices will apply for grants to install sewage pumpout stations at Smiling Cove, Tinian, and Rota marinas. (Funding: Clean Vessel Act)

Marinas & Recreational Boating - Fish waste management

- FY00: DFW will prepare a justification to NOAA and EPA to exclude the fish waste management measure from the CNMI's Coastal Nonpoint Source Pollution Prevention and Control Plan because the local fishermen do not clean their fish at the marina. **Status : ?**

Marinas & Recreational Boating - Boat cleaning and Public education

- FY00-01: CRM, DFW, and DEQ will develop and regularly maintain on the Internet, a *clearinghouse* of boat cleaning and maintenance information and provide less toxic alternatives, such as: boat cleaning and maintenance BMPs; a shopping guide for non-toxic paints, cleaners, and solvents; guidance on how to comply with local and federal laws and regulations; and referrals to other sources of reliable information. **Status: New GIS Manager has been hired and is going to start maintaining the web site for CRM and assist in web site management for other agencies. Currently the GIS Manager of CRM is being brought up to speed.**

- FY04: CRM, DEQ, DFW, CPA, Mayor's Offices, and USCG will create Standard Operating Procedures to address environmental violations in marinas.
- FY09: DFW will implement a hull cleaning training and certification program and develop policies using a two-tier program. Tier 1: Self-certification program approved by marina owners, DFW, CRM, and DEQ with specific targets (e.g. after four years, 75% of boat cleanings are done by certified divers) and Tier 2: CNMI certification (the trigger to develop certification is if self-certification program fails to meet identified targets). (Potential funding: Marina operations budget)

Urban - Watershed protection

- FY99: DEQ will produce a video that demonstrates how appropriate Best Management Practices prevent nonpoint source pollution and protect coral reefs. (Funding: FY97 CWA 319) **Status: This video is completed. Copies have been distributed to the schools and various departments in the CNMI.**
- FY99-00: CRM will create a watershed atlas for Saipan, Tinian, and Rota, print it on CD-ROMs, and distribute them to local agencies. (Funding: FY97&98 CWA 319 and CZARA 310) **Status: Completed and distributed.**
- FY99-04: CRM and the Watershed Group will work with elected officials to restore zoning in the CNMI. **Status: CRM has worked with DLNR to develop a simplified zoning program. It has been forwarded to the Administration of the CNMI, however, it is apparent that the will to reinstate the program has waned.**
- FY99-14: CRM and DEQ will provide introductory GIS training to all government agencies at the Northern Marianas College. **Status: This process has been ongoing lately, however, a new GIS Manager has finally been installed and is currently being brought up to speed with the processes and practices of CRM.**
- FY00-01: CRM and DEQ develop a computerized permit tracking system and incorporate it into GIS. **Status: Plan has been introduced of a 3 year, 5 year, and 10 year inspection list to monitor . Currently working on updating the system. Collateral data is being collected.**
- FY02: The Watershed Group will map land tenure of important watersheds and evaluate the feasibility of regulating privately-owned lands in important watersheds that are threatened by nonpoint source pollution.
- FY03: Continue reforestation and revegetation efforts in Lau Lau watershed.
- FY03-04: The Watershed Group will locate and map all areas that need to be designated as conservation areas. Once zoning laws have been implemented, the group will work with elected officials to set aside these areas to protect water quality and biota. (Potential funding: CWA 319 and CZARA 310)
- FY04-05: If zoning has not been reinstated, CRM will revise their regulations to include the following as Areas of Particular Concern (APC): (1) Highly erodible soils and (2) Areas surrounding well heads and water lenses.
- FY04,09,14: The Watershed Group will evaluate the success of the Watershed Protection management measures implemented. If necessary, add or modify management measures.
- FY06: The Watershed Group will develop management plans for conservation areas.
- FY06: The Watershed Group will develop new and innovative methods to provide incentives for private landowners to implement pollution prevention plans, including

risk management protection for adoption of new pollution prevention technologies and market recognition for producers that meet environmental goals.

- FY07: The Watershed group will develop an agreement with the USDA to use the Conservation Reserve Enhancement Program to improve watersheds.

Urban - Existing development

- FY99-00: The US Army Corps of Engineers will conduct a study of the effect of the drainages along Beach Road (from Fishing Base to Quartermaster Road) on the nearshore marine life. They will recommend management measures to limit the input of contaminants into the lagoon. (Funding: USACOE) **Status: Ongoing**
- FY99-01: Luta Soil and Water Conservation District will conduct an analysis of current contamination of marine water from roads and existing development in Songsong Village; evaluate existing road design and drainages; prepare a plan for future road design and maintenance, which includes the installation of a Best Management Practice (BMP); and teach the Department of Public Works, Mayor's office, and local contractors how to install a BMP. (Funding: FY99 CWA 319)
Status: The design for this project is finished. The project may be delayed because the EPA says that the project has to be bid out in order to proceed. This bidding process could delay the project for another year.
- FY99-04: CRM and the Watershed Group will work with elected officials to implement the Saipan Lagoon Use Management Plan (SLUMP). (Funding: CZARA 6217).
- FY01: The Department of Public Works and Mayor of Saipan will implement management measures recommended by the USACOE's FY99-00 study. (Funding: Capitol Improvement Project)
- FY04: The Department of Public Works will conduct an analysis of current contamination of marine water from roads and existing development along Beach Road (Saipan) and San Jose Village (Tinian); evaluate existing road design and drainages; prepare a plan for future road design and maintenance, which includes the installation of a Best Management Practice (BMP); and teach the Department of Public Works, Mayor's office, and local contractors how to install a BMP. (Funding: Capital Improvement Project)
- FY04-ongoing: CRM will use satellite imagery and air photos to measure shoreline erosion and to analyze silt plumes.
- FY04,09,14: The Watershed Group will evaluate the success of the management measures implemented to reduce runoff pollutant concentrations and volume from existing development. If necessary, add or modify management measures.
- FY05: The Department of Public Works, Division of Environmental Quality, Coastal Resources Management, Governor's Office, Mayor's Offices, Legislature, and Office of Insular Affairs will develop a MOA to ensure sufficient Capital Improvement Project funds and local funds are appropriated to implement retrofitting proposals for existing development.

Urban - Chemical control

- FY00: CRM will prepare a discussion paper for NOAA and EPA review that justifies the elimination of the 6217 management measure that requires the application of nutrients at rates necessary to establish and maintain vegetation without causing

- significant nutrient runoff to surface waters because construction development in the CNMI does not include the application of nutrients. **Status: ?**
- FY02: CRM and DEQ will work with the Natural Resources Conservation Service to produce a brochure that addresses the proper management of toxic substances and nutrients. **Status: Sent to final printing stage, distribution will follow.**
 - FY03: DEQ will modify their Earthmoving and Erosion Control Permits to require the applicant to implement management measures to reduce potential contamination from toxic substances and nutrients applied during construction. **Status: This will be implemented by the end of 2000.**
 - FY04,09,14: DEQ and CRM will evaluate the success of the management measures implemented to control chemicals at construction sites. If necessary, add or modify management measures.

Urban - Operating OSDS

- FY99: DEQ will conduct a workshop for construction companies on how to properly design and build Individual Wastewater Disposal Systems. **Status: Completed. DEQ will continue to give an annual workshop on this subject.**
- FY99-00: EPA, CUC, and DEQ will explore the use of constructed wetlands rather than a conventional sewage system or Individual Wastewater Disposal systems for Kagman, Dugi/Gampapa/I Chenchon, and Marpo Watersheds.
- FY99-01: DEQ will create a GIS database tracking system that will notify inspection staff when inspections of IWDS and OSDS are needed and where they are located. **Status: In the early phase of the project. Collaborating and collecting data.**
- FY01: DEQ will hire additional staff for the Wastewater branch to conduct inspections of existing systems. **Status: No staff has been hired.**
- FY02: DEQ will inspect IWDS starting in Category 1 high priority watersheds scheduled for inspections by the GIS tracking system.
- FY03: DEQ will revise their IWDS regulations to require inspections at a frequency to ascertain whether they are failing.
- FY04,09,14: DEQ and CRM will evaluate the success of the management measures implemented to protect waters from pollutants discharged by OSDS. If necessary, add or modify management measures.

Critical Coastal Areas and Additional Management Measures - Identify critical coastal areas,

- Create a process for updating classification for critical coastal areas, and Create a process for revising and adding additional management measures applicable to the critical coastal areas
- FY99: CRM will work with NOAA, DEQ, and DFW to classify critical coastal areas on Saipan, Tinian, Aguijan, and Rota and will create an Environmental Sensitivity Index, which will become part of the Oil and Hazardous Materials Contingency Plan. (Funding: CRM) **Status: Completed. A CD ROM has been created and distributed to all necessary agencies and schools.**
 - FY00-14: The Watershed Group will use the Unified Watershed Assessment to identify, revise, and add critical coastal areas and develop additional management measures.
 - FY03: CRM, NOAA, USCG, DFW, DPW, DLNR, and DEQ will establish a Global Positioning System base station for the CNMI.

- FY04,09,14: The Watershed Group will evaluate the success of the management measures implemented to protect critical coastal areas. If necessary, add or modify management measures.

Monitoring - Asses management measures in the reduction of pollution loads and improved water quality

- FY01: DEQ and CRM will develop guidance sheets with locally-appropriate management measures (adapted from the 6217 'g' guidance document) that can be implemented to prevent polluted runoff.
- FY02: DEQ will devise a method to track the implementation and success of management measures. If necessary, create new management measures to meet water quality objectives.
- FY04: DEQ will conduct a survey of watersheds to identify causes and solutions to runoff problems.

2b. Short-term goal: Evaluate the success of restoring and maintaining the designated uses of all CNMI waterbodies and evaluate the need for additional restoration activities if, god forbid, maintenance activities fail.

Milestones:

- FY00 and all even numbered years: Conduct a Water Quality Assessment for the 305(b) report and revise the list of impaired water bodies for the 303(d) report.
- FY00: Develop a Memorandum of Agreement between the Commonwealth Utilities Corporation (CUC) and DEQ to have CUC provide DEQ with well water quality data on a regular and timely basis. DEQ will make the data available to all interested public and working groups.
- FY00: DEQ will hire a data manager to build databases for all sections, thoroughly analyze data, and advise program changes. (Potential funding: CWA 319)
- FY00: DEQ, CRM, DFW, and NMC will complete the Long-Term Coral Reef Monitoring Plan. [Status : ?](#)
- FY00: DEQ will conduct a triennial review of CNMI Water Quality Standards and revise as necessary
- FY01: DEQ will collect and analyze data for watersheds designated as Category IV in the Unified Watershed. The Watershed Working Group will then categorize those watersheds.
- FY02-03: Establish baseline water quality data at marinas: inventory existing monitoring data and provide data to managers and the public for use in performing water quality assessments and establishing baseline conditions; identify marinas where recent monitoring data are not available and develop a plan to assess water quality and establish baseline data at these marinas; assess water quality at marinas and determine baseline data.
- FY03: Develop a monitoring plan that includes information regarding the number and location of monitoring stations, the types and frequency of water quality data being collected, methods for tracking management measure implementation, and the analytic approaches that will be employed in conjunction with existing monitoring

efforts to assess the success of management measures in achieving water quality objectives.

- FY03: 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 the effect of nutrient levels on the environment and public health. Revise nutrient criteria in CNMI Water quality Standards if deemed necessary.
- FY04: Review and update the Nonpoint Source Pollution Prevention and Control Program Strategy.
- FY09: Review and update the Nonpoint Source Pollution Prevention and Control Program Strategy.
- FY13: Conduct a follow-up study to FY03 project to determine if the amount of nutrients in CNMI waters has been reduced.
- FY14: Review and update the Nonpoint Source Pollution Prevention and Control Program Strategy.

2c. Short-term goal: Restore watersheds designated as Category I in the CNMI's Unified Watershed Assessment. These watersheds do not meet or are faced with imminent threat of not meeting clean water and other natural resource goals.

Category I watersheds are: Takpochao, Kagman, Susupe, Lau Lau, and Achugao -- Saipan; Makpo and Puntan Diaplo-Lamanibot -- Tinian; Sabana/Talakhaya/Palie, Songsong, Uyulan Hulo/Teteto, and Dugi/Gampapa/I Chenchon -- Rota; and Pagan, Anatahan, and Agrihan -- Northern Islands.

Milestones:

- FY00: Develop Watershed Action Strategies for all watersheds.
- FY00-06: Implement Watershed Action Strategies for Category I watersheds.

2d. Short-term goal: Take preventive action in Category II watersheds to sustain water quality and aquatic ecosystems.

Category II watersheds are: Banaderu, Kalabera, As Mautis, and Isley -- Saipan; Masalok, Carolinas, and Aguijan -- Tinian; Chaliat/Talo -- Rota; and Sarigan, Guguan, Agrihan, Asuncion, Maug, and Farallon de Pajaros -- Northern Islands.

Milestones:

- FY07-14: Implement Watershed Action Strategies for Category II watersheds.

Short-term goal: Require an extra measure of protection for Category III watersheds, which are pristine or sensitive watersheds on federal lands.

Category III watersheds are: Puntan Tahgong on Tinian and Farallon de Mendinilla in the Northern Islands.

Milestones:

- FY00-ongoing: All CNMI and federal regulatory agencies will ensure the military complies with the Environmental Impact Statement for Military Training in the Marianas.

3. Long-term goal: Instill a sense of stewardship into the general public to gain their support in protecting the health of the watersheds and coral reefs.

Short-term goal: Instill a sense of stewardship into the children of the CNMI to gain their support in protecting the health of the watersheds and coral reefs.

Milestones:

- FY99: DEQ will produce a video that demonstrates how appropriate Best Management Practices prevent nonpoint source pollution and protect coral reefs. (Funding: FY97 CWA 319)
- FY00-02: The Environmental Science classes at the Northern Marianas College will develop and implement a student-led wetlands monitoring program. (Funding: FY99 CWA 319)
- FY00-04: DEQ and CRM will develop a public education program on nonpoint source pollution that targets school-age children. The program will include NPS curriculum, a media campaign, volunteer monitoring programs, and special activities for Environmental Awareness Week and Coastal Month.

4. Long-term goal: Prevent the increase of total suspended solid (TSS) loadings and associated contaminants in surface water, as the result of new development.

Short-term goal: Prevent the increase of TSS loadings and associated contaminants in the surface waters as a result of new development in Category I watersheds.

- FY99-00: Create a constructed wetlands in American Memorial Park to demonstrate how constructed wetlands can be used to treat stormwater runoff. (Funding: FY99 CWA 319) **Status: Completed**
- FY00-ongoing: Require all new agriculture homesteads in Dugi/Gampapa/I Chenchon Watershed to follow the earthmoving and erosion control plans developed as a part of the Division of Public Land's CRM permit application. **Status: Ongoing Enforcement.**
- FY00-ongoing: Require all CRM permit applicants for homesteads to develop and implement earthmoving and erosion control plans for the entire homestead. **Status : ?**
- FY01: Review existing rainfall data for Saipan, Tinian, and Rota and identify locally-appropriate approaches to meet management measures listed in the 6217 'g' guidance book.
- FY01: Conduct workshops for DEQ, CRM, and DPW inspection and enforcement staff, and contractors, on how to inspect, design, and construct appropriate stormwater control mechanisms.

5. Long-term goal: Reduce the contamination of surface, ground, and marine water from pesticides and other toxic chemicals by 75 percent by 2014.

Ongoing: NMC will train and license pesticide applicators; and DEQ will conduct field investigations and monitor pesticide application, storage, and container disposal.

- FY99-00: Conduct household hazardous waste drives on Saipan, Tinian, and Rota. (Funding: CWA 319) **Status: Saipan has been completed. Tinian and Rota will have waste drives next month, 8/2000.**
- FY99-00: Demonstrate the efficiency and safety benefits of pesticide chemical mixing stations to farmers by constructing mixing stations and conducting workshops. (Funding: FY97 CWA 319)
- FY00: Produce brochures in English, Chinese, Chamorro, Carolinian, and Tagalog that explain management measures that can be implemented by farmers to reduce the amount of pesticides from farms polluting our water. (Funding: FY97 CWA 319) **Status:**

Brochures are currently at the printer with a small translation problem in the Chamorro and Carolinian languages.

- FY00-02: Conduct an Integrated Pest Management (IPM) assessment and training project, which includes water quality and pesticide residue testing, pest scouting, training classes, and one-on-one assessments for farmers in the Kagman, Marpo, and Sabana/Talakahaya/Palie Watersheds. (Funding: FY99 CWA 319)

6. Long-term goal: Slow the rate of wetland losses in the CNMI and provide incentives to landowners to restore wetlands.

- FY99-ongoing: NRCS will encourage landowners to apply for Wildlife Habitat Incentive Program (WHIP) grants to restore wetland habitat on their property.
- FY99-01: DEQ will complete the Wetland Assessment Methodology for Saipan's depressional wetlands.
- FY01-02: DEQ, CRM, DFW, and DPL will conduct a functional inventory of all Saipan's depressional wetlands using the completed methodology.
- FY03-04: DEQ, CRM, DFW, and DPL will determine the societal values of Saipan's wetlands.
- FY05: DEQ, CRM, DFW, and DPL will revise the CNMI's wetlands management plan.
- FY06: DEQ will revise the CNMI's Water Quality Standards to include appropriate standards for wetlands.
- FY07: CRM and DEQ will incorporate the revised wetlands management plan into the CNMI's Coastal Nonpoint Source Pollution Prevention and Control Plan

