



Sustainable Human Development Program (SHDP)

(Center)

[2016] PROJECT ACCOMPLISHMENT REPORT

I. Project Information

Project Code	HDRDR
Project Title	Study on Benchmark Data on Pollution Load from Livestock Resources (Point Sources)
Project Start	November 3, 2014
Project End	August 5, 2016
Project Price	PhP 4,500,000.00
Client/Organization	Development Academy of the Philippines

II. Project Team

Project Manager	RL Jerlyn H. Oliva
Project Team Members	Mary M. Sagapan Rose Ann P. Santiago Jenneffer A. Casalan
Supervising Fellow	Alan S. Cajés
Project Director	Alan S. Cajés
Consultants/ Resource Persons	Eduardo Bornilla Jr. Adonis Tio

III. Project Details

Project Description	As part of the many efforts to reinstate the Manila Bay, the Supreme Court of the Philippines in February 2008 issued a mandamus for the cleanup, rehabilitation, restoration, and preservation of the Bay. This ruling ordered concerned government agencies, with the Department of Environment and Natural Resources as lead, to come up with a baseline data on the overall quality of water of Manila Bay. In particular, the DA-BAI was tasked to spearhead the generation of baseline information on the estimated load from livestock in Manila Bay Water System.
Project Objective	The general objective is to establish the baseline data on pollution load from point sources (i.e. livestock and poultry). Specifically, it aims to (1) Determine the level or concentration of pollution in different tributaries/rivers contributing to the pollution of Manila Bay; (2) Describe the livestock resources and assess livestock practices in select areas in eight (8) provinces; and (3) Develop a monitoring and evaluation instrument and recommend the most appropriate mitigation measures for livestock production.
Focus Area	Environment and Health
Project Type	Technical Assistance and Research
Project Beneficiary	Manila Bay Mandamus Agencies (BAI, DENR, DA, MBCO, LLDA, other agencies)
Regional Coverage	Region III, Region IV-A

IV. Project Accomplishments

Key Activities Implemented	<ul style="list-style-type: none"> Project design was presented, clarified and approved by the Bureau of Animal Industry. A project inception report was submitted incorporating the BAI's comments and suggestions to the inception report. The survey questionnaire on practice and waste management of livestock
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	<p>farm owners was pilot tested in the Provinces of Batangas, Rizal, Bulacan, and Nueva Ecija.</p> <ul style="list-style-type: none"> • Data gathering activities such as key informant interviews, focus group discussions, documents review, and review of related literature were conducted. • Nonpoint source water sampling in Regions 3 and 4a. • Completed survey and point source water sampling in certain municipalities and cities in the Provinces of Pampanga and Bulacan. • Results presented to different government agencies and stakeholders. • IEC materials distributed among farmers.
Major Outputs	<ul style="list-style-type: none"> • Inception report and work plan • Livestock benchmarking and best practices • Map of livestock facilities • Survey instrument • Fieldwork guides • Survey and laboratory results • Level/concentration of pollution loading from different rivers/tributaries draining to Manila Bay • M&E instrument • Project report
Project Outcome/Impact	<p>The baseline data is intended to be a foothold for national and local government and agencies as well as stakeholders to champion in cleaning up the bay. Specifically, the project will have significant impact to the following:</p> <ul style="list-style-type: none"> • Department of Environment and Natural Resources (DENR). This study will serve as the baseline for rehabilitation of the rivers draining to Manila Bay, aid for decision making, review, formulation, and/or adoption of new water quality standards, improvement of existing environmental laws and development of watershed management plan. • Local Government Units (LGU). As input to different LGU's environmental management program on surface waters, basis for the proposal of budget allocation for environmental projects, and guide for the formulation of city/municipal ordinances for the disposal of wastewater effluent. Similarly, the study may provide criteria for the design of city/municipal wastewater treatment plant to reduce surface water pollution. • Stakeholders. This study will provide information for possible actions towards proper management of wastewater. • Future Researchers. The study may serve as reference for future studies.
Lessons Learned	<p>Through this project, the team learnt that acquisition of data is difficult. For one, the datasets (i.e. number of farms per barangay) that the project is looking for are considered special- meaning not regularly acquired or surveyed. Most of the key informant interviewees also label these datasets as confidential as many of the farm owners are afraid of the DENR, being the regulatory body on environment. The team needed to ensure confidentiality of the data.</p>
Planned Activities for the Year (2017)	NA



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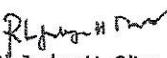
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V. Attachments

Prepared by:


RL Jerlyn H. Oliva
Project Manager

Noted:

Dorothea C. Boy-Navarro
Program Manager

Noted / Approved by:


Alan S. Cajes
Center Head