

NOTE TO FILE

To: S. Adrian Ross
Acting Executive Director

From: Robert Jara

Subject: Meeting on Manila Bay Modeling Projects, August 13, 2012, Conference Room
for Planning, DENR, Quezon City

1. A meeting was convened by the World Bank to review, assess the different on-going and proposed modeling projects in the Manila Bay Area. The meeting aims to identify areas of duplication or complementation among the different projects in order to maximize or share resources. The list of participants for the integration workshop is given in Annex 1.
2. The meeting identified the projects in the Manila Area with a modeling and database component, namely:

Completed Projects

- a. Pasig River Rehabilitation Project an ADB and DANIDA assisted-project which used the Mike 11 Software to determine pollution loading in the Pasig River. Implemented then by the DENR-EMB.
- b. Marilao-Meycauyan-Obando River Project, a component of a JICA assisted project Capacity Development on Water Quality Management implemented by the DENR – EMB.
- c. Study on Hypoxia in the Manila Bay, a project implemented by the UP Marine Science Institute

On-going Projects

- d. Manila Third Sewerage Project a World Bank assisted, being implemented by the DENR-EMB
- e. Total Pollution Loading of the Laguna de Bay-Pasig River and Manila Bay Watershed, a PEMSEA and LLDA joint project
- f. ISHER, a database administered by the Manila Bay Coordinating Office
- g. UNEP/GEF Foundations for reducing Nutrient Enrichment and Oxygen depletion from Land-based Pollution, in Support of Global Nutrient Cycle

Proposed Projects

- h. Total Pollution Loading of the Manila Bay a proposed World Bank assisted project to be implemented under the coordination of the Manila Bay Coordinating Office.

3. A brief discussion on the status of the modeling component of each, and in the discussion the Total Pollution Loading of Laguna de Bay-Pasig River and Manila Watershed is the most recent activity and it was mentioned that the project will still continue, to address the issue of coefficient and default values used and gathering of more data from the monitoring of the industry. Mr. Adrian Ross distributed a copy of the draft report of the TPL to all participating institutions.

4. After the discussion of the various modeling programs the following were agreed/noted in the conduct of any modeling activities:

- a) The application of different models is alright, so long as the assumptions are made are clear,
- b) Thus, there is a need to establish or agree on a common reference for the default values or assumptions in all the models.
- c) There is a need to have a common database of the all the data gathered and used to be accessible to all interested parties.

5. The Total Pollution Loading of the Manila Bay a proposed World Bank assisted project to be implemented under the coordination of the Manila Bay Coordinating Office is still under evaluation and review. The said project will initially look into DO, BOD and will be implemented in a period of two years following its approval.

6. Mr. Gaerlan, informed the participants that data in their ISHER can be requested from their Office.

1. **Annex 1.** List of participants

Manila Bay Coordinating Office

1. Noel Gaerlan

World Bank

2. Joe Tuyor
3. Gerardo Parco

Laguna Lake Development Authority

4. Leonor Santos- Borja
5. Emil Hernandez
6. Carol Panganiban

UP Marine Science Institute

7. Gil Jacinto
8. Cesar Villanoy
9. Lara Sotto

UP Institute of Hydraulics

9. Guillermo Tabios

PEMSEA

10. Adrian Ross
11. Nancy Bermas
12. Robert Jara