

The Environmental Management Bureau – 7 through its Solid Waste Management Section (SWMS) turned over a detailed Feasibility Design of a Category 4 Sanitary Landfill (SLF) with Septage Treatment Plant (STP) complete with an Integrated Facility for Total Solid Waste Management for LGU Daanbantayan, Cebu

The Environmental Management Bureau – 7 through its Solid Waste Management Section (SWMS) turned over a detailed Feasibility Design of a Category 4 Sanitary Landfill (SLF) with Septage Treatment Plant (STP) complete with an Integrated Facility for Total Solid Waste Management for LGU Daanbantayan, Cebu last October 8, 2021 at Golden Prince Hotel. The above project would require a total amount of PHP 96 Million for a 2 Hectare area that would serve the LGU for more than 11 or more years once fully implemented, and the study alone was done by EMB7 hired civil engineers without a single cost for the LGU. The said event was graced by the presence of the EMB National Director Engr. William P. Cuñado, EMB Assistant Director Engr. Vizminda A. Osorio, EMB 7 Regional Director Lormelyn E. Claudio, CESO IV, Daanbantayan Hon. Mayor Sun J. Shimura, and other EMB staffs and LGU Daanbantayan MENRO Office Headed by Engr. Mamerto Rodrigo.

LGU Daanbantayan has been identified by DENR EMB as one of the LGUs who has successfully implemented its 10 Year Solid Waste Management Plan through various solid waste management diversion methods approach such as strict enforcement of the No segregation/No collection, trash for rice exchange, eco bricks, eco stuff toys, eco Christmas decorations, eco blocks, eco pavements and many more. Even though with these implemented methods, there are still a huge amount of net residual wastes temporarily stored at the LGU's Residual Containment Area (RCA) which are almost at its full capacity and considering that the nearest Sanitary Landfill is situated almost 70 km, it is still unclear where these wastes, which are temporarily stored at its RCA, will be finally disposed.

In collaboration with LGU Daanbantayan, EMB, and Mines and Geosciences Bureau Region 7 (MGB), the LGU was able to identify a SLF site during the year 2018 for its proposed SLF which has passed its siting criteria based on the National Solid Waste Management Commission (NSWMC) Resolution 64, Series of 2013 otherwise known as "ADOPTION OF MODIFIED GUIDELINES ON SITE IDENTIFICATION OF CRITERIA AND SUITABILITY ASSESSMENT PROCEDURE FOR SANITARY LANDFILLS".

On May of 2021, with the instructions of the Undersecretary for Solid Waste Management and Local Government Units Concerns Usec. Benny D. Antiporda, EMB Director William P. Cuñado issued a memorandum addressed to all EMB regional Offices to hire Geologists and Civil Engineers capable of designing a detailed feasibility study on the SLF design and costing wherein upon turnover, it is expected that it will be the basis of its implementation. Since July 2021, EMB Region 7 through the leadership of RD Lormelyn E. Claudio, has hired, trained, and deployed these civil engineers to LGUs who had already passed its SLF siting criteria, with LGU Daanbantayan as its first LGU recipient of such technical assistance.

On October 2021, the detailed FS has been completed in less than 3 months wherein aside from just being an SLF, the EMB7 team has upgraded the requirement that would cater centralized Septage and Treatment Plant with a capacity of 60cum/day and an Integrated Facility for Total Solid Waste

Management (Composting, Alternative Fuel for Cement Plants, etc.). The detailed FS would guide the LGU on the 1.) Detailed design and drawings 2.) Bill of Materials/ Costing per Activity 3.) Total Possible Revenues from the Operations 4.) and Monthly Operating Expenses. The FS has also been broken down per component for the LGU to adjust its implementation depending on available funding.

This FS is a result of collaborative efforts done by other LGUs with best practices in terms of solid waste management then combined into one. This FS turnover is the first not only in the region, but nationwide and with its timely approach due to the Mandanas Ruling; Provides Opportunities for Improving Service Delivery Through Enhanced Decentralization, such technical assistance will be a key in providing support to all Local Government Units in terms of compliance to RA9003.