



TECHNOLOGY TRANSFERS



Design and Development of Groundwater Treatment System for Arsenic Removal

February 15, 2023

The project staff led the actual training and presentation. Everything that needed to be known about the groundwater treatment system was covered in detail, including how it operates, how long it will last, and what should and shouldn't be done when maintaining the system. To completely comprehend the groundwater treatment system, a question-and-answer phase was also completed. The recipients were then handed the operations and maintenance manual and the record logbook, which contained the pertinent information and dates for both the system and its component parts.



Design And Development Of An Industrial Wastewater Treatment For Irrigation Using Bio-Sand Filter Linked With Granular Activated Carbon Filtration System

May 5, 2023

The primary goal of this activity is to help the recipients by transferring technology with the intention of treating poultry wastewater with a granular activated carbon based on peanut shells and a bio-sand filter that has been devised and manufactured. It also seeks to fulfill DENR Administrative Order 2016-08's recommended parameter content for irrigation. The initiative or operation attempts to guarantee poultry-safe water by treating it for use in irrigation.





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Design And Development Of Solar-Powered Seawater Desalination Machine With Uv Sterilizer Using Reverse Osmosis System

March 27, 2023

The training and seminar activity aims to provide individuals and residents from Brgy. Sampaguita, Bauan, and Batangas with insights and thorough understanding of the developed solar-powered seawater desalination machine with a UV sterilizer using a reverse osmosis system. All of the activity's recipients were given a thorough explanation of the solar-powered desalination equipment, including all pertinent features. It was also detailed how to operate the machine and all of its system components, as well as the dos and don'ts of system operation, correct system maintenance, and the lifespan of each system component.



Design And Development Of Seawater Desalination System Using Forward- Reverse Osmosis

May 5, 2023

The main objective of this project is to provide assistance to the beneficiaries through technology transfer that aims to develop a desalination system that will supply more clean water sources for the resort's use and guarantee that the water's quality is within allowable bounds. The creation of a system utilizing forward-reverse osmosis is covered in this study. Its objective is to find a solution to the problem of how to remove pollutants from seawater by using this membrane material. It will be addressed by emphasizing the advantages of using clean, safe water production in this procedure.

