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Development and Analysis of SewageTreatment System usingHydrousPyrolysis

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Abstract: Today humankind is facing acute shortage of water due the uncontrolled pollution and excessive usage of water. The cause of various diseases is the contaminants in water, so it is important to recycle and reuse water to maximum extend. Inadequate treatment of wastewater allows bacteria, viruses, and other disease-causing pathogens to enter groundwater and surface water and contaminate, so there is need for effective Onsite treatment system. In order to meet this demand of water and to provide a better wastewater system, an attempt has been made to design a Onsite sewage treatment system employing the technique of Hydrous pyrolysis. This treatment system is to be employed in the place of septic tanks in domestic and Industrial buildings. A model of Hydrous Pyrolysis Treatment System is constructed using suitable material and sewage water is treated and the corresponding results are stated. The advantage of this system is compared with other methods of sewage treatment.

Keywords: Sewage water, Treated water, Prototype, Hydrous Pyrolysis Treatment (HPT) system.

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