THE USE OF THE BIOMASS IN THERMAL PLANTS WITH RECOVERED COMPONENTS

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ABSTRACT

In Romania there are still operating (or in working conditions) steam boilers, hot water boilers, warm water boilers, in various companies. Some of these boilers are placed in afforested regions, where forest exploitations (and sometimes wood manufacturer units too) are operating. These companies produce important amounts of wood material (waste) of various shapes, unusable in industry.

Unfortunately, in Romania, wood waste is generally not used very much and it is stored at random and it becomes pollutant. This waste is industrially unusable but it could be burned in the furnaces of some existing boilers (after reasonable changes) or in especial new external furnaces which can be attached to the existing boilers instead of their original burners. Such possibilities are analyzed in the present work.

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