

ABSTRACT

The Petroleum Refinery is the single crude oil refining unit in Sri Lanka located at the Sapugaskanda owned by Ceylon Petroleum Corporation. The refining process of the crude oil and produce the valuable petroleum products is a huge process and it is carried out in several kind of units established in the Refinery.

The study was carried out to identify the resource wastage of utilities in terms of waste and present it in a CP audit. Each of the units and their processes have been carefully studied by this project and identified to discover that there are so many resource wasting points Such as pipe leaks, tank overflows, evaporation etc. The resource wastages were quantifies and presented in a material balance.

It was identified that the wastages are due lack of proper monitoring system, unidentified equipment break downs and mainly neglect .

The causes of the waste generation and the all possible prevention methods that can be implemented have been studied and reported in this working period. As well as the annual cost that spent by the CEYPETCO for each wastage points has been evaluated statistically.