

An Application Of Operation Management Disciplines In Improving The Productivity And Efficiency Levels At The Repacking Area Of The Pfc Corporation

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Abstract

This microeconomic study presents the depiction of the current operation techniques at the repacking area of the PFC Corporation, which describes the operation management aspects in the process selection, the facility layout, the management of inventory, the quality, and the waste for each respective proposition. The objective of this study is to identify problems in the repacking area of the company and to provide solutions to the problems encountered in the area in order to improve its productivity and efficiency. The research was conducted at the feed mill plant located at Calajo-an Minglanilla Cebu City. The researchers used document analysis, personal interviews with guide questions and an observation of the repacking area to collect pertinent data. The gathered data was treated and analyzed through the use of a Cause and Effect diagram, a Swim Lane diagram, a Micro Motion Study, a Cost benefit analysis, and a Comparative Analysis. In this study, it was found that there are five problems with the four management aspects that have led to high operating costs. Recommendations to PFC Corporation include the reduction of the number of workers based on the average desired output of 110 bags of the standard cycle time, the purchasing of customized manual fillers that can fill up exactly 1kg. of pellets, the re-arrangement of the layout of the repacking area in order to lessen the time in transporting the raw materials and the finished product, and the standardization of the withdrawal slips and record books.