CLEANER PRODUCTION FACTSHEET

AL-LAKLOUK DAIRY PROCESSING PLANT

BACKGROUND

Al-Laklouk Dairy has 25 employees. It receives around 4000 litres of milk everyday. Al-Laklouk produces yoghurt, labneh, halloum cheese, double crème, akkawi cheese and butter. The milk is analysed and pasteurised to guarantee highest hygienic standards. For the production of yoghurt, the milk is inoculated and fermented. The product is ripened and packed. For the production of cheese the protein is coagulated. Then the whey is separated, if necessary salt is added and the cheese is ripened and packed.

Selection of products from Al-Laklouk Dairy

EVALUATION STATEMENT FROM AL-LAKLOUK DAIRY

During the months of September, November 2004 and February 2005, we have participated in workshops dealing with Cleaner Production organised by the Lebanese Cleaner Production Centre.

The workshops were highly beneficial to us as a Dairy Processing company. The concepts taught were highly applicable and helped us in reducing water and diesel consumption, as well as the use of plastic ware.

We are most grateful to the organisers and we hope more workshops of that sort will be held continuously.
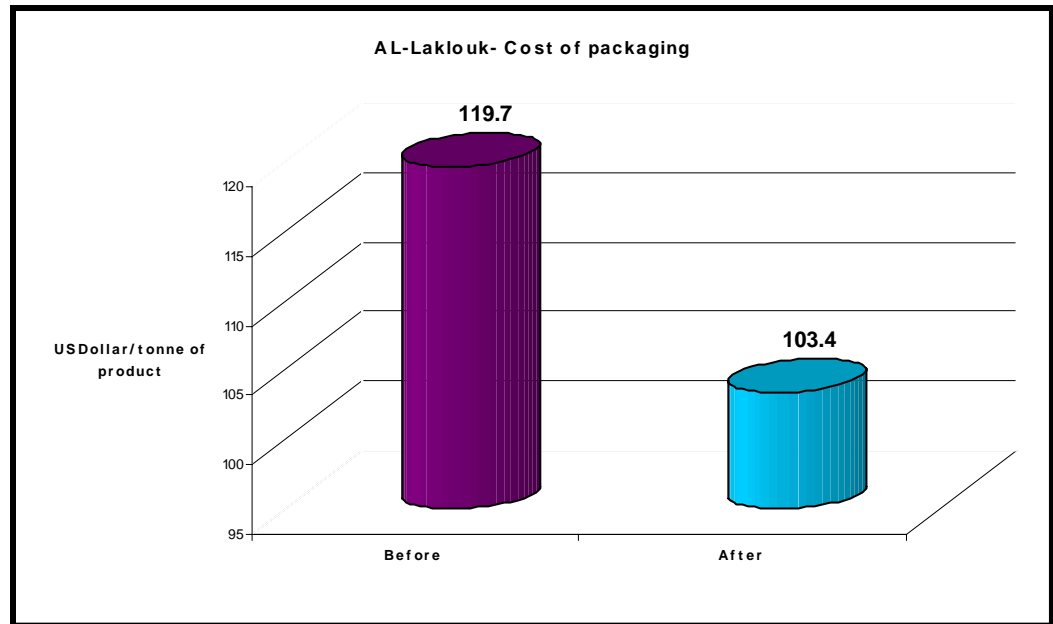
Mr. Charbel Nasr,
Owner,
Al-Laklouk Dairy.

CP OPTIONS IMPLEMENTED AT AL-LAKLOUK DAIRY

- New packaging with less raw material
- New tank for crate washing
- Bigger containers for cheese making
- Insulation of steam pipes
- Reduction in water consumption by training the employees

SAVINGS ACHIEVED AT AL-LAKLOUK DAIRY

The application of these measures **saved $17,000** at an **investment of $2,600**.
An example on the savings in the cost of packaging is illustrated in the graph below.

AL-Laklouk- Cost of packaging

US Dollar / tonne of product

Before: 119.7
After: 103.4

The boiler at Al-Laklouk Dairy is illustrated below before and after insulation:

BEFORE

AFTER

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