

CLEANER PRODUCTION FACTSHEET

Lebanese Fiber Company s.a.l LEFICO



BACKGROUND

Lebanese Fiber Company s.a.l – LEFICO is the first PET Polyester Staple Fiber producer in the Middle East. It was established in 2004 in the Bekaa Valley. LEFICO has 50 employees. The main product is polyester staple fiber, made from virgin material or PET flakes, and used in various applications. Its green policy and respect for the environment are the pillars of its development. It retrieves plastics bottle to produce PET flakes, used in fiber production; it has become one of the major recycling pioneer enterprises in the Middle East.

EVALUATION STATEMENT FROM LEFICO

We would like to thank the LCPC and UNIDO program for their efforts paid to reduce operational cost in LEFICO s.a.l.; This cooperation leads to better energy savings, cost saving and waste managing; therefore using less resource with best product and more revenues.

“We really need like these programs in Lebanon to improve the industrial sector taking into consideration all environmental aspects”, said Mr. Halbawi.

Mr. Ahmad Halbawi
General Manager

CP OPTIONS IDENTIFIED AT LEFICO

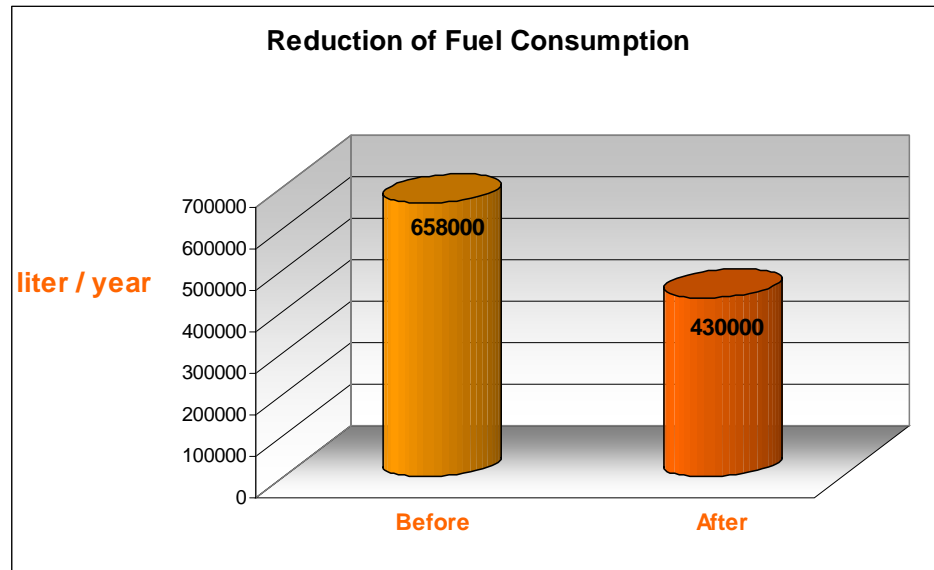
- Check the lighting for automatic control (censors, dimmers)
- Insulate condensate return system
- Clean boiler regularly
- Provide oxygen control for boiler
- Check efficiency of thermo oil system
- Check feasibility of incineration small flakes & refused bottles

CP SAVINGS ACHIEVED AT LEFICO

The application of the last CP option will save 87 000 USD at an estimated investment cost of 50 000 USD for a purchase of a small incinerator.



LEFICO, by purchasing an incinerator for benefiting from around 700 kg/day refused bottles and 8 t/year small flakes, will reduce the fuel consumption per year up to 228 tons.



Unused and refused plastic bottles and small flakes at LEFICO will be sent for incineration as illustrated in photos below:



Refused bottles: 700 kg/day



Small flakes: 8tons / year



CONTACTS

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