Treatment Of Wastewater Generated Through Rendering of Animal Fat Trimmings

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Project Goal: Design a wastewater treatment system for safe disposal and/or recycling of wastewater produced at the facility.

- The design incorporates a scheme of wastewater treatment system to help TimCo Foods reduce its cost of disposal operations and resolve its wastewater management issues
- Maximum daily edible fat trimmings processing rate at 59,500 Kg/day
- Daily generation of 3000 litres of wastewater
- Bi-weekly disposal cost of $1000

Process Diagram - TimCo Foods

- The system has been designed to treat up to 15000 litres of wastewater keeping in mind prospects for future expansion at the facility
- Taking into consideration the time value of project cost into account, the project proves to be a feasible venture to entitle the user over 10% rate of return at an annual inflation rate of 6% for a period of 20 years of operation and maintenance

Schematic Layout - TimCo Foods