

Case Profile: Vegetable screening



Client: Rowbotham Ltd

Project Background

Rowbotham is a vegetable processor involved in washing, peeling and dicing of various type of vegetables. As a result of these activities, they were producing an effluent loaded with gross solids, and although there is a demand for the solid portion for animal feed, the entrained liquid always causes a problem. Simply to dispose of the total effluent down the drain to trade effluent would generate enormous costs.

Project Scope

To intercept and collect the effluent discharge from the factory and separate them into two products, which could be easily handled.

Scope of Work

To design, manufacture and install a cost effective and efficient effluent screening system.

Equipment Supplied

- A model 600 mechanical screen
- A support structure and access gantry to elevate the screen to allow solids discharge into a trailer or skip.
- Screen supply pumps
- All interconnecting pipe work
- A fully integrated control panel which allows fully automatic operation of the equipment supplied.
- A secondary alarm circuit which indicated high pit level.

The system is designed to operate on demand, being automatically initiated by the rising reception pit level .



Installation

Complete mechanical installation was undertaken by Pollution Control (UK) engineers including all electrics and alarms. The system was fully operational in under ten days.

Results

A reduction in trade effluent charges has been made as a result of the removal of gross solids. Also a reduction in transport costs have been achieved as a result of a dryer and more stackable solid