



# PROJECT PROFILE

## CASS™ - Cyclic Activated Sludge System



**Dairy Products Factory**



**CASS™ SBR Basin under construction**

**Location:** Alexandria, Egypt  
**Client:** Inter-agro Industrial Products  
**Type:** Dairy Products Wastewater Treatment Facility  
**Value:** Not Disclosed  
**Date:** Under Construction. Commissioning due October 2003

### Project Description:

This facility was designed as a complete treatment system for the wastewater discharged from a dairy products factory.

Earth Tech are providing detail process design, equipment manufacturing and supply, start-up, commissioning and plant optimization, after- sales support, and process performance guarantees.

Inter-agro Industrial Products are one of the leading manufacturers of dairy products in Egypt.

The plant comprises inlet equalization, pumping, dissolved air flotation, pH correction, nutrient addition single CASS™ SBR basin with RRC™ dissolved oxygen control, and effluent disinfection system. Aerobic sludge digester, thickening and dewatering facilities are also provided for waste activated sludge treatment.

The plant is designed for an average flow of 800 m<sup>3</sup>/d and the treated effluent will be used for crop irrigation.

Design Flow: 0.21 MGD (800 m<sup>3</sup>/d)  
Influent Conditions: BOD<sub>5</sub> 1800 mg/L, TSS 500 mg/L  
Effluent Standard: BOD<sub>5</sub> 60 mg/L, TSS 60 mg/L