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**Results of Using Biofeed's Prebiotic Products  
at the Nan Ya Plastics Corporation Su-Lin Petrochemical Plant  
Taipei, Taiwan**

**ABSTRACT**

A 60-day pilot program was initiated on March 14, 1997. After just 30 days of using a combination of Biofeed AERO™, NUTREX™ and CHETROL™, Nan Ya Plastics was satisfied with the results, has ordered more products and is committed to utilizing the program.

**BACKGROUND**

Taiwan's effluent regulations were changed in 1998 lowering the acceptable limits of Chemical Oxygen Demand (COD) of effluent streams from 200 mg/l to 100mg/l. Nan Ya Plastics was searching for cost effective technology to lower the COD of its effluent stream.

**PROCEDURE**

The Su-Lin Plant has a flow rate of nearly 800,000 gallons per day and utilizes a primary treatment that includes equalization tanks for chemical treatment and a secondary treatment that uses activated sludge an aeration tank and clarifier.

**RESULTS**

During the testing period, the following results were observed and documented:

- Enhanced bio-treatability and more overall plant stability
- Significant reduction in effluent COD to well under new standard of 100 mg/l
- Reduction in odors, increased visibility and sludge separation
- Decrease sludge volume

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