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**Results of Using Biofeed® 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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