



WASTEWATER TREATMENT PLANT, LEADING NUTRITION COMPANY

WOG Technologies executed a comprehensive wastewater treatment solution for Mead Johnson Nutrition's state-of-the-art manufacturing complex in Tuas, Singapore

The facility required a robust system to ensure reliable, compliant effluent management for its pediatric nutrition production processes. The solution needed to ensure regulatory compliance, seamless integration with operations, and long-term reliability under a full design-build-operate (DBO) model.

Technologies Used

- Screening
- EQ Tank
- Neutralization Tank
- Off-Spec Tank
- Automated Penstock

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Challenges

- High organic load: BOD 2000 mg/L, COD 2500 mg/L.
- Consistent treated water quality needed for safe discharge.
- Integrated DBO delivery with minimal disruption.
- Reliable performance through ongoing O&M.

Solutions


- Design, engineering, manufacturing, and supply of equipment.
- Complete installation, commissioning, and start-up.
- Training, performance validation, and long-term O&M support.

The system was tailored to neutralize high-strength effluent and ensure compliant discharge.

Results

PARAMETER	INLET	OUTLET
Flow Rate m ³ /day	700m ³ /day	700m ³ /day
BOD	2000 mg/l	<300 mg/l
COD	2500 mg/l	<100 mg/l
TSS	350 mg/l	<100 mg/l

For detailed techno-commercial proposal or site visit coordination,

 **Drop us an e-mail at:**
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Impact

- Regulatory compliance achieved
- Consistent treatment performance
- Zero disruption during commissioning
- Reliable long-term O&M efficiency