# CASE NARRATIVE

**Mars Chocolate North America, LLC**
**Project Name: W.T.P. Final Effluent 2025**
**Project # N/A**
**Chemtech Project # Q1070**
**Test Name: Oil and Grease,Color,Ammonia,BOD Soluble,Phosphorus-Total,TDS,COD,BOD5,TSS**

## A. Number of Samples and Date of Receipt:
4 Water samples were received on 01/10/2025.

## B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, BOD Soluble, BOD5, COD, Color, Oil and Grease, Phosphorus-Total, TDS and TSS. This data package contains results for Oil and Grease,Color,Ammonia,BOD Soluble,Phosphorus-Total,TDS,COD,BOD5,TSS.

## C. Analytical Techniques:
The analysis of Oil and Grease was based on method 1664A, The analysis of Phosphorus-Total was based on method 365.3, The analysis of Color was based on method SM2120 B, The analysis of TDS was based on method SM2540 C, The analysis of TSS was based on method SM2540 D, The analysis of Ammonia was based on method SM4500-NH3, The analysis of BOD Soluble,BOD5 was based on method SM5210 B and The analysis of COD was based on method SM5220 D.

## D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample 1 EFFLUENT COMPOSITE was diluted due to high concentrations for Phosphorus, Total.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

## E. Additional Comments:

Q1070-01 sample was analyzed with 20X straight Dilutions for Color, Due to brown matrix.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.


Signature_____