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CASE NARRATIVE

METEM A GE POWER Business

Project Name: Tank Farm - Acid Analysis

Project # N/A

Order ID # Q1944

Test Name: pH,Alkalinity,Phenolics,TKN,Ammonia,Acidity

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 05/02/2025.

2 Water samples were received on 05/02/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Acidity, Alkalinity, Alkalinity, Ammonia, Mercury, Metals ICP-TAL, METALS-TAL, pH, Phenolics and TKN. This data package contains results for pH,Alkalinity,Phenolics,TKN,Ammonia,Acidity.

C. Analytical Techniques:

The analysis of pH was based on method 9040C, The analysis of pH was based on method 9045D, The analysis of Phenolics was based on method 9065, The analysis of Acidity was based on method SM2310 B, The analysis of Alkalinity was based on method SM2320 B, The analysis of TKN was based on method SM4500 N Org B or C and The analysis of Ammonia was based on method SM4500-NH3.

D. QA/ QC Samples:

The Holding Times were met for all samples except for CHILLER-WATER of pH, for CITY-WATER of pH.for MELTED-RUBBER-SAMPLE of pH. As these samples are received out of hold.

Sample MELTED-RUBBER-SAMPLE was diluted due to high concentrations for TKN & Sample CHILLER-WATER was diluted due to high concentrations for TKN.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (WATER-TREATMENT-DISCHARGEMS) analysis met criteria for all samples except for Ammonia Due to matrix interference.

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:

The time of sampling were not listed in the COC.

The initial weight for sample Q1944-01 was taken 0.5g instead of 1.0g for Phenolic and TKN due to very limited volume.



The fax and hardcopy is not matching for Phenolics. After fax, at the time of second review lab noticed associated CCV was out side of qc limits therefore these samples were reanalyzed and reported, Hard copy is reported correct.

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_____