QUALITY WORK INSTRUCTIONS (QWI)
SULFUR RECEIVING, FLAKING AND
BLOCKING

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1.0   OPERATIONAL INSTRUCTIONS
1. Plant Manager/Office Manager monitors the molten sulfur inventory and directs the Truck Driver accordingly.
2. Truck Driver pulls the sample for incoming inspection.
3. Truck Driver unloads molten sulfur into the designated storage area.
4. Plant Manager/Production Manager determines the bin to be used if flaking is required and starts up the flaker.
5. Plant Manager/Production Manager periodically monitors the flaker for proper operation.
6. Plant Manager/Production Manager maintains the Flaking Log indicating which bin is being filled each day.

2.0   INCOMING INSPECTION
1. The Truck Driver marks the sample with the Bill of Lading number, and delivers to the Quality Control Technician.
2. The Quality Control Technician checks Heat Loss, Color, and Odor for each pick up location daily and documents the analysis on the Incoming Molten Chart (Form 30) in the Incoming Inspection Log Book.

3.0   PROCESS CONTROL DOCUMENTATION
Data entry in the Incoming Inspection Log Book.

4.0   IN-PROCESS INSPECTION / TESTING
None

5.0   ACCEPT / REJECT CRITERIA
The specifications for quality are listed in Quality Work Instructions (QWI) Sulfur Analysis Procedures for Color, Odor, and Heat Loss. They are as follows:

COLOR   Within sample range
ODOR   Smell of H_2S, SO_2, or Petroleum
HEAT LOSS   .10% Maximum

6.0   CONTROL OF NONCONFORMING PRODUCT
In the event of nonconformance, the sulfur will be identified and segregated. Plant Manager / VP Manufacturing will be notified and a Nonconformance/Corrective Action (Form 12) will be initiated.

7.0   GAGES / TEST EQUIPMENT
Instruments used are the Scale, Oven, and Thermometer. Calibration details are described in the applicable QWI Calibration Procedures for the Scale, Oven, and Thermometer.

8.0   PRODUCT IDENTIFICATION AND TRACEABILITY
The Truck Driver writes the molten sulfur truckload Bill of Lading number on the bottom of the sample container. The Bill of Lading number is referenced by the Quality Control Technician on the Incoming Molten Chart (Form 30). The Flaking Log lists the date and bin # where material is stored.