

QUALITY WORK INSTRUCTIONS (QWI) SULFUR ANALYSIS PROCEDURE ODOR

Document #: QWI-12

Revision #: 0

Effective Date: 12/2/09

1.0 EQUIPMENT NEEDED

Mortar and pestle
Incoming Molten Chart (Form 30)

2.0 PROCEDURE

- (1) Crush the sulfur in a mortar to a fine powdery state.
- (2) Place the sulfur sample near the nose and draw your hand across the sample surface to pull any odor to the nose. This procedure is designed to protect the operator.
- (3) Indicate pass "√" or fail "X" on the Incoming Molten Chart (Form 30) in the Incoming Inspection log book. A pass "√" would indicate no odor, while a fail "X" would indicate contaminated sulfur. The odor would indicate the type of contamination, i.e. rotten egg odor (H₂S), burning sulfur (SO₂), oil (hydrocarbons), etc.
- (4) Only contaminated sulfur will have an odor. Any fail "X" response must be reported to the Plant Manager. Report the condition, sulfur supplier, and date received.