



## ***SULPHUR RECOVERY PLANTS***

Client: \_\_\_\_\_ Date: \_\_\_\_\_

Project: \_\_\_\_\_ Contact: \_\_\_\_\_

Location: \_\_\_\_\_ PSL Reference: \_\_\_\_\_

### **1. PROCESS DATA**

1. \_\_\_\_\_

#### **1.1 Gas Flowrate**

1.1 \_\_\_\_\_

Source: \_\_\_\_\_

\_\_\_\_\_

Maximum - MMSCFD \_\_\_\_\_

\_\_\_\_\_

Minimum - MMSCFD \_\_\_\_\_

\_\_\_\_\_

#### **1.2 Inlet Pressure**

1.2 \_\_\_\_\_

Maximum - psig \_\_\_\_\_

\_\_\_\_\_

Minimum - psig \_\_\_\_\_

\_\_\_\_\_

#### **1.3 Inlet Temperature**

1.3 \_\_\_\_\_

Maximum - F \_\_\_\_\_

\_\_\_\_\_

Minimum - F \_\_\_\_\_

\_\_\_\_\_



1.4 Gas Composition

1.4 \_\_\_\_\_

<u>Component</u>	<u>Mole %</u> _____	_____
He	_____	_____
N <sub>2</sub>	_____	_____
CO <sub>2</sub>	_____	_____
H <sub>2</sub> S	_____	_____
C <sub>1</sub>	_____	_____
C <sub>2</sub>	_____	_____
C <sub>3</sub>	_____	_____
iC <sub>4</sub>	_____	_____
nC <sub>4</sub>	_____	_____
iC <sub>5</sub>	_____	_____
nC <sub>5</sub>	_____	_____
C <sub>6</sub>	_____	_____
C <sub>7</sub>	_____	_____
C <sub>8+</sub>	_____	_____
Total	_____	_____

1.5 Ambient Temperature

1.5 \_\_\_\_\_

Maximum - F \_\_\_\_\_  
Minimum - F \_\_\_\_\_

1.6 Required Sulphur Recovery

1.6 \_\_\_\_\_

- a) 3 Stage Claus - 96% \_\_\_\_\_
- b) "Super Claus" - 99% \_\_\_\_\_
- c) Tail Gas Unit  
"Scot" 99.9 \_\_\_\_\_



2. PRODUCT DATA

2. \_\_\_\_\_

2.1 Sulphur

2.1 \_\_\_\_\_

Sulphur Pit

Days of Storage \_\_\_\_\_

\_\_\_\_\_

Sulphur Block Yes/No \_\_\_\_\_

\_\_\_\_\_

Pellitizer Yes/No \_\_\_\_\_

\_\_\_\_\_

3. MECHANICAL DATA

3. \_\_\_\_\_

3.1 Plant Design Pressure

3.1 \_\_\_\_\_

psig \_\_\_\_\_

\_\_\_\_\_

3.2 Corrosion Allowance

3.2 \_\_\_\_\_

inches \_\_\_\_\_

\_\_\_\_\_

3.3 Power Available

3.3 \_\_\_\_\_

Yes/No \_\_\_\_\_

\_\_\_\_\_

Voltage Maximum \_\_\_\_\_

\_\_\_\_\_

Phases \_\_\_\_\_

\_\_\_\_\_

Cycles \_\_\_\_\_

\_\_\_\_\_

3.4 Controls

3.4 \_\_\_\_\_

Pneumatic Yes/No \_\_\_\_\_

\_\_\_\_\_

Electric Yes/No \_\_\_\_\_

\_\_\_\_\_

3.5 Alarms

3.5 \_\_\_\_\_

Local Panel Yes/No \_\_\_\_\_

\_\_\_\_\_

Remote Panel Yes/No \_\_\_\_\_

\_\_\_\_\_

H<sub>2</sub>S Detection \_\_\_\_\_

\_\_\_\_\_

Gas Detection \_\_\_\_\_

\_\_\_\_\_

Fire Detection \_\_\_\_\_

\_\_\_\_\_

3.6 Metering

3.6 \_\_\_\_\_

Acid Gas \_\_\_\_\_

\_\_\_\_\_

Other \_\_\_\_\_

\_\_\_\_\_

Local or Remote \_\_\_\_\_

\_\_\_\_\_

3.7 Heating System (Process)

3.7 \_\_\_\_\_

Glycol Exchanger \_\_\_\_\_

\_\_\_\_\_

Steam - HP \_\_\_\_\_

\_\_\_\_\_

Steam - LP \_\_\_\_\_

\_\_\_\_\_

3.8 Winterizing

3.8 \_\_\_\_\_

Building Yes/No \_\_\_\_\_

\_\_\_\_\_

Heat Tracing Yes/No \_\_\_\_\_

\_\_\_\_\_

3.9 Fire Suppression

3.9 \_\_\_\_\_

Fire Water \_\_\_\_\_

\_\_\_\_\_

Chemical \_\_\_\_\_

\_\_\_\_\_