

QUALITY WORK INSTRUCTIONS (QWI) PRILL OPERATION (SFS PLANT ONLY)

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1.0 OPERATIONAL INSTRUCTIONS

The Plant Manager / Production Manager reviews inventory on hand and the projected demand to determine operation requirement. If production is required, the prill plant operator is instructed to start the process. The plant operator/production manager is required to ensure a working supply of raw materials available for production. Length of run time is predetermined by plant manager/production manager.

2.0 PROCEDURE

The procedure for start up is the following sequence:

- 1) Check roof vents to ascertain they are open allowing proper ventilation
- 2) Check chamber doors, front and back, to insure all are operational
- 3) Check CO₂ lines for gas availability
- 4) Check steam lines for availability and check visually for steam leaks
- 5) Uncover prilling head
- 6) Attach discharge nipple to head
- 7) Start prilling head motor
- 8) Turn sulfur feed valve to "on" position

3.0 PRODUCTION AND STORAGE

At the end of the predetermined run, the procedure is shut down (see 5.0) and finished product is moved to the designated storage area.

4.0 SORTING AND PACKAGING

Product is screened and packaged per customer requirement.

5.0 SHUT DOWN

- 1) Close sulfur valve
- 2) Wait for prilling head to completely discharge
- 3) Remove discharge nipple
- 4) Cover prilling head