

GILES CHEMICAL		
COMPANY PROCEDURE		
Standard Operating Procedure	Page : 1 of 2	Revision : 06/11/2008 Date : 09/09/2005
Author: Selwyn Scoggin / Patrick Owen	Title: (01) Dryers	

### Personnel responsible:

Lead operator, Assistant Operator

### Safety:

Always wear steel toed shoes and safety glasses when in the manufacturing area.

### Summary:

The dryers take the damp salt from the centrifuge and dry the surface moisture so the salt can be stored in a bag or super sack for an extended period of time without sticking.

### Procedure:

#### A. Starting dryers:

1. Start dryer rotation by pressing dryer start buttons on MCC #2, and then pressing the start buttons on the Variable Speed Drives for the dryers.
2. Start the dryer dust collector fans. The Switches are at the back near each dust collector.
3. Start the dryer intake fans. The switches are at the back near the water recovery room.
4. Open steam control valve isolators, main steam valves and condensate valves to the heaters.
5. At the Monitoring System display, set the exit air temperature controls to 45 C.
6. Allow dryers to warm up for 30 min.
7. Blow down the condensate out of the radiators by opening the condensate blow down valve for approximately 10 seconds on each dryer.
8. Confirm dryer temperature controls are adjusted properly.
9. Begin feed to the dryers and adjust temperature controls accordingly.

#### B. Normal operation:

1. Operators are to continually monitor the dryer operation and record the operating parameters.
2. The salt temperature range will be posted on the Doc System Manufacturing Screen.
3. Examine the condition of the salt and make adjustments as required.

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C. Shutting down dryers:

1. Stop crystal feed to the dryers.
2. Allow all salt in dryers to empty out into the discharge screw.
3. Press Stop on the Variable Speed Drives.
4. Shut off steam and condensate valves to heaters.
5. Stop dryer inlet fans.
6. Stop dryer dust collector fans.

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**TRAINING DOCUMENTATION**

	EMPLOYEE	TITLE	SIGNATURE	DATE
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#### REVISION HISTORY

Revision Date

10/30/05

06/11/08

Revision Number

01

02

Revision Description

Description not on file

Changed MCC#1 to #2  
On step 1.