

If you are using a printed copy of this procedure, and not the on-screen version, then you MUST make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

12.33 Dryer Recycling

Text Pages 2 through 3

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: _____ *Signature on File* _____
Collider-Accelerator Department Chairman Date

C. Carlson

12.33 Dryer Recycling

1. Purpose

The purpose of this procedure is to define the steps required to recycle the insulating gas dryers.

2. Responsibilities

It is the responsibility of the person or persons executing this procedure to observe all safety rules.

3. Prerequisites

3.1 Tandem Operator training.

4. Precautions

None

5. Procedure

5.1 Install Spool Pieces.

5.2 Turn Purge Air (overhead west of dryers) ON.

5.3 Turn Purge Air Supply (Pit) ON.

5.4 Turn Circuit Breaker for dryer being recycled ON (in ME Room).

5.5 Close Damper (Above motor housing).

5.6 Turn Blower ON (switch on top of electrical panel facing south).

<p style="text-align: center;"><u>Note:</u> DO NOT TURN ON HEATER YET</p>

5.7 Open Damper until Blower Motor current reads 5 amps (1/8 to 1/4).

5.8 Allow Blower to run while watching current meter. Adjust Damper to keep Blower Motor current at or below 5 amps.

5.9 When Blower Motor current has been stable at 5 amps for 30 minutes, turn Heater ON (by turning Timer Dial clockwise).

- 5.10 Check Heater Air Temperature (thermometer at base of heater facing north), Tower A temperature, Tower B Temperature, Motor Current and Water Level (Sight glass on condenser). Record these values in the Dryer Recycle Log Book at 30-minute intervals.
- 5.11 When sight glass indicates full, close damper and drain water into calibrated container. Record the amount of water recovered along with the data taken in step 10.
- 5.12 Repeat steps 10 and 11 until no more water is recovered.
- 5.13 Turn Purge Air (overhead west of dryers) OFF.
- 5.14 Turn Purge Air Supply (Pit) OFF.
- 5.15 Turn Circuit Breaker for Dryer being recycled OFF (in ME Room).
- 5.16 Remove Spool Pieces and install Blankoffs.
- 5.17 Retighten dryer tower door gaskets.

6. Documentation

- 6.1 Maintain Dryer Recycle Log Book.

7. References

None

8. Attachments

None