GILES CHEMICAL CORPORATION								
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Author:	Patrick Owen	Title: (00)Fine Salt Loop						

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Personnel responsible:

1. Lead Operator, Material Handler

Safety:

Safety shoes and safety glasses are required when working in, on, or around the crystallizers.

Summary:

The fine salt loop is a key to producing the proper size crystals. Simply, the fines are removed from the system, melted down, and pumped back into the system.

A. Start Up

- 1. Close the fine salt loop return valve and open the drain valve
- 2. Open the fine salt loop washout to start water flowing.
- 3. Start the fine salt loop pump.
- 4. "Switch" the salt loop discharge and washout valves, so fines flow through the system instead of water.
- 5. After flow through drain valve is ensured, close the drain valve and open the return valve.
- 6. Open the steam valve for the heat exchanger.
- 7. Open the condensate drain valve, if so equipped.
- 8. Check the temperature gauge. It should read 34 -36 deg C.

B. Operation

- 1. Operational checks to be made every 2hrs minimum
- 2. Insure that there is still flow through the system, and that the temperature gauge

reads 34 – 36 C.

C. Shutdown

- 1. Shut the steam off of the fine salt loop heat exchanger.
- 2. Close the condensate drain valve, if so equipped.
- 3. Close the fine salt loop discharge valve.
- 4. Open the washout on the fine salt loop.
- 5. Open the drain valve temporarily to ensure water is flowing through the loop.
- 6. Close the fine salt return valve.
- 7. Close the washout valve.
- 8. Stop the fine salt loop pump.
- 9. Open the drain valve..

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REVISION HISTORY

Revision Date	Revision Number	Revision Description
11/10/05	00	New Document
12/15/06	01	Update from Operator training