

GILES CHEMICAL CORPORATION		
COMPANY PROCEDURE		
Standard Operating Procedure	Page : 1 of 3	Revision : Date : 2/15/2006
Author: Patrick Owen	Title: (00)Boiler Treatment and Blowdown	

Personnel responsible:

1. Material Handler

Safety:

Safety shoes and safety glasses are required when working around the boilers. Caution – boilers are hot.

Summary:

The boilers have feed chemicals added to them to keep the boiler tubes from corroding. Also, contaminants need to be purged from the system so the boilers are blown down on a regular basis.

A. Adding chemicals to the boiler treatment tanks

1. The boiler man will write a “recipe” of the 4 boiler chemicals for each boiler on the dry-erase board.
2. If the tank is less than half full, put the correct amounts of each chemical into the feed tank for each boiler.

B. Boiler Blowdown (repeat for each boiler)

1. As often as recommended by the boiler man, the boiler needs to be blown down. The boiler man will also recommend how long to blow it down.
2. Turn off the feed pump switch for the boiler you are blowing down (off is in the middle).
3. Open the safety valve in the blowdown line.
4. SLOWLY open the feed float blowdown valve and leave it open as long as the boiler man is recommending at the time.
5. Close the feed float blowdown valve.
6. SLOWLY open the first bottom blowdown valve and leave it open as long as the boiler man is recommending at the time.
7. Close the first bottom blowdown valve.
8. SLOWLY open the other bottom blowdown valve and leave it open as long as the boiler man is recommending at the time.
9. Close the other bottom blowdown valve.
10. Close the safety valve in the blowdown line.
11. Turn the feed pump switch to automatic for the boiler you just blew down.
12. Ensure that the burner starts.
13. If you haven't yet, blow down the other boiler.

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REVISION HISTORY

<u>Revision Date</u>	<u>Revision Number</u>	<u>Revision Description</u>
2/15/06	0	New Document

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TRAINING DOCUMENTATION

	EMPLOYEE	TITLE	SIGNATURE	DATE
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