

GILES CHEMICAL CORPORATION		
COMPANY PROCEDURE		
Standard Operating Procedure	Page : 1 of 2	Revision : Date : 08/20/07
Author: Lester Parton	Title: Boiler Shutdown for inspection	

Personnel responsible:

Maintenance, in coordination with production, will be solely responsible for removing a boiler from service.

Safety equipment:

All safety glasses and appropriate safety apparel is to be worn at all times. This includes wearing the appropriate protection for high heat application.

Summary:

This procedure shall be followed when shutting down a boiler for inspection

Procedure to remove from operation

1. Turn the burner switch located at the front of the boiler to the off position
2. Turn the water pump to the off position therefore removing any water addition from the system
3. Turn gas off and lock out to ensure that no gas is entered into the system
4. Bleed pressure off of the boiler at a very reduced rate (Should take approximately 24 hours for entire system to bleed off). **Valve should be turned only ¼ of turn**
5. After 24 hour bleed off of pressure; drain the water already contained within the boiler away
6. Open front doors of boiler and remove
7. Open back doors (three) of boiler and remove. **Caution jack must be used on all doors where the weight exceeds a safe lift of 50 lbs. per employee**
8. Review all five (5) inspection holes (4 smaller ones and 1 larger hole), open up and check all gaskets to ensure they are in proper working condition and do not need to be replaced.
9. Replace pop off valves with rebuilt ones from shelf (This is completed annually)
10. Take the level control off and ensure it is operating properly
11. Clean tubes if required.
12. Rinse inside and bottom of boiler to complete cleaning and review

Procedure to introduce back to production

1. Replace level control valve
2. Ensure pop off valves are installed properly
3. Re-install all rear doors on boiler
4. Re-install all front doors on boiler
5. Close pressure valve completely
6. Re-introduce gas to the system
7. Turn water pump to the on position
8. Turn burner on

Maintenance must ensure that boiler is operating properly before introducing back into production

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TRAINING DOCUMENTATION

	EMPLOYEE	TITLE	SIGNATURE	DATE
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