

GILES CHEMICAL CORPORATION		
COMPANY PROCEDURE		
Standard Operating Procedure	Page : 1 of 2	Revision : Date : 11/21/2005
Author: Patrick Owen	Title: (00)Holiday Shutdown	

Manuf-SHDWN-01

Personnel responsible:

1. Lead Operator, Material Handler, Assistant

Safety:

Stop and think about each part of the shutdown. Consider safety hazards you may face. Avoid the hazards and/or use proper Personal Protective Equipment (PPE) to avoid injury.

Summary:

The plant will be shut down during most of Thanksgiving day. The #1 Digester will be drained and cleaned during this time. To make this shutdown and startup as trouble free as possible, the following checklist has been developed. It does not cover every little thing, but should cover most of the major things.

Initials	Time	Item
	Thursday Morning:	
_____	2:00	Shut down Digester
_____	2:00	Place pH probes in buffer cup under each meter.
_____	2:00	Use bottom valve or cleanout valve to pump Digester #1 to Mud Tanks
_____	3:00	Use the water hose to dilute Digester #2 to 1.32 density
_____	7:00	Shut down the Crystallizer (make sure Fine Salt Loop, Vacuum Pump, Educator and related equipment are also down) Open door on digester, clean out into hopper, comment on log what you see
_____	8:00	Press Should be left washed and ready to go (mud tanks empty)
_____	9:00	
_____	10:00	Dryers should be left clean and ready to start
_____	10:30	Shut down big boiler, leave small one on standby
_____		Happy Thanksgiving!
	Friday Morning:	
_____	3:00	Start Boiler
_____	3:30	Close Digester Place pH probes back in place
_____	3:55	Start Digester by pumping half of Digester #2 over to Digester #1
_____	4:00	When Mud Tank is at 55%, Start the press
_____	12:00pm	
_____	2:00pm	When Brine Starts, Start Crystallizer, Centrifuge, Dryers, etc. Good Salt on
_____	3:00pm	Screw

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REVISION HISTORY

<u>Revision Date</u>	<u>Revision Number</u>	<u>Revision Description</u>
11/28/05	00	New Document