

	GILES CHEMICAL		
	COMPANY PROCEDURE		
	Voluntary Electrical Shutdown	Page : 1 of 3	Revision : 00 Date : 8/16/2010
	Author: Patrick Owen	Job Specific	

Personnel responsible:

1. Lead Operator

Safety:

Safety shoes and safety glasses are required when working in the plant.

Summary:

Occasionally the electricity may need to be shut off to the plant for maintenance or other reasons. The purpose of this procedure is to reduce trouble after starting back up by ensuring the electrical shut down is as orderly as possible. For details on shutting down specific pieces of equipment, see the procedure for that equipment. This procedure is assuming at least 1.5 hours notice and that the outage is for 3 hours or less. Any longer and the Digesters, Mud Tanks, Brine Tanks, and Crystallizers may need to be drained, watered down, or steamed on re-start as appropriate.

1. Shut down the Crystallizers (ensure lines are washed out)
2. Stop all Crystallizer Pumps including Condenser Pumps
3. Shut down the Filter Presses and open them (allow time for wash cycles)
4. Stop the Centrifuges
5. After salt has left the Dryers, stop the Dryers
6. Stop the Dust Collectors and Dryer Fans
7. Stop any Acid or MgO Offloading
8. Stop any Liquid Loading (allow time for washout and drain press)
9. Stop the Mother Liquor Pump to the Digesters and wash out the lines
10. Stop the Digesters and Acid Pump
11. Stop the Digester circulation and wash out the lines
12. Stop any brine transfer and wash out the line(s)
13. Stop the Creek Pumps
14. Stop the Palletizer and Bagger – Turn off the electricity to them

The rest of the electrical equipment is probably safe to leave on and let restart when the power comes on.

Many items will need to be restarted that weren't stopped by following this procedure after the power is restored. When power is restored, follow the Power Out checklist to get the plant back up.



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TRAINING DOCUMENTATION

	EMPLOYEE	TITLE	SIGNATURE	DATE
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