
	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Form</b>		
	Title: <b>Digester Shut Down</b>	Number: <b>G18-PR-200-002</b>	
	Owner: <b>Joe Phillips</b>	Revision: <b>00</b>	
	Effective Date: <b>02/28/18</b>	Page: <b>1 of 2</b>	

## 1.0 Purpose

This procedure is intended to be a step by step instructional guide to shutting down the digesters for an extended amount of time. This procedure is intended to be used for shutting down at the end of a shift to make start up the next day as easy as possible.

## 2.0 Scope

This procedure applies to the following equipment:

- MgO rotary valve, screw and bucket elevator
- MgO mixing pot
- Acid tanks
- Digesters 1-4

## 3.0 Responsibility

Lead Operator, Material Handler, Assistant Operator

## 4.0 Safety Considerations

Safety glasses and steel-toed shoes.

Safety is a condition of employment. Employees are not authorized to work in an unsafe manner and are prohibited from harming the environment of the facility or community.

## 5.0 Materials/Equipment



N/A

## 6.0 Procedure

- 1) Cover the openings on digesters #1 and #2 with the attached lids.
- 2) Turn off the MgO rotary valve. Continue running the screw and elevator for 10 minutes to allow all the excess MgO to clear out of the system. (DO NOT LEAVE MgO IN THE SCREW OR ELEVATOR!)
- 3) Turn off the elevator and screw.
- 4) Turn off the mixing pot agitator.

### Controlled Document

Only those quality documents viewed through the Giles Chemical electronic Documentation System are officially controlled. All other copies, whether viewed through another computer program or a printed version, are not controlled and, therefore, the Quality Unit at Giles assumes no responsibility for the accuracy of the document

	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Form</b>		
	Title: <b>Digester Shut Down</b>	Number: <b>G18-PR-200-002</b>	
	Owner: <b>Joe Phillips</b>	Revision: <b>00</b>	
	Effective Date: <b>02/28/18</b>	Page: <b>2 of 2</b>	

- 5) Turn off all water sources for the digesters. Digesters #1 and #2 are hard lined with PVC lines and valves. Digesters #3 and #4 use water hoses. The mixing pot has two PVC lines with valves.
- 6) Open drain valves on the mixing pot and thoroughly wash out the mixing pot and agitator.
- 7) Close the drain valves on the mixing pot.
- 8) Close the blocking valves on the acid lines after allowing all acid and pressure to clear out of the line. (Someone else will close the main valves at the acid tank and lock them out at this point. Please refer to document "Acid Tank Operation" for a detailed description the process.)
- 9) Take out the Ph probes in the spillway to digester #3 and store them in Ph buffer.
- 10) Close the lids on digesters #3 and #4.

## 7.0 Reference Documents

N/A

## 8.0 Change Information

New Document

### Controlled Document

Only those quality documents viewed through the Giles Chemical electronic Documentation System are officially controlled. All other copies, whether viewed through another computer program or a printed version, are not controlled and, therefore, the Quality Unit at Giles assumes no responsibility for the accuracy of the document