	GILES CHEMICAL		
	COMPANY PROCEDURE		
	Calculating Daily MgO Yield	Page : 1 of 3	Revision : 01 Date : 4/16/2009
	Author: Patrick Owen	Job Specific	

Personnel responsible: Process Engineer, Plant Manager

Safety:


Safety shoes and safety glasses are required when working in, on, or around the operations area.

Summary:

The yield measurement is not completely automated because the finished product is counted by hand. This procedure shows how to calculate the MgO yield from the information available daily.

Procedure:

1. Obtain a copy of the Monitoring System Shift Report that prints out every morning at 7:00am.
2. On page 7, find the MgO used by the Liquid Side and add it to the MgO used by the Salt Side found on the same page.
3. Note that the date of MgO used is the day before the date of the Shift Report (ie. the MgO was used on 4/16/2009 but the Shift Report has a date of 4/17/2009 because it prints the morning after)
4. Obtain the daily total heptahydrate production from the Daily Production spreadsheet. The Production Manager maintains this spreadsheet.
5. Divide the total heptahydrate tons produced by the MgO tons used to calculate the daily yield. (ie. $101.75 / 19.55 = 5.20$)

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TRAINING DOCUMENTATION

	EMPLOYEE	TITLE	SIGNATURE	DATE
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