

GILES CHEMICAL CORPORATION		
COMPANY PROCEDURE		
Standard Operating Procedure	Page : 1 of 1	Revision : Date : 8/21/2006
Author: Patrick Owen	Title: (00)Calculating Daily MgO Yield	

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 6, the line at the bottom "MgO Tons Used = " is followed by the MgO tons used for that day.
3. Note that the date of MgO used is the day before the date of the Shift Report (ie. the MgO was used on 8/16/2006 but the Shift Report has a date of 8/17/2006 because it prints the morning after)
4. Obtain the daily total heptahydrate production from the Daily Production spreadsheet. The Plant Manager maintains this spreadsheet.
5. Divide the total heptahydrate tons produced by the MgO tons used to calculate the daily yield. (ie. $101.75 / 19.55 = 5.20$)