

GILES CHEMICAL CORPORATION		
COMPANY PROCEDURE		
Standard Operating Procedure	Page : 1 of 1	Revision : 03/14/2008 Date :
Author: Patrick Owen	Title: (01)Adjusting the Electronic Density Meters	

Personnel responsible:

1. Process Personnel

Safety:

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

Summary:

An Endress+Hauser Promass 83 flowmeter has been installed on each Digester circulation loop. These meters are very reliable, but occasionally one will need adjusting because of buildup of material inside the flowmeter itself.

Procedure:

1. Pull a density sample from the digester and measure it with a known good hydrometer.
2. Immediately go to the Flowmeter
3. There are 3 buttons on the face, "+", "-", and "E"; these buttons can be pressed on the outside of the glass and they can be over- or under-sensitive, so be sure of what you select
4. Press "E"
5. Press "+" 6 times until the words "Basic Function" are highlighted
6. Press "E"
7. Press "+" one time and "Process Parameter" should be highlighted
8. Press "E"
9. Press "+" 3 times or until "Adjustment" is highlighted.
10. Press "E"
11. Press "E" 2 times or until "Density Set Val 1" is at the top of the screen.
12. Press "+"
13. The screen will ask for an access code, which is 0083; enter the access code by manipulating the "+" and "-" buttons for each digit, and enter each digit by pressing "E"
14. Once programming is enabled, press "+" to enter "Density Set Val 1".
15. Enter the value from the hydrometer reading.
16. Press "E"
17. When screen reads "Measure Fluid 1", press "+" until unit reads "Start" then press "E"
18. Press "E" again until "Density Adjust" appears.
19. Press "+" until unit reads "Start", then press "E"
20. Press "+" and "-" simultaneously 4 times or until the Flow and Density appear.
21. The Density should now be close to the hydrometer reading.