
	<b>GILES CHEMICAL ~ PREMIER MAGNESIA</b>		
	<b>Company Procedure</b>		
	Title: <b>Evaluating Suspended Solids</b>	Number: <b>P12-PR-200-029</b>	
	Owner: <b>Patrick Owen</b>	Revision: <b>3</b>	
	Effective Date: <b>05/13/13</b>	Page: <b>1 of 2</b>	

## 1.0 Purpose

The purpose of this procedure is to monitor slurry by pulling a sample of slurry from Vacuum Crystallizer discharge pump and estimating the suspended solids using a graduated cylinder.

## 2.0 Scope

This procedure applies to all manufacturing workers.

## 3.0 Responsibility

Lead 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

- graduated cylinder
- reporting log



## 6.0 Procedure

Pull sample of slurry from Vacuum Crystallizer discharge pump and estimate the suspended solids using a graduated cylinder.

1. Pull sample from feed line to centrifuge:
  - a) Start with a clean 250mL graduated cylinder,
  - b) Open the sample valve and close the feed valve so full flow from Vacuum Crystallizer is going through the sample line.
  - c) Let the sample line run for **at least** 5 full seconds before getting the sample.
  - d) Obtain a sample by placing the graduated cylinder in the drain pot under the flow from the sample line.
  - e) Completely fill the graduated cylinder.
  - f) Open the feed valve and close the sample valve.
  - g) Wash off the outside of the graduated cylinder in the sink.

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2. Evaluate sample:

- a) Set the graduated cylinder on a solid surface and allow at least 2 minutes for the solids to settle.
- b) The dividing line between the liquid and solids will appear.
- c) Report the solids as the mL level of the dividing line to the nearest 10 mL.(example: 120, 130, etc)

## 7.0 Reference Documents

N/A

## 8.0 Change Information

Document review- updated format using new template and numbering system.

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