
	GILES CHEMICAL ~ PREMIER MAGNESIA		
	Company Procedure		
	Title: Unloading Acid Trucks	Number: P12-PR-200-009	
	Owner: Jason Bumgarner	Revision: 03	
	Effective Date: 10/02/2014	Page: 1 of 2	

1.0 Purpose

This procedure describes the steps necessary to ensure that all sulfuric acid tankers coming to the Manufacturing facility are off-loaded properly and handled safely.

2.0 Scope

This procedure applies to all in-coming sulfuric acid tankers received at the Manufacturing facility.

3.0 Responsibility

Material Handler

4.0 Safety Considerations

The Material Handler and truck driver must both be present during the entire unloading process. All PPE pertaining to handling sulfuric acid must be worn.

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-



- PPE clothing
- key to lock
- empty bucket
- metal container with lime

6.0 Procedure

1. Trucks can only be unloaded between the hours of 7 AM – 5 PM.
2. Upon arrival, the truck driver will contact the Lead Operator working the shift.
3. The Lead Operator will get the key for the lock on the #2 intake valve from the Maintenance Office and give it to the Material Handler.
4. Close #2 Intake Valve.
5. The #1 intake valve determining where the acid is to go must be set correctly.
 - If the acid is to go to the storage tanks, it should be in the horizontal position

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6. The Material Handler will then remove the lock from the #2 intake valve.
7. Check the levels in the storage tanks to determine which tank is to be filled.
8. At the top of the platform, the middle feeder line determines which tank to feed into.
9. If you are feeding into #1 Acid Storage Tank, the 1st valve must be horizontal (inline) and the 2nd valve upright (closed).
10. If you are feeding into #2 Acid Storage Tank, the 1st valve must be upright (closed) and the 2nd valve must be horizontal (inline).
11. Request that the truck driver give you a sample of the acid before he begins to unload.
12. The truck driver, (in full personal protective equipment) will then hook-up to intake valve and begin the unloading process.
13. When the unloading is complete, the truck driver will drain the remaining acid from his hose into a designated bucket.
14. The Material Handler will then empty the bucket into a specially designated area. The area will be a metal container filled with the proper amount of lime to neutralize the acid.
15. The Material Handler then closes the intake valve, re-secures the lock and returns the key to the Maintenance Office.
16. When enough time has elapsed, the non-reactive waste product will then be taken to the “mud” pit and dumped.

7.0 Reference Documents

N/A

8.0 Change Information

Document review- updated format using new artwork.

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