

**GILES CHEMICAL ~ PREMIER MAGNESIA****Company Form**Title: **Acid Car History Log**Number: **P12-PR-200-F007**Owner: **Jason Bumgarner**Revision: **05**Effective Date: **03/14/2017**Page: **1 of 1**

Acid Car # : _____

Date / Time Spotted : _____

Seal # : _____

Unloading into Tank # : _____ 1 or 2

WARNING: SULFURIC ACID REACTS VIOLENTLY WITH WATER AND CAN CAUSE SEVERE IRRITATION AND BURNS TO SKIN, ENSURE THAT ALL PPE IS DONNED PROPERLY!!!!!!

Prior to Hooking-up the Railcar

Parking brake in engaged and wheels are chocked
blue sign is in place and derail is locked

Ensured the tank car is labeled Sulfuric Acid and placards were in place

Storage tank has enough room to accommodate the contents

Checked all ports on the storage tank and ensured that they were secure

Donned all PPE properly

Removed the air inlet plug and bled the pressure off the railcar

Removed the educator cap and obtained a sample

M.H. _____

Hooking-up the Railcar

Checked unloading hose and fittings for wear

Checked the gasket in the quick coupling (*replaced if necessary*)

Checked the bolts on the load flange and ensured that they were tight

Teflon tape to the discharge port & connected the proper discharge pipe

Connected discharge hose to discharge pipe and ensured cam-locks were locked

Connected the small air line to the acid shut off valve actuator

Connected the air inlet pipe to the air inlet port

Attached air hose to air inlet pipe and ensured that the bleed off valve was closed

M.H. _____

Unloading the Railcar

Check acid transfer line at tank to ensure acid is going to correct tank

Opened air supply valve to pressurize car to 20 psi (*never above 30 psi*)

Checked acid hose for acid was present before starting the acid pump

Wore PPE pants and boots during the entire unloading process

Checked the car, hoses, fittings every 15 minutes until finished

Auditable alarm sounded indicating that the railcar was empty

Level in tank before starting: _____

Date / Time started dumping: _____

Level in tank after dumping : _____

Date / Time finished dumping: _____

M.H. _____

Unhooking the Railcar

Donned all PPE properly

Lifted unloading hose to ensure the hose was empty and not still full of acid

Closed air supply valve and Depressurize air hose with bleed off valve

Disconnected the air hose and Acid discharge hose

Replaced hose plug, and placed it back in the rack

Closed the small air line and opened the dump valve

Removed the small air line from the valve actuator

Removed the discharge pipe (*Christmas Tree*)

Opened the hatch cover and looked into the railcar to ensure it was empty

Date / Time Unhooked: _____ / _____

M.H. _____

Preparing the Railcar for Release to Railroad

Inspected the hatch cover gasket (*replaced if necessary*)

Closed the hatch cover and wrench tightened all bolts

Replaced the educator cap and wrench tightened

Ensured the chain was attached to educator cap

Closed the air inlet valve

Replaced the air inlet plug and wrench tightened

Ensured the chain was attached to the air inlet plug and valve handle

Ensured the rupture disk assembly was intact and replaced the cover

Applied a return seal to the hatch cover

Empty / Return Seal #: _____

Removed all tools from the top of the railcar, rinsed and stored them properly

Pulled the walkway in and raised the hoop

Checked the drip pan with pH paper (*if it had liquid in it*)

If liquid was water, squeezed out the drip pan

All components of the rail car in good condition (*bolts, handrails, platforms, etc.*)

Ensured all placards were in good condition (*replaced if necessary*)

Confirmed the railcar lining inspection date is not expired

Removed the wheel chock

(*blue sign lowered and derail unlocked when railroad arrived*)

Lining Inspection Due Date: _____

"I have physically checked this railcar and placards. I declare it empty and ready to return."

Material Handler's Signature

Date

Second Signatures (to be done before, during and after M.H. is offloading car)

Wheels were chocked and sign in place - _____

Second person present during hook up and unhook - _____

Sample was taken, labeled and stored properly - _____

_____ - M.H. is inspecting car every 15 min or less

_____ - Signage is correct and return seal is Applied

_____ - Educator cap and air inlet plug are tool tight before releasing

Problems with Car:

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