



ACID REMOVAL AND DISPOSAL PREPARATION SOP

SOP G-13

Rev. 4

Nov. 2012

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Purpose:

The purpose of this procedure is to describe the safe operation, environmental and quality requirements when using Acid Removal & Disposal Preparation SOP.

Scope:

This procedure covers the operation Acid Removal & Disposal Preparation SOP only.

Responsibility:

It is the responsibility of the Operator to ensure this procedure is followed at all times.

Procedure:

HOSE INSPECTION:

YES

NO

Full PPE: Helmet with Visor, Full Chemical resistant Tyvek Suit, Wellingtons, Glasses.		
Refrain From use of Cell Phone (Turn OFF till afterwards).		
Run hose from emergency pump to pump out tank.		
Test emergency Pump.		
Pathway to Tanks Clear.		
Bollards, Warning Signs & Chains in place.		
Emergency Showers Operational & Accessible.		
Containment Booms and spill kip Correctly positioned + operational.		
Ensure no other water being used in galvanising shop.		
Inform bath operators of disposal/removal - they must not enter acid area during disposal/removal, except flux tank.		
Inform acid hoist operator of disposal/removal .		
Remind acid operator not to place, remove or shake up jig in tank where acid is being pumped from or out of.		
Inspect AIR Hose and Weight.		
Submerge weighted end of Air Hose into tank once level is below half way up tank wall up and down length of tank.		
OPEN Air Hose valve slowly in small increments & observe tank to ensure it doesn't splash or overflow. ENSURE nobody is near the tank.		



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Truck Driver Safety Induction Given.

Comments:

(NAME IN BLOCK CAPITALS)

To be signed by Shift Personnel
Galv. shop personnel informed of Disposal:

1. _____
2. _____
3. _____

I understand that the acid removal cannot proceed until the above tasks are carried out correctly and ticked off.



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POST ACID REMOVAL/DISPOSAL TASK SHEET:

YES NO

Any Minor Spillages have been contained and appropriately disposed of and reported.		
Turn OFF air at hose valve and source to galv. at compressor.		
Bollards, Safety Sign & Chains Stored Appropriately.		
TANK ENTRY GUIDELINES - Per confined spaces training.		
Get clearance from Galv. Manager before tank entry - fumes from tanks which contained relatively fresh acid can be dangerous.		
Check access ladders to see that they are safe and adequate.		
Acid hoist and bath hoist operators are informed and initial the sheet each time you enter or leave a tank. TANK NO. _____ GAL CREW INITIALS _____		
Remind hoist operators not to travel with a load over or adjacent to a tank in which personnel are working.		
Get assistance to hold the ladders while entering & leaving the tanks.		
An observer must be used while you are in a tank to observe that you are safe and advise hoist operators to give the tank a wide berth. No jig or crane suspended load is to travel over or adjacent to the tank while acid delivery operator is in there - even a relatively small item falling a jig from a height could cause serious injury. If necessary, use the pickle hoist operator, he must stop his job to watch as observer.		
Steel and any other debris removed.		
Tank half full of water from 1 st water rinse Inhibitor + fume suppressant added.		
P.P.E. Washed Down and Appropriately Stored.		
Paperwork Forwarded files away immediately.		
The above tasks have been carried out and finished for today's REMOVAL.		

Signed: _____
(Acid REMOVAL Operator, IPW)

Date: _____



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ACID REMOVAL/FILL RECORDS:

ACID TANK No.	TANK TO BE EMPTIED	PARTIAL REMOVAL FROM TANK	TASKS DONE	TONNAGE MM FROM RIM
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
Acid Tank: STORE				

Signed: _____
(ACID Removal Operator)

Date: _____

Signed: _____
(Galvanising Plant Manager)

Date: _____