

Risk 7 + 19
Folder10c

4th July 2018

Method Statement

PURPOSE

The purpose of this procedure is to ensure a safe transfer of product between two tanks ensuring no dust contamination to air or ground.

Transferring Powder from one tank to another

GENERAL INFORMATION

When using equipment that incorporates the use of air and water under pressure the potential for injury can be deemed as high, always follow the control measures highlighted in the risk assessment as well as the safety reminders.


This task normally takes place in the Dowse Haulage Yard as a continuous water supply is needed.

Safe Systems of Work

PROCEDURE

1. Carry out a visual inspection of the equipment you will use.
 2. Personal Protective Equipment is needed. Gloves must be worn to protect the hands from water and dust as well as face shield to protect the eyes from any particles that may be released whilst transferring powder. Some sites can be quite noisy and require that you wear hearing protection.
 3. There is an Environmental Work Instruction on spillage displayed on the office wall. If you are in any doubt, ASK!
 4. Both tanks should have a current up to date pressure test certificate and test plates displayed on tanks.
 5. Both tanks should be sited close to each other on firm level ground with the trailer brakes engaged and/or wheels chocked.
 6. All hoses, clamps and unicorns should be in a good clean condition and suitable for the task.
-

7. This process requires two operators who should be trained and experienced and wearing appropriate PPE.
8. Connect the loaded tanks discharge pipe to the receiving tanks inlet pipe making sure the ground valve on the receiving tank is fully open and all top lids are closed. Use safety clips on all clamp connections.
9. Connect the receiving tanks 4" pipe using the 3"-4" adapter to the dust filter tank. Turn on the water tap so that the filter tank is approximately $\frac{3}{4}$ full, open the water drain tap so there is a free flowing supply of water, whilst maintaining a $\frac{3}{4}$ full tank.
10. Operator on loaded tank to start discharge whilst operator on receiving tank to monitor both inlet pressure and filter tank for dust emissions.
11. Pressure on receiving tank not to exceed 5 psi.
 1. Ensure product valves are closed and final valve if fitted.
 2. Start donkey engine or blower.
 3. Open valve on receiving tank.
 4. Wait for tanker to build up tank pressure.
 5. Open No 3 ring jet valve to check line is clear. If a blockage is observed shut No 3 ring jet valve, open ground release valve and stop donkey engine or blower and rectify problem.
 6. If line is clear and no blockage observed, build tank pressure to 5 psi depending on the product you are blowing.
 7. Once pressure has built up open rear boost valve and then open rear pot product valve. It is possible to open No 1 boost valve for all pots and just open each pot product valve in turn.
 8. Please note: some tankers also have a final valve fitted at the back of the tanker; this will need to be opened after the product valve and left open until product discharge has finished on all pots.
 9. While discharging keep tapping tanker pot side to check level and once pressure in tank starts to fall rapidly, close product valve on rear pot.
 10. Once rear pot is empty move back to step 7 and open boost valve and product valve for remaining pots usually working from back pot to front pot.
 11. Once you think you have emptied all pots on your vehicle you should open all boost valves individually, for approximately 2 seconds, to clear lines.
 12. Close all product valves, shut all boost valves, close final valve if fitted, and undo ground release valve.
 13. Do not vent into receiving tank.
 14. Disengage blower or shut down donkey engine.
 15. When tank pressure has reached zero close the receiving tanks valve.
 16. Never loosen the rear product pipe clamp to release pressure in the discharge pipe. Always vent air back through your tanker or through any release valves, where fitted, to check there is no pressure in discharge pipe before disconnecting.
 17. If no air is emitted and the pipe is floppy when stood on, it is safe to remove discharge hose from vehicle.
 18. Refit blanking cap to discharge pipe.
 19. Remove discharge hose from receiving tank.
 20. Close all valves and refit blanking cap.
 21. Turn off water supply to filter tank and leave area clean and tidy.

Emergency Procedures:		
 First Aid Facilities:	Name of On-Site First Aider:	Marc Dowse Paul Gregory
	First Aid Box Location:	Outside Bottom office
	Location of Nearest Hospital:	Scunthorpe
Welfare Requirements	Toilets and water available on Dowse site.	
Emergency Contact No.	07860618941	
Other information & Comments		

All work will be undertaken by qualified competent persons with experience of the type of work described above, and in all cases in full accordance with safety procedures specified in the company's health and safety Policy.

Prepared by:
Paul Mansfield

Position:
Safety Officer

Reviewed - Date: January 19, 2021

Items Attached:	Yes	No
Sketches	<input type="checkbox"/>	<input type="checkbox"/>
Certification of Plant etc.	<input type="checkbox"/>	<input type="checkbox"/>
Programme of Work	<input type="checkbox"/>	<input type="checkbox"/>
Risk Assessments	<input type="checkbox"/>	<input type="checkbox"/>

