

Safe Work Instruction - Emulsion Tank - Pump In

DO NOT use this plant* unless you have been inducted in its safe use and operation by an Authorised Experienced Operator (AEO)

This SWI may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process.
Additional training may be required for high risk plant. Site and task may change required PPE.

PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



High visibility clothing must worn



Foot protection must be worn



Hand protection must be worn

POTENTIAL HAZARDS AND RISKS

-  **Exposure to High Pressure Fluid**
Injury from exposure to high pressure fluids
-  **Other**
Exposure to hazardous chemicals
-  **Manual Task Injury**
Manual task injury from incorrect manual handling techniques

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site specific risk assessment
- ✓ Ensure you are familiar with plant operations, controls and a spill kit is available onsite.
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines
- ✓ Ensure transfer hoses are not cut, broken, frayed or punctured
- ✓ Ensure transfer hose valves are operational
- ✓ Ensure LCD control panel is operational and accessible

OPERATING PROCEDURES

- ✓ Ensure that delivery tanker has correct product by sighting delivery docket (CRS Cationic Rapid Set Emulsion)
- ✓ Delivery driver and Authorised Experienced Operator (AEO) to wear appropriate PPE
- ✓ AEO to ensure that tank is in "Recirculate Mode" on both the LCD Screen and auto valve indicator sight glass
- ✓ AEO to connect delivery tanker to fill pipe with transfer hoses ensuring both connections are secure and valves in open position
- ✓ AEO to open valve on emulsion tank fill pipe until it reads "OPEN" in sight glass
- ✓ Delivery driver to open tanker valve and start delivery tanker pump to commence transferring emulsion into emulsion storage tank
- ✓ AEO to monitor fill level (displayed in litres) on LCD screen to ensure the correct amount of emulsion is transferred
- ✓ When the required amount of emulsion has been successfully transferred the delivery driver shall

turn off tanker pump and close the delivery tanker valve.

- ✓ Authorised Experienced Operator shall close the valve on the fill pipe of the emulsion tank until it reads "CLOSED" in the sight glass.
- ✓ AEO to close both valves on the transfer hose and disconnect the delivery tanker and emulsion tank from the transfer hose
- ✓ AEO to decant emulsion retained in transfer hose into the 1,000L Pallecon located in the signposted emulsion storage area

ENDING OPERATIONS

- ✓ Clean any minor spills resulting from transfer
- ✓ Clean transfer connection point and ensure it is free from excess emulsion
- ✓ Ensure transfer hose is flushed and is in good working order, filled with water and stored in the appropriate location
- ✓ Lock and ensure access panel is secured

DO NOT

- ✗ Do not use if plant is faulty. Attach a DO NOT OPERATE tag and report fault to your supervisor
- ✗ Do not leave plant running unattended
- ✗ Do not leave delivery driver unattended
- ✗ Do not leave keys in padlocks or access panel whilst unattended
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant
- ✗ Do not fill above 18,000L
- ✗ Do not operate if flashing red light is activated

*Plant in this SWI refers to any machinery, equipment, appliance, container, implement and tool.