

Safe Work Instruction - Emulsion Tank - Pump Out

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



Foot protection must be worn



High visibility clothing must 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

- ✓ Authorised Experienced Operator (AEO) to park plant to be filled in bunded transfer area
- ✓ AEO to verify required litres for transfer from emulsion storage tank to vehicle storage tank
- ✓ AEO to ensure that tank is in "Recirculate Mode" on both the LCD Screen and auto valve indicator sight glass
- ✓ AEO to connect the vehicles on board storage tank to the emulsion discharge pipe with transfer hose ensuring both connections are secure then turn transfer hose valves to open position
- ✓ AEO to open valve on emulsion tank discharge pipe and on plant items storage tank
- ✓ On LCD panel AEO to press the "Patch Truck Fill" button and automatic valve will engage displaying Patch truck in the sight glass
- ✓ AEO to select how many litres are required "100L", "200L", "350L" or "850L" from the pre-set buttons
- ✓ AEO to press the green "Start" button and the pump will begin to power up
- ✓ Once pre-set volume has been discharged the pump will cease operation, press the recirculate button on the LCD panel

- ✓ AEO to close valves on emulsion tank discharge pipe and on plant items storage tank
- ✓ AEO to ensure both valves are closed on the transfer hose and disconnect the plant item 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 empty below 4,000L
- ✗ Do not operate if flashing red light is activated

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