

## 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



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

**ⓘ Manual Task Injury**  
Manual task injury from incorrect manual handling techniques

**ⓘ Other**  
Exposure to hazardous chemicals

### 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.