

## Safe Work Instruction - Cleaning Trickle Filters

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

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



Long and loose hair must be contained or covered.



Foot protection must be worn



Waterproof hand protection must be worn



Face mask must be worn

### POTENTIAL HAZARDS AND RISKS

- Entanglement**  
Entanglement in moving parts
- Manual Task Injury**  
Manual task injury from incorrect manual handling techniques
- Other**  
Exposure to biological hazards
- Cutting, Stabbing or Puncturing**  
Injury from contact with moving parts
- Slip, Trips, Falls**  
Slip, trip, fall due to uneven or slippery work surfaces

### PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site specific risk assessment
- ✓ Complete visual plant check prior to operation
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines
- ✓ Isolate the filter by preventing flow reaching it from the Dosing Siphon

### OPERATING PROCEDURES

- ✓ Keep clear of moving plant parts
- ✓ Operate plant to the conditions of the work area
- ✓ After the arms have stopped rotating, anchor arms to ladder via chain to stop movement, place basket screen under end of arm, loosen bolts and lift end caps for arm to drain out
- ✓ Once this has been done, every individual nozzle on each of the four arms must be cleaned, working from the centre to the outside. Cleaning may be done either with a hose or hooked bit of fencing wire
- ✓ Once all the nozzles have been cleaned the filter arms must be flushed out to remove any material that may have fallen into the arms as a result of the cleaning process

### ENDING OPERATIONS

- ✓ All material that is cleaned and flushed out, as well as any growth that has appeared on the bed surface must be removed before putting the filter back into service

### 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 attempt this task until the filter arms have stopped rotating
- ✗ Do not use mobile phone while operating plant

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