

Safe Work Instruction - Operating WTP Sodium Hypochlorite Dosing System

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.



Protective body clothing must be worn



Foot protection must be worn



Hand protection must be worn

POTENTIAL HAZARDS AND RISKS

- Manual Task Injury**
Manual task injury from incorrect manual handling techniques
- Chemicals**
Exposure to hazardous chemicals
Burn injury
Exposure to toxic fumes
- Slip, Trips, Falls**
Slip, trip, fall due to uneven or slippery work surfaces
- Other**
Injury due to plant malfunction or misuse

PRE-OPERATIONAL SAFETY CHECKS

- ✓ **WARNING:** This Chemical is considered a hazardous substance as well as a dangerous goods. Before carrying out the following procedure workers are to familiarise themselves with the relevant SDS and follow all safety precautions listed on the data sheet prior to handling the chemical
- ✓ 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
- ✓ Before entering the Sodium Hypochlorite dosing plant the worker must ensure the safety shower and eye wash facilities are in good working order

OPERATING PROCEDURES

- ✓ Keep clear of moving plant parts
- ✓ Operate plant to the conditions of the work area
- ✓ On entering the Sodium Hypochlorite dosing plant the worker must turn the exhaust fan to manual
- ✓ Note the current level of chemical in the day tank
- ✓ Record the water meter figure and calculate the consumption
- ✓ Remove the lid on the day tank
- ✓ Check that the correct chemical is on site i.e. Labelled SODIUM HYPOCHLORITE and should be in light blue fifteen litre containers
- ✓ Remove the lid of the container and decant into the day tank
- ✓ Place empty containers to the side away from the day tank

- ✓ Continue decanting Sodium Hypochlorite until the desired level is reached
- ✓ Replace lid of the day tank
- ✓ Hose down any spillage, water service to chlorinator required

ENDING OPERATIONS

- ✓ Remove and store PPE in the correct location
- ✓ Turn the exhaust fan to auto
- ✓ Secure the sodium hypochlorite plant

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 wear loose jewellery
- ✗ Do not use mobile phone while operating plant

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