

## Safe Work Instruction - Cleaning STP Inlet Works Channels

**DO NOT** use this plant\* or complete this task 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.



Face protection must be worn



Foot protection must be worn



Hand protection must be worn



P2 face mask must be worn when airborne dust or fumes are created



Protective body clothing must be worn



High visibility clothing must be worn



Half face mask respiratory protection must be worn

### POTENTIAL HAZARDS AND RISKS

- Manual Task Injury**  
Manual task injury from incorrect manual handling techniques  
Manual task injury from repetitive movements
- Exposure to High Pressure Fluid**  
Injury from exposure to high pressure fluids
- Slip, Trips, Falls**  
Slip, trip, fall due to steep working surfaces  
Slip, trip, fall due to uneven or slippery work surfaces
- Other**  
Exposure to contaminated air  
Exposure to hazardous chemicals  
Exposure to biological hazards

### PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site-specific risk assessment
- ✓ Complete the appropriate pre-operational plant checklist
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines
- ✓ Two workers to be involved in the full cleaning of the inlet works channels
- ✓ A calibrated and bump tested gas detector must be hung in the inlet works channels adjacent to the operator at all times whilst in the channel
- ✓ Inlet works channels should be cleaned in the afternoon during the lowest flow period

### OPERATING PROCEDURES

- ✓ The main inlet works channel as far as reasonably practicable should have the flow diverted around it for the duration of the cleaning. If this is not possible then the flow to the inlet works should be stopped until the cleaning is completed, by isolating and tagging out all pump stations that feed directly into the inlet works. Ensure to refer to the Energy Isolation Procedure P28
- ✓ If during the cleaning the pumping stations that supply directly to the inlet works need to be emptied, the worker must leave the inlet works until the emptying has taken place
- ✓ Worker is only to return when it is safe to do so and only after the pumping station have been isolated

- and tagged and the gas detector readings are within the safe limits
- ✓ Ensure a full clean of inlet works channels are undertaken at least every 4-6 weeks
- ✓ The worker in the inlet works channel must at all times wear a confined space harness with at least a lanyard attached and controlled by the standby person
- ✓ If the inlet works does not have an insitu ladder than an appropriate ladder must be used for entering and leaving the inlet works and must be securely attached to the hand railing to prevent it from slipping
- ✓ Cleaning should start at the point where the operator enters the channel and then scrubbed/cleaned away from the operator to prevent slipping

### REMOVAL OF POCKETS OF GRIT/SAND

- ✓ The grit/sand is to be shovelled into a small bucket with a rope attached and lifted out by the standby operator and disposed of in the grit screenings trench
- ✓ If there are large deposits of grit/sand in the inlet works, then the coordinator should be contacted to have it removed by a vacuum truck

### ENDING OPERATIONS

- ✓ At completion of the cleaning the inlet works is to be returned to normal operation, ensuring that all pumping stations that were isolated and tagged out are returned to operation and are running normally

**DO NOT**

- ✗ Do not use if plant is faulty. Attach an Out of Service tag and report fault to your supervisor
- ✗ Do not leave plant running unattended
- ✗ Do not enter inlet works unless gas detector readings are within the safe limits
- ✗ 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.**