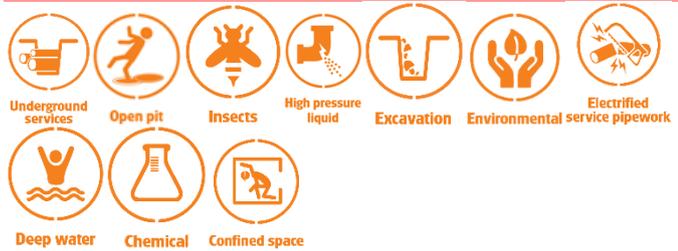


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**Waterbody Inspection and Maintenance - Reservoir**

**Health & Safety and Operational Information**

**Hazard Indicators**



**Personal Protection**



**Health and Safety Information**

- Health and Safety documentation.
- Generic Traffic Management Plans or site-specific Traffic Management plan.
- Hazardous Waste
- Confined Space Entry
- Working at Heights
- Working near water

**Operation's & Maintenance Documentation**

- Corridor Access Requests (CAR) and WIP Permits (site specific or generic/global)
- Service plans (B4uDig)
- Design drawings & P&ID's
- Site plans

**Customer Information (Confidential)**

**Priority Customer Categories**

**Emergency Procedure / Escalation**

- Emergency**
- Make "Site Safe" and isolate risks to people or property with resources at hand
  - In event of service strike to utility/energy source (e.g. fuel, Gas, Power, Water etc.) report immediately to team leader
- Escalate if extra resources required or problems occur!**
- Escalate to Team Leader and inform of the issues faced and/or expected resources required if necessary.

**Additional Documentation**

**Required Skills, Competencies (Qualifications and/or Certifications)**

Licensed Operator.

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## Waterbody Inspection and Maintenance - Reservoir

### Standard Operating Procedure

Planned maintenance procedure for inspection and maintenance of reservoir containment structures.

#### Required Equipment

Equipment and Information	Details
Fully Equipped Vehicle	Ensure vehicle, plant, equipment and materials appropriate to the day's work schedule is available.
Specialist Equipment	Ensure specialist equipment required is available for utilisation.
Specialist Materials & Parts	Ensure you have loaded up all the required parts and materials required to undertake the maintenance work to be completed.

#### Prepare to do the work

Action	Action Details
Pre Start Process	Complete the Daily Pre Start - Planned Maintenance <ul style="list-style-type: none"> <li>- Include Hazard ID</li> <li>- Include Pre-Start Tailgate Meeting</li> </ul> Undertake all tasks required in the Generic Planned Maintenance SOP.
Compliance	<b>Traffic Management Plan</b> - Where required, TMP to be in place prior to work starting. TMP to be accessible on site.

#### Perform the work

Action	Trade	Action Details
Maintenance	Licensed Operator	Remove weeds from intake structures (manually).
Inspect	Licensed Operator	Inspect intakes for debris accumulation. Clear minor issues report majors as work requests.
Maintenance	Licensed Operator	Remove all windblown floatables from reservoir surrounds.
Maintenance	Licensed Operator	Clean transducers and analytical instrumentation.
Sampling	Licensed Operator	Sampling. Undertake Water Quality <i>(In accordance with DIA requirements – input DIA sampling needs)</i> .
Inspect	Licensed Operator	Walk and inspect banks for erosion and general condition
Maintenance	Licensed Operator	Reservoir cleaning. Clean probes and floats confirm fixing, junction box and cables secure Test probe alarms page to operators and acknowledge Exercise valves. Check paintwork indicates function. Operate Scour valve, check for leakage. Check pressure switch operational. Check and/or replace <i>(where required)</i> Battery (Plc). Service air valve.
Inspect	Licensed Operator	Check ASV (where installed) in Auto and valve position showing fully open. Check sample tap present and in good condition, where fitted Check security Check ASV panel indicator panel lights are operational where fitted Check emergency stop button where fitted Perform security check. Check condition of vermin screens Verify flow meter where installed Check integrity water well(s) if present.
Maintenance	Registered Electrician	Calibrate and verify reservoir transducers.
Maintenance	Licensed Operator	Inspect and clean all intakes and spillways
Maintenance	Licensed Operator	Retention area. Clear minor material build up, report majors issues as work requests.
Maintenance	Licensed Operator	Walk perimeter of waterbody, undertake removal of unwanted vegetation, check for changes to the structural integrity of all embankments. Ensure source supply

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### Waterbody Inspection and Maintenance - Reservoir

Action	Trade	Action Details
		points are free flowing and there are no upstream issues. Inspect inlet / outlet waterways for 10m-20m upstream for accumulated debris and clear as necessary. Report major issues such as erosion or structural issues as work requests.
Inspect	Civil Engineer	Inspect condition of civil structures.
Maintenance	Civil Engineer	Inspect structural condition – reservoir, wells & water pipelines / culverts.
Report	Civil Engineer	Report on civil and structural condition of reservoir / retainment structure