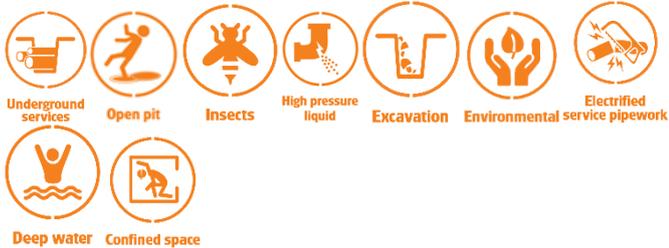


Document Owner: Manager Customer Planning

## Waterbody Inspection and Maintenance - Dams

### 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 or on 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 - Dams

### Standard Operating Procedure

Planned maintenance procedure for inspection and maintenance of dam 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 and accumulated floating debris from intake structures (manually).
Inspect	Licensed Operator	Inspect intakes for larger debris accumulation. Clear minor issues report major issues as work requests.
Maintenance	Licensed Operator	Remove all windblown floatables, litter etc from retention area and surrounds.
Maintenance	Licensed Operator	Clean transducers and analytical instrumentation.
Maintenance	Licensed Operator	Check operation of control valves and lubricate as necessary
Maintenance	Licensed Operator	Check platforms, guard rails and safety barriers they are secure and no corrosion or vandalism or similar defects that would compromise safety etc
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	Retention pond cleaning. Clear minor material build up, report majors issues as work requests.
Maintenance	Licensed Operator	Inspect and clean all intake / outlet pipework and spillways
Maintenance	Licensed Operator	Walk perimeter of waterbody, undertake removal of unwanted vegetation. This may be mechanical cut with scrub bar or similar vegetation cutting device. Check for changes to the structural integrity of all embankments. Ensure source supply points are free flowing and there are no upstream issues. Inspect inlet water ways 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 – dam / retention structure, wells & water pipelines / culverts.
Report	Civil Engineer	Report on civil and structural condition of dam / retention structure