

Document Owner: Manager Customer Planning

Containment Assets -Dams Civil Structures - Planned Maintenance

Planned maintenance procedure for inspection and maintenance of Dams & Civil structures.

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
- Gas detection

Operation's & Maintenance Documentation

- Corridor Access Requests (CAR) and WIP Permits (site specific or generic/global)
- Service plans (B4uDig)
- Design drawings
- Site plans
- Notification Calling Cards

Customer Information (Confidential)

- Blow Back at risk customers (WWL)
- Vulnerable customers (DHB supplied list)
- Priority customers (WWL)

Priority Customer Categories

- Schools and Childcare
- Commercial premises
- Hospitals
- Retirement Homes/Villages
- Correction Facilities
- Military Installations
- Oil and Gas Refinery Schools
- Commercial premises
- Hospitals
- Retirement Homes/Villages
- Prisons, Military Installations, Oil Refinery

Emergency Procedure / Escalation

Emergency

- In event of service strike to utility/energy source (e.g. fuel, Gas, Power, Water etc.) report immediately to team leader
- Make "Site Safe" and isolate risks to people or property with resources at hand

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)

Mechanical Fitter or Welder.
Contractor (all types).

Standard Operating Procedure

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Planned maintenance procedures for the inspection and maintenance of civil engineered containment structures (Dams and reservoir) civil structural components.

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.
Special Requirement	Structural inspections to be undertaken by an appropriately qualified engineer

Prepare to do the work

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

Perform the work

Action	Trade	Action Details
TMP	Licensed operator	Implement TMP if needed Amend and update to suit site requirements
Inspect	Licensed operator	Inspect Dam upstream face for structural integrity Inspect all retaining faces for seepage. If present record extent and estimated flow rates. Photograph all areas of seepage
Maintenance	Licensed operator	Clear intakes and outflows to ensure free flow of water. Remove impediments if present
Inspect	Civil/Structural Engineer	Inspect Spillways for structural damage or erosion. Outlet pipes for structural damage or erosion. Dam crest for structural damage or erosion. Abutments if present for structural integrity Dam internal structural components for damage and erosion. Photograph areas of seepage and records estimated flow rates.
Report	Civil/Structural Engineer	Produce report of review of Dam or Reservoir assessment