

Document Owner: Manager Customer Planning

## PRV Valves and Valve Chambers - Planned Maintenance

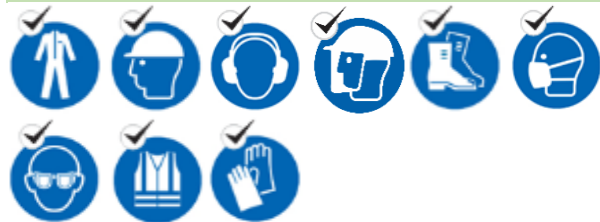
Planned maintenance procedure for maintenance and testing of pressure relief / control valves and associated chambers.

### 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.
- Confined Space Entry
- Notify customers of isolation of network

#### 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)

- Vulnerable customers (DHB supplied list)
- Priority customers (WWL)

#### Priority Customer Categories

- Schools
- Commercial premises
- Hospitals
- Retirement Homes/Villages
- Prisons, Military Installations
- Oil Refinery

#### 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 Operators.

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### Standard Operating Procedure

#### 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.
PPE	Leather gloves and hearing protection.

#### Prepare to do the work

Action	Action Details
Pre Start Process	Complete the Daily Pre Start - Planning 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 @ 4 weeks

Period -weeks	Action	Trade	Action Details
04	Record	Licensed Operator	<b>Flow Meter (if fitted) m3</b> if a turbine meter has been installed record reading
04	Inspect	Licensed Operator	<b>Valve chamber condition</b> Visually inspect Valve chamber for water damage and condition. Carry out basic remediation of issues and generate new work order for significant works
04	Inspect	Licensed Operator	<b>Valve chamber hatch</b> Check Valve chamber hatches and covers for security and functionality. Carry out basic remediation of issues and generate new work order for significant works
04	Inspect	Licensed Operator	<b>PRV and pipework condition</b> Inspect Valve chamber pipework for leaks, water flooding and corrosion (picture required). Carry out basic remediation of issues and generate new work order for significant works
04	Inspect	Licensed Operator	<b>RTU cabinet</b> Visually inspect Telemetry cabinet and aerial equipment for condition report any issues
04	Maintenance	Licensed Operator	<b>Vermin control</b> Check vermin and insect bait stations and refill as necessary.
04	Record	Licensed Operator	<b>Pressure readings</b> Inlet and Outlet pressure gauge reading, where fitted.

#### Perform the work @ 52 weeks (includes previous schedules)

Period -weeks	Action	Trade	Action Details
52	Maintenance	Licensed Operator	<b>Verify operation of pressure transducers</b> Check pressure transducers are in good condition and operating as designed. Carry out basic remediation of issues and generate new work order for significant works
52	Maintenance	Licensed Operator	<b>Test and calibrate gauges</b> Inspect and confirm Pressure gauge operational and zeroed
52	Maintenance	Licensed Operator	<b>Verify PRV high flow functions</b> Open hydrant down from the PRV and verify pressure are within tolerance
52	Maintenance	Licensed Operator	<b>Exercise Pressure Relief Valve</b> Drop setting on relief valve to verify its operation and return to normal setting. Replace if not operating correctly
52	Maintenance	Licensed Operator	<b>Check all valves</b> Exercise valves. Generate work order where valve function not acceptable and repair or replacement required