

# Infrastructure self-audit checklist

## Risk Exposure

### Have you identified and documented the risks that matter to your business?

These could include, but might not be limited to:

- General business risks such as ability to trade or grow/expand your business.
- General operational risks such as availability and access to suppliers, materials, service providers, etc. e.g. will you be able to access greater volumes of treatment chemicals when you need them?
- Specific operational risks such as impact to water and sewerage services in extreme weather events or other abnormal operational environments (Operator needs to unexpectedly go on immediate compassionate leave).
- Public Health risks such as the risk of a major outbreak (e.g. gastro outbreak), customer complaints about aesthetic water quality (e.g. taste, odours, appearance), etc.
- Environmental risks such as the risk of tanks overflowing, uncontrolled releases of treated effluent.
- Any other risks with the ability to interfere with your ability to supply water and sewerage services to your customers and guests.

sewerage services to your customers. Some examples:

- Possible single points of failure, e.g. a duty only pump in the key location in the sewerage network. If this pump fails it could take out an entire block of guest houses. (The treatment/control of the risk may be as complex as designing and installing a dedicated standby pump that comes on automatically if the duty pump fails, or as simple as keeping a “cold stand-by” pump on the shelf that can be changed over in a couple of hours.)
- A highly complex piece of equipment or asset that requires specialist support that could be in high demand, e.g. this could be your control system that only one or two specialist sub-contractors know how it works. Have contingencies in place should these resources not be available to immediately respond to your crisis.
- A key service that you cannot afford to have delayed. This could be chemical suppliers and the lag time in ordering a higher quantity of chemical supply or a contractor that carts sludge or provides some other niche service. Make sure these suppliers are ready to respond to increased activity or more frequent service during the busy season.

### Do you use your risk assessment, equipment, asset service history and other operational documents to understand your “weak points”?

These will be the risks that have the highest chance of preventing you from providing uninterrupted, quality water and

### Do you use your risk assessment to develop a sound and sensible maintenance plan for your assets?

Plan to upgrade, replace or repair your assets based on the relative risk to your business so you can prioritise.

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