Maia Isabel Rangi

Wastewater Treatment Plant Operator

wastewater-treatment-operator@example.test · Hamilton, New Zealand

Treatment operations

12 ML/day — Average dry-weather flow across the network's main treatment works.

94% to 99% — On-schedule process samples in consecutive six-month periods.

Three wet-weather events — Dispatch and handover records used to improve shift readiness.

Summary

Treatment plant operator working rotating shifts on a municipal wastewater system. Logs process changes, reviews telemetry and coordinates sampling with the laboratory. Supports maintenance planning with clear equipment status and alarm history, especially during sustained wet weather.

Experience

Wastewater Treatment Plant Operator

Kauri Bend Water Services

2020-10 – Present

- Operate the 12 ML/day treatment works with the duty team. Monitor trends and equipment status during routine checks and escalate abnormal changes to the process lead before altering the operating plan.
- Reconciled laboratory collections against the rotating sampling roster. Replaced duplicate handoff entries with a single owner and confirmation field. The share of on-schedule samples rose from 94% to 99% in the next six-month review.
- Prepared shift records for three wet-weather events. Separated observed flow peaks, alarm acknowledgements and maintenance tasks so the incoming supervisor could assign the outstanding checks.
- Worked with maintenance on recurring pump alerts. Logged run hours, the sequence of alarms and the effect of temporary changeover, letting technicians prioritise inspection during the planned access window.

Treatment Operations Assistant

South Fern District Water

2017-02 – 2020-09

- Collected and labelled process samples against the shift roster. Matched handoff times and container counts to the laboratory acceptance sheet and referred any mismatch to the duty operator.
- Recorded inspection notes along the routine site route and corrected duplicated equipment labels after checking the asset register. Updated the route sheet with the plant supervisor.
- Prepared the weekly history of outstanding maintenance requests. Confirmed which jobs were waiting on parts and brought unresolved access requirements to the next planning meeting.

Education

Diploma in Water and Environmental Operations

Harbour Fern Technical Institute

2017

Skills

Treatment operations · Sample chain of custody · SCADA · Alarm review · Shift handover · Asset records

Languages

English · Te reo Māori