

	<p>Suspended Solids (TSS), Ammonia Nitrogen (NH₃-N), Nitrate-Nitrogen (NO₃-N), and Total Nitrogen (TN). These samples are collected and tested five days a week.</p> <p>The samples are taken from a number of autosamplers at each process step. The autosamplers automatically collect samples across the day to provide a composite sample representative of the preceding 24-hour period.</p> <p>The results from the on-site lab are available almost immediately, and as such are important to inform operational monitoring decision making.</p> <p>The onsite lab does not undertake tests for E. coli levels.</p>
<p>ii. Operational Monitoring (external lab)</p>	<p>To assist with validating the results from the on-site lab, samples are also sent to an external and accredited lab on a weekly basis. These samples are taken from the same locations and tested for an expanded list of parameters compared to the daily tests described above. The weekly tests include E. coli.</p> <p>Please note that testing by the independent laboratory Eurofins may take up to 10 days to complete, and the final certificate of testing will be issued afterward. This timeline is determined by the specific parameters being tested.</p>
<p>iii. Consent Compliance Monitoring</p>	<p>Consent compliance monitoring water samples from the treatment plant are collected monthly. The majority of the parameters tested are collected from a sample from the autosampler located downstream of the UV disinfection plant, immediately prior to the discharge point from the plant (providing a sample representative of the plant's performance over the previous 24 hours). The exception is the sample tested for E. coli which is collected as a 'grab' sample.</p>
<p>iv. Environmental Monitoring</p>	<p>The environmental monitoring regime for river water sampling was established when the Council reverted to a direct discharge to the Shotover River under emergency works.</p>

	<p>Sampling is now being conducted weekly at multiple locations along the Shotover and Kawarau Rivers—both upstream and downstream of the discharge point.</p> <p>Please note that prior to March 2025, a reduced scope of environmental monitoring was also being carried out monthly in the Shotover and Kawarau rivers.</p>
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2. Also, the exact time and place for your (zero) March 31st data.

The sample collected at 9:00 AM on 31 March 2025 corresponds to the 'EFF Final Discharge' location shown on the enclosed [map](#). The sample was obtained from the plant's refrigerated autosampler, which gathers treated wastewater discharged from the plant throughout the day to form a composite sample. This approach ensures the sample represents the treatment performance over the preceding 24 hours. The E. coli result from this time was tested from a grab sample taken at the same time.

The sample was received at the Invercargill lab at 8:30 AM the day after sampling and the test commenced within 24 hours of the sample being collected.

Please note that the enclosed link will expire on 8 June 2025, 2:30 PM.

We trust the above information satisfactorily answers your request.

Kind regards,



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