

10<sup>th</sup> July 2013

Mr Roger Gould  
Senior Resource Management Officer  
Compliance Monitoring  
Environment Canterbury  
PO Box 550  
TIMARU 7940

Dear Roger

**Opuha Water Ltd – Consent Self-Monitoring Annual Report**

Please find enclosed our Consent Self-Monitoring Annual Report for the 2012/13 reporting period. Please accept our apologies for the late delivery of this report, primarily due to a delay in the receipt of the annual river survey report.

This year, the report includes the Annual Dam Safety Inspection Report undertaken by Tonkin and Taylor Limited in April 2013. Tonkin & Taylor Ltd continue to be engaged by Opuha Water Ltd for the on-going engineering support for dam safety matters. This year's Annual Safety Inspection Report also includes a report from Opus International Consultants Ltd on the latest (sixth) deformation survey.

The report also includes a report on the annual river survey which again is showing little change in the geomorphology or biota in the surveyed area.

Lake storage remained at satisfactory levels to ensure both the environmental and irrigation demands throughout the April 2012 - March 2013 reporting period were exceeded.

A highlight of the year was the completion of a flushing flow trial which saw a peak flow of 32.8m<sup>3</sup> released from the downstream weir in February 2013. Analysis completed by NIWA showed that the flush was effective in removing green filaments, Phormidium and 11-40% of didymo in the Opuha River. OWL is continuing to explore options to improve river health through the management of our release operations.

We are continuing to investigate some alternative options to provide us with a more resilient downstream weir facility that will reduce the likelihood of the fusible embankment section washing out and also provide us with a better ability to create flushing flows in an effort to improve downstream river health. It is our intention that this enhancement will be started within our current financial year.

Once again Roger, I would like to thank you and your team members for your support of our operation throughout the year and your willingness to provide input and advice to us as we attempt to continuously improve the environmental performance of our operation.

Yours sincerely  
OPUHA WATER LTD

A handwritten signature in blue ink, appearing to read 'Stephen Pagan', is enclosed in a light blue rectangular box.

Stephen Pagan  
Operations and Asset Manager

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