

5 October 2023

Christchurch City Council
Attn To: Joe Harrison
PO Box 73014
Orchard Road
Christchurch 8154

Dear Sir/Madam

Compliance Monitoring Report

Please find enclosed your compliance monitoring report for the following activity. It contains important information which needs to be read carefully.

Consent number: CRC231955
Location: Global, Christchurch
Description: To discharge water and contaminants to land and water from the stormwater network.

Overall Inspection Compliance: Non-compliance Action required

This matter needs your immediate attention.

Important: *The Overall Inspection Compliance grade above relates only to the conditions monitored as part of this inspection. It does not change the status of previous grades received for other consent conditions. If you have received a non-compliance grade for other conditions, please continue to take appropriate action to achieve or maintain compliance.*

Actions required:

Condition 6 - Please re-submit the Ōpāwaho/Heathcote and Huritini/Halswell stormwater management plans by COB on the 22nd of December 2023

Condition 7 - Please re-submit the Ōpāwaho/Heathcote and Huritini/Halswell stormwater management plans by COB on the 22nd of December 2023

Condition 15 b) - A review of the draft SMPs by the relevant TPRP members was submitted, however a description was not provided within the Stormwater Management Plans of the Consent Holders response to that review. Please ensure that this is incorporated once these are re-submitted.

Condition 32 (d) - Please provide an update on progress with the Condition 32(d) report, or, the finalised report if it is available by the 31st of October 2023.

Condition 40 - Please ensure that an Industrial Liaison Group meeting is convened annually.

Doc No: C23C/210803
Your Customer No: EC111751
File No(s): CRC231955

Condition 41 - The results of the Residential Building Site Erosion Sediment Control Compliance Survey demonstrates wide scale non compliance across building sites. Please provide a Remediation Action Plan outlining how Christchurch City Council plans to remedy this issue, and a timeframe for the actions involved. This Remediation Action Plan should be submitted by the 31st of October 2023.

Condition 44 - Please provide a summary of where and how inspection records are recorded and maintained in general for development sites. Please provide detailed inspection records including site TSS concentration, trigger level exceedance, compliance monitoring and enforcement action for Sabys Estate and Goulds Development on 430 Sparks Road. This information should be submitted by the 31st of October 2023.

Condition 54 - Please ensure that the mana whenua values monitoring sites and methodology (developed in collaboration with Papatipu Runanga) are incorporated into the next revision of the EMP as required by Condition 54.

Please contact me on 0800 324 636 to discuss the actions needed to achieve compliance.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Newlands', with a stylized initial 'J'.

Jess Newlands
Resource Management Technical Lead

Consent No: **CRC231955**

Description of consent

To discharge water and contaminants to land and water from the stormwater network.

Date Consent Number Issued

30 Nov 2022

Location

Global, Christchurch

Expiry Date

20 Dec 2044

Conditions & compliance

- 0 **ADVISORY NOTE** - *The following conditions for the Christchurch City Comprehensive Stormwater Network Discharge Consent have been prepared according to the agreed practices of the Joint Christchurch City Council & Canterbury Regional Council Stormwater Management Protocol, Report U10/12 (the Protocol). The Protocol establishes how Canterbury Regional Council and Christchurch City Council will work together to achieve integrated catchment wide stormwater management in Christchurch. The Protocol records the understanding between Canterbury Regional Council and Christchurch City Council but does not create legal obligations that are enforceable by either party. Appendix 4 of the Protocol sets out responsibilities pertaining to compliance and operations and notes the role of the Water Issues Management (WIM) Group in any enforcement matters.*
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- 1 Except where excluded under Condition 2, this consent authorises the discharge of stormwater onto or into land or into surface water which:
- a. is generated from within the territorial boundaries of Christchurch City Council; or
 - b. enters the stormwater network from outside the Christchurch City Council boundary.

Compliance Report:

Complies

The activities which occur under this consent are consistent with the scope of this condition.

- 2 This consent excludes discharges:
- a. Emanating from land within Banks Peninsula that is outside the Settlement Areas of Banks Peninsula; and
 - b. From private stormwater systems that bypass the stormwater network and discharge into the Coastal Marine Area; and
 - c. Emanating from hardstand areas of non-residential existing sites discharging onto or into land via private networks unless the discharge has been previously authorised by the Christchurch City Council; and

- d. From any activity not existing at the commencement of this resource consent, re-development, or development site on the Canterbury Regional Council's Listed Land Use Register that is considered by the Christchurch City Council to pose an unacceptably high risk of surface water or groundwater contamination; and

Advice Note: *The identification of unacceptable high risk will be in the manner required by the Memorandum of Understanding for Stormwater Discharges in Christchurch City (2014), or successor document, between the Christchurch City Council and Canterbury Regional Council until a risk matrix is finalised under Condition 3 below.*

- e. Emanating from any stage of a development site with a total area of disturbance exceeding 5 hectares on flatland or 1 hectare on hill land; and
- f. From any site listed on the attached Schedule 1 'Sites excluded from the Christchurch City Council Comprehensive Stormwater Network Discharge Consent':
 - i. At commencement of this resource consent; or
 - ii. As a result of the process set out in Condition 3 below; or
 - iii. As a result of the process set out in Condition 47.

Compliance Report:

Complies

I consider that the Christchurch City Council is compliant with this condition. I have reviewed the stormwater approvals issued by Christchurch City Council as attached to the 2022 Annual Report, Appendix A (C23C/163848), and the various correspondence between Christchurch City Council and the Environment Canterbury Contaminated Land Team. I am not aware of any discharges that have been authorised, or excluded, by this consent and shouldn't have been.

The identification of unacceptable high risk will be in the manner required by the Memorandum of Understanding for Stormwater Discharges in Christchurch City (2014), or successor document, between the Christchurch City Council and Canterbury Regional Council until a risk matrix is finalised under Condition 3 below. The Memorandum of Understanding for Stormwater Discharges in Christchurch City (2014) is considered by ECan contaminated land staff to be outdated. It is missing categories ("yet to be reviewed" and "not investigated") and was developed for residential sites only. I have asked ECan contaminated land staff to review the document and to suggest changes. This will need to be agreed upon by both Councils once complete. An example of a site that would have been identified as moderate to high risk if the MOU had been updated is 379 Gardiners Road, Belfast.

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- 3 Discharge into the stormwater network from the sites excluded by Conditions 2(d), 2(e) or 2(f) are authorised under this consent on 1 January 2025, or when current discharge permits expire or are surrendered for those sites, whichever is the latest, unless through the transitional arrangements set out below, or through the audits described in Condition

47, the Consent Holder determines that the discharge poses an unacceptably high risk of surface water or groundwater contamination. The transitional arrangements are:

- a. Within 6 months of the commencement of this resource consent, the Consent Holder shall engage with the Canterbury Regional Council to obtain full details of all of the consented discharges excluded from this consent until 2025, including information on site activities, conditions and compliance records;
- b. Within 30 months of the commencement of this resource consent, the Consent Holder shall draft a risk matrix to identify and rate the risk associated with each of the stormwater discharges where information has been provided under Condition 3(a), and those discharges described in Condition 2(d) and 2(e). The criteria used to identify and rate the risk associated with each discharge shall be clear and objective. The risk matrix shall be developed as follows:
 - i. Within 18 months of the commencement of this consent, the Consent Holder shall prepare a draft risk matrix and provide it to the Industry Liaison Group for comment;
 - ii. The Consent Holder shall invite the Industry Liaison Group to provide comment within 2 months of providing the draft risk matrix to them for comment;
 - iii. Within 3 months of receiving the comment referenced in Condition 3(b)(ii), the Consent Holder shall prepare a memo and/or revised risk matrix addressing that comment and circulate it to the Industry Liaison Group along with an invitation to an Industry Liaison Group meeting;
 - iv. Within one month of the meeting held under Condition 3(b)(iii), the Consent Holder shall circulate minutes, including points of agreement and disagreement between the parties;
 - v. Any changes to the draft risk matrix shall be provided to the Industry Liaison Group for feedback no less than 2 months prior to being submitted to Canterbury Regional Council.
- c. Within 4 years of the commencement of this consent, the Consent Holder shall provide to the Canterbury Regional Council a Transition Plan for the discharges excluded by Conditions 2(d), 2(e) and 2(f) that includes, but is not limited to:
 - i. A description of the regulatory methods that will be used by the Consent Holder to ensure that previously excluded discharges will be subject to standards that achieve required environmental outcomes as described in Condition 3(e);
 - ii. The risk matrix prepared under Condition 3(b);
 - iii. A description of site-specific monitoring plans for particular sites from which the discharge is rated high in the risk matrix;
 - iv. A description of the process that the Consent Holder will use to determine, in collaboration with Canterbury Regional Council and through engagement with affected site owners and/or operators, whether a site will remain excluded from authorisation under this consent due to its

discharge posing an unacceptably high risk of surface water or groundwater contamination;

- d. If as a result of the risk matrix and process set out in Condition 3(b) it is determined that the discharge poses an unacceptably high risk of surface water or groundwater contamination then that discharge will remain excluded from this consent and listed on the attached Schedule 1;
- e. The Consent Holder shall ensure that all other sites referred to in Condition 3(a) are, from the date on which the discharges are authorised under this resource consent, subject to standards that result in the same or better environmental outcomes for the quality and quantity of the discharge as those that were in the relevant site specific resource consent issued by the Canterbury Regional Council.

Advice Note: *Discharge into the stormwater network will still require approval from Christchurch City Council, as owner and operator of the stormwater network, following the surrender or expiry of discharge permits for the sites noted above, or from 1 January 2025, whichever is the latest.*

Compliance Report:

Complies

The actions required by this condition are currently on schedule and compliant. Specific comments as follows:

Condition 3a. A list of consented discharges excluded from this consent has been supplied to the consent holder. The additional information is yet to be submitted due to the complexities of compiling this data. Consent holder to advise ECan with regards to what/how they want this additional data transferred.

Condition 3b. A draft risk matrix was provided to the Industry Liaison Group for comment. Feedback was given by the Oil Companies and submitted to ECan. A memo addressing the comments was re-circulated to the group. The risk matrix was discussed in the December 2021 meeting and minutes submitted to ECan. A final Risk Matrix was submitted to ECan on the 13th of September 2022.

Condition 3c. Note that the Transition Plan required by this consent condition is due to be submitted by December 2023.

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- 4 The Consent Holder shall, in consultation with:
 - a. Papatipu Runanga;
 - b. The relevant Zone Committee(s) (or successor organisation);
 - c. The relevant Community Board(s) (or successor organisation);

- d. The Department of Conservation; and
- e. The CRC Regional Engineer and any relevant Rating District Liaison Committee;

develop, and as necessary update, Stormwater Management Plans (SMPs) in accordance with the programme set out in Table 1 and submit each SMP to Canterbury Regional Council, Attention: Regional Leader – Monitoring and Compliance for certification that it contains the matters required by Condition 7 and is consistent with the purpose of SMPs in Condition 6.

Compliance Report:

Complies

The consent holder is compliant with this condition as three Stormwater Management Plans have been submitted for certification since the commencement date of this consent - Ōpāwaho/Heathcote, Huritini/Halswell and Ihutai Estuary and Coastal.

These SMPs were submitted prior to the date stipulated in Table 1. To date however, certification has only been provided by Environment Canterbury for the Ihutai Estuary and Coastal Stormwater Management Plan.

The Consent Holder

- 5 SMPs shall be reviewed and submitted for certification to Canterbury Regional Council, Attention: Regional Leader – Monitoring and Compliance every 10 years from the date of the certification of the SMP, except that:
 - a. The Styx SMP shall be reviewed and submitted by 20 December 2023, and then 10-yearly after its certification; and
 - b. The Halswell SMP shall be reviewed and submitted by 20 December 2021, and then 10-yearly after its certification.

Table 1: SMP Programme

SMP Area	Date SMP Operative	Date Submitted to Canterbury Regional Council
Otakaro/ Avon River Area Christchurch		30 June 2024
Puharakekenui/ Styx River Area Christchurch	30 June 2014	
Huritini / Halswell River Area Christchurch	30 June 2016	
Ōpāwaho/ Heathcote River Area Christchurch		Within 24 months of the commencement of this consent
Estuary and Coastal Area Christchurch		Within 30 months of the commencement of this consent
Ōtukaikino/ Outer Area Christchurch		30 June 2023
Te Pataka o Rakaihautu / Banks Peninsula Settlements		20 December 2024

Compliance Report:

Non-compliance No action required

This condition is graded non compliant as the the Ōtukaikino/Outer Area Christchurch Stormwater Management Plan was submitted late on the 29th of September 2023.

Four Stormwater Management Plans have now been submitted for certification since the commencement date of this consent - Ōtukaikino/Outer Area Christchurch, Ōpāwaho/Heathcote, Huritini/Halswell and Ihutai Estuary and Coastal. These SMPs were submitted prior to the date stipulated in Table 1. Certification has been provided by Environment Canterbury for the Ihutai Estuary and Coastal SMP. The dates in this condition were changed through a formal consent variation process.

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- 6 The purpose of the SMPs is to:
- a. Contribute to meeting the overall contaminant load reduction standards set in Condition 19 and 20;
 - b. Set a contaminant load reduction target(s) for each catchment in that SMP area in order to demonstrate the commitment of the Consent Holder to the improvement of stormwater discharge quality over time;
 - c. Demonstrate the means by which:
 - i. The quality of stormwater discharges will be progressively improved towards meeting the Receiving Environment Objectives and Attribute Target Levels for waterways, coastal waters, groundwater and springs set out in the conditions of this consent and in Schedules 7 to 9; and
 - ii. Receiving Environment Objective and Attribute Target Levels for water quantity in Schedule 10 will be met;
 - d. Provide for discharge of stormwater to land infiltration systems where reasonably practicable as the means to demonstrate that stormwater contribution to groundwater and spring-fed stream flows will be maintained;
 - e. Demonstrate the means by which Christchurch City Council stormwater infiltration facilities constructed by, or on behalf of, the Consent Holder, after the commencement of this consent will be designed, located and operated to avoid, remedy or mitigate adverse effects of groundwater mounding on other land in anything more frequent than the critical 2% AEP Event;
 - f. Plan the works required to mitigate the effects of stormwater discharges to the extent required by this resource consent;

- g. Implement the conditions of this consent as they apply to each catchment, including the best practicable option for weed management in the Puharakekenui/Styx River as determined under Schedule 4(x).

Compliance Report:

Non-compliance Action required

Three Stormwater Management Plans have been submitted for certification since the commencement date of this consent - Ōpāwaho/Heathcote, Huritini/Halswell and Ihutai Estuary and Coastal. At the time it was considered that the Stormwater Management Plans did not meet the purpose of Condition 6, and thus certification was not provided. It was agreed that updated revisions were to be re-submitted to Environment Canterbury by the end of December 2022. External consultant delivery delays prevented the Ōpāwaho/Heathcote and Huritini/Halswell SMPs from being finalised, and to date these have not been received.

On the 21st of December 2022, the Ihutai Estuary and Coastal Stormwater Management Plan (SMP) was re-submitted for review and certification by Environment Canterbury. The amended SMP was reviewed by technical experts from the river engineering, groundwater science, surface water science and compliance teams. Formal certification was provided by Environment Canterbury on the 17th of February 2023 that the Ihutai Estuary and Coastal Stormwater Management Plan, dated June 2022, CCC TRIM ref 22/1536729 (ECan Content Manager ref C22C/294774) is considered to fulfil the requirements of resource consent CRC231955, specifically Conditions 4 through 8 for the Estuary and Coastal Area.

Action required:

Condition 6 - Please re-submit the Ōpāwaho/Heathcote and Huritini/Halswell stormwater management plans by COB on the 22nd of December 2023

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- 7 SMPs submitted to Canterbury Regional Council after the commencement of this resource consent shall include but not be limited to the information set out in Schedule 2.

Compliance Report:

Non-compliance Action required

Three Stormwater Management Plans have been submitted for certification since the commencement date of this consent - Ōpāwaho/Heathcote, Huritini/Halswell and Ihutai Estuary and Coastal. It was considered that the Ōpāwaho/Heathcote and Huritini/Halswell Stormwater Management Plans did not contain the requirements of Schedule 2 and thus certification was not provided.

The Ihutai Estuary and Coastal SMP has been certified, and is considered to include the information set out in Schedule 2.

Action required:

Condition 7 - Please re-submit the Ōpāwaho/Heathcote and Huritini/Halswell stormwater management plans by COB on the 22nd of December 2023

- 8 Prior to submitting a SMP or any reviewed SMP or any amendment to a SMP to the Canterbury Regional Council, other than an amendment agreed with Canterbury Regional Council as making minor changes and corrections, the Consent Holder shall:
- a. In early development stages for a possible SMP, provide a briefing to and invite comments from the parties listed in Condition 4.
 - b. Following completion of a draft SMP, provide a draft copy to the parties listed in Condition 4, inviting feedback within a time frame of not less than 40 working days:
 - c. Give public notice of the draft SMP and invite written feedback within a timeframe of not less than 40 working days.
 - d. Have regard to the feedback in clauses (b) and (c).
 - e. Prepare a summary of feedback received, and a brief explanation of whether and how comments have been incorporated into the SMP.

Compliance Report:

Complies

A summary of engagement and feedback and records of briefing with the parties listed in Condition 4 has been submitted to Environment Canterbury for all three Stormwater Management Plans submitted thus far. Public notice was given for all three Stormwater Management Plans and a summary of received feedback has been submitted.

- 9 The Consent Holder shall amend the SMPs as it considers necessary to respond to:
- a. The results of the Christchurch Contaminant Load Model (C-CLM) and contaminant load reduction targets set within the SMPs, or any revisions thereof;
 - b. The results of monitoring, including any investigations or outcomes in relation to the responses to modelling and monitoring under Conditions 56 to 59;
 - c. Outcomes of investigations and trials carried out under Conditions 39 and 40 and Schedules 3 and 4;
 - d. Any changes to relevant national, and/or regional planning documents including those that result from the LWRP sub-regional chapter development process;
 - e. The use of new technologies, new opportunities for additional mitigation (such as for infill areas or retro-fit) or new constraints on the implementation of mitigation due to changes in developer plans; and
 - f. New environmental data and research including updated international and national best practice technologies.

Compliance Report:

Not operational

No amendments have been made to Stormwater Management Plans thus far

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- 10 Any amendments to SMPs, other than those agreed with Canterbury Regional Council as making minor changes and corrections, shall not replace the previous version until the amendments have been certified by the Canterbury Regional Council as containing the matters required by Condition 7 and as being consistent with the purpose of SMPs in Condition 6. For the avoidance of doubt, any amendments shall not reduce the likelihood of meeting the Receiving Environment Objectives and Attribute Target Levels.

Compliance Report:

Not operational

No amendments have been made to Stormwater Management Plans thus far

- 11 The purpose of an Implementation Plan is to give effect to certified SMPs and to include the matters set out in Condition 12. An Implementation Plan shall be:
- Prepared by the Consent Holder, through engagement with Papatipu Runanga under Condition 13(a), and with the Department of Conservation, within 18 months after the commencement of this resource consent;
 - Updated to give effect to new, reviewed or amended SMPs within 12 months of SMPs being certified;
 - Reviewed by the Consent Holder every 3 years, with reference to the Christchurch City Council Long Term Plan; and
 - Made available to Canterbury Regional Council and Papatipu Runanga on request.

Compliance Report:

Complies

The final revision of the Implementation Plan was submitted in July 2021. The draft was sent to both Papatipu Rūnanga and the Department of Conservation with no request for changes.

The Implementation Plan will need to be updated to give effect to the Ihutai Estuary and Coastal SMP within 12 months of the certification been received by the consent holder (17 February 2024).

A review with reference to the Christchurch City Council Long Term Plan will be required in 2024.

- 12 The Implementation Plan shall include but not be limited to:
- A list and map of proposed stormwater mitigation methods and devices;
 - A programme of stormwater works for Christchurch City Council and anticipated private development;

- c. A plan for regulatory, investigative, educational and preventative activities or programmes relating to stormwater discharges, including activities undertaken under Conditions 39 and 40 and Schedules 3 and 4;
- d. Details of budgets for capital works or resourcing that is linked to the Christchurch City Council Long Term Plan.

Compliance Report:

Complies

I have reviewed the Implementation Plan and confirm that the contents meet the requirements of this condition. As per Condition 12(a), a map of proposed stormwater treatment facilities and devices is provided within Appendix A of the submitted Plan. The Plan notes that these are indicative locations only.

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- 13 The Consent Holder shall engage with Papatipu Runanga:
- a. In the development and review of the SMPs required under Conditions 4 and 8, and other amendment to SMPs, and the development of the Implementation Plan required under Conditions 11 and 12;
 - b. At concept design stage for the installation of stormwater treatment facilities and devices with regard to wahi tapu and taonga;
 - c. By providing quarterly reports to Mahaanui Kurataiao Ltd on stormwater developments, projects and monitoring under this resource consent;
 - d. By the engagement required by Conditions 56 to 58 on responses to modelling;
 - e. By providing the investigation report required by Condition 59 on responses to monitoring; and
 - f. By holding an annual meeting with Mahaanui Kurataiao Ltd to discuss stormwater works under this resource consent, and Papatipu Runanga input predicted for the next 12 month period.

Advice Note: *The Christchurch City Council is committed to working in partnership with Papatipu Runanga through the implementation of the resource consent. This is aimed at achieving the goals of the resource consent and providing for the ongoing involvement of mana whenua as well as identifying and reflecting mana whenua values and interests in the management of stormwater. While the partnership approach needs to be confirmed with Papatipu Runanga, it may involve the establishment and resourcing of a joint CCC/Papatipu Runanga Stormwater Working Party along with relevant technical support involving Mahaanui Kurataiao Ltd as well as Te Runanga o Ngai Tahu. It is envisioned that the working party would meet not less than annually and provide a forum for advising on resource consent implementation.*

Compliance Report:

Complies

This condition is graded compliant as per the following:

Condition 13a- The consent holder engaged with Papatipu Rūnanga in the development of SMPs.

Condition 13b - The consent holder has not needed to engage with Papatipu Runanga at concept design stage for the installation of stormwater treatment facilities and devices in the last monitoring period (6 months) as no design has progressed.

Condition 13c - The consent holder has sent the MKT quarterly report for Q1 2023 to ECan. The Annual report was provided to MKT in lieu of a quarterly report.

Condition 13d - The modelling required by conditions 56 through 58 is not yet complete.

Condition 13e - The Condition 59 report was provided to Megan Hickey and Fraser Doake (MKT) for comment.

Condition 13f - The 2023 annual meeting was held on Monday the 25th of September.

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- 14 The Consent Holder shall establish, at its own cost, the Stormwater Technical Peer Review Panel (Stormwater TPRP), for the purpose of providing scientific and technical review of:
- a. The draft risk matrix required by Condition 3(b) of this resource consent and any subsequent amendments of the risk matrix; and
 - b. Each Draft SMP, including those being reviewed as required under Condition 4 and 5 of this resource consent or being amended under Condition 9, and provide technical advice to the Consent Holder as to whether it is fit for purpose and meets the requirements of Conditions 6 and 7 of this resource consent; and
 - c. The scope of the feasibility studies and investigations required by Condition 39 and Schedule 3 (actions a - h) and Condition 40 and Schedule 4 (actions d, e, j, k, r and s) of this resource consent; and
 - d. The scope of assessments and investigations required by Condition 57 of this resource consent; and
 - e. The outcomes of the feasibility studies and investigations to ensure that actions arising from them incorporate best practicable options.

Compliance Report:

Complies

The Stormwater Technical Peer Review Panel has been established and has conducted the reviews as noted under this condition.

- 15 The Consent Holder shall:
- a. Obtain a review of the draft risk matrix from the Stormwater TPRP, and attach a copy of the review to the draft risk matrix provided to the Canterbury Regional Council; and
 - b. Obtain a review of the draft SMP from the Stormwater TPRP, attach a copy of the review to the draft SMP, and provide a description within the SMP of the Consent Holder's response to that review; and
 - c. Obtain a review of the relevant feasibility study or investigation from the Stormwater TPRP, and attach a copy of the review to the relevant feasibility study or investigation provided to Canterbury Regional Council.

Advice Note: *The technical reviews under Condition 15 shall be provided by the relevant experts from the Stormwater TPRP and not the whole panel.*

Compliance Report:

Non-compliance Action required

This condition is graded as follows:

Condition 15 a) - Complies - A review of the matrix by a member of the TPRP was not included with the submission of the draft nor final risk matrix. This has now been submitted, and saved at C23C/7264.

Condition 15 b) - Non-compliant - A review of the draft SMP by the relevant TPRP members was submitted, however a description was not provided within the Stormwater Management Plans of the Consent Holders response to that review.

Condition 15 c) - Complies- Reviews of the feasibility studies have been appended to the relevant reports.

Action required:

Condition 15 b) - A review of the draft SMPs by the relevant TPRP members was submitted, however a description was not provided within the Stormwater Management Plans of the Consent Holders response to that review. Please ensure that this is incorporated once these are re-submitted.

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- 16 The Consent Holder shall appoint independent Stormwater TPRP members with expertise which could include but not be limited to the following:
- a. Stormwater engineering and hydrological/flood modelling;
 - b. Freshwater and coastal water quality and ecology;
 - c. Hydrogeology;

- d. Contaminated site/land management;
- e. Erosion and sediment control; and
- f. Mātauranga Māori and mahinga kai.

Compliance Report:

Complies

This condition is graded compliant as the TPRP has been formed. ECan received an email on the 5th of February 2021 with the names and positions of experts appointed with the exception of an expert in the field of Mātauranga Māori and mahinga kai. In an email dated the 10th of March 2021 the consent holder stated that Mahaanui Kurataiao Ltd will provide the Mātauranga Māori and mahinga kai technical peer-reviews, until such time as agreement between Papatipu Rūnanga can be reached upon the appointment and approval of a cultural expert to this position.

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- 17 If the Stormwater TPRP does not have expertise in any of the areas which it is required to advise the Consent Holder on, it shall inform the Consent Holder who may engage the services of a suitably qualified and independent expert to advise it on the matter.

Compliance Report:

Not operational

To date the consent holder has not needed to engage the services of an expert outside of the TPRP, that I am aware of.

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- 18 The Consent Holder shall provide any administrative support necessary for the Stormwater TPRP to carry out its functions.

Advice Note: *The Christchurch City Council intend for development of the SMPs to be a collaborative process with input from key stakeholders. During development of SMPs, Papatipu Runanga, CWMS Zone Committees and Canterbury Regional Council technical staff will be invited to all technical presentations and will have opportunity to review and comment on draft SMP documents. Presentations will be made at public meetings of both the Banks Peninsula and Christchurch-West Melton Zone Committees. Once all documented feedback has been considered and addressed, the finalised SMP documentation will be submitted to the Canterbury Regional Council.*

Compliance Report:

Complies

The Consent Holder has provided any administrative support necessary for the Stormwater TPRP to carry out its functions

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- 19 The Consent Holder shall install stormwater mitigation facilities and devices that achieve the contaminant load reduction standards specified in Table 2 below as derived by the

Compliance Report:

Unable to determine compliance

I cannot yet confirm compliance with this condition. The Consent Holder shall provide a report to the Canterbury Regional Council, at five yearly intervals from commencement of this resource consent on whether the contaminant load reduction standards under Condition 19 and targets developed through the SMPs are being met. The first contaminant load reduction target is set for 2023, and the first report is due Dec 2024.

On 20 July 2022, the Court of Appeal released its decision of *Aotearoa Water Action Inc v Canterbury Regional Council* [2022] NZCA 325. The AWA decision has implications for the ongoing implementation of the Canterbury Land and Water Regional Plan (LWRP) including the consenting of stormwater treatment wetlands that may intercept ground water. To date, the take of groundwater for these facilities was addressed under Rule 5.6 of the LWRP. The Court of Appeal has now said that this approach is not correct in some instances. Where an activity to take and/or use water is to be consented under the LWRP and is not managed under an activity specific rule, it must be considered under the general “take and use” rules (i.e. rules 5.123 – 5.125 in the LWRP for takes and uses of surface water; 5.128 – 5.132 in the LWRP for takes and uses of groundwater). The implications of the decision were summarised in an email from Tracey Gray to Clive Appleton of Christchurch City Council on the 1 September 2022, saved at C22C/177245. This email listed proposed stormwater facilities that would be potentially affected by changes in the consenting approach. The consenting of facilities that were incorporated into the C-CLM may be affected by this decision.

- 20 The Consent Holder shall use best practicable options to achieve the contaminant load reduction targets specified in the SMPs derived from the C-CLM or subsequent improved modelling methods and best available information.

Table 2: Reductions in stormwater contaminant load

	Contaminant load compared to no treatment as at 2018	5 years from 2018 compared to no treatment (as at 2023)	10 years from 2018 compared to no treatment (as at 2028)	25 years from 2018 compared to no treatment (as at 2043)
TSS	12 %	21 %	25 %	27 %
Total Zinc	10 %	15 %	18 %	20 %
Total Copper	16 %	23 %	28 %	30 %

Compliance Report:

Unable to determine compliance

I cannot yet confirm compliance with this condition. The Consent Holder shall provide a report to the Canterbury Regional Council, at five yearly intervals from commencement of this resource consent on whether the contaminant load reduction standards under Condition 19 and targets developed through the SMPs are being met. The first contaminant load reduction target is set for 2023, and the first report is due Dec 2024.

- 21 The Consent Holder shall provide a report to the Canterbury Regional Council, Attention: Regional Leader, Monitoring and Compliance at five yearly intervals from commencement of this resource consent on whether the contaminant load reduction standards under Condition 19 and targets developed through the SMPs are being met.

Advice Note: *The C-CLM is the primary means of assessing the City-wide standards for the relative reduction in contaminant loads for copper, zinc and TSS which would enter the receiving environment as a result of the structural measures used by the Council.*

Compliance Report:
Not operational

The first report is due in December 2024 according to this consent condition

- 22 For any development or redevelopment within a catchment which does not have a certified SMP, stormwater quality and quantity mitigation shall meet the General City conditions as specified in Schedule 6.

Compliance Report:
Complies

This condition is graded compliant as Appendix A of the Annual Report, submitted in July 2023 contained a list of developments authorised under this consent over the period of 2022. This appendix contains sufficient detail to complete a compliance assessment. It appears that, in general, stormwater quantity and quality mitigation for development and re-development is meeting the requirements of Schedule 6. The proposed mitigation for each site is checked by the CCC Stormwater Approvals Team prior to granting approval under the Stormwater and Land Drainage Bylaw 2022. The CCC's Onsite Stormwater Mitigation Guide presents acceptable solutions for minimising the effects of stormwater runoff from individual sites in Christchurch and can be used as a reference document for developers..

The matter raised in the March 2023 CMR regarding hillside outfalls has been resolved. The conditions to be included in the SMPs will provide strengthened requirements.

- 23 The Consent Holder shall use best practicable options to mitigate the effects of the discharge of stormwater on:
- Surface water quality, instream sediment quality, aquatic ecology health and mana whenua values. The extent of mitigation of effects shall be measured by the Receiving Environment Objectives and Attribute Target Levels monitoring described in Schedules 7 and 8;

- b. Groundwater and spring water quality. The extent of mitigation of effects shall be measured by the Receiving Environment Objectives and Attribute Target Levels monitoring described in Schedule 9; and
- c. Water quantity. The mitigation of effects shall be measured against achievement of the Receiving Environment Objective and Attribute Target Levels monitoring described in Schedule 10.

Advice Note: The requirements under Condition 23(c) apply in addition to the Full Flood Attenuation requirement in Condition 29(b).

Compliance Report:

Non-compliance No action required

The Annual Surface Water Quality Report for 2022 (received 2023) stated that 36 of the 51 surface water sampling sites triggered further investigations due to not meeting the ATL for TSS, copper, or zinc. 50 out of 51 sites did not meet the guideline for at least one parameter. Instream sediment quality and aquatic ecology monitoring was carried out in accordance with Chapters 6 and 7 of the EMP. Fine sediment coverage monitoring was also carried out. Tables 3 and 4 of the Annual Report 2023 provide a collation of whether all of the Receiving Environment Objectives and Attribute Target Levels for Waterways (Schedule 7) and Coastal Areas (Schedule 8), respectively, have been met for the 2022 monitoring year.

In summary:

The following ATLs in Schedule 7 were met at most sites:

- o Algae cover;
- o Copper, zinc, lead, and PAHs in instream sediment;
- o Dissolved lead and TSS in surface water.

The following ATLs in Schedule 7 were not met at many sites:

- o Fine sediment cover
- o Dissolved zinc and copper in surface water.

The following ATLs in Schedule 7 were not met at any sites:

- o Mana Whenua Values

The following ATLs in Schedule 8 were met at most sites:

- o TSS and dissolved lead, copper and zinc.

The results of the monitoring indicates that best practicable options are not currently adequately mitigating the effects of stormwater on the receiving environment. It is recognised that progress in this respect may be slow, and that mitigations and advancement in technology and changes in source control will take some time to be reflected in improvements in the environment. In terms of Schedule 10, no flood model results were available with this years' annual report. An update was included in Table 2.

development and re-development (where required) prior to issuing certification under the relevant legislation.

Compliance Report:

Complies

Appendix A of the Annual Report, submitted in July 2023 contained a list of developments authorised under this consent over the period of 2022. It appears that the Consent Holder is using all practicable measures to ensure that operational phase stormwater quality and quantity mitigation is implemented for all development and re-development prior to issuing certification under the relevant legislation.

-
- 25 The Consent Holder shall provide retrofit water quality and quantity mitigation for existing development where practicable.

Compliance Report:

Complies

Retrofit water quality and quantity mitigation has been detailed in the various Stormwater Management Plans, where appropriate. None of the facilities commissioned in this monitoring period provide retrofit

-
- 26 Until the commencement of the targeted trial required by Schedule 4(w), when the dry weather base flow water level in the Puharakekenui/Styx River is at or above Reduced Level 10.1m Christchurch Drainage Datum, as measured at the Lower Puharakekenui/Styx water level gauge, the Consent Holder shall ensure that the Puharakekenui/Styx River is the next river from which weed is harvested and that this will commence no later than 40 days following the measurement date.

Compliance Report:

Complies

This condition is graded as compliant as the consent holder commenced weed clearance from the Styx River within 40 days of a dry weather baseflow level exceedance. The dry weather base flow water level in the Puharakekenui/Styx River exceeded 10.1m in March 2023. The weed clearance dates were:

IN: 18.4.2023 FINISH:20.6.2023

START: 26.6.2023 OUT: 18.7.2023

(Double back 2 back service as requested) –a further cut around Spencerville.

IN: 24.11.2023 OUT:18.01.2023

-
- 27 Water quality and quantity mitigation facilities and devices shall be designed in general accordance with:
- The *Christchurch City Council's Waterways, Wetlands and Drainage Guide, Infrastructure Design Standard, Construction Standard Specifications, Christchurch Rain Garden Design Criteria, Christchurch Stormwater Tree Pit*

Design Criteria and Stormfilter™ Design Rainfall Intensity Criterion Report or their respective successor document(s); and

- b. Other national and international best practice design criteria adopted by the Christchurch City Council over the duration of this resource consent.

Compliance Report:

Complies

This condition is graded compliant as all facilities commissioned during this monitoring period were designed in general accordance with the standards stipulated in this condition. The consent holder has provided an updated spreadsheet (most current revision September 2023) which is used to track stormwater facilities design parameters.

According to this the four facilities commissioned since the last CMR was issued are:

- Meadowlands Basin
- Gethsemane Heights Stormfilter
- Rauhea Lane Stormfilter
- Bushland Park Basins
- Graeme Cooper Lane Filtera

-
- 28 To ensure the risk of bird strike is minimised, the following design requirements shall apply to facilities within 3 kilometres of Christchurch International Airport:
- a. Stormwater infiltration basins shall fully drain within 48 hours of the cessation of a 2% AEP stormwater event;
 - b. Sufficient rapid soakage overflow capacity shall be provided to minimise the ponding of stormwater outside of the infiltration area(s); and
 - c. Landscape design shall limit attractiveness to birds through the use of suitable non-bird attracting species.

Compliance Report:

Complies

This condition is graded compliant as one facility has been installed within 3km of the airport - a Filterra that is designed to drain fully within 48 hours. Filterra are not designed to pond for prolonged periods of time.

-
- 29 The Consent Holder shall ensure:
- a. That all stormwater quality mitigation facilities and devices servicing greenfield development after commencement of this resource consent are designed to treat the first flush; and
 - b. Within the Puharakekenui/Styx River catchment, all stormwater quantity mitigation facilities serving greenfield development discharging to surface water authorised by the Consent Holder after commencement of this consent, provide

Full Flood Attenuation. 'Authorised by the consent holder' means the written authorisation given by the Consent Holder to operate under this consent.

Compliance Report:

Complies

This condition is graded compliant as the consent holder has ensured that the stormwater facilities are designed to treat the first flush. None of the four facilities commissioned in this monitoring period are within the Styx catchment and therefore Condition 29 (b) does not apply.

The first flush details for each facility are as follows:

- Meadowlands Basin Area = Area Serviced = 20.6ha, RNN 25mm, FF Vol = 2,983m³
- Gethsemane Heights Stormfilter = Area Serviced = 1.78ha RH, FF Flowrate = 5mm/hr
- Rauhea Lane Stormfilter = Area Serviced = 1.65ha, RH FF Flowrate = 5mm/hr
- Bushland Park Basins = Area Serviced = 0.82ha RNN 25mm, FF Vol = 63.9m³, FF Basin As-Built Vol = 65m³
- Graeme Cooper Lane Filtera = Area Serviced = 8,049m², FF Flowrate = 5mm/hr

-
- 30 For all water quality mitigation facilities and devices constructed after commencement of this resource consent to service re-development, or retrofit water quality mitigation facilities for existing development, the Consent Holder shall design facilities to treat as much of the first flush as reasonably practicable.

Compliance Report:

Complies

In general, where water quality mitigation facilities and devices are constructed to service re-development, or retrofit water quality mitigation facilities for existing development, the Consent Holder has designed facilities to treat as much of the first flush as reasonably practicable. None of the facilities commissioned in this monitoring period provide retrofit for existing areas.

-
- 31 All stormwater mitigation facilities and devices constructed after commencement of this consent shall meet any other specific requirements as specified within the Implementation Plan when prepared in accordance with Condition 11.

Compliance Report:

Not operational

The four facilities commissioned since the last CMR was issued are not subject to further requirements as set out in the Implementation Plan

-
- 32 Christchurch City Council stormwater infiltration facilities constructed after the commencement of the resource consent shall be located to maintain the following separation distances from domestic and community drinking water supply wells that exist prior to the construction of the infiltration facility:

- a. Infiltration devices that only discharge roof water from a single building or that discharge stormwater generated from an impervious area less than 2,000 square metres (including roof area), shall maintain a separation distance from any domestic and community drinking water supply well equivalent to the protection areas specified in Table S1A of Schedule 1 of the LWRP, unless, in the case of private drinking water bores, the Consent Holder has made a reticulated water supply available to the property.
- b. Infiltration devices for larger discharges than those described in (a) above shall maintain a separation distance of 2,000 metres when located up-gradient of domestic and community drinking water supply wells, and a separation distance of 500 metres when located down-gradient or cross-gradient of domestic and community drinking water supply wells, unless, in the case of private drinking water bores, the Consent Holder has made a reticulated water supply available to the property.
- c. Or as an alternative to (a) and (b), a shorter separation distance may be utilised based on an assessment of site specific information undertaken by the Consent Holder and certified by the Canterbury Regional Council, Attention: Regional Leader – Monitoring and Compliance that it will have a less than minor adverse effect on domestic and community drinking water supply wells.
- d. Within 24 months of this resource consent commencing, a site-specific assessment of contamination risk and appropriate mitigation shall also be undertaken for any existing stormwater infiltration basins that do not comply with the separation distances defined in (b) above. This assessment shall be provided to the Canterbury Regional Council, Attention: Regional Leader – Monitoring and Compliance.

Compliance Report:

Non-compliance Action required

This condition is graded as follows:

Condition a and b - Complies - One infiltration facility (Graeme Cooper Lane Filterra) has been constructed in this monitoring period, which was designed to maintain the separation distances set out in this condition. The nearest upgradient water supply well is 650m, and the nearest downgradient water supply well is 2.7km.

Condition c - Not operational - A shorter distance has not been utilised.

Condition d - Non compliance action required - On the 17th of December 2021 CCC submitted an assessment titled "Infiltration Basins and Drinking Water Bores: Site-Specific Assessment of risk and Appropriate Mitigation – Summary report" prepared by AECOM Ltd. I reviewed the assessment with respect to the CSNDC requirements. A Senior Groundwater Scientist also reviewed the assessment with respect to the methodology and CSNDC requirements. feedback was provided on the 21st of February 2023 (ecan ref C22C/38368). In summary, the report provided did not entirely meet the requirements of Condition 32 (d).

A meeting was held on the 27th of March 2023 to discuss the feedback. The following actions were recorded in brief by me (but in more detail by Helen Lawrence of AECOM), and I have yet

to hear further on progress:

- Recommendation to be incorporated into proposed work programme - CCC
- Mitigation to be considered further after recommendation/further investigations undertaken
- Results of mitigation and investigation to be provided in future report
- Upgradient commentary to be added to report
- Mitigation comments to be added to recommendation.

Action required:

Condition 32 (d) - Please provide an update on progress with the Condition 32(d) report, or, the finalised report if it is available by the 31st of October 2023.

- 33 Christchurch City Council stormwater mitigation facilities constructed after the commencement of this resource consent shall have secondary flow paths to the downstream stormwater network.

Compliance Report:

Complies

This condition is graded compliant as all facilities commissioned during this monitoring period were designed with secondary flow paths to the downstream stormwater network, or, roadway. The stormfilter devices are fitted with high-flow bypasses.

- 34 Christchurch City Council stormwater mitigation facilities constructed after commencement of this resource consent shall include best practice features designed to capture and contain as much as reasonably practicable any spills of contaminants entering the stormwater facility.

Compliance Report:

Complies

This condition is graded compliant as all facilities commissioned during this monitoring period were designed to capture spills, all via the insertion of a bung at the outlet.

- 35 Design of stormwater mitigation facilities serving sub-catchments greater than 20 hectares shall include computer modelling for detailed hydraulic analysis. The outlet hydrograph for the 2% AEP critical duration design storm generated by modelling of the final design for these facilities shall then be used in the water quantity model for the corresponding river catchment to demonstrate consistency with water quantity objectives in the SMP.

Compliance Report:

Complies

No facilities have been commissioned in the last 6 months that require modelling.

The consent holder has provided documentation demonstrating that the design of Wilmers Detention Basin, Coxs-Quaifes, Highsted Northwest and Blakes Road Facilities was informed

by computer modelling for detailed hydraulic analysis.

Wilmers basin is being included in the Halswell River Model currently under construction by BECA consultants. Highfield Northwest Basins are being included in the Styx River Model to be revised starting 2023. Blakes Road Basins (Works 1) will be included in the Citywide model for Styx River to be revised starting 2023. Coss-Quaifes basin will be included in the Halswell River Model currently under construction by BECA consultants.

-
- 36 All Christchurch City Council stormwater mitigation facilities and devices constructed after commencement of this resource consent shall have an Operations and Maintenance Manual which shall be made available on request.

Compliance Report:

Complies

Operations and Maintenance manuals have been provided on request.

- 37 The Consent Holder shall investigate and implement methods to improve the management of stormwater quality and assess and reduce stormwater effects on the receiving environment (Stormwater Quality Investigation Programme).

Compliance Report:

Complies

The Consent Holder has implemented the Stormwater Quality Investigation Programme. This will be assessed in more detail under the following three conditions

- 38 The purpose of the Stormwater Quality Investigation Programme is to:
- a. Monitor the performance of selected stormwater treatment facilities and devices;
 - b. Assess the potential for the application of new technologies and management strategies; and
 - c. Investigate using various models and techniques of water quality improvement strategies and options.

Compliance Report:

Complies

The Consent Holder has implemented the Stormwater Quality Investigation Programme which meets the purpose set out under this condition.

- 39 The Consent Holder shall undertake the actions set out in Schedule 3 for the investigation required by Condition 37.

Compliance Report:**Complies**

This condition is graded compliant as the consent holder is on track with the actions set out in Schedule 3. I note that the action deadlines were extended through a consent variation. Schedule 3(a) is complete.

Summary on actions in progress as follows:

Schedule 3(b) – Develop an Instream Contaminant Concentration Model (ICCM) - ICCM is underway, with hydraulic modelling software developer, DHI and University of Canterbury collaborating to develop the model.

Schedule 3(d) – Feasibility Study of Receiving Environment Response Research Programme - NIWA have been engaged to lead the investigation project. A scope for this project was confirmed in 2022, following review from ECan and the TPRP. A workshop was held earlier in the year with NIWA, local ecologists, members of the TPRP, and ECan scientists. Council, ECan, and members of the TPRP are currently reviewing the draft report

Schedule 3(f) – Alternative Modelling Impact Investigation - This task is being implemented via other scheduled items such as Schedule 3(a), Schedule 3(d and e), and Schedule 3(g and h)

Schedule 3(g) – Feasibility Study of Instream Remediation Programme - This work is being carried out by NIWA with a workshop previously being held to obtain expert advice from local ecologists, members of the TPRP, and ECan scientists. A second workshop is being held in October.

Schedule 3(i) – Device Effectiveness Monitoring and Modelling - First report received The investigation of the Stormfilters at Richardson Terrace, Bells Creek Thas yet to commence. The CCC is still negotiating with contractors with the aim of having work start before the end of 2023.

Schedule 3(j) – Implementation of Device Effectiveness Monitoring and Modelling - ongoing

Schedule 3(k) – Targeted Wet Weather Monitoring Programme - First report finalised 14 months ago. The next stage of targeted wet weather monitoring is currently being scoped. This considers the requirements of this year's Condition 59 assessment. These monitoring plans will then be provided to ECan for comment soon, with monitoring implemented as soon as practicable afterwards

-
- 40 The Consent Holder shall undertake the actions set out in Schedule 4 for the purposes of improved stormwater management through: source control methods; communication, education and awareness; and Puharakekenui/Styx River channel weed management.

Compliance Report:**Non-compliance Action required**

This condition is graded non - compliant as the Council decided to forego the annual Industrial Liaison Group meeting for 2022, although it is a requirement of this consent.

The consent holder is on track with the remainder of the actions set out in Schedule 4. I note

that the action deadlines were extended through a consent variation.
The following actions are complete; Schedule 4(a), (b), (d), (k), (m) and (r).

Summary on actions in progress as follows:

Schedule 4(c) – Trials of Increased Street Sweeping and Sump Cleaning - The preliminary results were presented at the Stormwater Conference in 2023. Michele Stevenson had a meeting with Veronica, Florian and Salina on 26 July 2023. It was agreed they could reduce from 4 to 3 antecedent dry days and they now anticipate field sampling will be complete by the end of the calendar year, with report likely finished by March 2024 but possibly June 2024 to allow for contingency.

Schedule 4(i) – ESCP within Building Control and Resource Consent Processes The Stormwater and Land Drainage Bylaw 2022 was adopted by the Council and came into force in July 2022. The Sediment Discharge Management Plan has been revised to incorporate the Bylaw. It was resubmitted to ECan for review and has been certified. As noted under Condition 41, further work is required on this item.

Schedule 4(j) – Developing a programme for operational inspection of private stormwater treatment devices - In 2021, of the 15 representative stormwater treatment devices across the different catchments inspected, 12 of them were in good condition and were fully functional. Three of the devices were non-compliant and currently are under investigation. The CSNDC requires work under this condition to be a long-term project. Each year representative devices from the various catchments will be inspected and maintained as per the manufacturer's guidelines.

Schedule 4(n, o, p, and q) – River Care Liaison Groups and Industrial Liaisons Group. The River Care Liaison Group meeting was held on the 2 August 2022. The Council decided to forego the annual Industrial Liaison Group meeting for 2022.

Action required:

Condition 40 - Please ensure that an Industrial Liaison Group meeting is convened annually.

-
- 41 The Consent Holder shall use reasonably practicable measures to ensure that a site specific Erosion and Sediment Control Plan (ESCP):
- a. Is prepared and implemented for development sites that discharge to the Council's network;
 - b. Is prepared by a suitably qualified and experienced professional prior to commencement of stripping of vegetation or earthworks;
 - c. Is prepared in accordance with the *Erosion and Sediment Control Toolbox for Canterbury* (or successor document); and
 - d. Adopts a Best Practicable Option approach.

Compliance Report:

Non-compliance Action required

This condition has been graded as non compliant as I consider that not all reasonably practicable measures have been undertaken to ensure that a site specific Erosion and Sediment Control Plan (ESCP) is prepared and implemented for all development sites. This is demonstrated by the results of the Residential Building Site Erosion Sediment Control Compliance Survey (the Survey) which took place over 2022 and the start of 2023. This survey covered fifty sites across Christchurch City that had been issued with building consents between 29 August 2022 and 4 September 2022. The Survey was undertaken by Council Quality Assurance inspectors.

The Survey found that 100% of sites failed to meet one or more of the conditions of the site-specific erosion and sediment control plans. Despite this, the Survey found that for the same period, the houses on these sites passed their building inspections and no erosion and sediment control issues were noted by building inspectors. This Survey has found that there is inadequate attention and remedial action being undertaken by building contractors to ensure erosion and sediment control best practice.

The Survey discussed above concluded that the residential building construction industry in Christchurch is not taking erosion and sediment control issues seriously and is contributing sediment to the stormwater network and waterways on a regular basis. Many building consent approved erosion and sediment plans were found to be unfit for purpose. In practice they were found to be unsuitable due to factors such as existing structures, vegetation, slope and contours of sites.

I consider that the scale of the non compliance, and the subsequent adverse environmental effects which arise as a result of sedimentation is significant in nature.

This matter has been discussed at length in CCC-ECan meetings, community and zone committee meetings, and at Council meetings. ECan staff have put forward to CCC staff that a variation to the consent may be appropriate, so that discharges of construction phase stormwater from building sites can be addressed via enforcement action from ECan enforcement officers. To date, no progress on a consent variation has been achieved.

Whilst this appears to be an issue centered around building site compliance, some issues have been noted and raised in the past with larger development or re development sites (authorised by resource consents) and associated ESCPs.

In the Water Issues Management Meeting held on the 25th of September 2023 Brent Smith noted that he had met with the Building Consent Team and that measures had already been implemented to improve the level of compliance undertaken on building sites.

Action required:

Condition 41 - The results of the Residential Building Site Erosion Sediment Control Compliance Survey demonstrates wide scale non compliance across building sites. ECan compliance staff have also raised issues relating to compliance monitoring and enforcement of erosion and sediment controls and non compliant discharges on redevelopment and development sites. Please provide a Remediation Action Plan outlining how Christchurch City Council plans to remedy this issue, and a timeframe for the actions involved. This Remediation Action Plan should be submitted by the 31st of October 2023

- 42 Copies of ESCP's submitted to or prepared by/for the Consent Holder shall be made available to the Canterbury Regional Council on request.

Compliance Report:

Complies

ESCPs have been provided upon request

- 43 The Consent Holder shall develop Sediment Discharge Management Plan (SDMP) and present it to the Canterbury Regional Council, Attention: Regional Leader –Monitoring and Compliance within twelve months of the operative date of this resource consent, for certification that it is consistent with the purpose and required content of the SDMP.

Compliance Report:

Complies

On the 23 of September 2023 the Sediment Discharge Management Plan was re-submitted for certification following a review to incorporate ECan comments and changes as a result of the CCC Stormwater Land Drainage Bylaw.

On the 14th of October 2023 in an email titled "RE: Revised Sediment Discharge Management Plan" I stated "Good morning Clive, I have reviewed the revised Sediment Discharge Management Plan as attached, against the requirement of Conditions 44 and 45 of the Comprehensive Stormwater Network Discharge Consent (CRC214226). I consider that the Sediment Discharge Management Plan meets the requirements of the aforementioned consent. Please take this email as certification under Condition 43."

This SDMP is saved at C22C/213702.

- 44 The purpose of the SDMP is to set out reasonably practicable processes and practices to be implemented to manage the discharges of stormwater from development sites into the stormwater network to mitigate adverse effects of discharges from the stormwater network on the receiving environment's water clarity and aquatic biota. The effectiveness of the processes and practices will be measured against the fine sediment and TSS Attribute Target Levels for waterways and coastal areas within Schedules 7 and 8.

Compliance Report:

Non-compliance Action required

This condition is graded non compliant as not all processes and practices contained within the SDMP are being implemented.

On the 23 of September 2023 the Sediment Discharge Management Plan was re-submitted for certification following a review to incorporate ECan comments and changes as a result of the CCC Stormwater Land Drainage Bylaw.

On the 14th of October 2023 in an email titled "RE: Revised Sediment Discharge Management

Plan" I stated "Good morning Clive, I have reviewed the revised Sediment Discharge Management Plan as attached, against the requirement of Conditions 44 and 45 of the Comprehensive Stormwater Network Discharge Consent (CRC214226). I consider that the Sediment Discharge Management Plan meets the requirements of the aforementioned consent. Please take this email as certification under Condition 43."

This SDMP is saved at C22C/213702.

This condition also requires that the SDMP is implemented.

Section 9.2 of the SDMP states that "Condition 45(f) requires that the SDMP includes details of how records will be kept (such as site TSS concentration, trigger level exceedance, compliance monitoring and enforcement action). These will be captured in Council's system and records made available to ECan on request."

On the 5th of May 2023 I requested compliance monitoring information from Peter Megarry for Sabys Estate. He informed me that they do not produce written inspection reports for site visits. I consider that this is not in accordance with the requirements of the Sediment Discharge Management Plan. Compliance monitoring reports should be kept and made available to Ecan upon request.

Ecan staff also have concerns that Goulds Development at 430 Sparks Road is not being monitored for compliance with erosion and sediment control requirements.

In addition, I consider that the building site monitoring and ESCP implementation has not taken place in accordance with the SDMP. See my comments on the Survey results under condition 41 above.

Action required:

Condition 44 - Please provide a summary of where and how inspection records are recorded and maintained in general for development sites.

Please provide detailed inspection records including site TSS concentration, trigger level exceedance, compliance monitoring and enforcement action for Sabys Estate and Goulds Development on 430 Sparks Road.

This information should be submitted by the 31st of October 2023.

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- 45 The required content of the SDMP shall include, but not be limited to, the following means to achieve the purpose:
- a. A risk assessment to determine the TSS concentration trigger levels for the discharge of stormwater into the stormwater network from development sites. The risk assessment will include factors of slope, soil type, whether the discharge will be treated downstream by a Council treatment facility prior to reaching the receiving environment, and the sensitivity of the receiving environment.
 - b. In the event of a trigger level exceedance, a feedback process to identify and implement any changes to the erosion and sediment control practices in place on

the development site. These may include reducing the area exposed to erosion by stabilisation or improving the efficiency of sediment laden water treatment.

- c. A description of the process for how TSS concentration trigger levels will be included in authorisations by the Christchurch City Council for discharges into the network from individual sites.
- d. A process for monitoring the erosion and sediment control management and sediment discharges from development sites.
- e. Determination of a rainfall intensity which will trigger monitoring of sediment discharges from development sites into the Council's network.
- f. Details of how records will be kept (such as site TSS concentration trigger level exceedance, compliance monitoring and enforcement action), with records made available to the Canterbury Regional Council on request.

Compliance Report:

Complies

The SDMP contains all requirements set out under this consent condition

- 46 The Consent Holder may review and amend the SDMP so as to better achieve the purpose of the SDMP and in response to any updates to the relevant Attribute Target Levels. Any amendments to the SDMP shall not replace the previous version until the plan has been certified by the RMA Compliance and Enforcement Manager of the Canterbury Regional Council as being consistent with the purpose and required content of the SDMP.

Compliance Report:

Not operational

The Consent Holder have not reviewed or amended the SDMP to date.

- 47 The Consent Holder shall, in collaboration with the Canterbury Regional Council:
- a. Maintain a desktop-based identification of industrial sites that ranks sites for risk relative to stormwater discharge and identifies the industrial sites that pose the highest risk;
 - b. Audit at least 15 sites per year, of which at least 10 are sites agreed with the Canterbury Regional Council;
 - c. Vary the annual number of site audits in Condition 47(b) if agreed by the Canterbury Regional Council under Schedule 4(l);
 - d. Inform the site owner and operator and notify the Canterbury Regional Council, Attention: Regional Leader– Monitoring and Compliance if the audit process and monitoring of a site determines that the site presents an unacceptably high risk to the receiving environment.

Compliance Report:**Complies**

This condition has been graded as compliant as the consent holder has maintained a desktop-based identification of industrial sites and undertaken audits in accordance with this condition.

In 2022, 15 industrial sites were audited with at least 10 of those sites agreed with ECan. Details of the audited sites can be found in Table 7 of the 2023 Annual Report. I have listed these below:

- Alpha Equipment Rental & Sales 33-35 Edmonton Road, Hornby, Christchurch 8042
- Container Transport & Storage 121 Branston Street, Hornby, Christchurch 8042
- Aabaas Industries 20 Kotzikas Place, Wigram, Christchurch 8042
- Reimagineers 3R Group Ltd 8 Calgary Place, Hornby, Christchurch S
- Higgins Contractors 63 Pilkington Way, Wigram, Christchurch 8042
- Intergroup 11 Tanya Street, Bromley Christchurch 8062
- Dominion Trading Co Ltd 333 Blenheim Rd, Middleton
- Hynds Pipe Systems Ltd 22 Canada Crescent, Hornby, Christchurch 8042
- Truck Stops REAUDIT 38 Waterloo Road, Hornby, Christchurch 8042
- Owens Warehousing 16 Baigent Way Middleton Christchurch
- Owens Transport 22 Baigent Way Middleton Christchurch T
- Local Car Removal 43 Vickerys Rd,
- 3Way Solutions 58 Pilkington Way, Wigram
- Thermosash Commercial 12 Braeburn Drive
- Hexion (NZ) Ltd 135 Waterloo Rd Hornby, Christchurch 8441

The CCC has informed the site owner and operator and has notified the Canterbury Regional Council if a site presents an unacceptably high risk to the receiving environment.

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- 48 If the Consent Holder considers, following further engagement with the site operator and the Canterbury Regional Council, that the site is not appropriately mitigating that unacceptably high risk, the Consent Holder may, upon agreement with Canterbury Regional Council, add the site to Schedule 1.

Compliance Report:**Complies**

The consent holder has, in agreement with the Canterbury Regional Council, excluded five sites in the period covered by this monitoring report.

These sites are:

- Dominion Trading Co Ltd 333 Blenheim Rd
- Hynds Pipe Systems Ltd 22 Canada Crescent
- Higgins Contractors 63 Pilkington Way
- Intergroup 11 Tanya Street
- Local Car Removal 43 Vickerys Rd

These were added to Schedule 1, and an updated copy of Schedule 1 was supplied as Appendix O with the 2023 Annual Report

- 49 The Consent Holder shall implement the EMP attached to this consent, with the purpose of monitoring whether the Receiving Environment Objectives and Attribute Target Levels are being met.

Compliance Report:

Complies

The consent holder has implemented the EMP, and has submitted annual reports detailing this monitoring

- 50 The Consent Holder may review and amend the EMP for the purposes of improved monitoring and/ or to better determine whether the Receiving Environment Objectives and Attribute Target Levels are being met.

Compliance Report:

Complies

I understood that version 10 of the EMP would be submitted with the 2023 Annual Report, however, to date it has not been submitted. It needs to be revised with respect to the groundwater monitoring requirements, the Mana Whenua ATLs, and some minor changes to the coastal monitoring guidelines to be used at the Cass Bay site.

Version 9 was approved by ECan in September 2022 and incorporated changes in turbidity guidelines and monitoring of waterway sites influenced by saline intrusion (sites near the coast).

The current EMP is saved at C23C/6557.

- 51 Any amendments to the EMP shall not replace the previous version until the EMP has been certified by the Canterbury Regional Council, Attention: Regional Leader – Monitoring and Compliance as complying with the requirements of Condition 49.

Compliance Report:

Complies

Version 9 was approved by ECan in September 2022

- 52 a. The Attribute Target Levels in Schedule 7 for hardness modified copper, lead and zinc concentrations in Banks Peninsula surface water shall be calculated for each monitored waterway following the collection of one year of monitoring data.

- b. Hardness modified values for copper, lead and zinc for all surface water monitoring sites (including Banks Peninsula sites) within the EMP shall be reviewed every five years, with the first review being undertaken within 2 years of the commencement of this resource consent.
- c. Hardness modified values shall be calculated using the *ANZECC (2000)* methodology outlined in the EMP. Should a new method of modifying metal concentrations become appropriate, this new methodology and any subsequent change in Attribute Target Levels shall be applied. Updated values shall be incorporated into the certified EMP as an amendment, in accordance with Condition 50.

Compliance Report:

Complies

In accordance with Condition 52(a), hardness modified guideline values were calculated for lead and zinc for Banks Peninsula waterways. These values were used in the surface water quality report (Appendix E of the Annual Report), with the methodology detailed in Appendix D of the surface water quality report.

Section 5 of Version 9 of the EMP was updated to reflect these changes in guideline values and therefore ATLS

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- 53 The Attribute Target Levels in Schedules 7 to 8 are taken from relevant regional and national guideline levels. Should these guideline levels be updated, upper limit concentrations in the Attribute Target Levels shall be updated to reflect this. Updated values shall be incorporated into the certified EMP as an amendment, in accordance with Condition 50.

Compliance Report:

Not operational

The upper limit concentrations in the Attribute Target Levels do not need to be updated as the relevant guidelines have not changed.

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- 54 The Attribute Target Levels in Schedules 7 and 8 for the Waterway Cultural Health Index, Marine Cultural Health Index and State of Takiwa scores shall be developed in collaboration with Papatipu Runanga by 30 March 2023. The associated mana whenua values monitoring sites and methodology in the EMP shall be developed for each catchment, in collaboration with Papatipu Runanga, prior to the first monitoring round, in accordance with the schedule in Appendix D of the EMP. Updated Attribute Target Levels, sites and methodology shall be incorporated into the certified EMP as an amendment, in accordance with Condition 50.

Compliance Report:

Non-compliance Action required

The Attribute Target Levels in Schedules 7 and 8 for the Waterway Cultural Health Index, Marine Cultural Health Index and State of Takiwa scores were supposed to be developed by 30 March 2023 (this date and consent wording was subject to a variation).

A memo was provided on the 19th of December 2022 confirming MKT consultation with Papatipu Rūnanga regarding Mana Whenua values for waterways and coastal sites. The consent holder therefore is compliant with the first requirement of this consent condition.

The consent holder has said that these will be included in the next EMP revision with the Annual Report (June 2023).

The associated mana whenua values monitoring sites and methodology in the EMP, should have been developed in collaboration with Papatipu Runanga prior to the first monitoring round and incorporated into the certified EMP as an amendment. Version 10 of the EMP is yet to be submitted for certification.

The first monitoring round dates from Appendix D are copied below:

Ōtākaro/ Avon River 2019

Opāwaho/ Heathcote River 2020

Linwood Canal 2020

Banks Peninsula 2020

Review of hardness-modified metal values 2020

Huritini/ Halswell River 2021

Ōtūkaikino RiverCoastal Waters 2022

Pūharakekenui/ Styx River 2023

This was not achieved (except for the Ōtūkaikino) and so this is considered a non-compliance with Condition 54.

Condition 54 - Please ensure that the mana whenua values monitoring sites and methodology (developed in collaboration with Papatipu Runanga) are incorporated into the next revision of the EMP as required by Condition 54.

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- 55 The water quantity/flood model(s) for the Puharakekenui / Styx, Otakaro / Avon, Ōpāwaho / Heathcote and Huritini / Halswell Rivers shall be updated as necessary to reflect changes in development patterns or modelling parameters at least every 5 years following the commencement of this resource consent. The results of model updates and a description of how they demonstrate compliance with Schedule 10 shall be included in the annual report required under Condition 61 on a 5-yearly basis following commencement of this resource consent.

Compliance Report:

Not operational

Modelling demonstrating compliance with Schedule 10 will need to be incorporated in the 2023 Annual Report (submitted June 2024). A summary of model updates and model builds was provided in the 2023 Annual report. This summary noted that detailed reports will be provided to ECan upon completion of these models. Currently there are no new results to present

- 56 Where the modelling results reported in accordance with Condition 21 show that the percentage contaminant reductions required by the standards in Table 2 in Condition 19, and/or by the targets derived under each catchment-specific SMP are not met, the Consent Holder shall undertake the following:
- a. Investigate the reasons for not achieving the modelled contaminant load reductions and describe what measures will be implemented (if necessary) to improve stormwater discharge quality;
 - b. Assess whether best practicable options to mitigate the adverse effects of stormwater have been carried out;
 - c. If the assessment in (b) determines that best practicable options have not been carried out, assess options for correction / remediation to mitigate any adverse effects, and provide a timeline for the implementation of correction / remediation options (if necessary); and
 - d. Submit a report to Canterbury Regional Council, Attention: Regional Leader – Monitoring and Compliance and Papatipu Runanga (via Mahaanui Kurataiao Ltd), detailing the matters set out in (a) to (c) above.

Compliance Report:
Not operational

I cannot yet confirm compliance with this condition. The Consent Holder shall provide a report to the Canterbury Regional Council, at five yearly intervals from commencement of this resource consent on whether the contaminant load reduction standards under Condition 19 and targets developed through the SMPs are being met. The first contaminant load reduction target is set for 2023, and the first report is due Dec 2024.

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- 57 Where the flood modelling results show that the attribute target levels in Schedule 10, and/or water level reductions or tolerances for increases for the critical 2% and 10% AEP events set in SMPs, are not met, the Consent Holder shall:
- a. Investigate the reasons for not achieving the attribute target levels within Schedule 10 and/or the water level reductions or tolerances for the critical 2% and 10% AEP events set in SMPs, and describe what measures will be implemented (if necessary) to meet the attribute target levels within Schedule 10 and/or the water level reductions or tolerances in the SMPs. The investigation will include, but not be limited to, whether the state of waterways, including changes to channels, obstructions and sedimentation, is causing or contributing to the non-achievement;
 - b. Assess whether best practicable options to avoid or mitigate the adverse effects of flooding have been carried out;
 - c. If the assessment in (b) determines that best practicable options have not been carried out, assess options for correction / remediation to mitigate any adverse effects, and provide a timeline for the implementation of correction / remediation options (if necessary). The options to be assessed will include waterway maintenance and remediation; and

- d. Submit a report to Canterbury Regional Council, Attention: Regional Leader – Monitoring and Compliance, and Papatipu Runanga (via Mahaanui Kurataiao Ltd), detailing the matters set out in (a) to (c) above.

Compliance Report:
Not operational

I cannot yet determine whether the attribute target levels in Schedule 10, and/or water level reductions or tolerances for increases for the critical 2% and 10% AEP events set in SMPs have been exceeded as modelling results are not yet available.

Modelling demonstrating compliance with Schedule 10 will need to be incorporated in the 2023 Annual Report (submitted June 2024). A summary of model updates and model builds was provided in the 2023 Annual report. This summary noted that detailed reports will be provided to ECan upon completion of these models. Currently there are no new results to present.

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- 58 If, upon submittal of the report, where required by Condition 56 or 57, agreement between Christchurch City Council and Canterbury Regional Council cannot be reached regarding any aspects, the Consent Holder shall consult with the WIM group, or successor group, in accordance with the Joint Christchurch City Council and Canterbury Regional Council Stormwater Management Protocol or subsequent revisions to the Protocol, and in accordance with any agreements entered into between the Consent Holder and Papatipu Runanga; and implement any actions or changes identified as necessary by the WIM group, or successor group, through the consultation.

Advice Note: Discussions should be undertaken with the Canterbury Regional Council prior to and following investigations, to try to establish agreed approaches prior to submitting the report.

Compliance Report:
Not operational

The reports required by Condition 56 and 57 are not yet due.

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- 59 If the monitoring results identify that the TSS, copper, lead and zinc Attribute Target Levels in surface water, as set out in Schedules 7 and 8, and Escherichia coli, copper, lead and zinc in groundwater, as set out in Schedule 9, are not being met, the Consent Holder shall:
- a. Engage with the Canterbury Regional Council about conducting an investigation into whether this is due to the effects of stormwater discharges authorised under this resource consent, with site investigations prioritised for areas with high levels of contaminants, or with sensitive or high value receiving environments;
 - b. Carry out an investigation if required under Condition 59(a) and compile the results of such an investigation into a report to be submitted to the Canterbury Regional Council and Papatipu Runanga (via Mahaanui Kurataiao Ltd);
 - c. Include in the report, at a minimum:

- i. An evaluation of whether the monitoring results are due to stormwater discharges authorised under this resource consent or not;
 - ii. An assessment of options for correction/remediation if effects are likely due to stormwater discharges authorised under this resource consent;
 - iii. A timeline of implementation of corrective action/remediation if effects are a result of discharges authorised under this resource consent;
- d. If, upon submittal of the above report, agreement between Christchurch City Council and Canterbury Regional Council cannot be reached regarding any aspects of the report referenced in (c) above, the Consent Holder shall consult with the WIM group, or successor group, in accordance with the Joint Christchurch City Council and Canterbury Regional Council Stormwater Management Protocol or subsequent revisions to the Protocol, and in accordance with any agreements entered into between the Consent Holder and Papatipu Runanga and implement any actions or changes identified as necessary by the WIM group, or successor group, through the consultation;
 - e. The sites triggering an investigation for a given monitoring year shall be identified in the annual report referred to in Condition 61, and the subsequent investigation report shall be provided with the following annual monitoring report twelve months later; and
 - f. Implement any actions or changes identified as necessary by the WIM group, or successor group, through the consultation under (d) above.

Advice Note: Discussions should be undertaken with the Canterbury Regional Council prior to and following investigations, to try to establish agreed approaches prior to submitting the report.

Compliance Report:

Complies

This condition is graded as compliant as CCC has undertaken investigations and proposed remedial actions as required.

Condition 59 requires the Council to report on any results which identify that TSS, copper, lead, and zinc Attribute Target Levels in surface water, as set out in Schedules 7 and 8, and Escherichia coli, copper, lead, and zinc in groundwater, as set out in Schedule 9, are not being met. Where these levels are exceeded, the Council is required to engage with ECan and conduct investigations into these exceedances during the year following monitoring. The results of these investigations are to be reported in the following year's CSNDC annual report.

The 2020 and 2021 surface water monitoring report identified that 32 (2020) and 31 (2021) of the 51 monitoring sites did not meet at least one of these ATLs. As this is a large number of sites, four sites were recommended as priorities for investigation, due to each site not just exceeding guideline levels for the given parameter, but also because of an increasing trend in concentrations. These four sites were Ōpāwaho-Heathcote River at Ferry Road Bridge, Curlett Stream at Motorway, Addington Brook, and Nottingham Stream at Candys Road.

In response to this, a Condition 59 Responses to Monitoring Report 2022 & 2023 was written in 2022 (Appendix I of the 2023 annual report). This report provided an evaluation of whether

these exceedances of ATLs are due to stormwater discharges authorised under this resource consent, as well as proposed remediation with associated timelines

Prior to developing these monitoring plans, it was identified that an assessment of high-risk sites was required to inform the best location for monitoring sites. This high-risk sites assessment is provided in Appendix K of the 2023 Annual Report, and submitted to ECan in March 2023 .

Council is now working towards developing the wet weather and dry monitoring plans for these sites, with completion expected soon. These monitoring plans will then be provided to ECan for comment, with monitoring implemented as soon as practicable afterwards.

To treat stormwater contaminants before discharge to the waterways, it is proposed to construct Council stormwater treatment facilities within Addington Brook and Nottingham Stream. All these remediation options will be supplemented by existing work programmes under the CSNDC, such as Industrial Site Audits and other source control programmes, as well as Environment Canterbury programmes. Council considers work under this condition to be a long-term project.

Each annual report will consider whether sites are regularly being prioritised for investigation, and the project as a whole will be iterative and adaptive, building on lessons learned in previous years. This year's surface water quality monitoring report identified thirty-six sites triggering further investigations under Condition 59, due to not meeting the ATLs for TSS, copper, or zinc (Appendix E). These sites were prioritised to three: Curletts at Motorway in the Ōpāwaho-Heathcote River catchment, Addington Brook in the Ōtākaro-Avon River catchment, and Nottingham at Candys Rd in the Huritini-Halswell River catchment. These are the same sites prioritised for investigation for the last two years and therefore Condition 59 investigations are already under way.

Ecan staff consider that the Ōpāwaho-Heathcote River at Ferry Road Bridge site should not be dropped from the investigation as it is already underway, and still experiences poor water quality.

I note that the number of sites triggering further investigations under Condition 59 has increased from 32 (2020) and 31 (2021) to 36 based on 2022 monitoring data. However the number of sites selected for investigation has decreased from four to three. I suggest that review of sites in future years considers new sites that are triggered and potential reasons for that. I also note that better engagement is required with ECan when selecting sites for investigation.

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- 60 The Consent Holder shall maintain relevant records including, but not limited to, detailed design drawings and reports, details of site-specific assessments undertaken, maps and any engineering design and construction certificates issued for any water quality or quantity mitigation facilities constructed. These records are to be made available to Canterbury Regional Council on request.

Compliance Report:

Complies

These documents have been made available to ECan upon request.

- 61 The Consent Holder shall provide an annual report to the Canterbury Regional Council, Attention: Regional Leader – Monitoring and Compliance, Banks Peninsula and Christchurch-West Melton Zone Committees, and Papatipu Runanga (via Mahaanui Kurataiao Ltd) by 30 June each year following the calendar year reported on. The first annual report shall cover the calendar year following the commencement of this resource consent. This report shall also be made available on the Christchurch City Council website and shall include, where appropriate:
- a. A summary of the outcomes of monitoring, investigations and other actions, in accordance with Conditions 23, 39, 40, 49, 54, and the 5-yearly report required under Condition 55. This summary shall be presented in such a way as to assess compliance with the resource consent conditions and trigger the responses required;
 - b. A summary of the C-CLM results and contaminant load reduction targets set within SMPs, including any amendments to the model and consequential changes to expected contaminant load reductions;
 - c. A summary of any discussions, consultation or responses carried out under Conditions 56 - 59;
 - d. A summary of Canterbury Regional Council records of consent compliance and where any non-compliances of this resource consent occurred;
 - e. A summary of flood modelling results (if applicable) for development in greenfield areas;
 - f. Any updates to Schedule 1;
 - g. An update on the timetable for construction and activation of Christchurch City Council stormwater mitigation systems for each SMP area, and/or any changes to the implementation of SMP requirements;
 - h. Records of developments authorised under this consent;
 - i. Report on any collaboration with Papatipu Runanga and any activities relating to the protection or enhancement of mana whenua values;
 - j. A summary of the stormwater quality investigations undertaken during the year;
 - k. A summary of any additional monitoring or investigations undertaken beyond those specified in the EMP, including those undertaken on industrial sites in accordance with Condition 47, that have been initiated to inform the Consent Holder on stormwater management effectiveness;
 - l. Reporting of the alignment of the consent with the Christchurch-West Melton sub-regional section of the Canterbury LWRP;
 - m. Any changes to the regulatory framework that may warrant changes to the SMPs; and
 - n. Any complaints or observations received by the Consent Holder regarding spring flow and/or quality.

Compliance Report:

Non-compliance No action required

This condition has been graded as non-compliant as the 2023 Annual Report (covering data from the 2022 calendar year) was submitted late.

The Annual Report was reviewed by Ecan coastal scientists, surface water scientists, contaminated land scientists, and by compliance.

Following feedback from ECan on Sections 7.2 and 7.4, the Annual Report was revised and a final version submitted on the 2nd of October 2023 (ECan ref C23C/210215). It was agreed that Section 7.4 would only contain the C-CLM targets from certified SMPs. The Ihutai targets were subsequently added, and the Ōtukaikino targets removed.

Annual Report is comprehensive and well written, and contains all the matters set out under this condition.

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- 62 The Consent Holder shall engage with Papatipu Runanga to collaboratively consider the conditions of this consent on a 5-yearly basis from the date of granting of this resource consent.

Compliance Report:

Not operational

The Consent Holder shall engage with Papatipu Runanga to collaboratively consider the conditions of this consent in Dec 2024.

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- 63 The Canterbury Regional Council may, on any of the last five days of March or September each year, serve notice of its intention to review the conditions of this resource consent for the purposes of:
- a. Dealing with any adverse effect on the environment which may arise from the exercise of this resource consent;
 - b. Complying with the requirements of a relevant rule in an operative regional plan;
 - c. Achieving consistency of this resource consent in regard to catchment management planning and stormwater management with the provisions of the Christchurch--West Melton Sub-regional Section of the Canterbury LWRP within five years of the notification of the sub-regional section;
 - d. Providing alternative Receiving Environment Attribute Target Levels for water quantity;

- e. Ensuring that improvements of the quality of the stormwater discharge occur over the duration of this resource consent to reduce any adverse effect on the environment;
- f. To provide alternative standards for the expected city-wide percentage contaminant load reductions in Condition 19, or targets for the contaminant load reductions set within SMPs that become apparent through the C-CLM or alternative methods developed by the Consent Holder.

Compliance Report:

Not operational

The Canterbury Regional Council does not intend to review the conditions of this consent at this point in time.

- 64 Prior to the exercise of this resource consent, the following resource consents shall be surrendered:
- a. CRC120223
 - b. CRC131249.

Compliance Report:

Complies

Prior to the exercise of this resource consent, the following resource consents were surrendered: CRC120223 CRC131249.

- 65 If this resource consent is not given effect to before 30 June 2024, then it shall lapse in accordance with Section 125 of the Resource Management Act 1991.
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General comments

This Compliance Monitoring Report is a desktop assessment of Christchurch City Councils' compliance with Resource Consent CRC231955 (formally CRC214226 subject to variation December 2022). The monitoring period covers March 2023 through October 2023. All consent conditions and Schedules have been reviewed. The non-compliance action required compliance status has been assigned based on a range of conditions. Please view the attached compliance assessment and provide further information where required.

Date Inspected: 5 October 2023

Monitored By: Jess Newlands



Signature: _____

Resource Management Technical Lead

General information

Canterbury Regional Council Obligations

Under Section 35 of the Resource Management Act 1991, the Canterbury Regional Council has a duty to monitor all resource consent exercised within its region, to make sure all the conditions are being complied with.

Monitoring Frequency

The frequency with which your consent is monitored will vary according to the type of activity your consent authorises, the conditions imposed and the extent to which you have complied with these conditions on previous visits. **If you fully comply with all conditions then frequency will reduce to the minimum set for the activity.**

Costs

It is the Council's policy to recover all actual and reasonable costs of compliance monitoring of resource consents. An invoice for the cost associated with monitoring your consent will be sent in due course.

Do you require a Purchase Order on invoices?

Environment Canterbury require a standing, 12 month Purchase Order for monitoring of consents. Once a Purchase Order has been raised through your internal channels, this can be simply added to your consent/s.

Please email our Finance team at ar@ecan.govt.nz with your details using your Consent (CRC) number as a reference.