

18 March 2025

Queenstown Lakes District Council  
10 Gorge Road  
Queenstown

Attn : Simon Mason

Dear Simon,

**Abatement Notice - EN.RMA.25.0015**

Please find enclosed an abatement notice (issued under the authority of section 322(1)(a)(i) of the Resource Management Act 1991) in relation to the Hawea WWTP (RM22.178.02).

If you do not comply with this notice, you may be prosecuted under section 338 of the Resource Management Act 1991 (unless you appeal, and the notice is stayed as explained below).

You have the right to appeal to the Environment Court against the whole or any part of this notice. If you wish to appeal, you must lodge a notice of appeal in form 49 with the Environment Court within 15 working days of being served with this notice.

An appeal does not automatically stay the notice and so you must continue to comply with it unless you also apply for a stay from an Environment Judge under section 325(3A) of the Resource Management Act 1991 (see form 50). To obtain a stay, you must lodge both an appeal and a stay with the Environment Court. You also have the right to apply in writing to the Otago Regional Council to change or cancel this notice in accordance with section 325A of the Resource Management Act 1991.



Yours sincerely  
Casey Pilkington

**Senior Environmental Officer**  
Encl

**Abatement Notice –**  
Section 324  
Resource Management Act 1991



**Notice No: EN.RMA.25.0015**

**TO:** Queenstown Lakes District Council  
10 Gorge Road  
Queenstown

**1. The Otago Regional Council (Council) gives notice that you must take the following actions:**

Queenstown Lakes District Council must cease the discharge of treated wastewater to land where it may enter water for the purpose of operating the Hawea Waste water Treatment Plant – approximately 600 metres south of the intersection of Domain Road and Cemetery Road – without complying with the following conditions of Resource Consent RM22.178.02 (copy attached as Attachment A):

**Condition 2(e)** – which requires that the mass of Total Nitrogen of wastewater discharged to the Land Treatment Area (“LTA”) area and soakage trench shown in Appendix 1 shall be calculated monthly and must not exceed 4,726 kilograms in any continuous 12-month period.

**Condition 8(a)** – which requires that the quality of treated wastewater immediately before it is discharged to the LTA and soakage trench must not exceed the standards specified below:

Parameter	Units	12 month rolling mean
Total nitrogen (TN)	Milligrams per litre	35
Total ammoniacal nitrogen (NH <sub>3</sub> )	Milligrams per litre	20
Total phosphorus (TP)	Milligrams per litre	10
		<b>12 month geometric mean</b>
<i>Escherichia coli (E.coli)</i>	CFU / 100 millilitres	

**Condition 9** – which requires that in the event of a non-compliance with one or more of the limits set out in Condition 8 and those results are confirmed exceedances (i.e. it is not due to faulty testing or other parameters affecting the results), the Consent Holder must report to the Consent Authority as follows:

- a) The Consent Authority must be notified of any test result confirming non-compliance with the rolling mean or geometric mean; and
- b) This notification must include advice of any corrective actions taken by the Consent Holder.
- c) An incident report must be provided to the Consent Authority within 20 working days of the non-compliance. This report must include:
  - i. identification of the likely cause of the non-compliance;
  - ii. the effects on the receiving environment likely to arise because of the non-compliance;
  - iii. the management responses undertaken, or which may be necessary to prevent any further non-compliance occurring;
  - iv. remedial action undertaken or which may be necessary and confirmation of implementation if the action required does not require resource consent.

**2. The location to which this abatement notice applies is:**

*Hāwea, approximately 600 metres south of the intersection of Domain Road and Cemetery Road.*

**3. You must comply with this abatement notice within the following period:**

*You must comply with this abatement notice by:*

- *Condition 9 – Immediately*
- *Condition 2(e) and 8(a) by 30 March 2026*

*and continue to comply with this notice thereafter.*

**4. This notice imposes the following further conditions:**

Nil

**5. This notice is issued under:**

Section 322(1)(a) of the Resource Management Act 1991 (RMA).

**6. The reasons for this notice are:**

1. You hold resource consent RM.22.178.02 to discharge treated wastewater to where it may enter water for the purpose of operating the Hawea Waste water Treatment Plant. ("the Resource Consent").

2. The following facts and information demonstrate a failure by you to comply with conditions 2(e), 8(a) & 9 of the Resource Consent.
3. Condition 2(e) of the Resource Consent provides that the mass of Total Nitrogen of wastewater discharged to the LTA area and soakage trench shown in Appendix 1 shall be calculated monthly and must not exceed 4,726 kilograms in any continuous 12-month period.
4. Based on data provided by you, Total Nitrogen Mass loading to the LTA (kg/year) has exceeded the resource consent limits of 4,762kg in any continuous 12-month period since August 2024.
5. As of December 2024, 5,345kg of Total Nitrogen was discharged to the LTA over the previous 12-month period. (See attached graph 1 Appendix B.)
6. These exceedances contravene condition 2(e) of the Resource Consent.
7. Condition 8(a) of the Resource Consent provides that the quality of treated wastewater immediately before it is discharged to the LTA and soakage trench must not exceed the standards shown in Part 1 of this notice.
8. Based on the data provided by you, Total Nitrogen has exceeded the 35mg/L 12 month rolling mean consented limit since June 2024 (See table 1 and graph 2 in Appendix B.)
9. These exceedances contravene condition 8(a).
10. Condition 9 of the Resource Consent provides the parameters that in the event of a non-compliance with one or more of the limits set out in Condition 8 and those results are confirmed exceedances (i.e. it is not due to faulty testing or other parameters affecting the results), the Consent Holder must report to the Consent Authority.
11. The Consent Authority has not, in relation to the nine exceedances of condition 8(e) identified in table 2 – Appendix B):
  - a. Been provided with an incident report within 20 working days of the non-compliance.
12. The failure to provide this information contravenes condition 9 of the Resource Consent.
13. Because of your failure to comply with the Resource Consent conditions 2(e), 8(a) & 9, you have been contravening section 15 of the Resource Management Act 1991 by discharging

contaminants, namely treated wastewater to land for the purpose of disposing wastewater from the Hawea Wastewater Treatment Plant, in a manner not expressly allowed by a national environmental standard or other regulations, a rule in a regional plan as well as a rule in a proposed regional plan or a resource consent.

### IMPORTANT NOTES – PLEASE READ

If you do not comply with this notice, you may be prosecuted under section 338 of the Resource Management Act 1991 (unless you appeal and the notice is stayed as explained below).

You have the right to appeal to the Environment Court against the whole or any part of this notice. If you wish to appeal, you must lodge a notice of appeal in form 49 with the Environment Court within 15 working days of being served with this notice.

An appeal does not automatically stay the notice and so you must continue to comply with it unless you also apply for a stay from an Environment Judge under section 325(3A) of the Resource Management Act 1991 (see form 50). To obtain a stay, you must lodge both an appeal and a stay with the Environment Court.

You also have the right to apply in writing to Otago Regional Council to change or cancel this notice in accordance with section 325A of the Resource Management Act 1991.

Otago Regional Council authorised the enforcement officer who issued this notice. Its address is:

**Otago Regional Council, 70 Stafford Street, Private Bag 1954, Dunedin 9054**  
Telephone: 03 474 0827 or 0800 474 082 email: [pollution@orc.govt.nz](mailto:pollution@orc.govt.nz)

The enforcement officer is acting under the following authorisation:

A warrant issued on 05 December 2022 by the Otago Regional Council pursuant to section 38 of the Resource Management Act 1991.



\_\_\_\_\_  
Signature of Enforcement officer (Warrant #2022/78)

\_\_\_\_\_  
Date : 18 March 2025

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## APPENDIX A

Our Reference: A1808883

Consent No. RM22.178.02

### DISCHARGE PERMIT

Pursuant to Section 104B of the Resource Management Act 1991, the Otago Regional Council grants consent to:

Name: Queenstown Lakes District Council

Address: 10 Gorge Road, Queenstown

The discharge of treated wastewater to land where it may enter water  
for the purpose of operating the Hawea Waste Water Treatment Plant  
For a term expiring: 7 July 2033

Location of consent activity: Hāwea, approximately 600 metres south of the  
intersection of Domain Road and Cemetery Road.

Legal description of consent location: Lot 1 Deposited Plan 24534 and Lot 1 Deposited  
Plan 20555

Map Reference NZTM (2000): 1302846 E 5052016 N

### Conditions

## Specific

1. The discharge of treated wastewater from Hawea township to land must be carried out in accordance with the plans and all information submitted with the application, detailed below, and all referenced by the Consent Authority as consent number RM22.178.02:
  - a) Resource consent application and Assessment of Environmental Effects, Tonkin & Taylor, signed on behalf of the applicant, 27 July 2022
  - b) Air Quality Report, Tonkin & Taylor, July 2022
  - c) Assessment of soil and water effects, Lowe Environmental Impact, July 2022
  - d) Hawea Side-stream Nitrification System – Preliminary design report, Apex Water, December 2021
  - e) Hawea River Aquatic Ecology Report, 4Sight Consulting, July 2022
  - f) Further information response, Lowe Environmental Impact, 26 August 2022If there are any inconsistencies between the above information and the conditions of this consent, the conditions of this consent will prevail.

2. This resource consent authorises the discharge of treated domestic and commercial wastewater from the Hawea wastewater treatment plant onto the Land Treatment Area (LTA) and soakage trench shown in Appendix 1 attached to this consent and as shown in the application for consent dated 27 July 2022. The discharge must be managed so that:
  - a) The maximum volume of wastewater discharged to the LTA and soakage trench must not exceed 1,000 cubic metres per day.
  - b) The maximum volume of wastewater discharged to the LTA must not exceed 932 cubic metres over a rolling four [4] day period.
  - c) The volume of wastewater discharged to the LTA must not exceed 233 cubic metres per day as an annual average.
  - d) The rate of wastewater application to any part of the LTA must not exceed 40 millimetres per day.
  - e) The mass of Total Nitrogen of wastewater discharged to the LTA area and soakage trench shown in Appendix 1 shall be calculated monthly and must not exceed 4,726 kilograms in any continuous 12 month period.

*Advice note: The calculation of the mass of Total Nitrogen discharged in accordance with Condition 2(e) shall be determined monthly using on the daily flow data collected under Condition 5 for the relevant month multiplied by that month's Total Nitrogen concentration collected under Condition 6 of this consent and summed for the preceding 12 months.*

3. The key components of the wastewater treatment and land disposal system must be consistent with those described in the application; as shown on the attached plant schematic drawing in Appendix 2 and must comprise at least the following minimum, or additional, components, dimensions and standards:
  - a) Wastewater treatment system:
    - i. A 0.94 hectare facultative pond including baffle curtains and three surface aerators;
    - ii. A moving bed biofilm reactor (MBBR);
    - iii. A pump to pump effluent from the facultative pond to the MBBR;
    - iv. A screen compactor to remove trash and inorganic solids from the pond prior to treatment in the MBBR;
    - v. A wastewater discharge meter.
  - b) Wastewater land treatment system:
    - i. A land treatment area (LTA) and soakage trench as located in Appendix 1;
    - ii. The LTA must be at least 2.33 hectares in area;
    - iii. Sprinklers on 1-metre-high risers to irrigate the LTA;

- iv. Sprinklers closest to the outer edge of the LTA must only spray 180 degrees away from the boundary and must maintain a minimum buffer of 5 metres between the outer sprinkler's application area and the boundary;
  - v. The sprinklers will be fed by medium pressure lateral pipes located at 20 metre centres.
  - vi. The nozzle pressure on sprinklers must not exceed 400 kilopascals (kPa);
  - vii. Sprinkler operation must be linked to and controlled by a weather station to record, at a minimum, rainfall and wind conditions at the land treatment area;
  - viii. A blower to purge treated effluent from the irrigation line;
  - ix. The LTA must be fenced with a 2 metre high deer fence with appropriate signage warning the general public of the hazard;
  - x. A cut and carry cropping regime designed and managed in a way that maximises plant uptake and removal of nutrients from the LTA.
  - xi. A soakage trench of at least 150 metres in length and 2 metres in width;
  - xii. Discharge to the soakage trench must occur by way of a low-pressure effluent dosing (LPED) system to a perforated PVC pipe with 7 millimetre holes at 1 metre centres or similar spacing to achieve an even application of effluent.
4. a) The LTA must be planted in high growth and nitrogen uptake vegetation (such as Lucerne or Ryegrass) and must be managed as far as practicably possible to optimise nutrient removal.
- b) The LTA must be harvested a minimum of three [3] times per year.
- c) A discharge to the LTA must not occur:
- i. During the months of June to August inclusive;
  - ii. Up to 10 days prior to the harvesting of the LTA;
  - iii. When the soils are frozen or saturated.
- d) The LTA must be marked out by any means that ensures the extent is identifiable on the ground surface and must remain marked out for the duration of the consent. The LTA must not be used:
- i. For roading whether sealed or unsealed;
  - ii. As a hardstanding area;
  - iii. For erecting buildings or any non-wastewater systems structures;
  - iv. For activities that require intensively managed grass surfaces (e.g. grass tennis courts or bowling greens or golf tees and greens);
  - v. For grazing stock, and
  - vi. No vehicle must park or drive over any part of the LTA with the exception of vehicles required to plant, maintain or harvest crops as part of the cut and carry regime and vehicles required to assist with the repair or maintenance of the LTA.
5. a) Within six months of the commissioning of the MBBR, the Consent Holder must provide Kā Rūnaka through Aukaha (1997) Limited, a description of the treatment and disposal system, including a site map that shows the location of the treatment system, discharge locations, sampling sites and the drainage network.
- b) The consent holder must provide Kā Rūnaka through Aukaha (1997) Limited, an annual report on the performance of the Hāwea Wastewater Treatment Plant.
- c) The Consent Holder must prepare a treatment and disposal management strategy for the Hāwea wastewater treatment plant. The objective of this strategy is the relocation of the Hāwea wastewater treatment plant away from the Hāwea River. The strategy must include:
- i. Description of the preferred solution.
  - ii. A record of engagement with Aukaha and with key stakeholders, including the community, on the preferred solution for the treatment and disposal of Hāwea wastewater.

- iii. Identification of the timeframes to implement the preferred treatment and disposal option and to cease the existing discharge to land adjacent to the Hāwea River by the expiry of this consent.

The strategy must be forwarded to the Consent Compliance Manager, Otago, Regional Council by December 2024.

- d) The Consent Holder must meet with Kā Rūnaka annually, or as requested by the Consent Holder or Kā Rūnaka, to assess progress with implementing the treatment and disposal management strategy for the replacement of the Hāwea Wastewater Treatment Plant.

### **Performance Monitoring**

6. a) The consent holder must maintain:
  - i. electromagnetic or built in ultrasonic discharge flow meters that can appropriately measure the rate and the volume of wastewater discharged to within an accuracy of +/- 10% over the meter's nominal flow range to measure the volume of wastewater discharged to the LTA and to the soakage trench. The flow meters must be capable of output to a datalogger.
  - ii. a datalogger that time stamps a pulse from the flow meter at least once every 15 minutes, and has the capacity to hold at least twelve months data.
- b) The Consent Holder must maintain a record of the total volume of wastewater discharged each day (cubic metres) from 1 July to 30 June inclusive. A copy of that record must be supplied to the Consent Authority at annual intervals by 1 September each year and any time upon request.
- c) The Consent Holder must provide records from the datalogger electronically to the Consent Authority at annual intervals by 1 September each year and at any time upon request. Data must be provided electronically giving the date, time and cubic meters in no more than 15-minute increments of wastewater.
- d) The wastewater flow meters / datalogger must be installed and maintained throughout the duration of the consent in accordance with the manufacturer's specifications.
- e) Within 20 working days of the installation of the discharge flow meter / datalogger/ telemetry unit, any subsequent replacement of the discharge flow meter / datalogger/ telemetry unit and at five yearly intervals thereafter, and at any time when requested by the Council, the Consent Holder must provide written certification to the Consent Authority signed by a suitably qualified person (SQP) certifying, and demonstrating by means of a clear diagram and photographs, that:
  - i. Each device is installed in accordance with the manufacturer's specifications;
  - ii. Data from the recording device can be readily accessed and/or retrieved in accordance with the conditions above; and
  - iii. That the wastewater flow meter has been verified as accurate.
- f) A SQP is a blue tick meter verifier or plumber using a yearly calibrated reference meter.
- g) All practicable measures must be taken to ensure that the water meter and recording devices are fully functional at all times.
- h) The Consent Holder must report any malfunction of the wastewater flow meter / datalogger unit to the Consent Authority within 5 working days of observation of the malfunction. The malfunction must be repaired within 10 working days of observation of the malfunction or within a timeframe agreed with the Consent Authority in writing and the Consent Holder must provide proof of the repair, including photographic evidence, to the Consent Authority within 5 working days of the completion of repairs.
- i) Photographs must be in colour and be no smaller than 200 x 150 millimetres in size and be in JPEG form.

*Advice Note: the wastewater flow meter and data logger should be safely accessible by the Consent Authority and its contractors at all times and any person accessing the flow meter for the purposes of this consent must be appropriately qualified and protected from any*

contaminants or viruses of concern relating to the discharge. The Water Measuring Device Verification and Calibration Form available on the Consent Authority's website can be used for wastewater flow meter verification.

7. a) Samples of treated wastewater must be collected prior to discharge from the outlet of the facultative pond and analysed for the following parameters in the last week of each month:

Parameter
5-day Carbonaceous Biochemical Oxygen Demand (CBOD5); and
Total Suspended Solids (TSS)
Total nitrogen (TN)
Total ammoniacal nitrogen (NH <sub>3</sub> -N)
Total phosphorus (TP)
Escherichia coli (E.coli)

- b) All samples must be collected and analysed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater" a joint publication of the American Public Health Association, Water Environment Federation and the American Water Works Association; or by similar methods certified as being equivalent in writing by the Consent Authority. All samples must be analysed by an IANZ accredited laboratory.

8. a) The quality of treated wastewater immediately before it is discharged to the land treatment area (LTA) and soakage trench must not exceed the standard specified below:

Parameter	Units	12 month rolling mean
Total nitrogen (TN)	Milligrams per litre	35
Total ammoniacal nitrogen (NH <sub>3</sub> )	Milligrams per litre	20
Total phosphorus (TP)	Milligrams per litre	10
		<b>12 month geometric mean</b>
<i>Escherichia coli (E.coli)</i>	CFU / 100 millilitres	

9. In the event of a non-compliance with one or more of the limits set out in Condition 8 and those results are confirmed exceedances (i.e. it is not due to faulty testing or other parameters affecting the results), the Consent Holder must report to the Consent Authority as follows:

- a) The Consent Authority must be notified of any test result confirming non-compliance with the rolling mean or geometric mean; and
- b) This notification must include advice of any corrective actions taken by the Consent Holder.
- c) An incident report must be provided to the Consent Authority within 20 working days of the non-compliance. This report must include:
  - i. identification of the likely cause of the non-compliance;
  - ii. the effects on the receiving environment likely to arise because of the non-compliance;
  - iii. the management responses undertaken, or which may be necessary to prevent any further non-compliance occurring;

- iv. remedial action undertaken or which may be necessary and confirmation of implementation if the action required does not require resource consent.
10. The Consent Holder must annually calculate a nitrogen mass balance to provide an estimate of the mass of nitrogen lost to groundwater from the LTA and soakage trench as follows:
  - a) Calculate the total nitrogen applied to land each year less the total nitrogen removed by the cut and carry operation each year by:
    - i. Calculating the nitrogen mass balance for the spray irrigation land application area, which shall be determined annually. The nitrogen mass balance shall consist as a minimum the total nitrogen applied to land and crop removal of nitrogen.
    - ii. The total nitrogen applied to the spray irrigation land shall be estimated from the total volume of effluent applied and the average of monthly concentration of total nitrogen in the land applied effluent.
    - iii. The total nitrogen removal by harvesting grass/lucerne from the LTA each year shall be estimated by obtaining dry matter content and total nitrogen content after each grass/lucerne harvest.
    - iv. The nitrogen mass balance from Condition 10(a).i and any other factors such as ammonia volatilisation and denitrification shall be used to calculate the mass of nitrogen leached from the site, using a model acceptable to the Consent Authority.
11. a) For the purposes of monitoring the effects of the discharge, the Consent Holder must carry out monthly water quality monitoring from the Hawea River, within 20 metres of the following sites and on either side of the river:
  - i. NZTM (2000): E 1302724 N 5052021 (upstream), and
  - ii. NZTM (2000): E 1302843 N 5051708 (downstream)b) The water quality samples must be analysed for:
  - i. BOD5;
  - ii. Total nitrogen;
  - iii. Nitrate nitrogen;
  - iv. Nitrite nitrogen;
  - v. NH4-N;
  - vi. Total phosphorous;
  - vii. Dissolved Reactive Phosphorus; and
  - viii. *E.coli*.c) Field measurements of pH, electrical conductivity (EC) and dissolved oxygen shall be taken from the river at the time of sampling.
12. The Consent Holder must provide the results of all samples taken in accordance with Conditions 7 and 11 to the Consent Authority within 5 working days of receiving the results.
13. a) The Consent Holder must undertake annual soil condition assessment from areas of the LTA that have received treated wastewater within the previous 12-month period every September or October. Soil sampling must be undertaken by a suitably qualified person with experience in soil sampling techniques and must include:
  - i. A composite sample comprising a minimum of twenty samples from a depth of 75 mm depth must be obtained, and must be analysed for the following:
    - Exchangeable Cations (Sodium, Potassium, Magnesium, Calcium);
    - Exchangeable Sodium Percentage;
    - Olsen P;
    - Cation exchange capacity;
    - Base saturation;
    - Sulphate sulphur;
    - Available Nitrogen; and

- pH.
    - ii. A Visual Soil Assessment (VSA) undertaken in accordance with the methodology provided in the OMM required under Condition 14.
  - b) The Consent Holder must have an assessment of the soil conditions within the LTA undertaken by a suitably qualified person with experience in soil sampling techniques every five years. The soil conditions assessment must include:
    - i. Four soil samples collected at random from within the LTA at a depth of 0 - 30 cm.
    - ii. Analysis of the four soil samples for the following:
      - Exchangeable Cations (Sodium, Potassium, Magnesium, Calcium);
      - Exchangeable Sodium Percentage;
      - Olsen P;
      - Total Phosphorus;
      - Cation exchange capacity;
      - Base saturation;
      - Total carbon;
      - Total Nitrogen;
      - Available Nitrogen;
      - pH; and
      - heavy metals (Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Zinc).
  - c) Provision of the results of the soil assessment to the Consent Authority within the annual monitoring report required under Condition 16 of this consent.
14. The consent holder must prepare and forward to the Consent Authority an Operations and Management Manual (OMM) for the treatment and land disposal system to ensure its effective and efficient operation at all times. The system must be operated in accordance with this manual at all times unless required by other conditions of this consent which prevail over the manual, which must be updated as appropriate. The OMM must be certified by the Consent Authority as including, as a minimum:
- a) A brief description and schematic of the treatment and disposal system, including a site map that shows the location of the treatment system, discharge locations, sampling sites and the drainage network;
  - b) Key operational matters including weekly, monthly and annual maintenance checks;
  - c) Monitoring requirements and procedures;
  - d) Management of the discharges to the LTA and soakage trench;
  - e) A management plan for the cut and carry operation including procedures for harvesting grass from the site and for maximising grass growth and nitrogen uptake by grass such as soil tests, supplementary nutrient additions and pest and weed control.
  - f) Contingency plans in the event of system malfunctions or breakdowns (including provision for the removal and disposal of effluent by tanker truck should there be prolonged system failure);
  - g) The means of receiving and dealing with any complaints;
  - h) Key personnel and contact details; and
  - i) Emergency contact phone numbers.
- 15 a) The Consent Holder must maintain a record of any complaints regarding the discharge to land or water. The register must include, but not be limited to:
- i. The location where the discharge was detected by the complainant;
  - ii. The date and time when the discharge was detected;
  - iii. A description of the discharge detected by the complainant;
  - iv. The name, phone number, and address of the complainant, unless the complainant elects not to supply this information;
  - v. A description of the weather conditions when the discharge was detected by the complainant;

- vi. Action taken by Consent Holder to avoid, remedy or mitigate the discharge detected by the complainant and any policies or methods put in place to avoid the discharge occurring again.
  - b) The Consent Holder must, within 24 hours, inform the Consent Authority of any complaints received from any person about activities on the site associated with the consented works.
  - c) A record of the complaints must be submitted to the Consent Authority by 1 September each year and be made available for inspection at other times upon request.
16. By the 1st of September a monitoring report must be prepared relating to the activities authorised by this consent over the preceding 1 July to 30 June period and forwarded to the Consent Authority. This report must be prepared by a suitably qualified or experienced person and must include, but not be limited to:
- a) Maintenance service records and details of malfunctions or breakdowns and the corrective action taken;
  - b) Flow monitoring records;
  - c) Discharge sampling and analysis results;
  - d) Copies of all analytical sample results collected under Condition 7 of this consent;
  - e) Surface water and soil sampling results collected under Conditions 11 and 13 and analysis including identification of any effects and any mitigation measures necessary to reduce contaminants;
  - f) Details of the cut and carry operation, including the calculations for nitrogen loading in the spray irrigation land, number of harvests, dry matter and total nitrogen content of the harvest and nitrogen balance for this site undertaken in accordance with Condition 10.
  - g) A comparison of wastewater quality and quantity results from the past calendar year with the results of the previous year and identification of any trends;
  - h) Maintenance service report and recommendations for improvements in the system;
  - i) Overview of compliance with all conditions of this consent including the OMM; and
  - j) A summary of any complaints received.
- The report required by Condition 16 must identify if there is a need to implement additional methods or improvements to the wastewater treatment and disposal system. All recommendations specified in the report and within scope of the consent must be implemented.
17. a) An audit of the condition, operation and performance of the wastewater treatment and land disposal system must be undertaken by a suitably qualified professional every five years. The audit must include:
- i. An assessment of the condition of the wastewater treatment and land treatment system.
  - ii. An assessment of the adequacy of the wastewater treatment and land treatment system to treat and dispose the consented wastewater volume.
  - iii. An up to date list of the component of the wastewater treatment and land treatment system.
  - iv. Recommendations including timeframes for any changes, upgrades, or remedial works to the wastewater treatment and land treatment system or process.
- b) A copy of the audit report must be provided to the Consent Authority no later than 30 working days after the assessment is undertaken.
  - c) All recommendations specified in the audit report and within scope of the consent must be implemented to ensure the efficient and safe operation of the wastewater treatment system and disposal field.

## **General**

18. The discharge of wastewater to land must not result in:
- a) Ponding of wastewater within or adjacent to the land disposal area;

- b) Channelling of wastewater that results in overland runoff of wastewater beyond the land disposal area;
  - c) Surface seepage (breakout) of wastewater beyond the land disposal area;
  - d) Odour emission resulting from the treatment and disposal system that is offensive or objectionable to such an extent that it has an adverse effect on the environment beyond the boundary of the property on which the consent is exercised;
  - e) Discharge of sludge of grease to land or water; and
  - f) Vehicle access over any part of the land disposal area.
19. The wastewater treatment and land disposal system must be maintained in good working order at all times.
20. a) Prior to the commencement of the discharge described in Condition 1 of this consent the Consent Holder must ensure that all personnel working on the site are made aware of, and have access at all times to:
- i. The contents of this document; and
  - ii. The OMM required under Condition 14.
- b) Copies of these documents must be present on-site at all time while the discharge authorised by this consent is being undertaken.

### **Review**

21. The Consent Authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the Consent Holder of its intention to review the conditions of this consent within three months of each anniversary of the commencement of this consent, for the purpose of:
- a) Determining whether the conditions of this consent are adequate to deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage, or which becomes evident after the date of commencement of the consent;
  - b) Ensuring the conditions of this consent are consistent with any National Environmental Standards, Regulations, relevant plans and/or the Otago Regional Policy Statement;
  - c) Requiring the consent holder to adopt the best practicable option, in order to remove or reduce any adverse effect on the environment arising as a result of the exercise of this consent;
  - d) Reviewing the frequency of monitoring or reporting required under this consent; and
  - e) Amending the monitoring required under this consent.

### **Notes to Consent Holder**

1. *Section 126 of the Resource Management Act 1991 provides that the Consent Authority may cancel this consent by written notice served on the Consent Holder if the consent has been exercised in the past but has not been exercised during the preceding five years.*
2. *If you require a replacement consent upon the expiry date of this consent, any new application should be lodged at least 6 months prior to the expiry date of this consent. Applying at least 6 months before the expiry date may enable you to continue to exercise this consent under section 124 of the Resource Management Act 1991 until a decision is made on the replacement application (and any appeals are determined).*
3. *The Consent Holder is responsible for obtaining all other necessary consents, permits, and licences, including those under the Building Act 2004, the Biosecurity Act 1993, the Conservation Act 1987, and the Heritage New Zealand Pouhere Taonga Act 2014. This consent does not remove the need to comply with all other applicable Acts (including the Property Law Act 2007 and the Health and Safety in Employment Act 1992), regulations, relevant Bylaws, and rules of law. This consent does not constitute building consent approval. Please check whether a building consent is required under the Building Act 2004.*

4. *Where information is required to be provided to the Consent Authority in conditions 5, 9, 12, 13, 14, 15, 16, 17 this is to be provided in writing to [compliance@orc.govt.nz](mailto:compliance@orc.govt.nz) and the email heading is to reference RM22.178.02 and the condition/s the information relates to.*
5. *The Consent Holder will be required to pay the Consent Authority an annual administration and monitoring charge to recover the actual and reasonable costs incurred to ensure ongoing compliance with the conditions attached to this consent, collected in accordance with Section 36 of the Resource Management Act 1991.*
6. *The Consent Holder is advised that water supplied for human consumption may also need to meet the requirements of the Health Act 1956, the Drinking Water Standards for New Zealand 2005 (Revised 2018), and any other Ministry of Health requirements.*

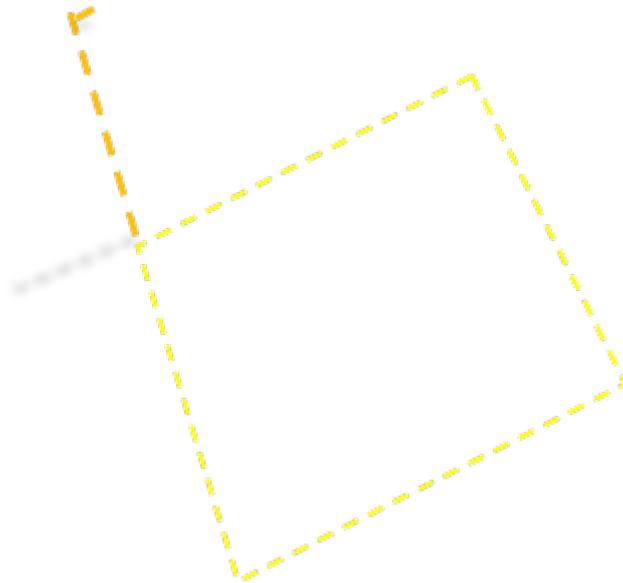
Issued at Dunedin this 7<sup>th</sup> day of July 2023.

*Reissued at Dunedin this 13<sup>th</sup> day of September 2023 after correction to conditions 13 and 16 under s133A*



Mat Bell  
**Team Leader Consents**

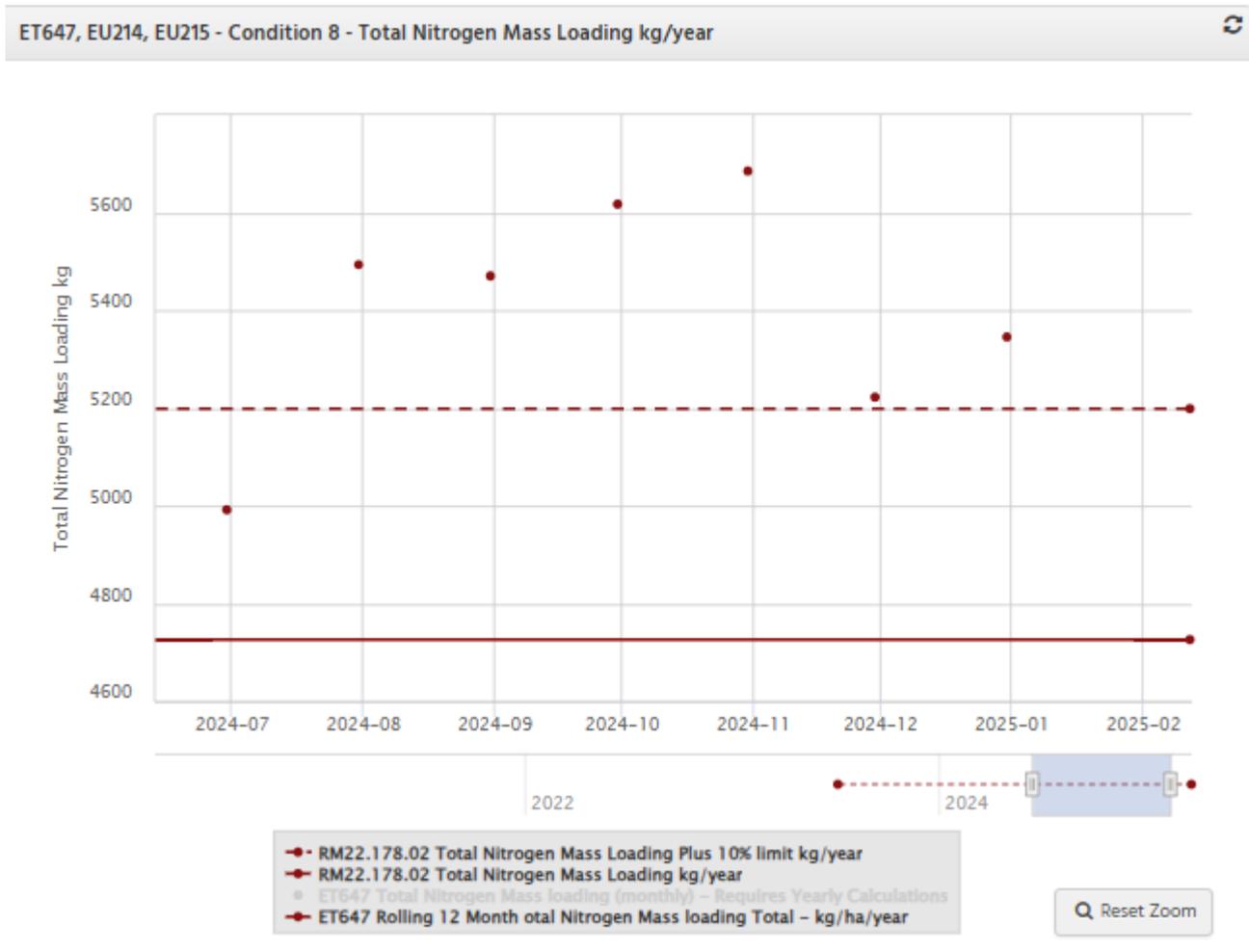
**Appendix 1: Hawea Wastewater Treatment Plant Land Treatment Area and Soakage Trench**





## APPENDIX B

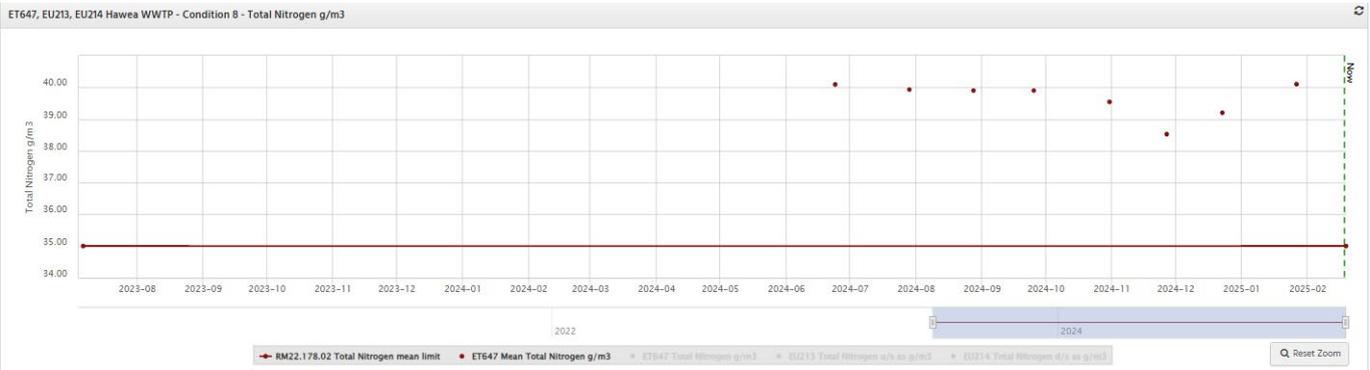
**Graph 1: Total Nitrogen Mass Loading (kg/year)**



**Table 1: Mean Total Nitrogen results compared against the consented limit (35mg/L)**

Month	Total Nitrogen Result
June 2024	40.09
July 2024	39.93
August 2024	39.90
September 2024	39.90
October 2024	39.54
November 2024	38.52
December 2024	39.20
January 2025	40.10

**Graph 2: Mean Total Nitrogen results compared against the consented limit (35mg/L)**



**Table 2: Summary of compliance with Condition 9 exceedance notification and reporting requirements**

Exceedance date	Condition 9(a) notification of noncompliance to ORC within 48 hours of receiving result	Condition 9(b) corrective actions taken	Condition 9(c) incident report provided within 20 working days
June 2024	Not provided	Provided late, on request by ORC	Not provided
July 2024	Provided 3 working days following exceedance report date.	Provided 3 working days following exceedance report date	Not provided
August 2024	Provided 3 working days following exceedance report date.	Provided 3 working days following exceedance report date.	Not provided
September 2024	Results provided within 48 hours, but notification of exceedance not provided.	Not provided	Not provided
October 2024	Results provided within 48 hours, but notification of exceedance not provided.	Not provided	Not provided
November 2024	Results provided and notified of exceedance within 48 hours	Provided	Not provided
December 2024	Results provided within 48 hours, but notification of exceedance not provided.	Not provided	Not provided
January 2025	Results and notification provided 4 working days following exceedance report date.	Provided 4 working days following exceedance report date.	Not provided