

Resource Consent

Document Date: 16.06.2026

*Pursuant to the Resource Management Act 1991, the Northland Regional Council
does hereby grant a Resource Consent to:*

FAR NORTH DISTRICT COUNCIL

To undertake the following activities associated with the operation of the Hihi Beach wastewater treatment system on Lots 71 78 DP 73991 Blk V Mangonui SD-Rec Res and on Pt Lot 1 DP 37697, Pt Lot 2 DP 86975 Blk V Mangonui SD-sewage disposal marsh-SO 65940:

Note: All location co-ordinates in this document refer to Geodetic Datum 2000, New Zealand Transverse Mercator Projection.

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| AUT.007399.01.03 | To discharge treated wastewater to an unnamed tributary of Hihi Beach (known locally as Hihi Stream) at or about location co-ordinates 1649634E 6130144N. |
| AUT007399.02.03 | To discharge contaminants to ground via seepage from the base of an artificial wetland system at or about location co-ordinates 1649672E 6130197N. |
| AUT.007399.03.03 | To discharge contaminants (primarily odour) to air from wastewater treatment facilities located at or about location co-ordinates 1649290E 6129562N, and at or about location co-ordinates 1649672E 6130197N. |

Subject to the following conditions:

AUT.007399.01 and AUT.007399.02 - Discharge to Water and to Land:

- 1 The volume of treated wastewater discharged from the outlet of the wastewater treatment plant, as measured post-UV disinfection and prior to the constructed wetland, must not exceed a 30-day rolling average dry weather discharge volume of 100 cubic metres per day. For compliance purposes, the "average dry weather discharge volume" must be calculated in accordance with Section 1 of Schedule 1 attached.
- 2 The Consent Holder must maintain in good working order a flow meter on the wastewater treatment plant outlet that has a measurement error of $\pm 5\%$ or less to measure the volume of wastewater discharged from the plant.
- 3 The Consent Holder must verify that the meter required by Condition 2 is accurate. Verification must be undertaken prior to 30 June:
 - (a) Following commencement of these consents; and
 - (b) At least once every five years thereafter.

Verification must be carried out by a suitably qualified person. A verification statement must be provided to the Northland Regional Council within 20 working days of the verification date.

- 4 The Consent Holder must keep records of the daily volume of treated wastewater discharged from the wastewater treatment plant, as measured by the meter required by Condition 2, the local daily rainfall measurement, and the 30 day rolling average dry weather discharge volume. These records must be recorded in a format agreed to by the Northland Regional Council.
- 5 The concentration of *E coli* in the treated wastewater at Northland Regional Council Sampling Site 100165 (the outlet of the wastewater treatment plant after UV disinfection) must not exceed 130 cfu per 100 millilitres of wastewater, measured as a 75th percentile.
- 6 By 28 February 2031, the wastewater treatment system must be upgraded to achieve the following limits, as measured at Northland Regional Council Sampling Site 100165 (the outlet of the wastewater treatment plant after UV disinfection):
 - (a) The annual median concentration of five-day carbonaceous biochemical oxygen demand (cBOD₅) must not exceed 5 milligrams per litre of wastewater;
 - (b) The concentration of cBOD₅ must not exceed 10 milligrams per litre of wastewater, measured as a 75th percentile;
 - (c) The annual median concentration of total suspended solids (TSS) must not exceed 5 milligrams per litre of wastewater;
 - (d) The concentration of TSS must not exceed 10 milligrams per litre of wastewater, measured as a 75th percentile; and
 - (e) The concentration of ammoniacal nitrogen must not exceed 1 milligram per litre of wastewater, measured as a 75th percentile.
- 7 The discharge of treated wastewater must not result in any of the following effects on water quality in the unnamed tributary of Hihi Beach, as measured at Northland Regional Council Sampling Site 345138:
 - (a) Cause the downstream pH to fall outside 6.0–9.0.
 - (b) Reduce the downstream daily minimum dissolved oxygen concentration below 4 milligrams per litre.
 - (c) Produce conspicuous oil or grease films, scums or foams, or floatable or suspended materials.
 - (d) Cause a conspicuous change in colour or visual clarity.
 - (e) Emit an objectionable odour.
- 8 The Consent Holder must monitor and report the exercise of these consents in accordance with the Monitoring Programme in Schedule 1 (attached).
- 9 The Consent Holder must provide and maintain easy and safe access to each of the following sampling points:
 - (a) Northland Regional Council Sampling Site Number 100165 located at the outlet of the wastewater treatment plant after UV disinfection on Lots 71 78 DP 73991 Blk V Mangonui SD-Rec Res.

- (b) Northland Regional Council Sampling Site Number 101874 located at the outlet of the last treatment wetland into the unnamed tributary of Hihi Beach, at or about location co-ordinates 1649634E 6130144N.
 - (c) Northland Regional Council Sampling Site Number 101130 located at a point adjacent to the unnamed tributary of Hihi Beach located approximately 130 metres upstream of the point where the treated wastewater enters the unnamed tributary of Hihi Beach, at or about location co-ordinates 1649726E 6130228N.
 - (d) Northland Regional Council Sampling Site Number 345138 located at a point located adjacent to the unnamed tributary of Hihi Beach located approximately 50 metres downstream of the point where the treated wastewater enters the unnamed tributary of Hihi Beach) at or about location co-ordinates 1649602E 6130100N.
- 10 The Consent Holder must install signage at appropriate location(s) warning the public of potential health risks from contact with the Hihi Stream downstream of the discharge.

AUT.007399.03 - Discharge to Air:

- 11 The Consent Holder's operations must not give rise to any discharge of contaminants to air at or beyond the property boundary that is deemed by a Northland Regional Council monitoring officer to be noxious, dangerous, offensive, or objectionable.

For the purposes of this condition, "property boundary" refers to:

- (a) The wastewater treatment plant boundary on Lots 71 78 DP 73991 Blk V Mangonui SD-Rec Res; and
 - (b) The boundary of the artificial wetland property located on Pt Lot 1 DP 37697 Pt Lot 2 DP 86975 Blk V Mangonui SD-sewage disposal marsh-SO 65940.
- 12 The Consent Holder must have in place and implement the Odour Management Plan in Schedule 2 (**attached**).

General Conditions:

- 13 The Consent Holder must have in place, implement, and keep updated an Operations and Maintenance Plan. The Plan must include:
- (a) Specification of the design wastewater volume, dimensions, design loading, and expected treatment performance of each component of the treatment system including the constructed wetland.
 - (b) A schedule of inspection, servicing, and maintenance actions to be carried out on the wastewater treatment system, including the constructed wetland maintenance and desludging requirements.
 - (c) Contingency measures for unauthorised discharges.
 - (d) Methods to combat nuisances that may arise in the treatment system, including midges and other insects.
- 14 A copy of the Operations and Maintenance Plan required by Condition 13 must be provided to the Northland Regional Council by the 30 November 2026. If the Operations and Maintenance Plan is amended, then a copy of the amended plan must be provided to the Northland Regional Council.

- 15 The Consent Holder must maintain the wastewater treatment system so that it always operates effectively.
- 16 A written record of maintenance must be kept. A copy of this record must be provided to the Northland Regional Council immediately on request.
- 17 The Consent Holder must on becoming aware of any discharge associated with the Consent Holder's operations that is not authorised by these consents:
 - (a) Immediately take such action, or execute such work as may be necessary, to stop and/or contain the discharge;
 - (b) Immediately notify the council by telephone of the discharge;
 - (c) Take all reasonable steps to remedy or mitigate any adverse effects on the environment resulting from the discharge; and
 - (d) Report to the Northland Regional Council in writing within one week on the cause of the discharge and the steps taken, or being taken, to effectively control or prevent the discharge.

For telephone notification during the Northland Regional Council's opening hours, the Northland Regional Council's assigned monitoring officer for these consents must be contacted. If that person cannot be spoken to directly, or it is outside of the Northland Regional Council's opening hours, then the Environmental Hotline must be contacted.

Advice Note: *The Environmental Hotline is a 24-hour, seven day a week, service that is free to call on 0800 504 639.*

- 18 The Northland Regional Council may, in accordance with Section 128 of the Resource Management Act 1991, serve notice on the Consent Holder of its intention to review the conditions annually during the month of May for any one or more of the following purposes:
 - (a) To deal with any adverse effects on the environment that may arise from the exercise of the consent and which it is appropriate to deal with at a later stage; or
 - (b) To require the adoption of the best practicable option to remove or reduce any adverse effect on the environment, including any planned improvements or upgrades identified but not implemented.

The Consent Holder shall meet all reasonable costs of any such review.

EXPIRY DATE: 31 MARCH 2036

This consent was granted on 29 May 2026 under delegated authority from the council by Stuart Savill, Consents Manager. Pursuant to Section 133A of the Resource Management Act 1991, a minor correction has been made to the year that the document was signed, which has been authorised under delegated authority from the council by Stuart Savill, Consents Manager on 16 June 2026.

SCHEDULE 1: MONITORING PROGRAMME

The Consent Holder (or its authorised agent) must monitor the resource consents in accordance with the following monitoring programme.

1. AVERAGE DRY WEATHER DISCHARGE VOLUME

The average dry weather discharge volume must be a "rolling" (moving) average based on flow data from the 30 most recent "dry weather flow" days. For the purposes of this calculation, flows from all days that occur after 3 consecutive days without rain (defined as being days where 1 millimetres (mm) or less of rain falls) must be used.

Either Northland Regional Council's closest telemetered rainfall recorder site (presently Site 530511, Oruru at Bowling Club), or any other Northland Regional Council approved calibrated rainfall recorder site that is closer to or at the site, must be used as the daily rainfall recorder for this consent.

2. ODOUR MONITORING

During each visit for monitoring purposes, any significant odours at or beyond the property boundary shall be noted and reported to the Northland Regional Council within 24 hours of the visit.

Note: "Property boundary" is defined in the conditions of the discharge to air consent.

3. DISCHARGE AND RECEIVING WATER MONITORING

3.1 Sites

The following sites (shown on Northland Regional Council Plan 5809, attached) shall be monitored.

NRC Monitoring Site Number	Location Description
100165	Hihi Sewage Treatment System @ outlet of Treatment Plant on Lots 71 and 78 DP 73991
101874	Final discharge of treated wastewater from treatment plant to unnamed tributary of Hihi Beach (Hihi Stream).
101130	Unnamed tributary of Hihi Beach (Hihi Stream), approximately 130 metres upstream of NRC monitoring site number 101874.
345138	Unnamed tributary of Hihi Beach (Hihi Stream), approximately 50 metres downstream of the constructed wetland discharge.

3.2 Sampling Procedures, Determinands and Frequency

One grab sample must be collected each month at each monitoring site. All samples must be taken between 0900 and 1700 hours, analysed for the following, and the sample time recorded:

- Temperature^(See Note 1)
- pH
- Dissolved oxygen concentration ^(See Note 1)
- 5-day carbonaceous biochemical oxygen demand

- Total suspended solids
- Total ammonia nitrogen
- Dissolved inorganic nitrogen
- Total nitrogen
- Dissolved reactive phosphorus
- Total phosphorus
- *Escherichia coli*

Discharge sampling shall be undertaken at the same time as the receiving water sampling.

Notes:

1. Temperature and dissolved oxygen concentration shall be measured in the field using a meter in accordance with standard procedures.

4. SAMPLE COLLECTION, SAMPLE TRANSPORT, AND LABORATORY REQUIREMENTS

All samples must be collected using standard procedures and in appropriate laboratory supplied containers.

All samples collected as part of this monitoring programme must be transported in accordance with standard procedures and under chain of custody to the laboratory.

All samples taken must be analysed at a laboratory that is certified by International Accreditation New Zealand, and all analyses are to be undertaken using standard methods, where applicable.

5. Compliance with Medians and 75 percentiles

Compliance with median and 75th percentile concentrations must be determined annually using both the monitoring results undertaken in accordance with this schedule and any samples collected by the Northland Regional Council.

6. Reporting

The Consent Holder must prepare monthly reports of all monitoring undertaken in accordance with this schedule. The reports must be in a format agreed with the Northland Regional Council and must be provided by the fifteenth day of the following month.

Each report must include all raw data and the statistics calculated for compliance purposes.

