

Beachlands WWTP Discharge Consent – Proposed Consent Conditions

General Accordance

1. The activities authorised by this consent shall be carried out in general accordance with the plans and information submitted with the application detailed below and all material referenced by the Council as consent number DIS60433803.
 - Application form and Assessment of Environmental Effects report, titled “Beachlands Wastewater Scheme Discharges”, prepared by Stantec, dated June 2024.

Report title and Reference	Author	Rev	Dated
Beachlands Wastewater Scheme Resource Consent Project - Alternatives Assessment Report	Stantec	1	June 2024
Beachlands Wastewater Treatment Plant – water quality, ecological and human health effects assessment	Streamlined	4	9 October 2024
Beachlands WWTP: Preliminary assessment of land area requirements for overland flow system explanation – Memorandum 1	Pattle Delamore Partners (PDP)		02 April 2024
Beachlands WWTP: Assessment of Overland Flow System Treatment Performance – Memorandum 2	Pattle Delamore Partners (PDP)		02 April 2024
Beachlands WWTP: Assessment of Overland Flow System Treatment Performance – Memorandum 3 (interim)	Pattle Delamore Partners (PDP)		17 May 2024
Assessment of Potential Effects on Soils and Ecology from Beachlands WWTP Overland Flow System (Memorandum 4)	Pattle Delamore Partners (PDP)		17 May 2024
Beachlands Maraetai WWTP Resource Consent Renewal: Stream Hydraulic Assessment	Pattle Delamore Partners (PDP)		26 March 2024
Beachlands WWTP Discharge: Assessment of microbiological effects and health risk	NIWA		April 2024
Assessment of Proposed Te Puru Stream Discharge	DHI Water & Environment Ltd (DHI)		28 March 2024
Water Quality and Biological Assessment, Te Puru Stream Tributary, Beachlands	Bioresearches		May 2024
Te Puru Stream WWTP Discharge Assessment of Effects on Stream Habitat	Bioresearches		18 April 2024
Beachlands WWTP - Wastewater Discharge Consent Project – Stakeholder Engagement Report	Watercare Services Limited (WSL)		12 June 2024

In the event of any conflict between the documents listed above and the conditions of this consent, the conditions shall prevail.

Definitions

- Annual Average Dry Weather Flow (**ADWF**): Average dry-weather flow means the flow in the wastewater network that would occur during a normal day in a dry weather period (i.e. three consecutive days of less than 5mm rainfall per day), including wastewater, trade waste and an allowance for groundwater infiltration.

For the purposes of compliance, the annual average dry weather flow shall be calculated every Calendar year based on the average dry weather flow recorded during the past year.

- Peak Wet Weather Flow (**PWWF**): Peak wet weather flow means the peak flow to the wastewater treatment plant that would occur during wet weather.
- **WWTP** – means the Beachlands Wastewater Treatment Plant located at 100 Okaroro Drive, Beachlands.
- **Fortnightly** – This refers to sampling frequency and means the second and the fourth week of the month only (i.e. 24 samples per year).

Term of Consent

2. The discharge permit DIS60433803 shall expire 35 years from the date of commencement, unless it has lapsed, been surrendered or been cancelled at an earlier date pursuant to the Resource Management Act 1991 (**RMA**).

Works

3. Within one month of the completion and commissioning of each of the upgrades to the WWTP identified in Conditions 5, 8 and 11, or of any interim works required to meet treated wastewater quality requirements in this consent, the Consent Holder shall notify Auckland Council in writing that the works have been completed.

Discharge Volume and Standards – Existing WWTP

4. From the date of commencement of this consent until the date the Consent Holder gives written notice to Auckland Council in accordance with Condition 5 that the Short Term Upgrade has been completed and commissioned, clauses (a) – (b) of this condition, and Condition 7 below, apply to the operation of the WWTP:
 - (a) The discharge volume from the WWTP to the overland flow system shall not exceed the flow rates outlined in Table 1 below;

Table 1. Treated Wastewater Discharge Volumes from the Existing Beachlands WWTP.

Parameter	Units	Limit
Annual Average Dry Weather Flow	m ³ /day	2,200
Peak Wet Weather Flow	m ³ /day	4,500

- (b) The discharge from the WWTP shall be equal to or less than the limit specified for each parameter set out in Table 2 below. The collection of treated wastewater grab samples shall

occur **fortnightly** and take place following Ultraviolet treatment and prior to discharge to the overland flow system.

Table 2. Existing WWTP Treated Wastewater Quality Standards.

Parameter	Units	Limit
Biochemical Oxygen Demand (BOD)	g/m³ at the 90% percentile	15
Total Suspended Solids (TSS)	g/m³ at the 90% percentile	15
Ammoniacal nitrogen (NH ₄ -N)	gN/m³ at the 95 th percentile	4.0 (Summer) ¹ 5.0 (Winter)
Nitrate plus nitrite nitrogen (NO _x -N)	gN/m³ at the 90 th percentile	15
Dissolved Reactive Phosphorus (DRP)	g/m³ at the 90 th percentile	5.0
Faecal coliforms	cfu/100 mL	Better than a median of 14

Note:

1. Summer period is November to April inclusive
2. Ammoniacal nitrogen will be sampled weekly (first, second, third and fourth week of the month) and will be assessed over the respective seasons.
3. Median - no more than 12 samples in any 24 consecutive fortnightly samples shall exceed the specified limit.
4. 90th percentile limits - no more than two samples in any twenty consecutive samples events shall exceed the specified limit.
5. 95th percentile limits - no more than one sample in any twenty consecutive samples events shall exceed the specified limit.

Discharge Volume and Standards – After Short-term Upgrade to WWTP

5. Prior to the annual ADWF from the WWTP exceeding 2,200m³ per day, the consent holder must complete and commission the Short-Term Upgrade to the WWTP, as generally described in the Assessment of Environmental Effects, and give written notice of this to Auckland Council.
6. Clauses (a) – (b) of this condition, and Condition 7 below, apply to the operation of the WWTP from the date the consent holder gives notice under Condition 5 until the date that the consent holder gives notice to Auckland Council under Condition 8 that the Beachlands WWTP Long Term Upgrade Stage 1 has been completed and commissioned:
 - (a) The discharge volume from the WWTP to the overland flow system shall not exceed the flow rates outlined in Table 3 below;

¹ Summer is November to April inclusive

Table 3. Treated Wastewater Discharge Volumes from the WWTP following completion of the Short Term Upgrade.

Parameter	Units	Limit
Annual Average Dry Weather Flow	m ³ /day	3,600
Peak Wet Weather Flow	m ³ /day	8,700

- (b) The discharge from the WWTP shall be equal to or less than the limit specified for each parameter set out in Table 4 below. The collection of treated wastewater grab samples shall occur fortnightly and take place following Ultraviolet treatment and prior to discharge to the overland flow system.

Table 4. Treated Wastewater Quality Standards following completion of the Short Term Upgrade.

Parameter	Median	95 th % ile
Biochemical Oxygen Demand (BOD)	7.0	15
Total Suspended Solids (TSS)	7.0	15
Ammoniacal nitrogen (NH ₄ -N)	0.6	3.0
Nitrate plus nitrite nitrogen (NO _x -N)	3.5	11
Soluble Inorganic Nitrogen (SIN)	4.1	14
Dissolved Reactive Phosphorus (DRP)	1.0	3.0
Faecal coliforms	<10	100

Note:

- Median - no more than 12 samples in any 24 consecutive fortnightly samples shall exceed the specified limit.
 - 95th percentile limits - no more than one sample in any twenty consecutive samples events shall exceed the specified limit.
7. Following commencement of the consent and until the commissioning of the Long Term Upgrade, the Consent Holder shall also undertake discharge quality monitoring for the parameters identified in Table 5 below. The collection of treated wastewater grab samples shall take place following Ultraviolet treatment and prior to discharge to the overland flow system.

Table 3. Short-Term Additional Treated Wastewater Monitoring Parameters.

Parameter	Units	Frequency
pH		Monthly
Temperature	°C	Monthly
Conductivity	mS/m	Monthly
Total Suspended Solids	mg/L	Monthly
Faecal Coliforms	cfu/100mL	Monthly
Carbonaceous Biochemical Oxygen Demand	mg/L	Monthly
Ammoniacal-N (NH ₄ -N)	mg/L	Monthly

Nitrate plus Nitrite-N (NO _x -N)	mg/L	Monthly
Total Nitrogen (TN)	mg/L	Monthly
Dissolved Reactive Phosphorus (DRP)	mg/L	Monthly
Total Phosphorus (TP)	mg/L	Monthly

Discharge Volume and Standards – After Long Term Stage 1 Upgrade

8. Prior to the annual ADWF from the WWTP exceeding 3,600m³ per day, the consent holder shall complete and commission sufficient upgrades to the WWTP to meet the Long Term Stage 1 Upgrade volumes and standards specified in Condition 9 and give written notice of this to Auckland Council.
9. Clauses (a) to (b) of this condition apply from the date the consent holder gives notice to Auckland Council under Condition 8 above until the date that the consent holder gives written notice to Auckland Council under Condition 10 that the Beachlands WWTP Long-Term Stage 2 Upgrade has been completed and commissioned.
 - (a) The discharge volume from the WWTP to the overland flow system shall not exceed the flow rates outlined in Table 6 below;

Table 4. Treated Wastewater Discharge Volumes from the Beachlands WWTP following completion of the Long Term Stage 1 Upgrade.

Parameter	Units	New WWTP - Long Term Stage 1 Upgrade
Annual Average Dry Weather Flow	m ³ /day	4,800
Peak Wet Weather Flow	m ³ /day	28,900

- (b) The discharge from the WWTP shall be equal to or less than the limit specified for each parameter set out in Table 7 below. The collection of treated wastewater grab samples shall take place following Ultraviolet treatment and prior to discharge to the overland flow system.

Table 5. Treated Wastewater Quality Standards following completion of the Long Term Stage 1 Upgrade.

Parameter	Units	Long Term Stage 1	
		Median	95 th %ile
Biochemical Oxygen Demand (BOD)	mg/L	5.0	9.0
Total Suspended Solids (TSS)	mg/L	5.0	9.0
Ammoniacal nitrogen (NH ₄ -N)	mg/L	0.5	3.0
Nitrate plus nitrite nitrogen (NO _x -N)	mg/L	2.0	4.5
Soluble Inorganic Nitrogen (SIN)	mg/L	2.5	7.5
Dissolved Reactive Phosphorus (DRP)	mg/L	0.5	1.0
Faecal coliforms	Cfu/100mL	<10	<100

Note:

1. Median - no more than 12 samples in any 24 consecutive fortnightly samples shall exceed the specified limit.
 2. 95th percentile limits - no more than one sample in any twenty consecutive samples events shall exceed the specified limit.
10. Following implementation of the Long-Term Stage 1 upgrade, the Consent Holder shall ensure that a validated (in accordance with USEPA UV Disinfection Guidance Manual 2006 or another suitable method) Ultraviolet (UV) dose of 35 mJ/cm² is delivered by the UV disinfection facility for 99% of the time (calculated based on a 15-minute average) over each calendar month.

Discharge Volume and Standards – After Long Term Stage 2 Upgrade

11. Prior to the annual ADWF from the WWTP reaching 4,800m³ per day, the consent holder shall complete and commission sufficient upgrades to the WWTP to meet the Long Term Stage 2 Upgrade volumes and standards specified in Condition 12 and give written notice of this to Auckland Council.
12. Clauses (a) and (b) of this condition apply from the date that the consent holder gives notice to Auckland Council under Condition 11 above until the term of this consent ends in accordance with Condition 2 above:
 - (a) The discharge volume from the WWTP to the overland flow system shall not exceed the flow rates outlined in Table 8 below.

Table 8. Treated Wastewater Discharge Volumes from the Beachlands WWTP following completion of the Long Term Stage 2 Upgrade.

Parameter	Units	New WWTP - Long Term Stage 2 Upgrade
Annual Average Dry Weather Flow	m ³ /day	6,000
Peak Wet Weather Flow	m ³ /day	36,200

- (b) The discharge from the WWTP shall be equal to or less than the limit specified for each parameter set out in Table 9 below. The collection of treated wastewater grab samples shall take place following Ultraviolet treatment and prior to discharge to the overland flow system.

Table 9. Treated Wastewater Quality Standards following completion of the Long Term Stage 2 Upgrade

Parameter	Units	Long Term Stage 2	
		Median	95 th %ile
Biochemical Oxygen Demand (BOD)	mg/L	5.0	9.0
Total Suspended Solids (TSS)	mg/L	5.0	9.0
Ammoniacal nitrogen (NH ₄ -N)	mg/L	0.5	3.0
Nitrate plus nitrite nitrogen (NO _x -N)	mg/L	2.0	4.5
Soluble Inorganic Nitrogen (SIN)	mg/L	2.5	7.5

Dissolved Reactive Phosphorus (DRP)	mg/L	0.5	1.0
Faecal coliforms	Cfu/100mL	10	100

Note:

1. Median - no more than 12 samples in any 24 consecutive fortnightly samples shall exceed the specified limit.
 2. 95th percentile limits - no more than one sample in any twenty consecutive samples events shall exceed the specified limit.
13. Following completion of the Long-term upgrade the Consent Holder shall undertake discharge quality monitoring for the parameters identified in Table 10 below. The collection of treated wastewater grab samples shall take place following Ultraviolet treatment and prior to discharge to the overland flow system.

Table 6. Long-Term - Additional Treated Wastewater Monitoring Parameters.

Parameter	Units	Frequency
pH		Monthly
Temperature	°C	Monthly
Conductivity	mS/m	Monthly
Total Suspended Solids	mg/L	Monthly
Faecal Coliforms	cfu/100mL	Monthly
Carbonaceous Biochemical Oxygen Demand	mg/L	Monthly
Ammoniacal-N (NH4-N)	mg/L	Monthly
Nitrate plus Nitrite-N (NOx-N)	mg/L	Monthly
Total Nitrogen (TN)	mg/L	Monthly
Dissolved Reactive Phosphorus (DRP)	mg/L	Monthly
Total Phosphorus (TP)	mg/L	Monthly

General Standards – All Discharges

14. The Consent Holder shall ensure that all chemical analyses and sampling techniques are carried out in accordance with the latest edition of “Standard Methods for the Examination of Water and Wastewater”, APHA AWWA WEF, or other standards approved in writing by the Auckland Council. All wastewater quality analyses shall be undertaken by an IANZ accredited or equivalent laboratory.
15. The Consent Holder shall advise the Auckland Council in writing as soon as practicable if the 95th percentile limit is exceeded in two consecutive fortnightly samples for any parameters shown in Tables 4, 7 and 9 above, an investigation shall also be undertaken into the cause of the exceedance, the significance of the effect of the exceedance on the receiving environment, and the remedial action undertaken (if required) in response to the exceedance and the findings of this investigation report to the Auckland Council within one month of the exceedance occurring.

Flow Volume Monitoring

16. At all times during the term of this consent, the Consent Holder shall maintain flow meters to continuously measure the total daily volume discharged from the WWTP post Ultraviolet treatment. The discharge volume meter must be maintained to ensure an accuracy of plus or minus 5 percent. Records shall be kept of the treated wastewater volumes discharged post Ultraviolet treatment. Recorded data shall be reported in accordance with Condition 29.

Overland Flow Design Plan

17. Within 9 months of the commencement of this consent, the Consent Holder shall:
 - a. prepare an Overland Flow Design Plan (**OFDP**) and submit it to Auckland Council for certification against the requirements of condition 18a – 19g;
 - b. in partnership with Ngāi Tai ki Tāmaki design and develop the expanded overland flow system for the discharges from the WWTP within the Watercare site.

18. The OFDP shall as a minimum, include:
 - a. A review of the design of the existing overland flow system and pond including application rate, residence time, the periodic resting of zones within the overland flow area, and the capacity and potential erosion risk of the culvert at the downstream end of the farm pond.
 - b. design plans for the Overland Flow System, including any pond element that is part of the system.
 - c. A description of the cultural design input, including in particular from Ngai Tai ki Tamaki, and how this has been incorporated into the final design of the Overland Flow System.
 - d. A description of the location and design of the proposed expansion to the overland flow system, including how the Overland Flow System:
 - i. Avoids and mitigates potential adverse effects on the ecological values of riparian areas, and aquatic habitats, including application of an effects management hierarchy where appropriate.
 - ii. Ensures the future overland flow system has an appropriate area slope and gradient. This includes earthworks, slope length, soil conditions, vegetation cover and erosion control.
 - iii. Ensures that future wastewater flows, including wet weather flows, are provided for.
 - iv. Aligns with good practice in relation to:
 - dispersal method.
 - wastewater application rate.
 - residence time.
 - periodic resting of zones within the overland flow area(s).
 - management of vegetation, including harvesting where this will contribute to the treatment benefits of the overland flow areas.
 - e. A description of the operational management of all overland flow systems for the WWTP.
 - f. A description of the ongoing monitoring and maintenance requirements associated with the Overland Flow System.
 - g. Where applicable to the overland flow system, a riparian planting plan will be prepared, that describes the location of riparian planting, what plant species will be used and the proposed maintenance measures.

Once certificated the OFDP shall be implemented by the consent holder. Implementation of the matters identified in Condition 18(b)-(g) shall be undertaken in conjunction with the Short-term and Long-term Upgrades to the WWTP.

Receiving Environment Monitoring Plan

19. Within 6 months of the commissioning of the Short-term Upgrade of the WWTP, the Consent Holder shall prepare a Receiving Environment Monitoring Plan (**REMP**) for the receiving environment of the WWTP discharges and submit it to the Auckland Council for certification that it has been prepared in general accordance with the requirements listed in Condition 21. Once

certified by the Council the Consent Holder shall implement the REMP for the duration of the consent.

20. The purpose of the REMP is to provide the monitoring framework for:
 - a. Detecting trends in receiving water quality that are attributable to the discharges from the WWTP.
 - b. Detecting unanticipated adverse effects on freshwater ecology that are attributable to the discharges from the WWTP.
 - c. Detecting relevant changes in sediment quality with the potential to affect benthic ecological health in Te Puru estuary.
 - d. Detecting and tracking blooms of nuisance macroalgae that are attributable to the discharges from the WWTP.

21. The REMP shall, as a minimum, include / provide for:
 - a. A description of the sampling location/s, frequency and methodology for sampling the effects of treated wastewater discharges on receiving water quality for each parameter set out in Table 11;

Table 7. Minimum receiving environment monitoring parameters.

Parameter	Units
Dissolved Oxygen	mg/L and % saturation
pH	
Temperature	°C
Conductivity	mS/m
Salinity	ppt
Total Suspended Solids	mg/L
Faecal Coliforms	cfu/100mL
Carbonaceous Biochemical Oxygen Demand	mg/L
Ammoniacal-N (NH ₄ -N)	mg/L
Nitrate plus Nitrite-N (NO _x -N)	mg/L
Total Nitrogen (TN)	mg/L
Dissolved Reactive Phosphorus (DRP)	mg/L
Total Phosphorus (TP)	mg/L
Chlorophyll a	mg/L

- b. A description of the monitoring location/s, frequency and methodology for ecological monitoring for benthic ecology and macroalgae monitoring.
- c. Sediment quality monitoring will include sediment grain size, total organic carbon, total nitrogen, total phosphorus and heavy metals (cadmium, chromium, copper, lead and zinc) at trace detection levels.
- d. Monitoring of emerging contaminants in water and sediment from an upstream site, farm pond site, site 15 (refer to Figure 3.3 of the AEE), and the estuary.
- e. Monitoring emerging contaminants in the treated wastewater discharge
- f. The procedure for modifying the REMP; and
- g. Reporting and review procedures.

Monitoring design for the above aspects shall include the number of samples, spacing of sample stations in relation to the position of the outfall, frequency of sampling, methodology and

reporting including baseline data collection. The REMP shall be designed to deliver environmentally meaningful results and be statistically robust enough to detect potential changes to those matters listed above.

22. Following the second year of reporting under the REMP, and subsequently at five yearly intervals or following the completion and commissioning of each upgrade stage (whichever comes first), the Consent Holder shall engage an independent suitably qualified person to review the REMP to confirm that the sampling provided for is 'fit for purpose'. The review of the REMP shall, as a minimum, consider:
 - a. Monitoring results (particularly spatial and temporal patterns used to assess the effects of the outfall);
 - b. Whether the parameters measured are appropriate;
 - c. The location and number of sampling sites and whether they are spatially appropriate;
 - d. Sampling frequencies;
 - e. Whether better methods are available for obtaining the information required (e.g. because of technological developments);
 - f. The suitability of data analyses; and
 - g. The adequacy of reporting.

The review shall be forwarded to Auckland Council within one month of completion and where the findings of the review identify a need to amend the REMP, this shall be undertaken in accordance with the procedure for modifying the REMP as outlined in the REMP.

Operations Management Plan

23. Within six months of commissioning of the Short-term Upgrade to the WWTP, the Consent Holder shall prepare an Operations Management Plan (**OMP**) and submit it to Auckland Council for certification against the requirements of condition 24. A new OMP shall be prepared for every significant upgrade of the WWTP. The purpose of the OMP is to provide a framework for the operation and management, maintenance, treated wastewater, environmental monitoring and reporting of the WWTP to ensure compliance with conditions of this consent.
24. The OMP, as a minimum, shall include / provide for:
 - a. A description of the service area information including population growth.
 - b. An overview description of the WWTP and discharge facilities;
 - c. A description and schedule of the routine inspection, monitoring and maintenance procedures to be undertaken to ensure operation of the WWTP and discharge facilities complies with this consent;
 - d. Details of contingency plans and procedures to address a critical power or equipment failure at the WWTP;
 - e. Procedures for recording routine maintenance and all major repairs that are undertaken; and
 - f. The Consent Holder's chain of command, responsibility and notification protocols.
25. Once the OMP has been certified by the Auckland Council, the Consent Holder shall implement it for the duration of the consent. All significant updates to the OMP throughout the term of this consent shall be submitted to the Auckland Council for certification that the updated OMP meets the requirements of Condition 24 prior to its implementation.

Emerging Contaminants Risk Assessment

26. Within six months of commissioning of the Short-term Upgrade to the WWTP, the Consent Holder shall engage a suitably qualified person to undertake an Emerging Contaminants Risk Assessment (**ECRA**) of the treated wastewater discharged under this consent. Thereafter, an ECRA shall be prepared at 5 yearly intervals. The ECRA shall as a minimum address:
- a. An assessment of the risks to the environment from all emerging contaminants in the treated wastewater discharge and receiving environment from the upgraded WWTP using the monitoring data collected under condition 21d and 21e of this Consent.
 - b. Review of changes in the state of knowledge of emerging contaminants relevant to the WWTP either since the assessment of emerging contaminants included in the Application for these consents or the previous ECRA, whichever is more recent.
 - c. Identification of any new emerging contaminants or those for which risk factors have changed resulting in the need for them to be included in an ECRA.
27. The ECRA shall be forwarded to the Auckland Council by 30 September of each year that it is required for certification that it meets the requirements of Condition 26.

Reporting

28. An Annual Monitoring Report shall be submitted to the Auckland Council by September 30 of each year. The report shall include, but not be limited to:
- a. Collate, analyse and interpret all relevant data and information pertaining to this consent for the previous year from 1 July to 30 June;
 - b. Report the calculated annual ADWF and PWWF volumes, and the rainfall data for the previous year from 1 July to 30 June, and compare these values with the applicable discharge volume requirements specified in Conditions 4(a), 6(a), 9(a) or 12(a) of this consent;
 - c. The monitoring and reporting for flows, treated wastewater quality, other environmental monitoring;
 - d. Include comment on Wastewater Treatment Plant performance in relation to the quality of the treated wastewater discharge (including compliance with Ultraviolet dose requirements in accordance with Condition 10 and any trends in changes in the discharge volume and/or the discharge quality over time;
 - e. Comment on compliance with each consent condition; and
 - f. Identify any actions required and submit a timetable to rectify any non-compliance.

Complaints Reporting and Processes

29. All complaints received by the Consent Holder about the treated wastewater discharge associated with the WWTP shall be logged immediately in the WWTP Complaints Register. The Register shall include:
- a. The date, time, location, duration and nature of the complaint;
 - b. Name, phone number and address of the complainant unless the complainant wishes to remain anonymous;
 - c. Any remedial action taken by the Consent Holder in response to the complaint and when it was undertaken, and if no remedial action was considered necessary by the Consent Holder, the reasons for taking no remedial action;
 - d. The possible cause of the relevant event/ incident that lead to the complaint;

- e. The weather conditions at the time of the relevant event/ incident including estimates of wind direction, wind strength, temperature and cloud cover;
 - f. The date and name of the person making the entry; and.
 - g. Details of any complaints received shall be provided to the Auckland Council within 24 hours of receipt of the complaint(s) or on the next working day, if the complaint is associated with breaches to the performance standards set out in the above conditions. All other complaints shall be provided in the Annual Report required by Condition 28.
30. All records, monitoring and test results that are required by the conditions of this consent shall, upon request by Auckland Council (being the Consent Compliance Officer or the Team Leader, Compliance Monitoring), be made available by the Consent Holder. All records and results shall be kept for a minimum of two years from the date of each entry.

Monitoring and Technology Reviews

31. The Consent Holder shall engage an independent suitably qualified person to prepare and submit a Monitoring and Technology Review Report (**MTRR**) for the WWTP, its catchment area and its contaminant discharges at five yearly intervals following the commissioning of the Short-term WWTP upgrade. The draft MTRR shall be submitted to the Auckland Council for certification that it has been produced in accordance with the requirements of Condition 32 below, by 30 September of each year that it is required.
32. The MTRR shall as a minimum include:
- a. An assessment of ongoing compliance with the requirements of the resource consent particularly in relation to any reported non-compliance with consent conditions.
 - b. An assessment of compliance/consistency with any relevant national or regional water quality policies, environmental standards or guidelines in effect at the time.
 - c. An assessment of the results of the Consent Holder's monitoring undertaken in accordance with these consents, including the adequacy and scope of such monitoring.
 - d. A summary of any residual actual or potential adverse effects of the treated wastewater discharge.
 - e. A review of the significant technological changes and advances in relation to wastewater treatment and discharge methods relevant to disposal options as they relate to land disposal from the WWTP treated wastewater and other by-products either since the commencement of these consents or the previous MTRR, whichever is more recent.
 - f. A review of the significant technological changes and advances in relation to wastewater management, inflow and contaminant reduction (including for trade waste management), treatment and discharge that could be of relevance for possible future use in the WWTP and discharge facilities. Specific information shall be included on:
 - (i) Options the Consent Holder has investigated for wastewater reduction and/or reuse and/or alternative discharge options, including Managed Aquifer Recharge and industrial re-use, and any actions taken as a result of those investigations; and
 - (ii) Any discharge volume and/or contaminant inflow reduction that has been achieved as a result of those actions, since the commencement of these consents, when assessed on a per domestic connection equivalent basis, as reported by flow volume monitoring required under condition 16.
 - g. An assessment of whether any newly available technology option/s or combination of options identified through (f) above represent the Best Practicable Option (as defined in the RMA) and or any other relevant legislation to minimise the potential and actual

adverse effects of the treated wastewater discharge and whether the Consent Holder intends to incorporate such technologies, and if not, an explanation as to why not.

Community Liaison Group

33. The Consent Holder shall within six months of the commencement of this consent invite stakeholders including but not limited to Ngai Tai ki Tamaki, the Auckland Regional Public Health Service (add others) to establish a Community Liaison Group (**CLG**). A general invitation shall be made by way of public notice in the Pohutukawa Coast Times (where practicable), and on the Consent Holder's website.
34. The purpose of the CLG shall be to provide a forum to:
 - a. Facilitate communication and dialogue between the Consent Holder, Auckland Council and the community on issues concerning WWTP operation, performance and upgrade works; and
 - b. Facilitate communication and dialogue between the Consent Holder and the community on effects on the community / environment arising from plant operations and on future intentions.
35. The Consent Holder shall use its best endeavours to ensure that formal meetings of the CLG are held at least once annually, and where practicable, within three months of the completion of the Annual Monitoring Report required by Condition 28. The CLG meeting can be cancelled or deferred subject to agreement being obtained from all parties who attended the prior year's CLG meeting or have requested to be invited to all future CLG meetings.
36. The Consent Holder shall provide reasonable organisation and administrative support to facilitate the development and on-going role of this CLG for the duration of the consent.
37. The Consent Holder shall provide an appropriate venue for the CLG meetings a minimum of ten working days prior to the scheduled meeting date and provide the minutes of the CLG meeting to all parties listed above within one month following the CLG meeting.
38. The Consent Holder shall assist the CLG to fulfil its purpose by providing information to the CLG parties on:
 - a. Any concerns and complaints of the local community, aspects of non-compliance and remedial actions or proposals;
 - b. WWTP performance, including an overview of the most recent annual monitoring report and receiving environment monitoring; and
 - c. Updates on issues that have been resolved since the previous CLG meeting.

Review

39. The conditions of this consent may be reviewed by Auckland Council pursuant to section 128 of the Resource Management Act 1991 (RMA), by giving notice pursuant to section 129, on the fifth anniversary of the commencement of these consents and subsequently at intervals of not less than five years thereafter in order to:
 - a. To deal with any adverse effects, which are more than minor, on the environment arising from the exercise of the consent, which was not foreseen at the time the application was considered and which is appropriate to deal with at the time of review, including more than minor adverse effects of the treated wastewater discharge on receiving water quality and

- benthic ecology as identified through the monitoring undertaken in the Receiving Environment Monitoring Plan under Condition 19; and / or,
- b. To alter the monitoring requirements, including requiring further monitoring, or increasing or reducing the frequency of monitoring.

Charges and Access

40. This consent (or any part thereof) shall not commence until such time as the following charges, which are owing at the time Auckland Council's decision is notified have been paid in full:
 - a. All fixed charges relating to the receiving, processing and granting of this resource consent under section 36(1) of the RMA;
 - b. All additional charges imposed under section 36 of the RMA to enable the Council to recover its actual and reasonable costs in respect of this application; and
 - c. All initial consent compliance monitoring charges, plus any further monitoring charges to recover the actual and reasonable costs incurred to ensure compliance with the conditions attached to this consent.
41. The servants or agents of Auckland Council shall be permitted to have access to the relevant parts of the property at all reasonable times for the purpose of carrying out monitoring procedures, inspections, surveys, investigations, tests, measurements or take samples while adhering to the Consent Holder's health and safety policies.