

Auckland Wastewater Network Comprehensive Wastewater Network Discharge Permit

Applicant	Watercare Services Limited
Permit Number	R/REG/2013/3743 (overflows to land and water) R/REG/2013/3755 (overflows to the coastal marine area)
Site Address	<p>This consent covers all discharges throughout the Auckland region from the wastewater network which is under the control and management of Watercare Services Limited, and in particular:</p> <ul style="list-style-type: none"> • Wastewater discharges within the <i>Existing Urban Areas</i> in <i>Auckland</i> (shown in Attachment 1) that are currently serviced by the <i>Existing Network</i> or may be serviced by a <i>Future Network</i>; and • Wastewater discharges within the <i>Indicative Future Urban Areas</i> in <i>Auckland</i> (shown in Attachment 1) that are to be serviced by <i>Future Networks</i>. <p>This consent does not authorise any discharges outside the <i>Existing Urban Area</i> or <i>Indicative Future Urban Area</i> shown in Attachment 1.</p> <p>For the avoidance of doubt, the wastewater network operated by United Water in the Papakura area is not covered by this consent.</p>
Proposal	<p>This consent authorises the discharge of wastewater from the Consent Holder's existing and identified future public wastewater networks to land, freshwater and coastal receiving environments in accordance with section 15(1)(a) and (b) of the Resource Management Act 1991, during times of dry and wet weather flow, that may occur as a result of network blockages and failures; network damage by third parties; failure at pump stations or storage facilities; and capacity constraints.</p> <p>This consent also authorises any wastewater discharges authorised under other resource consents obtained in the future by the Consent Holder or third parties, once transferred to the Consent Holder for inclusion as part of this comprehensive consent.</p> <p>This consent includes planned future growth areas identified in the consent and derived from the Auckland Plan and proposed Unitary Plan (30 September 2013).</p> <p>This consent is for the Consent Holder's <i>Existing Network</i> and <i>Future Network</i> as specified in the Site Location, within the Auckland metropolitan area and including other urban satellite networks.</p>

Conditions

This consent is subject to the following conditions:

Site Access

1. The Consent Holder shall ensure that access to relevant parts of the *Network* is available at all reasonable times to the Auckland Council or its agents for the purpose of carrying out inspections, surveys, investigations, tests, measurements and to take samples.

Documentation

2. Subject to such amendments as may be required by the conditions of this consent, the consent shall be exercised in general accordance with the following documents:
 - a. **Attachment 1:** [Maps of the Existing Network and Indicative Future Urban Areas](#), current in February 2014
 - b. **Attachment 2:** [Schedule of Engineered Overflow Points in the Existing Network](#), current in February 2014
 - c. **Attachment 3:** [Best Practicable Option \(BPO\) Methodology](#)
 - d. **Attachment 4:** [Methodology for Prioritising Catchments and Wastewater Network Improvement Works](#)
 - e. **Attachment 5:** [Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows](#)
 - f. **Attachment 6:** [Matters to be addressed in the Wastewater Network Strategy](#)
 - g. **Attachment 7:** [Operation and Maintenance Procedures for the Conventional \(Gravity\) Wastewater Network](#)
 - h. **Attachment 8:** [The Wastewater Overflow Regional Response Manual](#)
 - i. **Attachment 9:** [Template for the Annual Network Performance Report](#)
 - j. **Attachment 10:** [Definitions](#)
 - k. **Attachment 11:** [Uncontrolled Overflows to Private Property, current in February 2014](#)
 - l. **Attachment 12:** [Auckland-wide Wastewater Network Discharge Consent Application – Generic Assessment of Ecological and Recreational Effects \(NIWA, April 2013\)](#). Note: Attachment is Revised NIWA Report (2015).

Manager's Certification Process

3. The Consent Holder shall obtain *Manager's Certification* for:
 - The Wastewater Network Improvement Works Programme set out in the *Wastewater Network Strategy* (condition 13);
 - The *Wastewater Network Strategy* (condition 23);
 - A *New or Replacement Overflow Point* that does not comply with condition 24; and
 - A *New or Replacement Overflow Point* that does not comply with condition 26.
4. In seeking the *Manager's Certification* required under condition 23, the Consent Holder shall provide sufficient information to demonstrate that:

- a. the *Wastewater Network Strategy* (including the Wastewater Network Improvement Works Programme) has addressed the matters set out in **Attachment 6**;
 - b. the *Wastewater Network Strategy* (including the Wastewater Network Improvement Works Programme) was developed in accordance with the *Best Practicable Option (BPO) Methodology* set out in **Attachment 3**;
 - c. the *Wastewater Network Strategy* (including the Wastewater Network Improvement Works Programme) was prioritised in accordance with the *Methodology for Prioritising Catchments and Wastewater Network Improvement Works* set out in **Attachment 4**;
 - d. any assessment of effects and risk necessary to develop the *Wastewater Network Strategy* (including the Wastewater Network Improvement Works Programme) was undertaken in accordance with the *Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows* set out in **Attachment 5**.
 - e. the *Wastewater Network Strategy* (including the Wastewater Improvement Works Programme) accounts for the specified population scenario and planning horizon set out in the previous Wastewater Network Strategy as updated to include the relevant proposed or operative Unitary Plan zoning, densities and population growth trends.
5. In seeking the *Manager's Certification* required under Conditions 24 and 26 the Consent Holder shall provide sufficient information to demonstrate that:
- a. the receiving environment for the discharges has been identified and classified in accordance with the *Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows* (**Attachment 5**);
 - b. the public health and ecological risk of the discharges has been determined in accordance with the *Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows* (**Attachment 5**);
 - c. the programme of works specifies the performance standards, scope of the works and other measures that define the *Best Practicable Option*, with the likely timing for implementation of the works.
6. For the purpose of conditions 4 and 5 on request of either the *Manager* or the Consent Holder, the Council may appoint an independent reviewer or planning technician to undertake a planning assessment and recommendation report, and may submit a request and any assessment report to an Independent Commissioner for the decision on the issuance of the *Manager's Certification*.

CONSULTATION

General Consultation

7. During the preparation and review of the *Wastewater Network Strategy* (including the Wastewater Improvement Works Programme) that is prepared in accordance with condition 13, the Consent Holder shall *consult* with the parties listed below on the proposed Wastewater Network Improvement Works Programme, the effects of discharges on receiving environments, and how the proposed Wastewater Network Improvement Works are prioritised:
- a. Auckland Council;
 - b. Local Boards;

- c. Auckland Regional Public Health Service;
- d. Other wastewater network utility operators within *Auckland*, where the networks of those operators are directly or indirectly affected, or affect the same receiving environment;
- e. Stormwater network utility operators within *Auckland*.

The Consent Holder shall report back to those parties listed above who engaged in consultation on the outcomes and final form of the *Wastewater Network Strategy*.

Iwi Consultation

8. Prior to and during the preparation and review of the *Wastewater Network Strategy*, including the Wastewater Network Improvement Works Programme, the Consent Holder shall:
 - a. Inform Iwi Authorities with mana whenua interests within *Auckland* of the intention to prepare a *Wastewater Network Strategy* three (3) months prior to commencing the preparation or review, and the timetable and opportunities for these authorities to engage in the preparation of the *Wastewater Network Strategy*.
 - b. Consult with Iwi Authorities with mana whenua interests within *Auckland* over the draft *Wastewater Network Strategy*, including receiving environment classifications, cultural values and all discharges to land and water.
 - c. Report back to Iwi Authorities with mana whenua interests within *Auckland*, and Auckland Council, on the outcomes and final form of the *Wastewater Network Strategy*.

DISCHARGE FREQUENCY

9. The Consent Holder shall manage the *Existing Network* to achieve either:
 - a. an average of no more than two *Wet Weather Overflow Events per Engineered Overflow Point* (as listed in **Attachment 2**) per year as assessed by *computer modelling* or actual recorded performance; or
 - b. if (a) is not achieved for a particular *Engineered Overflow Point*, the Consent Holder shall determine an alternative discharge frequency (ADF) for that *Engineered Overflow Point* using the BPO methodology set out in **Chapter 3 of Attachment 3** and the Methodology Prioritising Catchments and Wastewater Network Improvement Works set out in **Attachment 4** (where condition 10b is used); and document this in the *Wastewater Network Strategy* that is prepared in accordance with condition 13.
10. For the purpose of condition 9b, the Consent Holder may determine an ADF either:
 - a. for an individual *Engineered Overflow Point*; or
 - b. for more than one *Engineered Overflow Point*, and undertake the assessment for discharges that are rated high or very high on a catchment basis. Discharges and/or sub-catchments may be aggregated to allow for the integrated management of multiple sub-catchments and receiving environments.
11. The Consent Holder shall manage the *Existing Network* so that *Dry Weather Overflows* only occur as a result of network failure including breakages, blockages, third party damage and mechanical or power failure at pump stations or storage facilities.

WASTEWATER NETWORK PLANNING

Interim Approach to Wastewater Network Planning

12. Prior to adoption of the first *Wastewater Network Strategy* in 2017, the Consent Holder shall undertake wastewater network planning in accordance with the conditions of this consent and Volumes 2.1 to 2.35 of the Auckland Wastewater Network Application for Comprehensive Discharge Permit and Assessment of Effects on the Environment; on the basis that the works outlined in the Wastewater Network Improvement Works Programme set out in Volume 1, Table 3.3 of the Auckland Wastewater Network Application for Comprehensive Discharge Permit and Assessment of Effects on the Environment are approved as part of this consent.

Wastewater Network Strategy

13. The Consent Holder shall prepare, review and update a *Wastewater Network Strategy* every six years, and implement the Wastewater Network Improvement Works Programme set out in the *Wastewater Network Strategy*.
14. The Consent Holder shall prepare the first *Wastewater Network Strategy* by 30 June 2017.
15. The *Wastewater Network Strategy* shall address the matters set out in **Attachment 6** and conditions 16 to 22.
16. Prior to the 2017 *Wastewater Network Strategy*, the Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows in **Attachment 5** shall be amended to include:
 - a. A Wetland receiving environment type category. This receiving environment type shall be described and assessed using the same principles and approach used for the existing receiving environment types, set out in the Auckland wide Wastewater Network Discharge Consent Application – Generic Assessment of Ecological and Recreational Effects (NIWA, April 2013) in **Attachment 12**.
 - b. An assessment of the potential temporal and spatial cumulative public health and ecological effects of wastewater discharges, using the same principles and approach set out in the Auckland wide Wastewater Network Discharge Consent Application – Generic Assessment of Ecological and Recreational Effects (NIWA, April 2013) in **Attachment 12**.
17. The *Wastewater Network Strategy* shall:
 - a. Address any changes in discharge characteristics (as set out in updates of Schedule 2); and
 - b. In the case of the 2017 *Wastewater Network Strategy*, address any changes in receiving environment classification, including reclassifying all commonly used beaches where contact recreation (bathing) occurs as a *Class 1 Recreational Receiving Environment*.
18. The preparation of the *Wastewater Network Strategy* shall have particular regard to those *Engineered Overflow Points* that have a very high or high public health or ecological risk profile (as established through applying the Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows in **Attachment 5**).
19. When preparing the *Wastewater Network Strategy*, the Consent Holder shall investigate *Engineered Overflow Points* that are known to discharge more than 12 times per year to determine whether there are any appropriate short-term measures to manage conspicuous oil or grease films, scum or foam, or floatable or suspended materials that may be visible at the point of discharge to the environment, and provide

this analysis together with the details and timing of any proposed works with the *Wastewater Network Strategy*.

20. The *Wastewater Network Strategy* population assumptions shall be based on an assessment of future growth taking into account the proposed or operative Unitary Plan zonings, densities and population growth trends.
21. The *Wastewater Network Strategy* shall:
 - a. update the information on discharge frequency, duration and assumed volumes for the *Engineered Overflow Points* in **Attachment 2** so that any BPO assessments that may be necessary are based on the most recent information available;
 - b. comment on the extent to which the Wastewater Network Improvement Works Programme undertaken over the previous six years has resulted in improved compliance with the frequency target in condition 9a;
 - c. comment on the extent to which the Wastewater Network Improvement Works Programme to be undertaken over the next six years is expected to result in compliance with the frequency target in condition 9a.
22. The Wastewater Network Improvement Works Programme set out in the *Wastewater Network Strategy* shall be determined using the *Best Practicable Option (BPO) Methodology* set out in **Chapter 2 of Attachment 3**.
23. The Consent Holder shall provide a copy of the *Wastewater Network Strategy* to the *Manager* and obtain *Manager's* Certification that the Wastewater Network Improvement Works Programme set out in the *Wastewater Network Strategy* has been determined in accordance with the BPO methodology set out in **Chapter 2 of Attachment 3** and following the catchment and wastewater network improvement works prioritisation process set out in **Attachment 4**.

Existing Network

24. The Consent Holder may discharge from any *Replacement Engineered Overflow Point* within the *Existing Network* provided that the discharge frequency remains the same or is less frequent.
25. Where the Consent Holder seeks to undertake works under condition 24, the Consent Holder shall give written notice to the *Manager* as soon as practicable after the *Replacement Engineered Overflow Point* has been commissioned, but prior to the commencement of construction.
26. The Consent Holder may discharge from any *New Engineered Overflow Point* within the *Existing Network* provided that the discharge frequency under condition 9a is satisfied, and the location of the *New Engineered Overflow Point* is not in a *Class 1 Recreational Receiving Environment*.
27. If a *Replacement* or *New Engineered Overflow Point* within the *Existing Network* does not comply with the requirements set out in conditions 24 or 26 respectively, or discharges to a SEA-M1 Area, the Consent Holder shall:
 - a. determine an alternative discharge frequency (ADF) for that *Engineered Overflow Point* using the BPO methodology set out in **Chapter 3 of Attachment 3**; and / or
 - b. determine the location of that *Engineered Overflow Point* using the BPO methodology set out in **Chapter 4 of Attachment 3**.

The work required by the Consent Holder shall depend on whether a new location is proposed, and whether the *Discharge Frequency Targets* are met.

28. No discharge is allowed to a *Tangata Whenua Management Area* as identified in the *Regional Plan: Coastal*, or an equivalent area in the Unitary Plan where discharges are a *Prohibited Activity*.
29. Prior to construction of the *Replacement* or *New Engineered Overflow Point*, or concurrent with the lodgement of other necessary resource consent applications, the Consent Holder shall obtain *Manager's* Certification that the determination of the ADF in accordance with condition 27a and/or the determination of the location of the discharge from the *Replacement* or *New Engineered Overflow Point* in accordance with condition 27b was undertaken in accordance with the BPO methodology set out in **Chapters 3 and/or 4 of Attachment 3**.

Future Network

30. The Consent Holder may discharge from any *New Engineered Overflow Point* which is zoned for urban activity under the relevant Resource Management Act statutory document, and is within a *Future Network* provided that:
 - a. The *New Engineered Overflow Point* is located in the location shown on the relevant map of the *Indicative Future Urban Area* in **Attachment 1** or a *Similar Location*; and
 - b. The *New Engineered Overflow Point* is designed and managed to achieve the discharge frequency set out in condition 9a; and
 - c. A minimum of four (4) hours storage at *Dry Weather Flow* is provided at or near the *New Engineered Overflow Point*.
31. The Consent Holder may discharge from a *New Engineered Overflow Point* in a location within a *Future Network* not identified in **Attachment 1**, but within the *Indicative Future Urban Area* shown in **Attachment 1** if it obtains *Manager's* Certification prior to construction that the discharge meets the following standards:
 - a. The potential overall risk of the discharge is very low or low, as determined through an assessment undertaken in accordance with the Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows (**Attachment 5**); and
 - b. The *New Engineered Overflow Point* is designed to achieve the discharge frequency set out in condition 9a, and
 - c. The location of the *New Engineered Overflow Point* represents the BPO, as assessed using the BPO methodology set out in **Chapter 4 of Attachment 3**; and
 - d. Direct discharges to the *Coastal Marine Area* shall be avoided unless an assessment using the BPO methodology in **Chapter 4 of Attachment 3** demonstrates that this is the most suitable location, taking into account cultural and ecological factors.
32. The Consent Holder shall provide the following to the *Manager* prior to construction of a *New Engineered Overflow Point* in accordance with conditions 30 and 31:
 - a. a site plan showing the proposed pump station and/or formal overflow point location; and
 - b. design drawings or preliminary drawings showing the pump station design configuration and/or formal outfall structure designs.
33. No discharge is allowed to a *Tangata Whenua Management Area* as identified in the *Regional Plan: Coastal*, or an equivalent area in the Unitary Plan where discharges are a *Prohibited Activity*.

34. No *New Engineered Overflow Point* shall be located on private property without the *Manager* receiving written consent from the property owner that they agree to the location of the *Engineered Overflow Point*.

Provisions for Urban Growth and Intensification

35. Upon request from Auckland Council, the Consent Holder shall review any Wastewater Capacity Assessment prepared by an applicant relating to a proposed subdivision, development or rezoning to determine whether any issues with the capacity of the network or scope of this consent arise.

WASTEWATER NETWORK OPERATION

Minimisation of Wastewater Discharges

36. The Consent Holder shall minimise wastewater discharges from the *Network* through undertaking the following activities:
- a. Scheduling planned maintenance of *Engineered Overflow Points* for times of expected *Dry Weather Flow*.
 - b. Continuously monitoring, through telemetry, pump stations (*Type 1 Overflow Points*) that have the potential to overflow wastewater to the environment and have a contributing catchment equivalent population of 100 or more persons.
 - c. Inspecting, maintaining and assessing the condition of *Network* assets, specifically pipelines, pipe bridges, siphons, rising mains, overflow structures, storage facilities and pump stations in general accordance with the Operations and Maintenance Procedures for the Conventional (Gravity) Wastewater Network (Attachment 7).
 - d. Investigating the cause of *Repeat Dry Weather Overflows* and implementing measures to avoid a re-occurrence of similar *Dry Weather Overflows* in the future.
37. The Consent Holder may review and update the Operations and Maintenance Procedures for the Conventional (Gravity) Wastewater Network (Attachment 7) and/or the Wastewater Overflow Regional Response Manual (Attachment 8) as required.
38. The Consent Holder shall, on request, provide a copy of the current Operations and Maintenance Procedures for the Conventional (Gravity) Wastewater Network (Attachment 7) and/or the Wastewater Overflow Regional Response Manual (Attachment 8) to the *Manager*.

Minimisation of Effects of Wastewater Discharges

39. The Consent Holder shall minimise the adverse effects of wastewater discharges from the *Network* by responding to *Wastewater Overflows* in general accordance with the Wastewater Overflow Regional Response Manual provided in **Attachment 8**, and specifically the following requirements:
- a. Appropriately experienced personnel must visit the *Engineered Overflow Point* within 60 minutes of a *Dry Weather Overflow* being reported to the Consent Holder, for 80% of the reported *Dry Weather Overflows*.
 - b. Where numerous *Wet Weather Overflows* and/or numerous *Dry Weather Overflows* occur simultaneously across the *Network*, the visits required under condition 39a shall be prioritised on the basis of the following criteria (in order of importance):
 - i. any public health issues;

- ii. the scale and significance of environmental effects;
 - iii. the consequences of delay, compared to the consequences of visiting other *Engineered Overflow Points* in the *Network*.
40. Any *Dry Weather Overflow* responded to in accordance with condition 39 shall:
- a. Be contained to prevent wastewater from entering water;
 - b. Where this is not possible, the volume of wastewater entering water shall be minimised to the extent practicable;
 - c. Be cleaned up so that all visible residue is removed;
 - d. Be disinfected to prevent people coming into contact with wastewater or wastewater residue.

Discharges to Land

41. The Consent Holder shall manage any *wastewater overflows* to private property in accordance with the procedures set out in the Wastewater Overflow Regional Response Manual in **Attachment 8**.
42. Within six (6) months of the grant of this consent, the Consent Holder shall complete an investigation of the fifteen (15) existing uncontrolled overflows (*Type 3 Overflows*) listed in **Attachment 11** to private property, and prepare a plan of improvement works to address or manage these private property overflows.
43. The 2017 *Wastewater Network Strategy* shall include the prioritisation and improvement works to address any of the fifteen (15) existing uncontrolled overflows (*Type 3 Overflows*) listed in **Attachment 11** to private property that have not been rectified by that time, or describe the approach to managing those overflows to private property.
44. No *New* or *Replacement Engineered Overflow Point* shall be located on private property without the *Manager* receiving written consent from the property owner that they agree to the location of the *Engineered Overflow Point*.

Other Operational Measures

45. The Consent Holder shall notify *Reported Wastewater Overflows* to the Auckland Council and the Auckland Regional Public Health Service in accordance with the timeframes set out in clause 8.2.3 of the Wastewater Overflow Regional Response Manual in **Attachment 8**, and shall respond to the incident in accordance with the processes set out in this Manual, including information updates to the Council.
46. The Consent Holder shall maintain records of *Wastewater Overflows* and make them available, on request, to the *Manager*.

Management of Inflow and Infiltration

47. The Consent Holder shall establish an ongoing programme to investigate the extent of inflow and infiltration within the wastewater network, and identify where specific inflow and infiltration remedial works are likely to reduce wastewater overflows.
48. The Consent Holder shall undertake specific inflow and infiltration remedial works identified through the wastewater network inflow and infiltration programme required under condition 47 within two years of the need for the specific remedial works being identified.
49. The Annual Network Performance Report required under condition 57 shall include reporting on the wastewater network inflow and infiltration programme and any specific remedial works.

Erosion Protection

50. The Consent Holder shall ensure that all *Type 1 Engineered Overflow Points* and their associated structures, where a discharge may cause scouring, incorporate operational erosion control measures.
51. The overflow structures associated with *Type 1 engineered overflow points* shall be inspected in accordance with the procedures set out in the Operation and Maintenance Procedures for the Conventional (Gravity) Wastewater Network (Attachment 7).
52. Following the inspection undertaken in accordance with condition 51, the Consent Holder shall undertake any necessary remediation works to ensure bank erosion and bed scour effects from overflows are minimised.
53. The Consent Holder shall make records relating to inspections undertaken in accordance with condition 51 available to the *Manager* upon request.

MONITORING AND REPORTING

Wastewater Network Performance

54. The Consent Holder shall ensure that the performance of the *Network* is monitored in accordance with condition 36b and provide the relevant records to the *Manager* upon request.
55. The Consent Holder shall give written notice to the *Manager* as soon as practicable after a *New Engineered Overflow Point* has been commissioned, but prior to the commencement of construction.
56. The Consent Holder shall, on an annual basis, update the Schedule of Engineered Overflow Points (Attachment 2) to identify the following:
 - a. Any further *Engineered Overflow Points* identified by the Consent Holder within the *Existing Network* not already listed in **Attachment 2**. Once identified, these further *Engineered Overflow Points* become subject to this consent;
 - b. Any *Engineered Overflow Points* that have been *decommissioned* and are no longer subject to this consent and are therefore to be deleted;
 - c. Any *New Engineered Overflow Points* within the *Existing Network* authorised under conditions 24, 26 or 27;
 - d. Any *New Engineered Overflow Points* within a *Future Network* authorised under conditions 30 or 31.
 - e. Any *Engineered Overflow Points* previously authorised by another consent that has been included in this comprehensive discharge permit.
57. The Consent Holder shall provide an Annual Wastewater Network Performance Report to the *Manager* on 30 September of each year. This report shall provide the information specified in the Template for the Annual Network Performance Report (Attachment 9), and include the annually updated version of **Attachment 2**.

Recreational and Ecological Effects

58. The Consent Holder shall undertake a targeted monitoring programme with the objective of confirming that the application of the Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows in **Attachment 5** results in an appropriate assessment of recreational, public health and ecological effects.

59. The Consent Holder shall, within 12 months of this consent being granted, provide an outline monitoring plan setting out the scope, methodology, and timing of the proposed targeted monitoring programme to the satisfaction of the *Manager* for approval.
60. On request of either the *Manager* or the Consent Holder, the Council may appoint an independent expert reviewer to undertake an assessment of the appropriateness of the outline monitoring plan.
61. The scope, methodology, and timing shall include:
 - a. A methodology for collecting appropriate data on wastewater overflows, their characteristics and the changes (if any) caused in identified receiving environments.
 - b. A methodology for analysing the data collected to ensure that the results are capable of achieving the targeted monitoring programme's objective.
 - c. A description of how the monitoring design will take account of and integrate data from existing monitoring programmes undertaken by third parties (if any) to support spatial and temporal trend analysis and assessing the influence of other factors (not related to wastewater overflows).
 - d. The expected timeframe over which the monitoring programme will be undertaken to achieve its objective, which must be a minimum of three years duration but not exceeding five years duration.
62. Following the conclusion of the targeted monitoring programme required under condition 58, the Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows in **Attachment 5** shall be revised (if necessary) to reflect the increased accuracy derived from the collected and analysed data.
63. The status of the targeted monitoring programme shall be reported in the Annual Network Performance Report required under condition 57.

Telemetry Monitoring Devices

64. The Consent Holder shall install telemetry devices for *Type 1 Overflow Points* in accordance with condition 36b) to measure occurrence, frequency and duration of overflows by February 2016, to enable the monitoring results to inform the 2017 *Wastewater Network Strategy* and subsequent reviews of the *Wastewater Network Strategy*.

INFORMATION

Provision of Information to the Public

65. The Consent Holder shall make the following information publicly available and update this information when necessary:
 - a. General information on the wastewater network and material about undertaking works in the vicinity of wastewater pipes, to help prevent accidental damage that could result in wastewater discharges.
 - b. Information about wastewater and stormwater drainage, and the need and reasons for ensuring that service connections on properties drain into the appropriate system, including advice for property owners on how this can be achieved.
 - c. General information for private property owners who believe they may have cross connections about how they can test for this and rectify it.

- d. Information about the general function and operation of the wastewater network, including information about the nature of wet weather wastewater overflows and information directed at raising awareness about the potential effects on the receiving environment.
 - e. Information about the location of *Engineered Overflow Points* that are known to discharge at high volume more than 12 times per year, and the risk of contact recreation at these locations following periods of heavy rain.
66. The Annual Network Performance Report required under condition 57 shall include an overview of the information provided, including whether any updates have occurred and how the information was made available.

REVIEW

67. The Auckland Council may review the conditions of this consent pursuant to section 128 of the RMA, by giving notice pursuant to section 129 of the RMA, five years after commencement of this consent, and thereafter not more frequently than five years, in order to deal with any significant adverse effect on the environment that may arise from the exercise of the consent and that was not apparent at the time of the granting of the consent, or to enable water quality standards set by a rule in an operative Unitary Plan to be met.
68. Auckland Council may, every 12 months after the date of the commencement of this consent, serve notice on the Consent Holder under section 128(1)(a)(i) and/or (iii) of the RMA to review the conditions of this consent, to ensure the conditions of this consent adequately address any adverse effects that are the subject of specific conditions in either a privately held consent within the Existing or Future Network that has been transferred to the Consent Holder, or other resource consents obtained by the Consent Holder that the Consent Holder wishes to include as part of this Comprehensive Wastewater Network Discharge Permit.

ADMINISTRATIVE CHARGES

69. The consent holder shall pay the Council's full and reasonable costs in carrying out its functions in terms of certification and monitoring under this consent. The consent holder shall pay the appropriate Council time charge for professional and management staff involved in exercising the functions under this consent.

LIST OF ATTACHMENTS

Attachment 1: Maps of the Existing Network and Indicative Future Urban Areas, current in February 2014

Attachment 2: Schedule of Engineered Overflow Points in the Existing Network, current in February 2014

Attachment 3: Best Practicable Option (BPO) Methodology

Attachment 4: Methodology for Prioritising Catchments and Wastewater Network Improvement Works

Attachment 5: Methodology for the Assessment of Effects of Wet Weather Wastewater Overflows

Attachment 6: Matters to be addressed in the Wastewater Network Strategy

Attachment 7: Operation and Maintenance Procedures for the Conventional (Gravity) Wastewater Network

Attachment 8: The Wastewater Overflow Regional Response Manual

Attachment 9: Template for the Annual Network Performance Report

Attachment 10: Definitions

Attachment 11: Uncontrolled Overflows to Private Property, current in February 2014

Attachment 12: Auckland-wide Wastewater Network Discharge Consent Application – Generic Assessment of Ecological and Recreational Effects (NIWA, April 2013)