

Resource Consent Certificate

Resource Consent: AUTHxxxx

File Number:

Pursuant to the Resource Management Act 1991, the Waikato Regional Council hereby grants consent to:

Fonterra Limited (Te Rapa Site)
P O Box 10397
TE RAPA 2035

(hereinafter referred to as the Consent Holder)

Consent Type: Water permit

Consent Subtype: Surface water take

Activity authorised: Take water from the Waikato River for dairy manufacturing, electricity generation, industrial, and related activities, and domestic use.

Location: Fonterra Te Rapa Dairy Manufacturing Site, Te Rapa Road, Te Rapa

Spatial Reference: NZTM 1795600 E 5823500 N

Consent Duration: This consent will commence when the time for lodging appeals against the grant of consent has expired, or when all appeals have been withdrawn or determined, unless otherwise stated in the consent's conditions, and expire on xxx **[35 years]**

Subject to the conditions overleaf:

CONDITIONS

Definitions

For the purposes of this consent, the following definitions apply.

Term	Definition
Council	Waikato Regional Council
Initial period	A period of time not less than 12 months, beginning on the date the consent commences and ending on the first 30 th June after that 12 month period
Subsequent period	A period of time commencing 1 day after expiry of the Initial Period and ending on expiry of the consent
Year, yearly, annual, annually, annum, dairy season	Shall all be the period of the dairy season being from 1 July of one year to 30 June of the following year, inclusive.

General

1. Except as specifically provided for by other conditions of this consent, all activities to which this consent relates shall be undertaken generally in accordance with the information contained in the application for this consent including: "xxx" prepared by Mitchell Daysh Ltd, dated xxx, WRC ref xxx; and further documentation and correspondence submitted in support of the application, as follows:

- **Xxx list any further documentation that arises through the consent processing**

Where there is any disagreement between the application documentation and resource consent conditions, the resource consent conditions below shall prevail.

Performance Standards

2. The maximum instantaneous take rate shall not exceed 500 litres per second.
3. Within the initial period the take volume shall not exceed 28,000 cubic metres per day.
4. During the subsequent period the take volume shall not exceed 28,000 cubic metres per day during any 24 hour period measured on a rolling 1 hourly basis.
5. During the subsequent period the net take volume during any 24 hour period on a rolling 1 hourly basis shall not exceed a consumptive take of 6,000 cubic metres.

For the purposes of this resource consent, the net take volume during any 24 hour period on a rolling 1 hourly basis is calculated as the take volume during any 24 hour period on a rolling 1 hourly basis pursuant to this consent less the discharge volume

to the Waikato River during the same 24 hour period on a rolling 1 hourly basis pursuant to resource consent **xxx**. Synchronous values must be used to calculate the net take volume. A consumptive take is when the take volume exceeds the discharge volume.

6. When the Waikato River 7–day rolling average flow at Hamilton City (Waikato Regional Council site number **XXXX.XX**, Map Reference NZTM **xxxxxxxE xxxxxxxN**) (hereinafter referred to as “**XXXX.XX**”), as determined by the Council, is less than the **xx.xx** cubic metres per second minimum flow for 240 or more consecutive hours, the net take volume, specified in **condition 5**, during any 24 hour period measured on a rolling 1 hourly basis when averaged over any two consecutive days, shall not exceed 5,100 cubic metres
7. Condition 5 shall be superseded by **condition 6** immediately upon the Council giving written notification to the consent holder of the revised minimum flow for the Waikato River at **XXXX.XX**. For the purposes of this resource consent the revised minimum flow is 90 percent of the revised Q5 for the Waikato River at **XXXX.XX** calculated by the Council.
8. A water measuring system shall quantify water taken from the take location on a continuous basis. The system shall have a reliable calibration to water flow and shall be maintained to an accuracy of +/- 5%. Within one month of the commencement of this resource consent, the consent holder shall, provide evidence of the water measuring system’s calibration to an accuracy of +/- 5% to the Council.
9. Additional calibration of the water measuring system shall be undertaken by the consent holder:
 - (i) at the written request of the Council; and
 - (ii) at a frequency of no less than five yearly from the date of the first calibration required by **condition 8**.Evidence documenting each respective additional calibration shall be forwarded to the Council within one month of the calibration being completed.
10. During the initial period the consent holder shall maintain an electronic record or equivalent recording system acceptable to the Council (“record”) of:
 - (i) maximum instantaneous take rate in the day (24 hours);
 - (ii) daily take volume;
 - (iii) daily discharge volume to the Waikato River pursuant to resource consent **XXXXX**;
 - (iv) calculated daily net take volume
11. The record required pursuant to **condition 10** shall:
 - (i) Specify zero values for instantaneous take rate, take volume and calculated net take volume when no water is being taken;
 - (ii) Contain information that is suitable for auditing compliance with conditions **2, 3, 4, and 5**;
 - (iii) Be reported to the Council via email within the first 10 working days of each month for the preceding month.
12. During the subsequent period the consent holder shall telemeter – via a telemetry system developed after liaison with the Council to ensure that the telemetry system is compatible with the Council’s telemetry system standards and data protocols – continuous 15 minute values of:
 - (i) take volume (in units of cubic metres);

- (ii) discharge volume to the Waikato River pursuant to resource consent **XXXXXX** (in units of cubic metres)
- (iii) calculated net take volume (in units of cubic metres)

The data shall be reported once daily to the Council via the telemetry system. For data (i), (ii), and (iii) there shall be 96 values, respectively, per daily report. When no water is being taken the data must specify the take volume as zero.

- 13. On an annual basis, the consent holder shall ensure that the data required pursuant to **condition 18** is reported to the Council at least 95% of the time.

Intake Screen

- 14. The consent holder shall ensure that the velocity of water through the intake screen does not exceed 0.15 metres per second at all times. If requested by the Council, the consent holder shall provide information to demonstrate how this requirement is being achieved.
- 15. The intake screen shall be screened with a maximum slot opening width 3 mm and a maximum slot length of 19 mm.

Advice note: Compliance with **condition 14** can be verified by knowing the physical screen size, the open aperture area of the screen and the maximum instantaneous water take rate.

Non-Compliance

- 16. The consent holder shall notify the Council as soon as practicable, and as a minimum requirement within 24 hours, of the consent holder becoming aware of any:
 - (i) Non-compliance with any condition of this resource consent;
 - (ii) Incident or circumstances which are likely to result in non-compliance with any condition of this resource consent.
- 17. The consent holder shall, within 7 days of any non-compliance, incident or circumstances contemplated by **condition 16** occurring, provide a written report to the Council that identifies:
 - (i) Any non-compliance, incident or circumstances;
 - (ii) Possible causes of any non-compliance, incident or circumstances;
 - (iii) Steps undertaken to remedy the effects of any non-compliance, incident or circumstances; and
 - (iv) Measures that will be undertaken to ensure any non-compliance, incident or circumstances do not occur in future.

Reporting

- 18. The consent holder shall identify and review options to reduce both the volume of water taken and the net volume of water taken from the Waikato River. The results of said review(s) shall be documented in a written report and provided to the Council by 1 July every 5 years commencing 2022.
- 19. The consent holder shall compile a monitoring report for the activities authorised by this consent and forward that report to the Council by 30 September of each year. As a minimum the report shall summarise all the data collected as required under the conditions of this consent, and discuss any trends or changes in environmental effects

evident from the monitoring data, both within the annual period and compared to previous years.

Review

20. The Council may at any time during the years 2022, 2027, 2032, 2037, 2042, and 2047 serve notice on the consent holder under section 128(1) of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes:

- (i) To review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the environment and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; or
- (ii) To review the adequacy of and the necessity for monitoring undertaken by the consent holder
- (iii) To review the flows and rates of use, if, since the grant of consent, a regional plan has been made operative that sets maximum or minimum levels or flows or rates of use of, and if the Council considers it appropriate to review the conditions of this resource consent in order to enable the levels, flows or rates, to be met.

Resource Consent Certificate

Resource Consent: AUTHXXXX

File Number: XXXX

Pursuant to the Resource Management Act 1991, the Waikato Regional Council hereby grants consent to:

Fonterra Limited (Te Rapa Site)
P O Box 10397
TE RAPA 2035

(hereinafter referred to as the Consent Holder)

Consent Type: Discharge permit

Consent Subtype: Discharge to water

Activity authorised: Discharge treated process wastewater, condensate, cooling water, and other wastewater associated with the manufacture of dairy products at the Te Rapa site and stormwater both to land (in circumstances where it may enter groundwater) and to the Waikato River

Location: Fonterra Te Rapa Dairy Manufacturing Site, Te Rapa Road, Te Rapa

Spatial Reference: NZTM 1795500 E 5823800 N

Consent Duration: This consent will commence when the time for lodging appeals against the grant of consent has expired, or when all appeals have been withdrawn or determined, unless otherwise stated in the consent's conditions, and expire on xxx **[35 years]**

Subject to the conditions overleaf:

CONDITIONS

Definitions

For the purposes of this consent, the following definitions apply.

Term	Definition
cBOD ₅	5-day carbonaceous biochemical oxygen demand
Certified (or Certification)	In relation to a Management Plan or Monitoring Plan: means that the Council has certified that the Management Plan or Monitoring Plan contains all information specified in the relevant condition(s) and that the Management Plan or Monitoring Plan meets all the requirements set out in the conditions of the resource consent.
Combined discharge	Discharge to the Waikato River including treated dairy manufacturing wastewater from the wastewater treatment plant and stormwater, condensate, cooling water, and other low strength wastewater discharges
Continuous monitoring	The collection of data shall be based on a datapoint being collected at a frequency of at least once per 60 seconds and reported as the average value over 60 minutes.
Council	Waikato Regional Council
E.coli	Escherichia coli concentration (cfu per 100 mL)
g/m ³	grams per cubic metre
kg/day	kilograms per day
median value	The value or quantity lying at the midpoint of observed values or quantities, the value of which 50% of the values are greater than the specified performance standard and 50% are less than the specified performance standard.
Monitoring Sites	<p>The location of monitoring sites shall be defined as the locations specified:</p> <p>Site 1: Upstream US500 5823323N, 1795742E Site 2: Upstream US250 5823760N, 1795483E Site 3: Downstream DS20 5823800N, 1795468E Site 4: Downstream DS100 5823853N, 1795450E Site 5: Downstream DS200 5823981N, 1795441E Site 6: Downstream DS400 5824156N, 1795418E</p> <p>These are shown on the attached figure xxx. The zone of reasonable mixing is from the point of discharge to monitoring site 5.</p>
Year, yearly, annual, annually, annum, dairy season	Shall all be the period of the dairy season being from 1 July of one year to 30 June of the following year, inclusive.
90 th percentile	Represents the value for which 90% of the data points are less than the specified performance standard

General

1. Except as specifically provided for by other conditions of this consent, all activities to which this consent relates shall be undertaken generally in accordance with the information contained in the application for this consent including: "xxx" prepared by Mitchell Daysh Ltd, dated xxx, WRC ref xxx; and further documentation and correspondence submitted in support of the application, as follows:

- **Xxx list any further documentation that arises through the consent processing**

Where there is any disagreement between the application documentation and resource consent conditions the resource consent conditions below shall prevail.

Exceptional Circumstances

2. Any breach of the combined discharge against the performance standards specified in condition 4, 5 and 6 caused by the characteristics of the river water abstracted by the Te Rapa site under consent xxxxxx or because of a rainfall event shall not constitute a non-compliance. Provided that for this exception to apply, the consent holder must notify the Council in writing of its intention to rely on this exception and must provide relevant information and data demonstrating the cause of the breach is related to one of the two specified exceptions, to Council's satisfaction.

Performance Standards

3. The consent holder shall at all times operate, maintain, supervise, monitor and control the wastewater treatment plant and ancillary activities so that the discharges to the Waikato River, authorised by this consent, are maintained at the minimum practicable level.
4. The discharge of treated process wastewater discharged from the biological wastewater treatment plant shall not exceed the following limits:
 - (i) 175 litres per second
 - (ii) 10,000 cubic metres per day.
5. The combined discharge to the Waikato River shall not exceed the following limits:
 - (i) 35,000 cubic metres per day
6. The combined discharge as monitored in accordance with condition 8 shall comply with the following performance standards.
 - A. Within a period of not less than 3 years, beginning on the date the consent commences and ending on the first 30th June after that 3 year period
 - (i) pH shall not fall outside the range of 6 to 9 pH units.
 - (ii) Temperature shall not exceed 40 degrees Celsius.
 - (iii) The combined discharge after reasonable mixing shall not produce any conspicuous oil or grease films, scums, foams or floatable materials, or cause any conspicuous change in the colour or clarity, in the Waikato River.
 - (iv) The combined discharge contaminant concentrations and loads shall not exceed the following limits, calculated over each dairy season.

Parameter	Median	90 percentile
cBOD ₅ load (kg/day)	40.0	80.0
Suspended solids load (kg/day)	100.0	250.0
Total nitrogen load (kg/day)	35.0	60.0
Total phosphorus load (kg/day)	30.0	42.0
Ammoniacal nitrogen concentration (g/m ³)	0.5	1.5
Nitrate-nitrogen concentration (g/m ³)	1.0	2.5

Advice Note: The performance standards shall not end part way through a dairy season therefore if the 3 year period expires before the 30 June the performance standards shall apply up until the next 30 June and performance standards specified in condition 7B shall then apply from 1 July.

B. For a period of 3 years, commencing on the first 1 July following expiry of the period in condition 6A:

- (i) pH shall not fall outside the range of 6 to 9 pH units.
- (ii) Temperature shall not exceed 40 degrees Celsius
- (iii) The combined discharge after reasonable mixing shall not produce any conspicuous oil or grease films, scums, foams or floatable materials, or cause any conspicuous change in the colour or clarity, in the Waikato River.
- (iv) The combined discharge contaminant concentrations and loads shall not exceed the following limits, calculated over each dairy season.

Parameter	Median	90 percentile
cBOD ₅ load (kg/day)	40.0	80.0
Suspended solids load (kg/day)	100.0	250.0
Total nitrogen load (kg/day)	35.0	60.0
Total phosphorus load (kg/day)	20.0	40.0
Ammoniacal nitrogen concentration (g/m ³)	0.5	1.5
Nitrate nitrogen concentration (g/m ³)	1.0	2.5

C. Commencing on the first 1 July following expiry of the period in condition 6B:

- (i) pH shall not fall outside the range of 6 to 9 pH units.
- (ii) Temperature shall not exceed 40 degrees Celsius

- (iii) The combined discharge after reasonable mixing shall not produce any conspicuous oil or grease films, scums, foams or floatable materials, or cause any conspicuous change in the colour or clarity, in the Waikato River.
- (iv) The combined discharge contaminant concentrations and loads shall not exceed the following limits, calculated over each dairy season, unless otherwise specified.

Parameter	Median	90 percentile
cBOD ₅ load (kg/day)	40.0	80.0
Suspended solids load (kg/day)	100.0	250.0
Total nitrogen load (kg/day)	35.0	60.0
Total phosphorus load (kg/day)	10.0	20.0
Ammoniacal nitrogen concentration (g/m ³)	0.5	1.5
Nitrate nitrogen concentration (g/m ³)	1.0	2.5

- (v) The E.coli concentration, calculated over each dairy season, of the treated process wastewater discharged from the biological wastewater treatment plant shall not exceed an annual median 126 cfu/100mL

Monitoring

7. The consent holder shall maintain and operate a discharge flow measurement device, with an accuracy of measurement of +/- 10%, to monitor the rate of discharge (litres per second) and the daily discharge volume (cubic metres per day) of treated process wastewater from the biological wastewater treatment plant and the combined discharge to the Waikato River.
8. The consent holder shall characterise the quality, quantity and variability of the discharge. To this end, the consent holder shall, unless otherwise agreed to in writing by the Council, characterise the discharge streams for the following parameters: (All samples shall be on a 24 hour flow proportional basis unless otherwise stated)

a. Combined discharge

Continuous:

Temperature (degrees Celsius)
 pH
 Conductivity (micro-siemens per centimetre)
 Turbidity (NTU)
 Discharge flow rate (Litres per second)

Daily:

Volume (cubic metres per day)
 Chemical oxygen demand COD (g/m³)
 pH

Weekly:

For the parameters identified below the sample shall be from an aliquot of the daily 24 hour composite composited on a weekly basis.
 Suspended solids (g/m³)
 Total Kjeldahl nitrogen (g/m³)
 Nitrate-nitrogen (g/m³)
 Nitrite-nitrogen (g/m³)

Ammonium-Nitrogen (g/m³)
Total nitrogen (g/m³) (by calculation)
Total phosphorus (g/m³)
Dissolved reactive phosphorus (g/m³)

Weekly: Escherichia coli (cfu per 100 mL) (grab sample)
cBOD₅ (g/m³) (from a 24 hour composite sample once per week).

b. Wastewater treatment plant clarifier discharge

Daily Volume (cubic metres per day)

Weekly Escherichia coli (cfu per 100 mL) (grab sample)

Advice Note: The wastewater treatment plant clarifier daily discharge volume shall be determined by calculation until the performance standard specified in condition 6C apply and after this date the discharge shall be measured by a flow measurement device in accordance with condition 7.

9. All sample methods of analysis shall be as detailed in the most recent edition of "Standard Methods for the Examination of Water and Waste Water", by APHA and AWWA and WCF or by some other method, approved in advance by the Council.

Monitoring and Management Plan

10. The Consent Holder shall provide to the Council a copy of all Management and Monitoring Plans required by this consent by the dates specified in **conditions 11 and 12**. Any revision of those Management and/or Monitoring Plans shall be forwarded to the Council.

Except where the Council provides notice in writing that it refuses to certify a Management and/or Monitoring Plan, then should certification not be provided within 20 working days, the consent holder shall regard the relevant Management and/or Monitoring Plans as being deemed to have been certified.

Subject to any other conditions of this consent all Management and/or Monitoring Plans shall be implemented and all activities shall be undertaken in accordance with the latest version of the Management and/or Monitoring Plan certified by the Council.

Any amendment to a certified Management and/or Monitoring Plan will require further certification from the Council.

11. The consent holder shall prepare a 'Management Plan for Discharge to Water' (MPDW) for all aspects of the management of the combined discharge. The MPDW shall be prepared by a suitably qualified and experienced person(s). The objective of the MPDW is to document how the wastewater and stormwater systems will be operated and managed to ensure compliance with the conditions of this consent and shall include at least the following matters:

- (i) The roles and responsibilities of those persons responsible for the operation, monitoring and maintenance of the wastewater treatment facility and their contact details
- (ii) Contingency procedures to be followed, including but not limited to, in the event of a breakdown, shut-down or emergency, for both the wastewater and stormwater systems
- (iii) Procedures and precautions to prevent emission of objectionable odours and procedures to mitigate objectionable odours if they occur
- (iv) Procedures for the compositing of the weekly combined wastewater aliquot from the daily 24 hour composite samples and the preservative of the aliquot.
- (v) Provisions for the identification and labelling of wastewater and clean water drains
- (vi) Measures to ensure that the permitted daily load of contaminants in the discharge are not exceeded

The MPDW shall be forwarded to the Council for its certification within 3 months of the commencement of consent and within 6 months of the performance standards specified in conditions 6B and 6C applying. The consent holder shall review (and update if necessary) the MPDW at a frequency to reflect actual site management practices but at least once every two years.

12. Within 12 months of the commencement of this consent, or any longer period required to finalise the mātauranga Māori methodology, and as agreed to with Council, the consent holder shall retain a suitably qualified and experienced person(s) to compile a Waikato River Environmental Monitoring Plan (WREMP) for the purpose of characterising the effect of all discharges and water abstraction associated with its operations on the water quality and aquatic biota of the Waikato River. The WREMP shall be undertaken giving consideration to both mātauranga Māori and scientific methods. The WREMP shall be to the satisfaction of the Council.

To define the water quality, the WREMP shall include at least the following determinants:

- (i) Biochemical Oxygen Demand
- (ii) Dissolved Oxygen
- (iii) pH
- (iv) Suspended solids
- (v) Turbidity
- (vi) Colour and clarity
- (vii) Temperature
- (viii) Nitrogen
- (ix) Phosphorus
- (x) E.coli

Note: Water quality sampling shall be undertaken using 'continuous' monitoring devices for dissolved oxygen, temperature and pH over a period of at least 1 week. Other parameters can be via grab sampling.

For the aquatic biota, the WREMP shall include at least studies of:

- a. Freshwater invertebrates (a plan should be developed for Council approval and include taxonomic QC as outlined by Mfe protocol QC2) and
- b. Aquatic plants and algae, and the potential effects of the Te Rapa sites operations including water abstraction and discharges on growth.

Advice note: The methodology of the mātauranga Māori-based assessment shall be determined following consultation with the Turangawaewae Trust Board. If this methodology has not been determined within the initial 12 month period, the consent holder shall develop an initial WREMP and submit that for Council's certification, and when the mātauranga Māori assessment has been agreed, an updated WREMP shall be submitted to Council.

13. The consent holder shall undertake a survey of the water quality and aquatic biota of the Waikato River in accordance with the WREMP. The surveys shall be undertaken to the following timeframes to enable a comparison of the Waikato River water quality associated with the staged improvements in discharge characteristics as specified in **condition 6**:
 - a. Within 2 years of the granting of this consent; and
 - b. Thereafter at least once every 5 years.

The surveys can be discontinued following the performance standards specified in condition 6C applying and two consecutive Waikato River water quality and aquatic biota surveys having been completed if the survey results, as assessed by Council, show a less than minor effect as a result of the Te Rapa site discharges to the Waikato River.

The results of each Waikato River water quality and aquatic biota survey shall be documented to the satisfaction of the Council.

14. The consent holder shall within 1 month of receipt of the report required by condition 13 forward to the Council and the Turangawaewae Trust Board a copy of the report(s) evaluating the effects of the Te Rapa sites discharges and water abstraction on the water quality and aquatic biota of the Waikato River.

Non-Compliance and Complaints

15. The consent holder shall notify the Council as soon as practicable, and as a minimum requirement within 24 hours, of the consent holder becoming aware of the limits and performance standards specified in this resource consent being exceeded and/or of any plant breakdown or other circumstances which are likely to result in the limits and performance standards of this resource consent being exceeded. The consent holder shall, within 7 days of the incident occurring, provide a written report to the Council, identifying the exceedance, possible causes, steps undertaken to remedy the effects of the incident and measures that will be undertaken to ensure future compliance.
16. The consent holder shall maintain a log of all complaints (including those received via third parties including the Council) regarding the combined discharge to the Waikato River. The consent holder shall notify the Council of each complaint as soon as practicable. The consent holder shall record the following details in a complaint log.
 - (a) Time and type of complaint including details of the incident, e.g. duration, location and any effects noted;
 - (b) Name, address and contact phone number of the complainant (if provided);
 - (c) Where practicable, the weather conditions including wind direction at the time of the incident;
 - (d) The likely cause of the complaint and the response made by the consent holder including any corrective action undertaken if applicable;
 - (e) Future actions proposed as a result of the complaint, if applicable; and
 - (f) The response from the consent holder to the complainant

The complaint log shall be made available to the Council at all reasonable times and a summary of the complaints received shall be forwarded to the Council annually in accordance with **Condition 19**.

Nitrogen Reduction Continual Improvement

17. The consent holder shall retain a suitably qualified and experienced person(s) to undertake a review of best practicable options to achieve a reduction of nitrogen discharged from the site operations to the Waikato River, including but not limited to the following:
 - (i) The source and characterisation of nitrogen within all processing streams that contribute to the combined discharge;
 - (ii) The performance and operation of the Te Rapa site treatment systems to remove and/or denitrify the nitrogen from the wastewater compared against best practice wastewater treatment systems for similar industries;
 - (iii) The cost to implement the best practicable options including a comparison against offset mitigation measures expressed as dollar investment required per kilogram nitrogen removed.

The outcome of the review shall be a documented report that includes a recommendation(s) that the consent holder shall provide to the Council by 28 February 2032.

Reporting

18. On a monthly basis the consent holder shall prepare and forward to Council a report on the monitoring results required under this consent..
19. The consent holder shall compile an annual monitoring report for the activities authorised by this consent and forward that report to the Council by 30 September each year. As a minimum the report shall:
 - (i) Summarise all the monitoring data collected as required under the conditions of this consent and critically analyse the information in terms of compliance and environmental effects;
 - (ii) Report and discuss any operational changes or improvements undertaken at the Te Rapa site that would result in a significant variation in the volume or characteristics of the discharge;
 - (iii) Highlight and discuss important environmental trends relevant to the discharge;
 - (iv) Make recommendations on alterations/additions to the monitoring programme;
 - (v) Report and discuss feedback received from any community liaison activities, related to the water abstraction and discharges to the Waikato River;
 - (vi) Compare the results obtained with those of previous years.
 - (vii) Include a summary of the complaints received.

The consent holder shall if requested also provide a copy of the annual monitoring report to Turangawaewae Trust Board and any other parties.

Review

20. The Council may during 2022, 2027, 2032, 2037, 2042, and 2047 serve notice on the consent holder under section 128(1) of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes:
 - (i) To review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the environment and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; or
 - (ii) If necessary and appropriate, to require the holder of the consent to adopt the best practicable option to remove or reduce adverse effects on the surrounding environment; or
 - (iii) To review the adequacy of and the necessity for monitoring undertaken by the consent holder.

Resource Consent Certificate

Resource Consent: AUTHXXXX

File Number: XXXX

Pursuant to the Resource Management Act 1991, the Waikato Regional Council hereby grants consent to:

Fonterra Limited (Te Rapa Site)
P O Box 10397
TE RAPA 2035

(hereinafter referred to as the Consent Holder)

Consent Type: Discharge permit

Consent Subtype: Discharge to water

Activity authorised: Discharge stormwater to an unnamed tributary of the Waikato River.

Location: Fonterra Te Rapa Dairy Manufacturing Site, Te Rapa Road, Te Rapa

Spatial Reference: NZTM 1795500 E 5823800 N

Consent Duration: This consent will commence when the time for lodging appeals against the grant of consent has expired, or when all appeals have been withdrawn or determined, unless otherwise stated in the consent's conditions, and expire on xxx **[35 years]**

Subject to the conditions overleaf:

5. All sample methods of analysis shall be as detailed in the most recent edition of “Standard Methods for the Examination of Water and Waste Water”, by APHA and AWWA and WCF or by some other method, approved in advance by the Council.

Reporting

6. The consent holder shall compile an annual monitoring report for the activities authorised by this consent and forward that report to the Council by 30 September each year. As a minimum the report shall summarise all the monitoring data collected as required under the conditions of this consent and critically analyse the information in terms of compliance and environmental effects.

Review

7. The Council may during 2022, 2027, 2032, 2037, 2042, and 2047 serve notice on the consent holder under section 128(1) of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes:
 - (i) To review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects of flooding on downstream properties and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; or
 - (ii) If necessary and appropriate, to require the holder of the consent to adopt the best practicable option to remove or reduce adverse effects of flooding on downstream properties from the exercise of this consent; or
 - (iii) To review the adequacy of and the necessity for monitoring undertaken by the consent holder.

Resource Consent Certificate

Resource Consent: AUTHxxxx

File Number:

Pursuant to the Resource Management Act 1991, the Waikato Regional Council hereby grants consent to:

Fonterra Limited (Te Rapa Site)
P O Box 10397
TE RAPA 2035

(hereinafter referred to as the Consent Holder)

Consent Type:

Consent Subtype:

Activity authorised: Dam and divert water within the site's land-based wastewater treatment system (including dairy factory wastewater, cooling water, and stormwater).

Location: Fonterra Te Rapa Dairy Manufacturing Site, Te Rapa Road, Te Rapa

Spatial Reference: NZTM 1795600 E 5823500 N

Consent Duration: This consent will commence when the time for lodging appeals against the grant of consent has expired, or when all appeals have been withdrawn or determined, unless otherwise stated in the consent's conditions, and expire on xxx **[35 years]**

Subject to the conditions overleaf:

CONDITIONS

Definitions

For the purposes of this consent, the following definitions apply.

Term	Definition
Council	Waikato Regional Council
Year, yearly, annual, annually, annum, dairy season	Shall all be the period of the dairy season being from 1 July of one year to 30 June of the following year, inclusive.

General

1. Except as specifically provided for by other conditions of this consent, all activities to which this consent relates shall be undertaken generally in accordance with the information contained in the application for this consent including: “xxx” prepared by Mitchell Daysh Ltd, dated xxx, WRC ref xxx; and further documentation and correspondence submitted in support of the application, as follows:

- **Xxx list any further documentation that arises through the consent processing**

Where there is any disagreement between the application documentation and resource consent conditions, the resource consent conditions below shall prevail.

- 2 The operation and maintenance of the wastewater retention and diversion systems shall not adversely affect the natural drainage of adjoining properties.
- 3 The consent holder shall be solely responsible for the structural integrity and maintenance of the impoundment and diversion works, and for any erosion control works which may become necessary as a consequence of the exercise of this consent.
- 4 The Council may during 2022, 2027, 2032, 2037, 2042, and 2047 serve notice on the consent holder under section 128(1) of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes:
 - (i) To review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the natural drainage of adjoining properties and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; or
 - (ii) If necessary and appropriate, to require the holder of the consent to adopt the best practicable option to remove or reduce adverse effects on the surrounding environment; or
 - (iii) To review the adequacy of and the necessity for monitoring undertaken by the consent holder.

Resource Consent Certificate

Resource Consent: AUTHXXXX

File Number:

Pursuant to the Resource Management Act 1991, the Waikato Regional Council hereby grants consent to:

Fonterra Limited (Te Rapa Site)
P O Box 10397
TE RAPA 2035

(hereinafter referred to as the Consent Holder)

Consent Type: Land use consent

Consent Subtype: Bed - structure

Activity authorised: Operate, maintain and upgrade outfall and erosion control structures in, on, under, and over the bed of the Waikato River

Location: Fonterra Te Rapa Dairy Manufacturing Site, Te Rapa Road, Te Rapa

Spatial Reference: NZTM 1795200 E 5823300 N

Consent Duration: This consent will commence when the time for lodging appeals against the grant of consent has expired, or when all appeals have been withdrawn or determined, unless otherwise stated in the consent's conditions, and expire on xxx **[35 years]**

Subject to the conditions overleaf:

CONDITIONS

Definitions

For the purposes of this consent, the following definitions apply.

Term	Definition
Council	Waikato Regional Council
Year, yearly, annual, annually, annum, dairy season	Shall all be the period of the dairy season being from 1 July of one year to 30 June of the following year, inclusive.

1. Except as specifically provided for by other conditions of this consent, all activities to which this consent relates shall be undertaken generally in accordance with the information contained in the application for this consent including: “xxx” prepared by Mitchell Daysh Ltd, dated xxx, WRC ref xxx; and further documentation and correspondence submitted in support of the application, as follows:

- **Xxx list any further documentation that arises through the consent processing**

Where there is any disagreement between the application documentation and resource consent conditions the resource consent conditions below shall prevail.

2. The Consent Holder shall carry out any maintenance or upgrade works on the outfall structure in a manner to minimise the disturbance of sediment and any consequent sediment plume in the Waikato River.
3. The consent holder shall prepare an Outfall Management Plan (OMP) for all aspects of the management of the combined discharge outfall structure. The OMP shall be prepared by a suitably qualified and experienced person(s). The objective of the OMP is to document how the outfall structure will be operated and managed including but not limited to the following:
 - a. Operation and maintenance procedures
 - b. Contingency procedures to be followed in the event of a blockage
 - c. Alternatives for disposal of combined wastewater during any maintenance periods.

The OMP shall be forwarded to the Council for its certification within 3 months of this consent being granted.

Any revision of the OMP shall be forwarded to the Council. Any revision of the OMP will require further certification from the Council.

Except where the Council provides notice in writing that it refuses to certify the OMP, then should certification not be provided within 20 working days, the consent holder shall regard the OMP as being deemed to have been certified.

The consent holder shall exercise this consent in accordance with the latest version of the OMP certified by the Council. The consent holder shall review (and update if necessary) the OMP at a frequency to reflect actual site management practices.

The OMP may form part of the ‘Management Plan for Discharge to Water’ required by resource consent xxx.

4. The consent holder shall compile an annual report on the performance and structural integrity of the outfall structure and associated erosion control structures and forward that report to the Council by 30 September each year.
5. The Council may during 2022, 2027, 2032, 2037, 2042, and 2047 serve notice on the consent holder under section 128(1) of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes:
 - (i) To review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the environment and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; or
 - (ii) If necessary and appropriate, to require the holder of the consent to adopt the best practicable option to remove or reduce adverse effects on the surrounding environment; or
 - (iii) To review the adequacy of and the necessity for monitoring undertaken by the consent holder.

Resource Consent Certificate

Resource Consent: AUTHXXXX

File Number: XXXX

Pursuant to the Resource Management Act 1991, the Waikato Regional Council hereby grants consent to:

Fonterra Limited (Te Rapa Site)
P O Box 10397
TE RAPA 2035

(hereinafter referred to as the Consent Holder)

Consent Type: Discharge permit

Consent Subtype: Discharge to air

Activity authorised: Discharge contaminants into the air from dairy manufacturing and ancillary activities including; dairy manufacturing plant and associated processes including drying of milk powder, operation of gas and diesel fired combustion plant, wastewater treatment plant; and other associated infrastructure

Location: Fonterra Te Rapa Dairy Manufacturing Site, Te Rapa Road, Te Rapa

Spatial Reference: NZTM 1795200 E 5823300 N

Consent Duration: This consent will commence when the time for lodging appeals against the grant of consent has expired, or when all appeals have been withdrawn or determined, unless otherwise stated in the consent's conditions, and expire on xxx **[35 years]**

Subject to the conditions overleaf:

CONDITIONS

Definitions

For the purposes of this consent, the following definitions apply.

Term	Definition
BSP	British Standard Pipe thread
Certified (or Certification)	In relation to a Management Plan or Monitoring Plan: means that the Council has certified that the Management Plan or Monitoring Plan contains all information specified in the relevant condition(s) and that the Management Plan or Monitoring Plan meets all the requirements set out in the conditions of the resource consent.
Combustion Plant	The co-generation plant and auxiliary boiler at the Te Rapa site
Council	Waikato Regional Council
Dryer(s)	The Milk Powder Dryers at the Te Rapa site
ISO	International Organization for Standardisation
mg/Nm ³	Milligrams per normal cubic metre (i.e. corrected to 0°C and one atmosphere pressure). All concentrations specified in this consent are specified as dry basis concentrations (i.e. corrected to 0% moisture)
PM ₁₀	Particulate matter that is less than 10 micrometres in aerodynamic diameter
Subject Property	The properties bearing the legal descriptions: Lot 1, DPS 29922, Lot 1, DPS 10458, Part Lot 3, DPS 5134, Blk XII Newcastle SD, and Certificates of Title C/T 50C/514, and 27C/698
TSP	Total suspended particulate matter
USEPA	United States Environmental Protection Agency
Year, yearly, annual, annually	Shall all be the period of the dairy season being from 1 July of one year to 30 June inclusive of the following year

General

1. Except as specifically provided for by other conditions of this consent, all activities to which this consent relates shall be undertaken generally in accordance with the information contained in the application for this consent including: "xxx" prepared by Mitchell Daysh Ltd, dated xxx, WRC ref xxx; and further documentation and correspondence submitted in support of the application, as follows:

- **Xxx list any further documentation that arises through the consent processing**

Where there is any disagreement between the application documentation and resource consent conditions the resource consent conditions below shall prevail.

2. The consent holder shall on the issue of this consent surrender consent 127588 for the operation of the auxiliary boiler.

Performance Standards

3. The Consent Holder shall at all times operate, maintain, supervise, monitor and control all processes on site so that emissions authorised by this consent are maintained at the minimum practicable level.
4. There shall be no discharge of particulate matter or aerosols that causes an objectionable effect at or beyond the boundary of the subject property.

Advice Note: For the purposes of this consent, whether a discharge of particulate matter is objectionable is determined having regard to the frequency, intensity, duration, nature and location of the particulate matter discharge and any previous validated particulate matter complaints relating to the same site.

5. The discharge shall not result in odour that is objectionable, to the extent that it causes an adverse effect at or beyond the boundary of the subject property.

Advice Note: For the purposes of this consent, whether an odour is objectionable is determined having regard to the frequency, intensity, duration, offensiveness and location of the odour and any previous validated odour complaints relating to the same site.

Milk Powder Dryers Operation

6. Bag filters or similar equipment to control air emissions from the Dryers shall be maintained to ensure that they are in good operating condition.
7. Under steady state production conditions, the Dryer discharges shall discharge through emission control systems to ensure compliance with the conditions of this consent.
8. The particulate emissions from the Dryer stacks shall be continuously monitored by a particulate dust monitoring device (or instrument with equivalent capabilities) for the purpose of indicating the performance of the emissions control systems and initiating preventative actions for their inspection and maintenance. The particulate dust monitor shall be connected to an alarm system and steps shall be taken by the consent holder as soon as practicable to stop excess emissions. The operation of the particulate dust monitor, the alert level and actions necessary to remedy any failure of the emissions control system shall be documented in the Management Plan for Discharges to Air required in **condition 25**.
9. The Dryer emission control and monitoring equipment shall be maintained in good working order and calibrated (where applicable) once every year, or as per manufacturer's recommendations, by a person competent in the maintenance and calibration of such systems. Evidence of maintenance documentation shall be provided to the Council upon request.

Discharge Standards for Dryers

10. The discharge of TSP from the Dryer stacks under steady state production conditions shall not exceed the following concentrations:

Dryer number	TSP limit (mg/Nm ³ ; dry basis concentration when averaged over one hour)
Dryer 1	35
Dryer 2	35
Dryer 4	30
Dryer 5	15

11. The combined discharge rate of TSP from the Dryer stacks under steady state production conditions shall not exceed 13 kilograms per hour when averaged over one hour.
12. Discharges from the Dryers under steady state production conditions and design production capacity shall occur via dedicated stacks with minimum heights above the site platform levels and shall achieve the following minimum efflux velocities:

Discharge Point	Design production capacity (t/h)	Height above platform level (metres site)	Efflux velocity (metres per second)
Dryer 1	4.5	44	16
Dryer 2	4.5	44	16.5
Dryer 4 (all stacks)	10.8	65	14.25
Dryer 5	23.5 (skim) 20 (whole)	56	12.5

Advice Note:

1. The site platform level is assumed to be RL 26.5m Moturiki Datum. It is Councils intention that the stack heights will be assumed to comply with the stated values unless Council becomes aware of evidence that indicates otherwise.

Emissions Monitoring for Dryers

13. All existing sampling ports shall be maintained to enable the testing of emissions from the Dryer discharge stacks. All new installations of sampling ports shall be 150mm (or greater) ID BSP female socket fitting and comply with ISO 9096:2023, AS 4323.1.1995 or an equivalent standard where practicable. Where compliance with the standard cannot be practicably achieved, provision of a sampling port and sampling of emissions shall be undertaken at a location and using a method to be agreed with the Council. Safe access for sampling shall be provided.
14. To demonstrate compliance with **conditions 10 and 11**, testing for TSP shall be undertaken as follows:
 - (i) The concentration of TSP in the Dryer stacks shall be measured at least once annually;
 - (ii) Testing shall be conducted when the Dryers are operating at normal rates of production. The plant operating conditions during the test period shall be recorded and reported. The method of sampling and analysis shall be in accordance with ISO 9096: 2003, ASTM D3685-98, USEPA Method 5, USEPA Method 17, or an equivalent method;
 - (iii) The organisation performing the testing must either be currently accredited under ISO 17025 (IANZ accredited) to undertake the method used to perform the testing, or be approved by the Council;
 - (iv) Each sampling occasion shall comprise a minimum of three tests where practicable. In circumstances where an extended testing period is required in order to collect a sufficient quantity of sample to meet the requirements of the approved testing method then the three tests can be substituted with one test as long as the duration is sufficient to meet the requirements of the testing method; and
 - (v) Any averaged test result that fails to comply shall be repeated as soon as practicable and at least within 2 months of the report having been received by the consent holder.

Advice Note: If further emission retesting cannot be undertaken within the 2 month period for practical reasons (such as shut down of boiler for winter maintenance), the consent holder shall notify the Council with a proposed alternative retest date for written approval by the Council.

Combustion Plant Operation

15. All combustion plant shall only be operated using natural gas except when the auxiliary boiler is operated using diesel in accordance with **condition 22**.

16. All products of combustion from the gas turbine combustion system shall be discharged via up to three stacks not less than 25 metres in height above ground level and 3.6 metres equivalent diameter (excluding bypass stacks).

Emissions from the auxiliary boiler shall be discharged via a stack of a height at least 35.1 metres above ground level.

Note: It is the Councils intention that the stack heights will be assumed to comply with the heights specified unless Council becomes aware of evidence that indicates otherwise

Gas turbine combustion system

17. The gas turbine combustion system shall be operated and maintained in good operational condition in order to ensure compliance with the conditions of this consent. Records of maintenance and servicing shall be made available to the Council upon request.

Levels for the operating set points shall be set in the management plan required by **condition 25**.

All monitoring equipment shall be installed, operated, maintained and calibrated in accordance with the manufacturer's recommendations and kept in good working order.

18. Without prejudice to the generality of **condition 2** the discharge concentration* of nitrogen oxides from the gas turbine combustion system shall not exceed the following:

- a) During normal operation: 100 parts per million
- b) During start-up and shut down procedures, the limit in a) above may be exceeded for a period of no more than 30 minutes, but shall not exceed 500 parts per million

*All on a volume and dry gas basis and corrected to zero degrees Celsius, 1 atmosphere pressure and 15% oxygen, averaged over 10 minutes.

19. The rate of emission of total nitrogen oxides from the gas turbine combustion system during steady state operation shall not exceed 200 kilograms per hour.
20. The consent holder shall monitor the gas turbine combustion system stack(s) on an annual basis for total nitrogen oxides (NO_x), consisting of nitrogen dioxide (NO₂) and nitric oxide (NO)

The methods used shall be appropriate internationally recognised stack emission methods for testing of these gases.

Auxiliary Boiler

21. The consent holder shall ensure that the auxiliary boiler and burners are operated and maintained in good operational condition in order to ensure compliance with the conditions of this consent. This shall include automatic tuning devices to ensure efficient combustion of fuel and the production of minimal products of incomplete combustion. This includes servicing of the boiler at least annually in order to prevent poor diesel combustion. Records of maintenance and servicing shall be made available to the Council upon request.
22. The auxiliary boiler shall only be operated using diesel under the following circumstances:
- a) For temporary emergency heat/steam and/or electricity supply in the event of natural gas supply interruption; and
 - b) For short duration testing purposes and for regular, short duration, turnover of the stored fuel.

23. The consent holder shall maintain a log of when the auxiliary boiler is fired by diesel to record the dates and times of operation and a record of percentage operation of full load and steam production rates.
24. Diesel combusted in the auxiliary boiler shall comply with Schedule 2 of the Engine Fuel Specifications Regulations 2011, or subsequent amendments.

Management Plans

25. Within three months of the commencement of this consent, the consent holder shall provide the Council, for certification, updated versions of:
 - the Te Rapa Co-Generation Power Station Environmental Management Plan (CGMP), addressing discharges from the co-generation plant and auxiliary boiler and associated cooling towers; and
 - the Te Rapa Management Plan for Discharges to Air (MPDA), addressing discharges from the rest of the site, including the Dryers, cooling towers and wastewater treatment plant.

These Management Plans shall be prepared by a suitably qualified and experienced person(s). The objectives of the Management Plans are to document how compliance will be achieved with the conditions of this consent, and as a minimum shall address the following specific matters.

Relating to the CGMP:

- (i) Description of the combustion plant and its operations with a focus on components that are of direct relevance to the discharges to air;
 - (ii) Management and operational procedures for ensuring co-generation plant and auxiliary boiler optimisation and burner efficiency to ensure optimal combustion. The frequency and scope of inspections, maintenance and servicing;
 - (iii) Set points for online monitoring of nitrogen oxides and oxygen;
 - (iv) Operational and monitoring procedures specific to the cooling towers especially monitoring and dosing of cooling water; and
 - (v) Management and operational procedures for the firing of the auxiliary boiler on diesel and including the periodic testing of this firing to ensure the boiler optimisation and burner efficiency.
- (vi) Procedures for responding to system failures

Relating to the MPDA:

- (i) Description of the site and its operations with a focus on site components that are of direct relevance to the discharges to air from the site;
- (ii) Management and operational procedures for key components of the site, including maintenance, monitoring and reporting requirements, which are specific to the site's dryer emission control systems;
- (iii) Management and operational procedures to detect and respond to failures in the dryer emission control systems and including emergency response and contingency planning for events including non-compliant emissions;
- (iv) Management and operational procedures that specifically relate to the wastewater treatment system to minimise the potential for odour generation;
- (v) Operational and monitoring procedures for cooling tower emissions
- (vi) Procedures for responding to complaints and / or community liaison including contact telephone numbers for staff of the consent holder who are responsible for responding to complaints;
- (vii) Procedures for reviewing and / or improving the Management Plans; and
- (viii) Any other issue considered important by the consent holder.

The air discharges shall be managed in accordance with the certified Management Plans.

Any subsequent revision of the Management Plans shall be forwarded to the Council. Except where Council provides notice in writing that it refuses to certify a Management Plan, then should certification not be provided within 20 working days, the consent holder shall regard the relevant Management Plan as being deemed to have been certified.

Non-Compliance and Complaints

26. The consent holder shall notify the Council as soon as practicable, and as a minimum requirement within 24 hours, of the consent holder becoming aware of the limits and performance standards specified in this resource consent being exceeded and/or of any accidental discharge, plant breakdown, or other circumstances which are likely to result in the limits and performance standards of this resource consent being exceeded. The consent holder shall, within 7 days of the incident occurring, provide a written report to the Council, identifying the exceedance, possible causes, steps undertaken to remedy the effects of the incident and measures that will be undertaken to ensure future compliance.
27. The consent holder shall maintain a log of all complaints (including those received via third parties including the Council) regarding dust, odour or other contaminants. The consent holder shall notify the Council of each complaint as soon as practicable. The consent holder shall record the following details in a complaint log:
- (i) time and type of complaint including details of the incident, e.g. duration, location and any effects noted;
 - (ii) name, address and contact phone number of the complainant (if provided);
 - (iii) where practicable, the weather conditions including wind direction at the time of incident;
 - (iv) the likely cause of the complaint and the response made by the consent holder including any corrective action undertaken, if applicable;
 - (v) future actions proposed as a result of the complaint, if applicable; and
 - (vi) the response from the consent holder to the complainant.

The complaint log shall be made available to the Council at all reasonable times and a summary of complaints received shall be included in the annual report required **by condition 28**.

Reporting

28. The consent holder shall compile an Annual Report for the activities authorised by this consent, and forward that report to the Council by 30 September of each year, or such other date agreed to in writing by the Council. As a minimum the report shall:
- (i) Analyse and summarise the results of monitoring undertaken, and records kept, in accordance with the conditions of this consent;
 - (ii) Comment on compliance with all conditions of this consent;
 - (iii) Make recommendations in relation to monitoring programme changes, operational changes or other matters as appropriate, which are required to ensure compliance with the conditions of this consent;
 - (iv) Summarise and analyse any non-compliance or difficulties in achieving compliance with the conditions of this consent;
 - (v) Comment on any complaints received in relation to the discharges to air from the site;
 - (vi) Summarise any works that have been undertaken to improve environmental performance or that are proposed to be undertaken in the up-coming year to improve environmental performance in relation to the activities authorised by this consent.
29. The consent holder shall ensure that the results of emissions testing required by **conditions 14 and 20**, including a copy of the emissions testing report, are forwarded to the Council within one month of the results being received and no later than two months after the testing has been completed, and shall be in accordance with the reporting time frames specified by

condition 26 when, for example, limits are exceeded. For each Dryer emission test undertaken, a record of the tonnage (kilograms per hour), the percentage that this represents of the Dryer capacity and the product dried shall be recorded in the emission testing report.

Review

30. The Council may during 2022, 2027, 2032, 2037, 2042, and 2047 serve notice on the consent holder under section 128(1) of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes:

- (i) To review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the environment and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; or
- (ii) If necessary and appropriate, to require the holder of the consent to adopt the best practicable option to remove or reduce adverse effects on the surrounding environment; or
- (iii) To review the adequacy of and the necessity for monitoring undertaken by the consent holder.