

TRANSFER OF RESOURCE CONSENT: DP030579A

DATE: 23rd November 2015

To: **Silver Fern Farms Management Limited**
PO Box 941
Dunedin 9054

FROM: Silver Fern Farms Limited

LOCATION: Fraser Road, Takapau

LEGAL DESCRIPTION: Site of activity: Pt Lot 1 DP 3357 and Lot 2 DP 16838

A handwritten signature in blue ink, appearing to read "Malcolm Miller".

Malcolm Miller
Manager - Consents
RESOURCE MANAGEMENT GROUP



TRANSFER OF
RESOURCE CONSENT:

DP030579A

DATE:

16 June 2008

TO:

Silver Fern Farms Limited
PO Box 941
Dunedin

FROM:

PPCS Limited

LOCATION:

Fraser Road, Takapau

LEGAL DESCRIPTION:

Pt Lot 1 DP 3357

TIM WAUGH
CONSENTS OFFICER ADMINISTRATION



TRANSFER OF
RESOURCE CONSENT:

DP030579A

DATE:

26 October 2005

TO:

PPCS Limited
PO Box 941
Dunedin

FROM:

Richmond Limited

LOCATION:

Fraser Road, Takapau

LEGAL DESCRIPTION:

Pt Lot 1 DP 3357

TIM WAUGH
CONSENTS OFFICER ADMINISTRATION



Resource Consent

DISCHARGE PERMIT

In accordance with Rule 9 of the Regional Air Plan (January 1998), Rule 18 of the Proposed Regional Resource Management Plan (June 2001) and the provisions of the Resource Management Act 1991, and subject to the attached conditions, the Hawke's Bay Regional Council (the Council) grants a resource consent for a controlled activity to:

Silver Fern Farms Management Limited

PO Box 941
Dunedin 9054

to discharge products of combustion into the atmosphere from one 4.8 MW, two 1.8MW and one 950 KW natural gas fired boilers

LOCATION

Address of site:	Fraser Road, Takapau
Legal description	Part Lot 1 DP3357 and Lot 2 DP16838
Map reference:	U23: 2799400 - 6125945

CONSENT DURATION

This consent is granted for a period expiring on 31 December 2018.



Helen Codlin
MANAGER ENVIRONMENTAL REGULATION
Under authority delegated by the Hawke's Bay Regional Council
3 October 2003

STANDARD AND TERMS OF THE CONTROLLED ACTIVITY

Rule 9 of the Regional Air Plan:-

- (a) The discharge shall be from a chimney.
- (b) Every chimney discharging any products of combustion from fuel burning equipment in accordance with this Rule shall be designed so that:-
 - (i) The minimum efflux in 10 m/s at the chimney exist at full load for sources less than 10 MW capacity, and 15 m/s for sources greater than 10MW capacity; and
 - (ii) The discharge is upwards and unimpeded by any cowls or other fixtures on the top of the stack, except that coning may be used to increase the discharge velocity.
- (c) The opacity of the discharge when measured at the point of entry to the atmosphere shall not exceed 20%, except that a discharge in excess of this shall be allowed for a period of not more than two minutes continuously or for an aggregate of four minutes in any 60 minute period.

Rule 18 of the Proposed Regional Resource Management Plan:-

- (a) The total rate of heat release from any individual premises shall not exceed:
 - (i) 50 MW for natural or liquidfied petroleum gas; or
 - (ii) 10 MW for coal, oil or untreated wood; or
 - (iii) where gas and coal, oil or untreated wood is used, the cumulative discharge does not exceed the equivalent of 10 MW of coal, oil or untreated wood being burnt.
- (b) The fuel shall be burned using fuel burning equipment, and the discharge shall be from a chimney designed so that:
 - (i) the discharge is effectively dispersed upwards;
 - (ii) the minimum efflux is 10 m/s at the chimney exit at full load for sources up to 10 MW capacity, and 15 m/s for sources greater than 10 MWcapacity.
- (c) Any combustion of waste oil shall take place only in equipment specifically designed and certified for the purpose.
- (d) The opacity of the discharge when measured at the point of entry to the atmosphere shall not exceed 20%, except that a discharge in excess of this shall be allowed for a period of not more than two minutes continuously or for an aggregate of four minutes in any 60 minute period.
- (e) The discharge shall not result in any objectionable deposition of particulate matter on any land or structure beyond the boundary of the subject property, or on public land.
- (f) The discharge shall not result in any offensive or objectionable odour, or any noxious or dangerous levels of gases, beyond the boundary of the subject property or on public land.
- (g) The discharge shall not result in any smoke that adversely affects traffic safety or reduces visibility within a height of 5 m above ground level at any point beyond the boundary of the subject property.

Note: Where there is a conflict between the standards from each plan the most stringent standard shall apply.

CONDITIONS RELATING TO MATTERS OVER WHICH THE COUNCIL HAS RESERVED ITS CONTROL, IN RESPECT OF THE CONTROLLED ACTIVITY

1. All works and structures relating to this resource consent shall be designed and constructed to conform to the best engineering practices and at all times maintained to a safe and serviceable standard.
2. The consent holder shall undertake all operations in accordance with any drawings, specifications, statements of intent and other information supplied as part of the application for this resource consent. In the event that there is conflict between the information supplied with the application and any consent condition(s), the condition(s) shall prevail.
3. The boiler chimney shall be at least 13 metres high.
4. The consent holder shall log all complaints received. The log shall include:
 - i) the date and time of the complaint;
 - ii) the nature of the complaint;
 - iii) the name, telephone number and address of the complainant;
 - iv) weather information (an estimate of wind speed and direction);
 - v) details of key operating parameters at the time of the complaint; and
 - vi) the remedial action taken to prevent further incidents.

Complaints shall be reported to the Council within 24 hours of receipt and the log of complaints shall be made available to the Council on request.

REVIEW OF CONSENT CONDITIONS BY THE COUNCIL

The Council may review conditions of this consent by serving notice of its intention to do so pursuant to section 128 and section 129 of the Resource Management Act 1991. The actual and reasonable costs of any review undertaken will be charged to the consent holder, in accordance with s.36(1)(c) of the Resource Management Act.

Times of service of notice of any review: During the months of May 2004, 2007, 2010, and 2013.

Purposes of review: To deal with any adverse effect on the environment which may arise from the exercise of this consent, which it is appropriate to deal with at that time, or which became evident after the date of issue.
To require the adoption of the best practical option to remove or reduce any effects on the environment.
To modify any monitoring programme, or to require specific monitoring if the record of monitoring indicates that any current monitoring requirements are inappropriate.

REASONS FOR DECISION

1. The activity will have limited actual or potential adverse effects on the environment.
2. The activity is consistent with relevant plans or policies.
3. The activity is consistent with the purpose and principles of the Resource Management Act 1991.

MONITORING NOTE

Routine monitoring

Routine monitoring inspections will be undertaken by Council officers at a frequency of no more than once every year to check compliance with the conditions of the consent. The costs of **any** routine monitoring will be charged to the consent holder in accordance with the Council's annual plan of the time.

Non-Routine monitoring

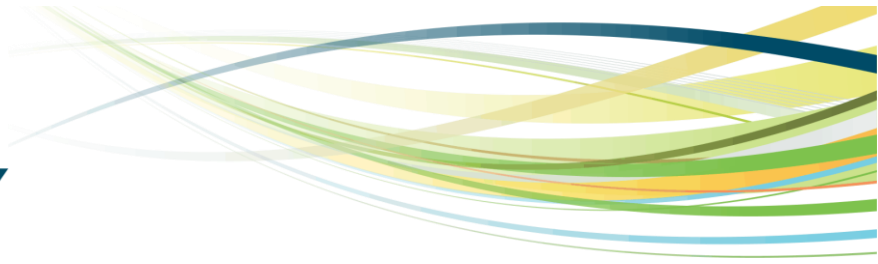
"Non routine" monitoring will be undertaken if there is cause to consider (eg. following a complaint from the public, or routine monitoring) that the consent holder is in breach of the conditions of this consent. The cost of non-routine monitoring will be charged to the consent holder in the event that non-compliance with conditions is determined, or if the Consent holder is deemed not to be fulfilling the obligations specified in section 17(1) of the Resource Management Act 1991 (RMA) shown below.

Section 17(1) of the RMA 1991 states:

Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on, by or on behalf of that person, whether or not the activity is in accordance with a rule in a plan, a resource consent, section 10, section 10A, or section 20.

Consent Impact Monitoring

In accordance with section 36 of the RMA (which includes the requirement to consult with the consent holder) the Council may levy additional charges for the cost of monitoring the environmental effects of this consent, either in isolation or in combination with other nearby consents. Any such charge would generally be set through the annual plan process.



TRANSFER OF RESOURCE CONSENT: DP020333A

DATE: 23rd November 2015

To: **Silver Fern Farms Management Limited**
PO Box 941
Dunedin 9054

FROM: Silver Fern Farms Limited

LOCATION: Fraser Road, Takapau

LEGAL DESCRIPTION: Site of activity: Pt Lot 1 DP 3357

A handwritten signature in blue ink, appearing to read "Malcolm Miller".

Malcolm Miller
Manager - Consents
RESOURCE MANAGEMENT GROUP



TRANSFER OF
RESOURCE CONSENT: DP020333A

DATE: 16 June 2008

TO: **Silver fern Farms Limited**
PO Box 941
Dunedin

FROM: PPCS Limited

LOCATION: Fraser Road, Takapau

LEGAL DESCRIPTION: Pt Lot 1 DP 3357

TIM WAUGH
CONSENTS OFFICER ADMINISTRATION



TRANSFER OF
RESOURCE CONSENT: DP020333A

DATE: 26 October 2005

TO: PPCS Limited
PO Box 941
Dunedin

FROM: Richmond Limited

LOCATION: Fraser Road, Takapau

LEGAL DESCRIPTION: Pt Lot 1 DP 3357

TIM WAUGH
CONSENTS OFFICER ADMINISTRATION



Resource Consent

DISCHARGE PERMIT

In accordance with Rule 28 of the Proposed Regional Resource Management Plan (June 2001), Rule 20 of the Regional Air Plan and the provisions of the Resource Management Act 1991, and subject to the attached conditions, the Hawke's Bay Regional Council (the Council) grants a resource consent for a discretionary activity to:

Silver Fern Farms Management Limited

PO Box 941
Dunedin 9054

to discharge contaminants (odour) into air from the following activities at a meat processing facility:

- i. rendering high quality animal (ungulates) matter including meal and blood drying processes
- ii. operating a refrigeration plant
- iii. operating a hydrolysing unit
- iv. operating stockyards
- v. operating a refrigeration unit

LOCATION

Address of site: Fraser Road, Takapau
Legal description Part Lot 1 DP3357 and Lot 2 DP16838
Map reference: U23: 2799400 - 6125945

CONSENT DURATION

This consent is granted for a period expiring on 31 December 2018.

Helen Codlin
MANAGER ENVIRONMENTAL REGULATION
Under authority delegated by the Hawke's Bay Regional Council
3 October 2003

CONDITIONS

1. The consent holder shall undertake all operations in accordance with any drawings, specifications, statements of intent and other information supplied as part of the application for this resource consent. In the event that there is conflict between the information supplied with the application and any consent condition(s), the condition(s) shall prevail.
2. There shall be no discharge of offensive or objectionable discharge beyond any boundary of the property.
3. Raw material such as soft offal, hard offal and blood shall be of high quality, free from decomposition, treated or stabilised as required and shall not have an objectionable odour prior to being processed.
4. Fallen stock and other animal material which has not been derived from a purpose built food processing plant or slaughter house shall not be processed in the plant.
5. The cookers and dryers shall be operated at all times in such a manner as to avoid burning of product and generation of odorous pyrolysis products, and negative pressures shall be maintained at all times within the cookers to minimise fugitive emissions.
6. The discharge of dried blood or meal to atmosphere from any operation shall be controlled to ensure that particulate matter does not cause a nuisance at or beyond the boundary of the consent holder's premises.
7. All process air and fumes from the cookers shall be collected and treated, as described in the current application, or by some other method approved by Council.
8. The Consent holder shall log all complaints received. The log shall include:
 - a) Date and time of complaint
 - b) Date and time of alleged event complained about and the nature of the complaint
 - c) The name, address and telephone number of complainant (if available)
 - d) Relevant meteorological information including an estimate of wind direction and wind speed at the time of the alleged event;
 - e) Details of key operating parameters of the process(es) likely to have caused the alleged complaint
 - f) Remedial action taken if appropriate to prevent re-occurrence of the incident complained about, and any comments explaining the incident, and
 - g) Comment if no cause for complaint could be determined.
9. Complaints shall be reported to the Council by telephone within 24 hours of receipt, and confirmed in writing within seven days of receipt of the complaint. The complaint log shall be made available for inspection by Council officers on request.

REVIEW OF CONSENT CONDITIONS BY THE COUNCIL

The Council may review conditions of this consent by serving notice of its intention to do so pursuant to section 128 and section 129 of the Resource Management Act 1991. The actual and reasonable costs of any review undertaken will be charged to the consent holder, in accordance with s.36(1)(c) of the Resource Management Act.

Times of service of notice of any review: During the months of May 2004, 2007, 2010, and 2013.

Purposes of review: To deal with any adverse effect on the environment which may arise from the exercise of this consent, which it is appropriate to deal with at that time, or which became evident after the date of issue.
To require the adoption of the best practical option to remove or reduce any effects on the environment.
To modify any monitoring programme, or to require specific monitoring if the record of monitoring indicates that any current monitoring requirements are inappropriate.

REASONS FOR DECISION

1. The proposed discharges will have limited actual or potential adverse effect on the environment.
2. Any direct effect of the discharge on other nearby users is minimal.
3. The activity is consistent with relevant plans or policies.
4. The activity is consistent with the purpose and principles of the Resource Management Act 1991.

MONITORING NOTE

Routine monitoring

Routine monitoring inspections will be undertaken by Council officers at a frequency of no more than once every year to check compliance with the conditions of the consent. The costs of **any** routine monitoring will be charged to the consent holder in accordance with the Council's annual plan of the time.

Non-Routine monitoring

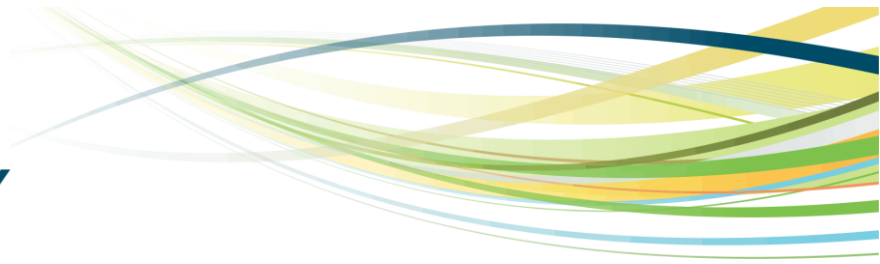
"Non routine" monitoring will be undertaken if there is cause to consider (eg. following a complaint from the public, or routine monitoring) that the consent holder is in breach of the conditions of this consent. The cost of non-routine monitoring will be charged to the consent holder in the event that non-compliance with conditions is determined, or if the Consent holder is deemed not to be fulfilling the obligations specified in section 17(1) of the Resource Management Act 1991 (RMA) shown below.

Section 17(1) of the RMA 1991 states:

Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on, by or on behalf of that person, whether or not the activity is in accordance with a rule in a plan, a resource consent, section 10, section 10A, or section 20.

Consent Impact Monitoring

In accordance with section 36 of the RMA (which includes the requirement to consult with the consent holder) the Council may levy additional charges for the cost of monitoring the environmental effects of this consent, either in isolation or in combination with other nearby consents. Any such charge would generally be set through the annual plan process.



TRANSFER OF RESOURCE CONSENT: DP981040L

DATE: 23rd November 2015

To: **Silver Fern Farms Management Limited**
PO Box 941
Dunedin 9054

FROM: Silver Fern Farms Limited

LOCATION: Fraser Road, Takapau

LEGAL DESCRIPTION: Site of activity: Pt Lot 1 DP 3357

A handwritten signature in blue ink, appearing to read "Malcolm Miller".

Malcolm Miller
Manager - Consents
RESOURCE MANAGEMENT GROUP



TRANSFER OF
RESOURCE CONSENT:

DP981040L

DATE:

16 June 2008

TO:

Silver Fern Farms Limited
PO Box 941
Dunedin

FROM:

PPCS Limited

LOCATION:

Fraser Road, Takapau

LEGAL DESCRIPTION:

Pt Lot 1 DP 3357

TIM WAUGH
CONSENTS OFFICER ADMINISTRATION



TRANSFER OF
RESOURCE CONSENT:

DP981040L

DATE:

26 October 2005

TO:

PPCS Limited
PO Box 941
Dunedin

FROM:

Richmond Limited

LOCATION:

Fraser Road, Takapau

LEGAL DESCRIPTION:

Pt Lot 1 DP 3357

TIM WAUGH
CONSENTS OFFICER ADMINISTRATION



Resource Consent

DISCHARGE PERMIT

In accordance with Rule 6-1 of the *Proposed Regional Water Resources Plan (November 1996)* and the provisions of the *Resource Management Act 1991*, and subject to the attached conditions, the Hawke's Bay Regional Council (the Council) grants resource consents for a discretionary activity to:

Silver Fern Farms Limited

PO Box 941
Dunedin

to discharge secondary treated sewage from an oxidation pond onto 1.6 ha of land through a border dyke system.

LOCATION

Address of site: Fraser Road, Takapau
Map Reference U23:9900-2630
Legal description Pt Lot 1 DP 3357

DETAILS OF RESOURCE CONSENT

Effluent to be discharged: oxidation pond effluent
Maximum rate of discharge: 750 m³ during any 21 day period
Consent duration: Granted for a period expiring on 31 December 2018

Sue Twigg
GROUP MANAGER: ENVIRONMENTAL MANAGEMENT

Under authority delegated by the Hawke's Bay Regional Council

14 December 1999

CONDITIONS

1. All works and structures relating to this resource consent shall be designed and constructed to conform to the best engineering practices and at all times maintained to a safe and serviceable standard.
2. The consent holder shall undertake all operations in accordance with any drawings, specifications, statements of intent and other information supplied as part of the application for this resource consent. In the event that there is conflict between the information supplied with the application and any consent condition(s), the condition(s) shall prevail. Such information specifically includes *Richmond Ltd - Takapau. Resource consent application and assessment of environmental effects of discharge to land of domestic wastewater. RIC 04, June 1998.*
3. The effluent shall be applied as discrete discharges 3 weeks apart over 1.6 ha as described below;
 - one discharge not exceeding 750 m³ to 0.8 ha (10 of the 20 borders) every 6 weeks, and
 - another discharge not exceeding 750 m³ to the other 0.8 ha 3 weeks later.
4. The consent holder shall, during each calendar year, take a composite sample of the effluent over the period of discharge (the time interval between each subsample not exceeding 30 minutes). The sample shall be analysed for BOD₅ and Total Nitrogen.
5. All analyses, other than field measurements, required by the conditions of this consent shall be undertaken by an independent laboratory accredited to IANZ. All methodologies adopted shall be appropriate for water and wastewater analyses.
6. The consent holder shall record:
 - i) the date and time of each discharge event;
 - ii) the a specific borders into which each discharge occurs;
 - iii) the volume of effluent discharged during each discharge event.

Note: One means of complying with this condition is to calculate the volume from the surface area of the pond and the change in level during a discharge event.
7. All records and results of analyses collected in accordance with the conditions of this consent shall be provided to the Council (in electronic form) at monthly intervals, or at any other time that may be requested by the Council. Records shall be provided no more than seven days following the end of the month to which they relate.
8. Before 31 December 2000 and annually thereafter, the consent holder shall provide the Council with a 'monitoring report' for the 12 month period ending at the previous 30 September. The monitoring report shall include;
 - i) A summary of analyses and records collected in accordance with the conditions of this consent; and
 - ii) A comment on the extent that each consent condition has been complied with.

REVIEW OF CONSENT CONDITIONS BY THE COUNCIL

The Council may review conditions of this consent by serving notice of its intention to do so pursuant to section 128 and section 129 of the Resource Management Act 1991.

The Council may review conditions of this consent by serving notice of its intention to do so pursuant to section 128 and section 129 of the Resource Management Act 1991.

Times of service of notice of any review: During the month of May in the years 2000, 2002, 2004, 2009 and 2014.

Purposes of review: To ensure conditions are consistent with any policies and rules in regional plans that may be established after the commencement of the consent.
Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
To deal with any adverse effect on the environment which may arise from the exercise of this consent, which it is appropriate to deal with at that time, or which became evident after the date of issue.
To modify the monitoring programme if the record of monitoring to date indicates that it is inappropriate.

CHANGE OF CONSENT CONDITIONS ON APPLICATION BY THE CONSENT HOLDER

Pursuant to s.127 of the Resource Management Act, the consent holder may at any time, apply for a change to the conditions of this consent for purposes modifying the monitoring programme if the record of monitoring to date indicates that it is inappropriate.

REASONS FOR DECISION

1. Based on the comprehensive evaluation of resource provided with the application the Council is satisfied that it can sustain the activity.
2. The conditions of consent will ensure that the actual effects of the activity will be adequately monitored and any significant adverse affects that may occur are detected as early as possible.
3. The duration of the consent, and the provision to review conditions is sufficient to provide consent holder with appropriate security without significant risk to the environment or potentially affected parties.
4. The activity is consistent with relevant plans and policies and with the Resource Management Act.

MONITORING BY THE CONSENT HOLDER

The monitoring of ground and surface required to be undertaken by the consent holder pursuant to the consents authorising the discharge of meat works wastewater (Consent Nos.: DP981043L & DP981044A), is sufficient to also monitor the effects of this consent.

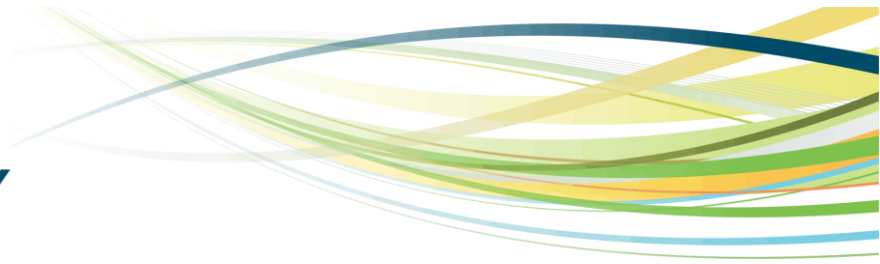
MONITORING BY THE COUNCIL

Routine inspections of the site of this consent will be undertaken by Council officers at a frequency of no more than four times per year. The costs of these routine inspections and any formal monitoring programme that may be established in consultation with the consent holder will be charged to the consent holder.

“Non routine” inspections will be made on other occasions if there is reason to believe (e.g. following a complaint from the public, or monitoring) that the consent holder is in breach of the conditions of this consent. The cost of non-routine inspections will be charged to the consent holder in the event that non-compliance with conditions is determined, or if the Consent holder is deemed not to be fulfilling the obligations specified in section 17(1) of the Resource Management Act (RMA) 1991 shown below.

Section 17(1) of the RMA 1991 states;

Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on, by or on behalf of that person, whether or not the activity is in accordance with a rule in a plan, a resource consent, section 10, section 10A, or section 20.



TRANSFER OF RESOURCE CONSENT: DP981039Lb

DATE: 23rd November 2015

To: **Silver Fern Farms Management Limited**
PO Box 941
Dunedin 9054

FROM: Silver Fern Farms Limited

LOCATION: Fraser, Station & Oruawhara Roads, Takapau

LEGAL DESCRIPTION: Site of activity: Pt Lot 1 DP 3357, Pt of Blk 120,
Sec 1S Maharakeke Settlement and Lots 4 and 5
DP 6204

A handwritten signature in blue ink, appearing to read "Malcolm Miller".

Malcolm Miller
Manager - Consents
RESOURCE MANAGEMENT GROUP



RESOURCE CONSENT Discharge Permit

In accordance with the provisions of the Resource Management Act 1991(RMA), and subject to the attached conditions, the Hawke's Bay Regional Council (the Council) grants a resource consent for a discretionary activity to:

Silver Fern Farms Management Limited

PO Box 941
Dunedin 9054

to discharge solid organic waste material (principally stockyard scrapings) to land

LOCATION

Site ID (see Plan attached)	Property Address	Legal Description	Map Reference (at centre of site)
S1	Fraser Rd, Takapau	Pt Lot 1 DP 3357 Pt of Blk 120,	E1889606 N5564310
S2	Fraser Rd, Takapau	Pt Lot 1 DP 3357	E1889850 N5565750
A	Fraser Road, Takapau	Sec 1S Maharakeke Settlement	E1890195 N5564585
B	Station Road, Takapau	Pt Lot 1 DP 3357	E1889062 N55664355
C	Oruawhara Road, Takapau	Lot 5 DP 6204	E1889940 N5563729
D	Oruawhara Road, Takapau	Lot 4 DP 6204	E1889235 N5563824
E	Fraser Road, Takapau	Pt Lot 1 DP 3357	E1889399 N5565781

CONSENT DURATION:

Granted for a period expiring on 31 December 2018

Malcolm Miller
Manager Consents

RESOURCE MANAGEMENT GROUP

Under authority delegated by Hawke's Bay Regional Council
8th May 2012

This consent was originally issued on 14 December 1999 and subsequently changed in accordance with s 127 of the RMA.

CONDITIONS

1. All works and structures relating to this resource consent shall be designed and constructed to conform to the best engineering practices and at all times maintained to a safe and serviceable standard.
2. The consent holder shall undertake all operations in accordance with any drawings, specifications, statements of intent and other information supplied as part of the application for this resource consent. In the event that there is conflict between the information supplied with the application and any consent conditions, the conditions shall prevail. Such information specifically includes:
 - a) Richmond Ltd - Takapau. Resource consent application and assessment of environmental effects of discharge of sheepyard wastes onto land. RIC 07, June 1998;
 - b) Richmond Ltd Takapau. Application for variation of resource consent conditions for the abstraction of groundwater, the discharge of meat processing wastewater and discharge of yard solids. 6919RIC, November 2002.
 - c) Application to Change Conditions of Discharge to Land Resource consents – Assessments of Environmental Effects, Silver Fern Farms Limited – Takapau. Prepared by Pattle Delamore Partners Limited, February 2010.
3. Deleted.
4. Deleted.
5. The total nitrogen loading from solid organic waste material, fertiliser and wastewater discharged under DP981043Lb, to any discharge run in Blocks S1, S2 and Blocks A – E over any the period 1 October each year to 30 September the following year shall not exceed the following:
 - a) 600 kg per hectare on any cropped pastoral area; nor
 - b) 650 kg per hectare on any cropped lucerne area; nor
6. There shall be no discharge of waste solids within:
 - a) 20 metres of any surface water body;
 - b) 30 metres from any bore unless secure wellhead protection, to the satisfaction of the Council (Manager Compliance) is in place;
 - c) 50 metres of any surface water body during heavy rainfall;
 - d) 10 metres of any property boundary;
 - e) 50 metres of the Porangahau Stream.
7. There shall be no offensive or objectionable odour beyond the boundary of the property. The 'property' is the outline area shown in Appendix 1 as the Takapau Plant Land Area.
8. Deleted.

9. For each of the discharge sites, the consent holder shall maintain a detailed record of the solid organic waste material discharged, including the following;
 - a) The date and time of each application;
 - b) The discharge run onto which each application was made;
 - c) The volume of each application;
 - d) The total volume applied during the period 1 October to 30 September each year.
 - e) Deleted.
10. All records collected in accordance with the conditions of this consent shall be provided to the Council (in electronic form) at monthly intervals, or at any other time that may be requested by the Council. Records shall be provided no more than seven days following the month to which they relate. Raw laboratory data shall be provided to the Council (Manager Compliance) on request.
11. The Consent holder shall log all complaints received. The log shall include the date, time, and nature of the complaint and the name, telephone number, and address of the complainant, weather information (an estimate of wind speed and direction), details of key operating parameters at the time of the complaint and the remedial action taken to mitigate the effects of the incident and the steps taken to prevent further incidents. Complaints shall be reported to the Council within 24 hours of receipt and the log of complaints shall be made available to the Council on request.
12. Before 31 December 2000 and annually thereafter, the consent holder shall provide the Council with a monitoring report for the 12-month period ending at the previous 30 September. The format of the monitoring report shall be to the satisfaction of the Council (Manager Compliance) and shall include (but not be limited to);
 - a) A summary of analyses and records collected in accordance with the conditions of this consent; and
 - b) A comment on the extent that each consent condition has been complied with.
13. A representative sample of solid organic waste material shall be collected in August and February each year from the milliscreen and analysed for Total Kjeldahl Nitrogen and Total Solids. The sample collection point and methodology shall be specified in the Wastewater and Solids Management Plan required by condition 56 of DP981043Lb. The results of the analysis shall be provided to the Council in accordance with condition 10 of this consent.
14. The total nitrogen from solid organic waste material applied to each discharge run annually shall be included in the nutrient mass balance required under condition 47 of DP981043Lb.

REVIEW OF CONSENT CONDITIONS BY THE COUNCIL

The Council may review conditions of this consent by serving notice of its intention to do so pursuant to section 128 and section 129 of the Resource Management Act 1991.

Times of service of notice of any review: During the month of May of any year.

Purposes of review: To ensure conditions are consistent with any policies and rules in regional plans that may be established after the commencement of the consent.
Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
To deal with any adverse effect on the environment which may arise from the exercise of this consent, which it is appropriate to deal with at that time, or which became evident after the date of issue.
To modify the monitoring programme if the record of monitoring to date indicates that it is inappropriate.

ADVICE NOTES

- 1) Total nitrogen from all sources includes nitrogen from effluent **and** solid organic waste material **and** fertiliser.

MONITORING BY THE COUNCIL

Routine inspections of the site of this consent will be undertaken by Council officers at a frequency of no more than four times per year. The costs of these routine inspections and any formal monitoring programme that may be established in consultation with the consent holder will be charged to the consent holder.

“Non routine” inspections will be made on other occasions if there is reason to believe (e.g. following a complaint from the public, or monitoring) that the consent holder is in breach of the conditions of this consent. The cost of non-routine inspections will be charged to the consent holder in the event that non-compliance with conditions is determined, or if the Consent holder is deemed not to be fulfilling the obligations specified in section 17(1) of the Resource Management Act (RMA) 1991 shown below.

Section 17(1) of the RMA 1991 states;

Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on by or on behalf of the person, whether or not the activity is carried on in accordance with

- a) *any of sections 10, 10A, 10B, and 20A; or*
- b) *a national environmental standard, a rule, a resource consent, or a designation.*

REASONS FOR DECISION

[Original Decision – 4 December 2000]

1. Based on the comprehensive evaluation of resource provided with the application the Council is satisfied that it can sustain the activity.
2. The monitoring required to be undertaken by the consent holder in accordance with its consent to discharge meatworks wastewater (consent nos. DP981043L & DP981044A) will adequately monitor the effects of this activity. No specific environmental monitoring conditions are therefore included.
3. The duration of the consent, and the provision to review conditions is sufficient to provide consent holder with appropriate security without significant risk to the environment or potentially affected parties.
4. The activity is consistent with relevant plans and policies and with the Resource Management Act.

REASONS FOR DECISION

[Change Of Consent Conditions – 17 January 2003]

1. The potential effect of using the existing wastewater disposal area for solids disposal is mitigated by the condition ensuring that only solids or wastewater is disposed of over an area in any 12-month period.
1. The potential effects on the Porangahau Stream of disposing of solids on the two new areas for disposing of solids is mitigated by a 50 metre buffer between the stream and any area used for solids disposal.
2. The adverse effects of the activity as a result of the use of the new sites, in accordance with the amended conditions will be unchanged.

REASONS FOR DECISION

[Change Of Consent Conditions – 8 May 2012]

The activity will have minor actual or potential adverse effects on the environment and is not contrary to any relevant plans or policies. The activity is also consistent with the purpose and principles of the Resource Management Act 1991.

MONITORING BY THE COUNCIL

Routine inspections of the site of this consent will be undertaken by Council officers at a frequency of no more than four times per year. The costs of these routine inspections and any formal monitoring programme that may be established in consultation with the consent holder will be charged to the consent holder.

On request the consent holder shall advise the Council of sampling dates and times so that concurrent audit samples can be taken by Council officers. The audit samples will be analysed by an alternative laboratory independently accredited by IANZ, and the costs of sampling and analysis will be charged to the consent holder.

“Non-routine” inspections will be made on other occasions if there is reason to believe (e.g. following a complaint from the public, or monitoring) that the consent holder is in breach of the conditions of this consent. The cost of non-routine inspections will be charged to the consent holder in the event that non-compliance with conditions is determined, or if the Consent holder is deemed not to be fulfilling the obligations specified in section 17(1) of the Resource Management Act (RMA) 1991 shown below.

Section 17(1) of the RMA 1991 states;

Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on by or on behalf of the person, whether or not the activity is carried on in accordance with

- a) *any of sections 10, 10A, 10B, and 20A; or*
- b) *a national environmental standard, a rule, a resource consent, or a designation.*

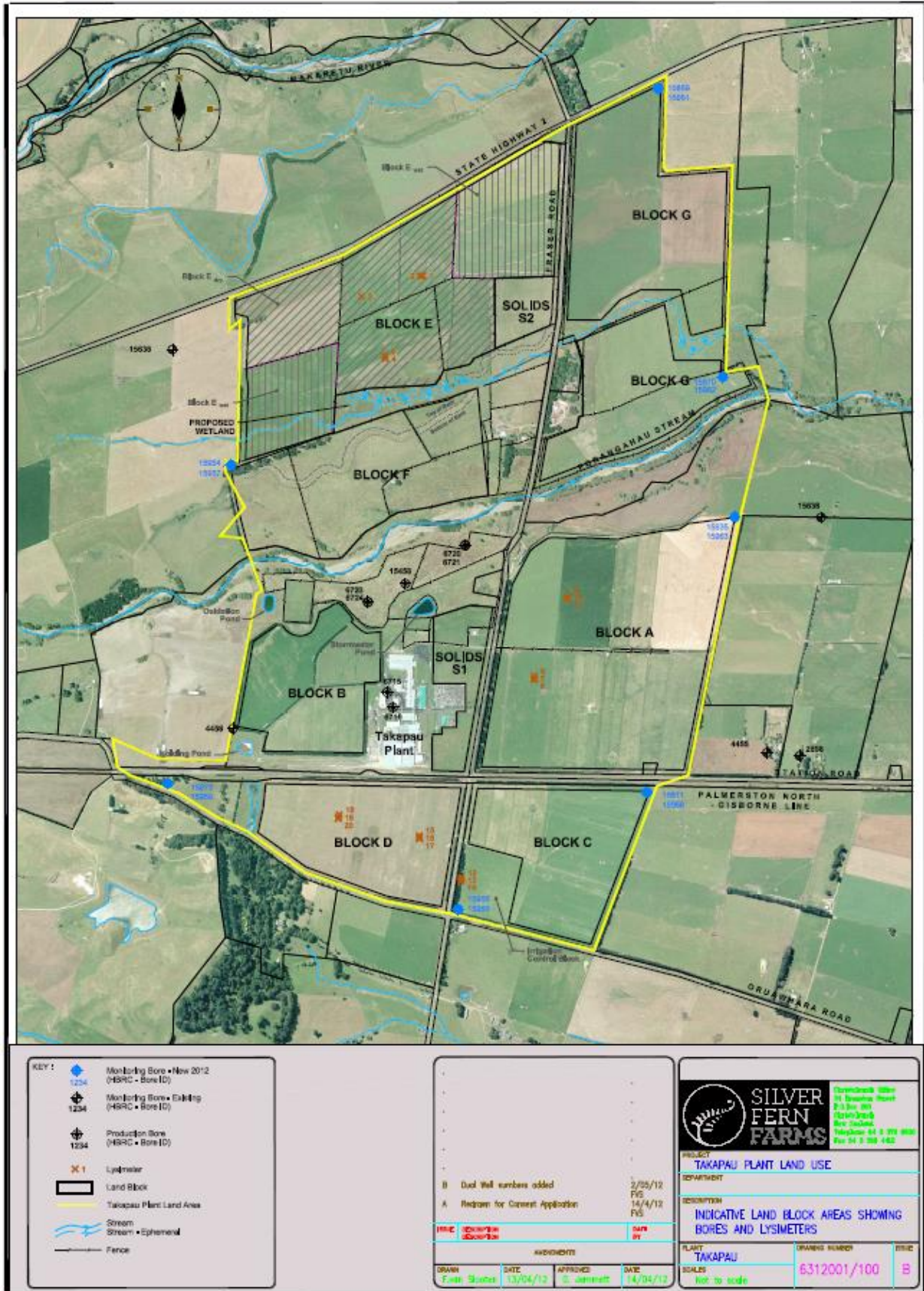
Consent Impact Monitoring

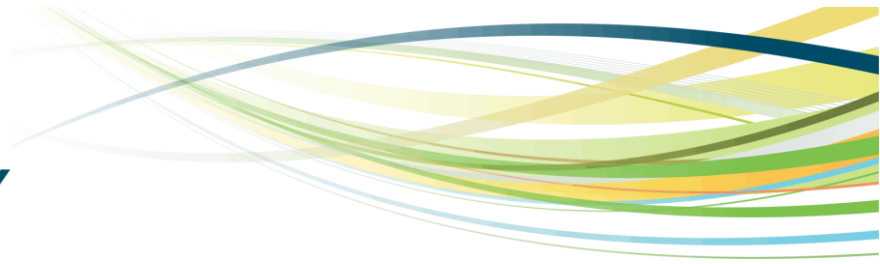
In accordance with section 36 of the RMA (which includes the requirement to consult with the consent holder) the Council may levy additional charges for the cost of monitoring the environmental effects of this consent, either in isolation or in combination with other nearby consents. Any such charge would generally be set through the Council’s Annual Plan process.

Debt Recovery

It is agreed by the consent holder that it is a term of the granting of this resource consent that all costs incurred by the Council for, and incidental to, the collection of any debt relating to the monitoring of this resource consent shall be borne by the consent holder as a debt due to the Council, and for that purpose the Council reserves the right to produce this document in support of any claim for recovery.

Appendix 1: Takapau Plant Land Area Showing Indicative Location of Land Blocks, Bores, Lysimeters, and Surrounding Area





TRANSFER OF RESOURCE CONSENT: DP981041L

DATE: 23rd November 2015

To: **Silver Fern Farms Management Limited**
PO Box 941
Dunedin 9054

FROM: Silver Fern Farms Limited

LOCATION: Fraser Road, Takapau

LEGAL DESCRIPTION: Site of activity: Pt Lot 1 DP 3357

A handwritten signature in blue ink, appearing to read "Malcolm Miller".

Malcolm Miller
Manager - Consents
RESOURCE MANAGEMENT GROUP



TRANSFER OF
RESOURCE CONSENT:

DP981041L

DATE:

16 June 2008

TO:

Silver Fern Farms Limited
PO Box 941
Dunedin

FROM:

PPCS Limited

LOCATION:

Fraser Road, Takapau

LEGAL DESCRIPTION:

Pt Lot 1 DP 3357

TIM WAUGH
CONSENTS OFFICER ADMINISTRATION



TRANSFER OF
RESOURCE CONSENT:

DP981041L

DATE:

26 October 2005

TO:

PPCS Limited
PO Box 941
Dunedin

FROM:

Richmond Limited

LOCATION:

Fraser Road, Takapau

LEGAL DESCRIPTION:

Pt Lot 1 DP 3357

TIM WAUGH
CONSENTS OFFICER ADMINISTRATION



Resource Consent

DISCHARGE PERMIT

In accordance with Rule 6-1 of the *Proposed Regional Water Resources Plan (November 1996)* and the provisions of the *Resource Management Act 1991*, and subject to the attached conditions, the Hawke's Bay Regional Council (the Council) grants resource consents for a discretionary activities to:

Silver Fern Farms Management Limited

PO Box 941
Dunedin 9054

to discharge;

- a) stormwater from a catchment area of 9.6 ha (approximately 4.8 ha of which is impervious), and
- b) water from other sources (potentially containing contaminants)

to land where it may enter water, after passing through a detention pond.

LOCATION

Address of site: Fraser Road, Takapau
Legal description: Pt Lot 1 DP 3357

DETAILS OF RESOURCE CONSENT

Effluent to be discharged: stormwater, defrost water, untreated groundwater, water filter backwash, cooling water
Consent duration: Granted for a period expiring on 31 December 2018
Lapsing of consent: This consent shall lapse in accordance with s.125 on 31 December 2018.
Cancellation of consent: In accordance with s.126(a), this consent shall not be cancelled in the event that it is not exercised for a period of 2 years.

Sue Twigg
GROUP MANAGER: ENVIRONMENTAL MANAGEMENT

Under authority delegated by the Hawke's Bay Regional Council

14 December 1999

CONDITIONS

Activity definition

1. The consent holder shall undertake all operations in accordance with any drawings, specifications, statements of intent and other information supplied as part of the application for this resource consent. In the event that there is conflict between the information supplied with the application and any consent condition(s), the condition(s) shall prevail. Such information specifically includes; *Richmond Ltd - Takapau. Resource consent application and assessment of environmental effects of the discharge of stormwater to land, RIC 05, June 1998.*

REVIEW OF CONSENT CONDITIONS BY THE COUNCIL

The Council may review conditions of this consent by serving notice of its intention to do so pursuant to section 128 and section 129 of the Resource Management Act 1991.

Times of service of notice of any review: During the month of May in the years 2000, 2002, 2004, 2009 and 2014.

Purposes of review: To ensure conditions are consistent with any policies and rules in regional plans that may be established after the commencement of the consent.
Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
To deal with any adverse effect on the environment which may arise from the exercise of this consent, which it is appropriate to deal with at that time, or which became evident after the date of issue.

REASONS FOR DECISION

1. The actual and potential effects of the activity are minor because
 - i) the pond has a large retention time,
 - ii) a discharge rarely occurs, and
 - iii) the contaminants in the discharge will have no adverse effect.
2. The activity has been occurring for many years and no adverse effects have become apparent.
3. The activity is consistent with plans, policies and the Resource Management Act.

MONITORING BY THE COUNCIL

Routine inspections of the site of this consent will be undertaken by Council officers at a frequency of no more than four times per year. The costs of these routine inspections and any formal monitoring programme that may be established in consultation with the consent holder will be charged to the consent holder.

“Non routine” inspections will be made on other occasions if there is reason to believe (e.g. following a complaint from the public, or monitoring) that the consent holder is in breach of the conditions of this consent. The cost of non-routine inspections will be charged to the consent holder in the event that non-compliance with conditions is determined, or if the Consent holder is deemed not to be fulfilling the obligations specified in section 17(1) of the Resource Management Act (RMA) 1991 shown below.

Section 17(1) of the RMA 1991 states;

Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on, by or on behalf of that person, whether or not the activity is in accordance with a rule in a plan, a resource consent, section 10, section 10A, or section 20.



Resource Consent Discharge Permit

In accordance with the provisions of the Resource Management Act 1991(RMA), and subject to the attached conditions, the Hawke's Bay Regional Council (the Council) grants a resource consent for a discretionary activity to:

Silver Fern Farms Management Limited

PO Box 941
Dunedin 9054

to discharge partially treated meat processing plant wastewater onto land, in circumstances which may result in the contaminant (or any other contaminant emanating as a result of natural processes from that contaminant) entering water, and to discharge odorous compounds and aerosols into the air associated with the discharge of meat processing plant wastewater.

LOCATION

Block ID (see Appendix 1)	Legal Description	NZTM Reference (at centre of site)
A	Sec 1S Maharakeke Settlement	E1890195 N5564585
B	Pt Lot 1 DP 3357	E1889062 N5564355
C	Lot 5 DP 6204	E1889940 N5563729
D	Lot 4 DP 6204	E1889235 N5563824
E	Pt Lot 1 DP 3357	E1889399 N5565781

CONSENT DURATION

This consent is granted for a period expiring 31 December 2018.

Malcolm Miller
Manager Consents

Under authority delegated by the Hawke's Bay Regional Council
5th February 2016

This consent was originally issued on 14 December 1999 and subsequently changed in accordance with s 127 of the RMA, see consent history, page 18.

CONDITIONS

Activity definition

1. The consent holder shall undertake all operations in accordance with any drawings, specifications, statements of intent and other information supplied as part of the application for this resource consent. In the event that there is conflict between the information supplied with the application and any consent conditions, the conditions shall prevail. Such information specifically includes;
 - a) *Richmond Ltd - Takapau. Resource consent application and assessment of environmental effects for the land treatment of meat processing effluent. RIC 08, June 1998.*
 - b) *Richmond Ltd - Takapau. Resource consent application and assessment of environmental effects for the emissions to air from the land application meat processing effluent. RIC 09, June 1998.*
 - c) *Richmond Ltd - Takapau. Proposed Management plan for the land treatment of meat processing effluent. RIC 08-2, June 1998.*
 - d) *Richmond Ltd – Takapau. Application for variation of resource consent conditions for the abstraction of groundwater, the discharge of meat processing waste water and discharge of yard solids. 6919RIC, November 2002*
 - e) *Application to Change Conditions of Discharge to Land Resource Consents – Assessment of Environmental Effects, Silver Fern Farms Limited – Takapau. Prepared by Pattle Delamore Partners Ltd, February 2010.*
 - f) *Application to Change Conditions of Discharge to Land Resource Consent application, dated 23 November 2015, received by the Council on 2 December 2015.*
2. The volume of waste discharged shall not exceed 35,000 cubic metres during any 7 day period, nor 1,365,000 cubic metres during the period 1 October each year to 30 September the following year.
3. The wastewater shall be passed through screens having a maximum aperture of 1.5 mm before being discharged.
4. The wastewater shall contain no domestic sewage (excluding separated grey water), fellmongery waste, tannery waste nor chemical waste from the processing of casings (other than common salt (NaCl)). No imported wastewater other than truckwash and stock holding tank effluent shall be discharged.
- 4A. Cancelled.

Administrative

5. The consent holder shall appoint a person to be responsible for the day-to-day operation of the wastewater disposal system and to act as a contact for Regional Council staff. The name and phone number of this contact person shall be advised to the Council within 10 working days of the commencement of this consent and within 10 working days of any change.

Mitigation of effects

6. All works and structures relating to this resource consent shall be designed and constructed to conform to the best engineering practices and at all times maintained to a safe and serviceable standard.
7. Cancelled.
8. Cancelled.
9. Wastewater shall only be discharged using travelling irrigators operating at a pressure between 200 and 350 kPa.
- 9A. When operating during daylight hours during the working week, the consent holder shall regularly undertake visual observations of the irrigation network to ensure it is operating correctly. Written records of these observations shall be kept, and made available upon request to the Council (Manager Resource Use).

When operating during the hours of darkness, and over the weekend, all travelling irrigators fitted with an effective monitoring system that will shut down the pump to the irrigator should the pressure drop below 200kPa that are in working order, shall be used, spread across the irrigation network, to detect any significant pressure drop. The consent holder shall undertake regular maintenance on the travelling irrigators, and take all reasonable measures to ensure as many travelling irrigators fitted with monitoring systems are in operation during the hours of darkness, and weekends.

10. Irrigation blocks A - E shall be classified into one of the 'management classes' identified below. Before exercising this consent, and before 31 August each year, the consent holder shall provide the Council with a map identifying the management classification of each of the irrigation runs for the period 1 October each year to 30 September the following year. Any changes to the management classes after 31 August each year shall be submitted to the Council (Manager Resource Use) in writing.

Management classes

- a) Cancelled;
 - b) *Managed cropped pastoral*: Standard pastoral cropping where hay, silage or other crops (including greenfeed) are removed off-site.
 - c) *Managed cropped lucerne*: Lucerne cropping. The crop is cut as frequently as is practicable and removed from the site.
 - d) Cancelled;
 - e) Cancelled.;
- 10A. Cancelled.
 11. Cancelled.
 12. Cancelled.
 13. Cancelled.

14. The total nitrogen from wastewater, 'fertiliser', and solid organic waste material discharged under DP981039Lb, to any irrigation run in Blocks A - E over the period 1 October each year to 30 September the following year shall not exceed:
 - a) Cancelled;
 - b) 600 kg per hectare on any cropped pastoral area, nor;
 - c) 650 kg per hectare on any cropped lucerne area;
 - d) Cancelled;
 - e) Cancelled;
 - f) Cancelled.
15. Cancelled.
16. There shall be no surface runoff of wastewater to adjoining properties (including roads), or to water.
17. No ponding of wastewater for more than 6 hours shall occur up until 30 September 2014, and no ponding of wastewater for more than 2 hours shall occur after 30 September 2014. Nor shall any wastewater be applied to areas where there is surface ponding.
18. There shall be no discharge of wastewater within:
 - a) 20 metres of a surface water body;
 - b) 20 metres of any property boundary;
 - c) 30 metres from any bore unless secure wellhead protection, to the satisfaction of the Council (Manager Resource Use), is in place.
 - d) 150 metres of any occupied dwelling existing on 1 April 1999;
 - e) 500 metres of any occupied downwind dwelling existing on 1 April 1999;
 - f) 50 metres of any bore used for drinking water purposes existing on 1 April 1999.
19. No wastewater shall be discharged on to any part of the 'E-wet' irrigation area when the soil moisture deficit is less than 20 mm, i.e. when the soil moisture is greater than 45 mm.
20. Cancelled.
21. The wastewater 'storage' pond shall be emptied ('empty' is containing less than 500 m³ of wastewater) at least once each operating day, unless soil moisture conditions are not conducive to irrigation.
- 21A. Within one year of the granting of this consent there shall be no more than minor visible deposition of particulate material, including fats, on the surface of the land application area after any discharge of wastewater.

(For the purpose of determining "more than minor visible deposition" refer to Advice Note 1.)

22. There shall be no offensive or objectionable odour beyond the boundary of the property. The 'property' is the outline area shown in Appendix 1 as the Takapau Plant Land Area.

Monitoring

23. All analyses, other than field measurements, required by the conditions of this consent shall be undertaken by a laboratory independently accredited by IANZ. All methodologies adopted shall be appropriate for water and effluent analyses.
24. Prior to 1 July 2012, the consent holder shall, fortnightly during each calendar month of operation, take a 24-hour proportional sample (maximum time interval of 1 hour) from within the discharge pipe at the wastewater storage pond, and analyse it for the following:
- a) pH
 - b) COD
 - c) Total suspended solids
 - d) Chloride
 - e) Ammoniacal Nitrogen
 - f) Total Kjeldahl Nitrogen
 - g) Total phosphorus
 - h) Dissolved reactive phosphorus
 - i) Total fat
 - j) Potassium
 - k) Calcium
 - l) Magnesium
 - m) Sodium
 - n) E. coli
- 24A From 1 July 2012, the consent holder shall, fortnightly during each calendar month of operation, take a 24-hour time flow proportional sample (at intervals to be agreed upon with the Manager Resource Use) from within the discharge pipe at the wastewater storage pond, and analyse it for the analytes listed in condition 24 of this consent.
25. Soil water shall be sampled from at least three lysimeters installed and maintained on each of the blocks A, B, C, D and E-dry. At least three lysimeters shall also be located in a non-irrigated control block, and on the area known as E-wet. Relocation and installation of any existing lysimeters shall be completed within six months of the granting of this consent. The installation of all new lysimeters required by this consent shall be completed within 18 months of the granting of this consent. The location and installation details of any relocated or new lysimeters to be installed shall be agreed upon with Hawke's Bay Regional Council (Manager Resource Use), prior to their installation.

- i. Cancelled.
- ii. Cancelled.
- iii. Cancelled.

Each sample shall be analysed for the analytes at the frequency shown in Table 1 below:

Table 1: Soil water monitoring programme

Analyte	Sampling frequency
Volume	Once every fortnight
Nitrate Nitrogen	Once every fortnight
Ammoniacal Nitrogen	Once every fortnight
Total Kjeldahl Nitrogen	Once every fortnight
Nitrite Nitrogen	Once every fortnight

26. The consent holder shall establish and maintain ground water monitoring bores, at the locations described in Table 2 (see Advice Note 2). The consent holder shall install any new bores in accordance with Hawke's Bay Regional Council guidelines and shall provide the bore logs to the Council. Any bores listed in Table 2 that are not drilled and operational at the time this consent is granted shall be drilled and operational within six months of the granting of this consent. Except that:

- Bore 15958 need only be established if monitoring from bore 4455 is to be phased out.
- Bore 15871 need only be established if monitoring from bore 2898 is to be phased out.
- Bore 15963, need only be established if bore 15638 is to be phased out
- If weather is not conducive to establishing monitoring bores within six months, then establishment timing to be by agreement with the Hawkes Bay Regional Council and to be carried out by 31 Dec 2012.

Table 2: Groundwater monitoring bores

HBRC Bore ID [previous ref No(s).]	Location & depth of bore
HBRC Bore ID 15636 [2425]	HBRC Bore ID 15636 – Immediately up-gradient of any potential effect on groundwater quality of the proposed discharge to Block E. Existing bore is 14m deep with its screen located in the shallow unconfined (or semi-confined) aquifer which occurs at a depth of 5 to 15 metres. Bore located at or about NZTM E1888522 N5565635.
HBRC Bore ID 4456 [2426]	HBRC Bore ID 4456 – Immediately up-gradient of any potential effect to Area B. Screen to be located in the shallow unconfined (or semi-confined) aquifer which occurs at a depth of 5 to 15 metres. Bore located at or about NZTM E1888750 N5564196.
HBRC Bore ID 15954	HBRC Bore ID 15954 – Just prior to the south west corner of Block E, up-gradient of any potential effect on groundwater quality of the proposed discharge to Block E. Bore is 45 m deep with its screen located in the intermediate (or 'main') semi-confined aquifer at a depth of 25 to 45 metres. Bore to be located at or about NZTM E1888755 N5565189.
HBRC Bore ID 15957	HBRC Bore ID 15957 – Just prior to the south west corner of Block E, up-gradient of any potential effect on groundwater quality of the proposed discharge to Block E. Bore is 6.6 m deep with its screen located in the shallow unconfined or semi-confined aquifer at a depth of 5 to 15 metres. Bore to be located at or about NZTM E1888756 N5565193.

<p>HBRC Bore ID 15871</p>	<p>HBRC Bore ID 15871 – In the north east corner of Block C at a site where any effects on the groundwater quality of the proposed discharge are most likely to be detected. Bore is 45.5 m deep with its screen located in the intermediate (or 'main') semi-confined aquifer at a depth of 25 to 45 metres.</p> <p>Bore to be located at or about NZTM E1890351 N5565963.</p>
<p>HBRC Bore ID 15958</p>	<p>HBRC Bore ID 15958 – In the north east corner of Block C at a site where any effects on the groundwater quality of the proposed discharge are most likely to be detected. Bore is 6.04 m deep with its screen located in the shallow unconfined or semi-confined aquifer at a depth of 5 to 15 metres.</p> <p>Bore to be located at or about NZTM E1890357 N5565964.</p>
<p>HBRC Bore ID 4455</p> <p>[2429]</p>	<p>HBRC Bore ID 4455 - Immediately down-gradient of Block C at a site where any effects on groundwater quality of the proposed discharge are most likely to be detected. Existing bore is 9.6m deep with its screen located in the shallow unconfined (or semi-confined) aquifer which occurs at a depth of 5 to 15 metres. If monitoring of this bore is to be phased out in favour of new bore 15958, then transitional activities required: bore to be monitored until Bore 15958 has been monitored for 3 years.</p> <p>Bore located at or about NZTM E1890778 N5564102.</p>
<p>HBRC Bore ID 2898</p> <p>[2433]</p>	<p>HBRC Bore ID 2898 - Immediately down-gradient of Block C at a site where any effects on groundwater quality of the discharge are likely to be detected. Existing bore is 28m deep with its screen located in the intermediate (or 'main') semi-confined aquifer that occurs at a depth of 25 to 45 metres. If monitoring of this bore is to be phased out in favour of new bore 15871, then transitional activities required: bore to be monitored until Bore 15871 has been monitored for 3 years.</p> <p>Bore located at or about E1890987 N5564064.</p>
<p>HBRC Bore ID 15872</p>	<p>HBRC Bore ID 15872 – Immediately up-gradient of any potential effect to Block B, Bore is 12.51 m deep with its screen located in the shallow unconfined (or semi-confined) aquifer which occurs at a depth of 5 to 15 metres.</p> <p>Bore to be located at or about NZTM E1888777 N5564253.</p>
<p>HBRC Bore ID 15959</p>	<p>HBRC Bore ID 15959 – On the terrace up-gradient of any potential effect to Block D. Bore is 45 m deep with its screen located in the shallow unconfined (or semi-confined) aquifer which occurs at a depth of 5 to 15 metres.</p> <p>Bore to be located at or about NZTM E1888586 N5563936.</p>
<p>HBRC Bore ID 15955</p>	<p>HBRC Bore ID 15955 – Immediately up-gradient of any potential effect to Block B. Bore is 44.24 m deep and screened in the intermediate (or 'main') semi-confined aquifer at a depth of 25 to 45 metres.</p> <p>Bore to be located at or about NZTM E2798747 N5564254.</p>
<p>HBRC Bore ID 15960</p>	<p>HBRC Bore ID 15960 – In the control quadrant of Block C, up-gradient of potential effects to Block C south of Oruawhara Road. Bore is 45 m deep with its screen in the shallow unconfined (or semi-confined) aquifer which occurs at a depth of 5 to 15.</p> <p>Bore to be located at or about NZTM E1889586 N5563502.</p>
<p>HBRC Bore ID 15869</p>	<p>HBRC Bore ID 15869 – Immediately down gradient of Block E and G at a site where any effects on groundwater quality of the proposed discharge and any activities occurring on Block G are most likely to be detected. Bore is 45.13 m deep with its screen in the intermediate (or 'main') semi-confined aquifer at a depth of 25 to 45 metres.</p> <p>Bore to be located at or about NZTM E1890383 N5566653</p>

HBRC Bore ID 15961	<p>HBRC Bore ID 15961 – Immediately down gradient of Block E and G at a site where any effects on groundwater quality of the proposed discharge and any activities occurring on Block G are most likely to be detected. Bore is 10.5 m deep with its screen in the shallow unconfined (or semi-confined) aquifer at a depth of 5 to 15 metres.</p> <p>Bore to be located at or about NZTM E1890381 N5566647.</p>
HBRC Bore ID 15870	<p>HBRC Bore ID 15870 – Immediately down gradient of Block G where any effects on groundwater quality of the proposed discharge and any activities occurring on Block G are most likely to be detected. Bore is 45 m deep with its screen in the intermediate (or 'main') semi-confined aquifer at a depth of 25 to 45 metres.</p> <p>Bore to be located at or about NZTM E1890608 N5565541.</p>
HBRC Bore ID 15962	<p>HBRC Bore ID 15962 – Immediately down gradient of Block G where any effects on groundwater quality of the proposed discharge and any activities occurring on Block G are most likely to be detected. Bore is 7.35 m deep with its screen in the shallow unconfined (or semi-confined) aquifer at a depth of 5 to 15 metres.</p> <p>Bore to be located at or about NZTM E1890605 N5565541.</p>
HBRC Bore ID 15935	<p>HBRC Bore ID 15935 - Immediately down-gradient of Block A at a site where any effects on groundwater quality of the proposed discharge are most likely to be detected. Bore is 45 m deep with its screen in the intermediate (or 'main') semi-confined aquifer at a depth of 25 to 45 metres.</p> <p>Bore to be located at or about NZTM E1890682 N5565038.</p>
HBRC Bore ID 15963	<p>HBRC Bore ID 15963 - Immediately down-gradient of Block A at a site where any effects on groundwater quality of the proposed discharge are most likely to be detected. Bore is 14.2 m deep with its screen in the shallow unconfined (or semi-confined) aquifer which occurs at a depth of 5 to 15 metres.</p> <p>Bore to be located at or about NZTM E1890678 N5565026.</p>
HBRC Bore ID 15638 [2428]	<p>HBRC Bore ID 15638 - Immediately down-gradient of Block A at a site where any effects on groundwater quality of the discharge are likely to be detected. Existing bore is 15.96m deep with its screen located in the shallow unconfined (or semi-confined) aquifer at a depth of 5 to 15 metres. If monitoring of this bore is to be phased out in favour of new bore 15963, then transitional activities required: bore to be monitored until Bore 15963 has been monitored for 3 years.</p> <p>Bore located at or about NZTM E1890984 N5565635.</p>
HBRC Bore ID 6720 [2430]	<p>HBRC Bore ID 6720 - At a site where any effects on groundwater quality of parts of the discharge are likely to be detected. Existing bore is 45.7m deep with its screen located in the intermediate (or 'main') semi-confined aquifer that occurs at a depth of 25 to 45 metres.</p> <p>Bore located at or about NZTM E1889627 N5564898.</p>

Previous Ref No(s). relate to Site ID superseded by HBRC Bore ID.

Note: This consent does not authorise the drilling of any new monitoring bores – specific 'bore permits' must be obtained.

27. The elevation (in metres above sea level) of the top of the casing of each monitoring bore shall be determined by the consent holder to an accuracy of $\pm 0.05\text{m}$, and advised to the Council within 90 days of the drilling of the bore.
28. Samples shall be taken from the monitoring bores identified in condition 26 in accordance with "A National Protocol for State of the Environment Groundwater Sampling in New Zealand" (November 2006) and analysed, at the frequency shown in Table 3 below, for the analytes also shown. (Advice note 3)

Table 3: Groundwater monitoring programme

Analyte	Sampling frequency
pH	Once every 2 months
Conductivity	Once every 2 months
Sodium	Once every 2 months
Nitrate Nitrogen	Once every 2 months
Ammoniacal Nitrogen	Once every 2 months
Total Kjeldahl Nitrogen	Once every 2 months
Chloride	Once every 2 months
E. coli	Once every 2 months

29. Cancelled.
30. When samples are taken in accordance with condition 28, the consent holder shall measure and record the date, time and water level (before purging the bore), in each of the monitoring bores identified in condition 26. The water level shall be measured from the top of the casing, and shall be recorded to the nearest 0.01 metres.
31. Water shall be sampled at the sites detailed in Table 4 at a frequency of once every month and analysed for the following;
- pH
 - Temperature
 - Dissolved oxygen
 - Chloride
 - Nitrate Nitrogen
 - Ammoniacal Nitrogen
 - Dissolved reactive phosphorus
 - E. coli
 - Total Kjeldahl Nitrogen

Table 4: Surface water monitoring sites

Site ID	Description	NZTM Ref
397	Porangahau Stream upstream of discharge	At or about E1889114 N5564779
2431	Porangahau Stream downstream of discharge	At or about E1890768 N5565456

* 'Site ID' is the HBRC water quality database ID number

Reporting

32. The consent holder shall maintain a detailed record of wastewater discharged to each irrigation block, including the following;
- The date and time of each application of wastewater;

- b) The soil moisture at the start of each application of wastewater to any run in Block E-wet;
 - c) The irrigation run onto which the wastewater was applied;
 - d) The mass (kg) and rate (kg N/ha) of total nitrogen applied to each irrigation run during each application of wastewater;
 - e) The total cumulative nitrogen applied from all sources to each irrigation run over the period 1 October each year to 30 September the following year (see Advice Note 4);
 - f) The hydraulic loading (application depth in mm) for each application of wastewater to each irrigation run;
 - g) Cancelled;
 - h) The volume (m³) of wastewater applied to each irrigation run for each application.
33. The consent holder shall maintain a record of all activities associated with the wastewater disposal system, including;
- a) Cancelled;
 - b) Cancelled;
 - c) Cancelled;
 - d) The total volume (m³) of wastewater discharged each day;
 - e) The weather conditions, including daily rainfall, potential evapotranspiration, hourly wind speed and direction;
 - f) Details of pipeline flushing.
34. The consent holder shall maintain records of:
- a) The weight of dry matter removed from each irrigation area; and
 - b) The nitrogen content of that dry matter.
 - c) The name and mass (kg) and rate (kg N/ha) of any nitrogen based fertiliser applied, the irrigation block this has been applied to and the date of application.
35. The consent holder shall install, to the satisfaction of the Council (Manager Resource Use), and maintain telemetered soil moisture measuring equipment (Aquaflex or similar) in each irrigation block and a control block. At least three measuring sites shall be required within one irrigation run for each irrigation block, to compensate for spatial variations in soil characteristics and application rate. Relocation and installation of any existing soil moisture measuring equipment shall be completed within six months of the granting of this consent. The installation of all new soil moisture measuring equipment required by this consent shall be completed within 18 months of the granting of this consent. The location and installation details of any relocated or new soil moisture measuring equipment to be installed shall be agreed upon with Hawke's Bay Regional Council (Manager Resource Use), prior to its installation.
36. Cancelled.

37. All irrigation records collected in accordance with this consent shall be summarised for each irrigation run within each irrigation block and provided to the Council at monthly intervals. All records and results of analyses collected in accordance with the conditions of this consent shall be provided to the Council (in electronic form) at monthly intervals, or at any other time that may be requested by the Council. Records shall be provided no more than seven days following the end of the month to which they relate. Raw laboratory data shall be provided to the Council (Manager Resource Use) on request.
38. The consent holder shall log all complaints received. The log shall include the date, time, and nature of the complaint and the name, telephone number, and address of the complainant, weather information (including wind speed and direction), details of key operating parameters at the time of the complaint, the remedial action taken to mitigate the effects of the incident and the steps taken to prevent further incidents. Complaints shall be reported to the Council within 24 hours of receipt and the log of complaints shall be made available to the Council on request.
39. Before 31 December 2000 and annually thereafter, the consent holder shall provide the Council with a monitoring report for the 12 month period ending at the previous 30 September. The format of the monitoring report shall be to the satisfaction of the Council (Manager Resource Use) and shall include (but not be limited to);
 - a) A summary of analyses and records collected in accordance with the conditions of this consent; and
 - b) A comment on the extent that each consent condition has been complied with.

New Conditions following s 127 Application 13 April 2010.

40. The rate of wastewater application to land, over all blocks, shall comply with the following:

Maximum Application Depth (mm per application)	Minimum Return Period (Days)
Up to 30	7
31 to 45	10
46 to 65	14

41. The discharge of wastewater to land shall not exceed 65 mm per application.
42. From 1 July 2014, the field capacity of any irrigated soil shall not be exceeded as a result of the discharge of wastewater.
43. The consent holder shall maintain flow meters on every travelling irrigator in accordance with the Council's *"Technical Specifications and Installation Requirements for Flow Meters"* (February 2010) (as attached).
44. For every irrigator on which telemetry equipment has not been installed, the consent holder shall read the wastewater flow meters at daily intervals and shall provide the Council with a record of the following:
 - a) The meter readings (in cubic metres);
 - b) The daily volume of wastewater discharged to each block (in cubic metres);
 - c) The date and time of each reading;

d) The block that the record relates to.

This information shall be supplied no later than 7 days after the end of each month.

For irrigators on which telemetry equipment has been installed, that equipment shall be capable of measuring the instantaneous discharge rate (L/sec) and the daily volume of wastewater discharged (m^3) to each irrigator, to an accuracy of +/- 5%. The telemetered flow meters shall be maintained in accordance with the Council's *"Technical Specifications and Installation Requirements for Flow Meters"* (February 2010). Rates, volumes, pressures, location and speeds shall be recorded every 15 minutes, and every 15 minute interval of data shall be date and time stamped with the New Zealand Standard Time at the end of the 15 minute interval. Data shall be transmitted to the Hawke's Bay Regional Council telemetry system at least once per day.

45. The consent holder shall install, to the satisfaction of the Council (Manager Resource Use), and maintain telemetered rainfall measuring equipment at the site that is capable of measuring rainfall (mm) in real time.
46. The mass and rate of total nitrogen applied to each irrigation run during each application of wastewater, as specified in condition 32(d) of this consent, shall be calculated as follows:
 - a) The average monthly total nitrogen concentration (g/m^3) shall be calculated by averaging the last wastewater sample from the previous month and the two wastewater samples in the month to be calculated. These samples shall be taken in accordance with condition 24 of this consent.
 - b) The average monthly total nitrogen concentration for each month shall then be multiplied by the volume (m^3) of wastewater applied to each irrigation run, in order to calculate the mass of total nitrogen applied (kg) per application to each irrigation run.
 - c) The mass of total nitrogen applied (kg) per application shall then be divided by the area (ha) of each irrigation run to calculate the rate (kg N/ha) of nitrogen loading per application per irrigation run.
 - d) The area (ha) irrigated during each application of wastewater shall be calculated by multiplying the distance the irrigator travelled by the irrigation run width.
47. The consent holder shall submit to the Council (Manager Resource Use), by 31 December each year, an annualised nutrient mass balance, for the 12 -month period ending at the previous 30 September. The nutrient mass balance shall provide an estimate of the annual losses of nitrogen (in kg N/ha) from each of the irrigation areas and crop management classes and the detailed calculations that were used to generate the nutrient mass balance.
48. The consent holder shall engage the services of a suitably qualified ecologist to undertake macroinvertebrate monitoring at the sites listed in Table 4 of this consent. The sampling shall be undertaken once annually during the period 1 January to 31 March, at least 4 weeks following a "significant fresh". For the purposes of this consent a "significant fresh" is defined as 3 times the median flow (see Advice Note 5). The results of the sampling shall be submitted to the Council within one month of being received by the consent holder.
49. By 30 September each year the consent holder shall submit to the Council (Manager Resource Use) the results of analyses of soil samples taken from areas representative of each soil type and cover crop combination within the 213 hectares of land application

area. The soil sampling shall be undertaken by a suitably qualified person approved by the Council (Manager Resource Use) prior to the commencement of sampling.

(A "suitably qualified person" means a person who has several years as a practitioner of taking soil samples and whose judgement can be used to resolve a technical problem with sampling.)

50. The soil samples required by condition 49 shall be analysed for the following:
- a) Olsen-P
 - b) Total phosphorous
 - c) pH
 - d) Soil moisture
 - e) Cation Exchange Capacity
 - f) Total Base Saturation
 - g) Calcium
 - h) Potassium
 - i) Magnesium
 - j) Sodium
 - k) Anion Storage Capacity
 - l) Total Organic Carbon
 - m) Available Nitrogen (Anaerobic Mineralisable N)
51. The soil samples for each area sampled shall consist of 0-75 mm cores collected along a stretched 'W', or 'X' transect, or a grid pattern in each area. Each sample shall consist of not less than 20 entire cores to form a composite sample.
52. The consent holder shall record the GPS location, operating speed (m/s) and operating pressure (kPa) of each of the travelling irrigators used to discharge wastewater on which GPS equipment has been installed, at all times when they are in operation. For irrigators on which GPS equipment has not been installed, the consent holder shall record the GPS location of the irrigator, and time, at the start, and end, of each irrigator run.
53. All time-series data required to be recorded by Conditions 35, 43, 45 and 52, shall:
- a) record the rates, volumes, pressures, location and speeds every 15 minutes. Each 15 minute interval of data shall be date and time stamped with the New Zealand Standard Time at the end of the 15 minute interval.
 - b) Data shall be transmitted to the Hawke's Bay Regional Council telemetry system at least once per day.
 - c) Shall be transmitted in a format compatible with Hawke's Bay Regional Council telemetry system and storage system.

54. The consent holder shall calibrate the wastewater and waste solids irrigators in accordance with the method outlined in the "Wastewater and Solids Management Plan" at least once every three months to determine the irrigator application rate (in mm per pass or mm per hour). The results of each calibration shall be recorded and submitted to the Council (Manager Resource Use) in accordance with condition 37 of this consent.
55. There shall be no grazing of stock at any time on blocks A – E without the prior approval of the Hawke's Bay Regional Council (Manager Resource Use).
56. The consent holder shall undertake all operations in accordance with a written Wastewater and Solids Management Plan held on site that includes (but is not limited to):
- a) A description of the purpose of the plan;
 - b) The names and contact phone numbers and addresses of key personnel;
 - c) A general description of the activities undertaken at the site;
 - d) Identification of the potential sources of contamination of groundwater and surface water and odour.
 - e) A full description of the systems in place to prevent contamination of groundwater and surface water and odour.
 - f) Relevant operating procedures that need to be undertaken and the frequency by which they must be undertaken.
 - g) Details of the method used to calibrate the travelling irrigators at each of the speeds they are operated at and to calibrate the waste solids irrigators.
 - h) An inventory of relevant equipment and materials;
 - i) An equipment maintenance programme;
 - j) A contingency plan in the event that there is an adverse effect as a result of contamination of groundwater or surface water, or an offensive or objectionable odour beyond the boundary;
 - k) A list of records that need to be kept including maintenance and control parameters, weather records and complaint and investigation records;
 - l) A description of staff training relating to the management of wastewater, including methods, frequency and training records;
 - m) A description of the process for reviewing the overall system performance.
57. The consent holder shall review and update the Wastewater and Solids Management Plan at least every two years and shall provide a copy of the Wastewater and Solids Management Plan to the Council (Manager Resource Use) on request.
58. No later than one year prior to the expiry of the consent, the consent holder shall submit to the Council (Manager Resource Use) a peer reviewed report that details (but is not limited to) future wastewater treatment, discharge and storage options. The purpose of the report will be to initiate pre-application discussions with the Hawke's Bay Regional Council, prior to the application for a new consent.

59. This consent is complementary to and is exercised in conjunction with consent number DP981039Lb.

REVIEW OF CONSENT CONDITIONS BY THE COUNCIL

The Council may review conditions of this consent by serving notice of its intention to do so pursuant to section 128 and section 129 of the Resource Management Act 1991.

Times of service of notice of any review: During the month of May of any year.

Purposes of review:	To ensure conditions are consistent with any policies and rules in regional plans that may be established after the commencement of the consent. Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment. To deal with any adverse effect on the environment which may arise from the exercise of this consent, which it is appropriate to deal with at that time, or which became evident after the date of issue. To require the installation of a wastewater holding pond if it is evident that the conditions of this consent cannot be complied with. To modify the monitoring programme if the record of monitoring to date indicates that it is inappropriate.
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ADVICE NOTES

- 1 The visible deposition of particulate material as shown in the photographs attached to this consent as Appendix 2 shall be considered to be more than minor.
2. A bore permit is required before any new bore can be drilled. Please contact the Hawke's Bay Regional Council to confirm the location of any new groundwater monitoring well prior to it being drilled.
3. The Ministry for the Environment's "A National Protocol for State of the Environment Groundwater Sampling in New Zealand" (November 2006) is available at <http://www.mfe.govt.nz/publications/water/national-protocol-groundwater-dec06/>
4. Total nitrogen from all sources includes nitrogen from wastewater, 'fertiliser', and solid organic waste material.
5. The consent holder is advised to contact the Council's Environmental Science section for information on median flow and assistance with this condition.

REASONS FOR DECISION

(Original decision December 1999)

1. Based on the comprehensive evaluation of resource provided with the application the Council is satisfied that it can sustain the activity.
2. The conditions of consent will ensure that the actual effects of the activity will be adequately monitored and any significant adverse effects that may occur are detected as early as possible.
3. The duration of the consent, and the provision to review conditions is sufficient to provide consent holder with appropriate security without significant risk to the environment or potentially affected parties.
4. The activity is consistent with relevant plans and policies and with the Resource Management Act.

REASON FOR DECISION

(s127 application September 2001)

1. The changes relate to measuring and recording results only and will have no environmental effects.

REASON FOR DECISION

(s127 Application January 2002)

1. The increase in weekly & annual effluent volume and the ability to evaluate trial crops for nitrogen removal efficiency, undertaken in accordance with amended and existing conditions, will result in the adverse effects of the activity being unchanged.

REASON FOR DECISION

(s127 Application April 2009)

The activity will have minor actual or potential adverse effects on the environment and is not contrary to any relevant plans or policies. The activity is also consistent with the purpose and principles of the Resource Management Act 1991.

REASONS FOR DECISION

(Change Of Consent Conditions –May 2012)

The activity will have minor actual or potential adverse effects on the environment and is not contrary to any relevant plans or policies. The activity is also consistent with the purpose and principles of the Resource Management Act 1991.

REASONS FOR DECISION

(Change Of Consent Conditions –November 2013)

The activity will have minor actual or potential adverse effects on the environment and is not contrary to any relevant plans or policies. The activity is also consistent with the purpose and principles of the Resource Management Act 1991.

REASONS FOR DECISION

(Change Of Consent Conditions –February 2016)

The effects of the activity on the environment will not be more than minor. Granting the consent is consistent with the purpose and principles of the RMA, the National Policy Statement for Freshwater, the Resource Management (National Environmental Standards for Sources of Human Drinking Water) Regulations 2007 and with all relevant plans and policies.

MONITORING BY THE COUNCIL

Routine inspections of the site of this consent will be undertaken by Council officers at a frequency of no more than four times per year. The costs of these routine inspections and any formal monitoring programme that may be established in consultation with the consent holder will be charged to the consent holder.

On request the consent holder shall advise the Council of sampling dates and times so that concurrent audit samples can be taken by Council officers. The audit samples will be analysed by an alternative laboratory independently accredited by IANZ, and the costs of sampling and analysis will be charged to the consent holder.

"Non routine" inspections will be made on other occasions if there is reason to believe (e.g. following a complaint from the public, or monitoring) that the consent holder is in breach of the conditions of this consent. The cost of non-routine inspections will be charged to the consent holder in the event that non-compliance with conditions is determined, or if the Consent holder is deemed not to be fulfilling the obligations specified in section 17(1) of the Resource Management Act (RMA) 1991 shown below.

Section 17(1) of the RMA 1991 states;

Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on by or on behalf of the person, whether or not the activity is carried on in accordance with

- a) *any of sections 10, 10A, 10B, and 20A; or*
- b) *a national environmental standard, a rule, a resource consent, or a designation.*

Consent Impact Monitoring

In accordance with section 36 of the RMA (which includes the requirement to consult with the consent holder) the Council may levy additional charges for the cost of monitoring the environmental effects of this consent, either in isolation or in combination with other nearby consents. Any such charge would generally be set through the Council's Annual Plan process.

Debt Recovery

It is agreed by the consent holder that it is a term of the granting of this resource consent that all costs incurred by the Council for, and incidental to, the collection of any debt relating to the monitoring of this resource consent shall be borne by the consent holder as a debt due to the Council, and for that purpose the Council reserves the right to produce this document in support of any claim for recovery.

CONSENT HISTORY

Consent No. (Version)	Date	Event	Relevant Rule Number	Plan
DP981043L & DP981044A	14/12/1999	Consent initially granted	Rule 6-1 Rule 21 Rules 30 & 50	Proposed Regional Water Resources Plan (Dec 2000) Regional Air Plan (Jan 1998) Proposed Regional Resource Management Plan (June 2001)
DP981043La & DP981044Aa	08/05/2012	Change of conditions application withdrawn	Section 127	Resource Management Act
DP981043Lb & DP981044Ab	08/05/2012	Changes to Conditions 1, 4A, 8, 10, 11, 12, 13, 14, 19, 25, 26, 32, 34, 35 and 37	Section 127	Resource Management Act
DP981043Lc & DP981040Ac	02/12/2013	Minor changes to Conditions 26 & 31, and Appendix 1	Section 127	Resource Management Act
DP981043Ld and DP981044Ad	05/02/2016	Change of conditions – Changes to timeframes within the monitoring regime	Section 127	Resource Management Act

Appendix 1: Takapau Plant Land Area Showing Indicative Location of Land Blocks, Bores, Lysimeters, and Surrounding Area.



Appendix 2: Visible Deposition More Than Minor

