



1 Are there any **current** or **expired** consents relating to this proposal?

Yes  No

If yes, please provide consent number(s) and description:

2 Are any other consents required from Environment Southland or **other authorities**?

Yes  No

If yes, please state the relevant authority and the type of consent(s) required:

3 For what **purpose** is this consent(s) required: (e.g. discharge of effluent, gravel extraction etc.)

Discharge of meat effluent sludge (MES) to land

4 **Location** of proposed activity

Address: 185 Oreti Plains Road, Winton, 9783

Legal Description: Please refer to Section 3 in attached AEE

Map Reference (NZTM 2000): 1230794.952 E 4880918.562 N

5 The name and address of the **owner /occupier**: (if other than the applicant)

Name: David Lindsay Phone: 03 2362 898

Address: 381 Boundary Farm Rd, Drummond, RD3, Otautau, Southland 9683

6 **Please attach a map or a coloured aerial photograph, showing at a minimum, the location of the proposed activities.**

Figure 2, Appendix A in attached AEE

## 7 Assessment of effects on the environment (AEE)

Please complete the applicable Part B form(s) for the proposed activities. For those activities where no Part B form is available, please attach a written statement that assesses the effects that your activities may have on the environment. An assessment of effects **must** include the following information:

- (a) *If it likely that the activity will result in any significant adverse effect on the environment, a description of any possible alternative locations or methods for undertaking the activity:*
- (b) *An assessment of the actual or potential effect on the environment of the activity:*
- (c) *If the activity includes the use of hazardous substances and installations, an assessment of any risks to the environment that are likely to arise from such use:*
- (d) *If the activity includes the discharge of any contaminant, a description of—*
  - (i) *the nature of the discharge and the sensitivity of the receiving environment to adverse effects; and*
  - (ii) *any possible alternative methods of discharge, including discharge into any other receiving environment:*
- (e) *A description of the mitigation measures (safeguards and contingency plans where relevant) to be undertaken to help or prevent or reduce the actual or potential effect:*
- (f) *Identification of the persons affected by the activity, any consultation undertaken, and any response to the views of any persons consulted:*
- (g) *If the scale and significance of the activity's effects are such that monitoring is required, a description of how and by whom the effects will be monitored if the activity is approved:*
- (h) *If the activity will, or is likely to, have adverse effects that are more than minor on the exercise of a protected customary right, a description of possible alternative locations or methods for the exercise of the activity (unless written approval for the activity is given by the protected customary rights group).*

You should also include:

- (a) *An assessment of the activity against any relevant provisions of any relevant objectives, policies, or rules:*
- (b) *Any information specified to be included in the application in accordance with the relevant regional plan:*
- (c) *For an application to replace an existing consent, an assessment of the value of the investment of the existing consent holder:*

An assessment of effects **must** address the following matters:

- (a) *any effect on those in the neighbourhood and, where relevant, the wider community, including any social, economic, or cultural effects:*
- (b) *any physical effect on the locality, including any landscape and visual effects:*
- (c) *any effect on ecosystems, including effects on plants or animals and any physical disturbance of habitats in the vicinity:*
- (d) *any effect on natural and physical resources having aesthetic, recreational, scientific, historical, spiritual, or cultural value, or other special value, for present or future generations:*
- (e) *any discharge of contaminants into the environment, including any unreasonable emission of noise, and options for the treatment and disposal of contaminants:*
- (f) *any risk to the neighbourhood, the wider community, or the environment through natural hazards or the use of hazardous substances or hazardous installations.*

## 8 Affected Parties

Please attach written approval from parties who may be affected by your activity. *Written Approval of an Affected Party* forms are available on the Environment Southland website. During the processing of your application, Council may determine that additional approvals are required.

**Checklist: Have you included the following?**

- |                                     |  |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Payment of the required deposit ( <i>see attached fee schedule</i> )   |
| <input type="checkbox"/>            | Written approval from all potentially affected parties ( <i>forms available from the Environment Southland website</i> ) |
| <input checked="" type="checkbox"/> | Site plan/location map/sketch of the proposed activity   |
| <input type="checkbox"/>            | A copy of the Certificate of Incorporation ( <i>where applicant is a company</i> )                                       |
| <input checked="" type="checkbox"/> | Part B form(s) specific to your activity and/or a separate assessment of environmental effects (AEE)                     |

*Notes:*

- (a) *If your application does not contain the necessary information and the appropriate fee, Environment Southland must return the application.*
- (b) *Council cannot accept electronic lodgement of applications at this time.*

**Signature of applicant**

*I hereby certify that to the best of my knowledge and belief, the information given in this application is true and correct.*

*I undertake to pay all actual and reasonable application processing costs incurred by Environment Southland.*

Name (block capitals) Angela Lane

Signed  Date 7 June 2018

*(Signature of applicant or person authorised to sign on behalf of applicant)*

## Fee Schedule

The Council's user charges are fixed under Section 36 of the Resource Management Act 1991. Refunds may be given, or additional fees are charged, where appropriate.

Deposits	
Bores and wells Whitebait stands Transfer of a consent from one person to another Administrative variation	\$100
Certificate of Compliance	\$500
Transfer an activity from one site to another Any other change/variation to an existing consent	\$1,350
All other non-notified applications	\$1,350
Concurrent non-notified consent applications	\$150
Applications that require notification or limited notification	\$2,000

**Note:** *The fees shown in Table 1 are deposits to be paid at the time of application. Due to the complexity of these activities, this deposit will not usually cover the full cost of processing the application. Further costs may be incurred relating to staff time, disbursements, legal charges, consultation fees, and hearing commissioner fees.*

*Concurrent – means for additional permits in respect of the same site, activity, applicant, time of application, and closely related effect as the first application.*

*Environment Southland accepts payment in the forms of cash, Eftpos, cheque, or electronic transfer. All electronic transfers must include the applicant's name and "consent application" as a reference. Please make electronic payments to: Environment Southland, 01-0961-0018998-00.*

**User Charges:** Please note that additional annual Users Charges will apply to all consents. These are payable in advance on the first day of July each year. Schedules 3 and 4 of the Environment Southland User Charges and Fees document outline the fees associated with Annual Administration Charges and Annual Consent Monitoring and Inspection Charges. Schedule 6 Annual Research and Monitoring Charges apply only to surface and groundwater takes and comprise the following:

- **Surface water takes:** A charge of **\$1.72** per year per cubic metre authorised as a maximum daily take. Minimum of **\$138**, maximum of **\$6,895**, per consent.
- **Groundwater takes:** A charge of **\$0.81** per year per cubic metre authorised as a maximum daily take. Minimum of **\$162**, maximum of **\$1,620**, per consent

Municipal and stock water charges are reduced by 50%.

Environment Southland's User Charges and Fees document is available at: [www.es.govt.nz/resource-consent/fees](http://www.es.govt.nz/resource-consent/fees)

# Application to Discharge to Land (PART B) (non-dairy activity)



This application is made under Section 88 of the Resource Management Act 1991

**A complete Part A form needs to be provided with this Part B form.** The purpose of this Part B form is to provide applicants with guidance on information that is required under the Resource Management Act 1991. These forms are to act as a guide only and Environment Southland reserves the right to request additional information. **Please also refer to Appendix A of the Regional Water Plan for Southland, 2010 and the proposed Southland Water and Land Plan, 2018.**

To: Environment Southland  
Private Bag 90116  
Invercargill 9840

**1 What is this application for?**

- The discharge of contaminants to land where it may enter water
- The discharge of contaminants to land

**2 What duration of resource consent is sought?** 25 years

**3 Please describe the proposed activity:**

Please see Section 4 of the attached AEE

**4 Please describe the following elements of the proposed discharge to land:**

(a) The chemical content (including heavy metals or toxic substances, nitrates, ammonia and dissolved reactive phosphorous)

Please see Section 4 of the attached AEE

(b) Number of discharge points Please refer to Section 4 of AEE

(c) Location/area of each discharge point Please refer to Figure 2, Appendix A of AEE

(d) Maximum rate/thickness of application 10 mm per year

(e) If the proposed discharge is continuous or intermittent Intermittent

- 5 **What is the proposed frequency and seasonality of discharge (e.g. hours, days, weeks and months that the discharge will occur). Please describe any variations, where appropriate.**

Application will occur between September and March each year, when soil moisture conditions allow. Please refer to Section 4 of the AEE for further information.

- 6 **Has there been any discharge monitoring carried out in relation to this proposal, or do you have access to any background monitoring? If yes, please describe and attach results.**

There has been no discharge monitoring in relation to this proposal. However, discharge of MES to land at 1038 Otapiri Gorge Road, Winton (Consent No. AUTH-20167378-01 & 02) requires annual monitoring. These reports have been provided to Environment Southland on a yearly basis and explain what has been monitored and the location and amount of MES that has been applied each year.

- 7 **What is the depth to groundwater beneath the disposal area? Please also discuss seasonal variations in groundwater depth.**

Please refer to Section 3 of the attached AEE.

- 8 **Has a subsoil investigation been carried out?**  Yes  No

*Note: All bore holes and test pits should be drilled in the location of the proposed disposal field and/or reserve area and their location marked on the appended site plan. Generally a minimum of three bore holes or test pits are required for soil category assessment. A separate resource consent may be required for your investigative bore(s).*

**9 Please provide details of the investigation bore(s)/test pits.**

<input type="checkbox"/>	Test pit (maximum depth) _____ m	No of test pits _____
<input type="checkbox"/>	Bore hole (maximum depth) _____ m	No of bore holes _____
<input type="checkbox"/>	Other (specify) _____	
<input checked="" type="checkbox"/>	N/A	

**10 Has percolation or soil infiltration testing been carried out and is the test report attached?**

<input checked="" type="checkbox"/>	No
<input type="checkbox"/>	Yes, please specify method

K value: \_\_\_\_\_

**11 What is the discharge site soil category (based on the dominant soil type in the first 1 m depth)?**

Soil Category	Description	Tick
1	Gravels and sands	
2	Sandy loams	
3	Loams	<input checked="" type="checkbox"/>
4	Clay loams	
5	Light clays	
6	Medium to heavy clays	



**Existing Environment**

12 Are any of the following features found within the existing environment of the proposed activity? Describe these features in the space below, along with details of the assessment undertaken to determine the presence of these features.

	Yes	No
(a) Signs of instream life (e.g. fish, eels, bullies, crayfish, native birds, frogs)?		
(b) Areas where food is gathered from watercourses (e.g. watercress, eels, wildfowl)?		
(c) Wetlands, wildlife habitats or bird nesting habitats (e.g. swamp areas)?		
(d) Other activities occurring in the area (e.g. commercial activity, fishing, swimming, boating)?		✓
(e) Areas of particular aesthetic, cultural or scientific value (e.g. archaeological sites)?		✓
(f) Other waste discharges, any water takes and/or monitoring sites?	✓	

Please refer to Section 3 and 6 of the attached AEE.

**Please also include a map or site plan (and photographs if necessary)** showing the location of roads and property boundaries, water bodies, wetlands and other wildlife habitats, buildings and residential properties, location of discharge points, any registered drinking water takes, and the location of any sensitive sites (e.g. historic places, sites of importance to iwi, public gathering areas etc.) in proximity to the site.

Please see Figure 2, Appendix A and Section 3 of the attached AEE.

***Assessment of Effects***

- 13** Please describe any possible long term or short term effects the discharge may have on the quality of the receiving environment and including effects on water bodies, biota (plant and animal life), soil quality, and odour and dust effects.

Please refer to Section 6 of the attached AEE.

- 14** Pursuant to Schedule 4 of the Resource Management Act, 1991, there are a number of matters that must be addressed by an assessment of environmental effects. Please discuss what effects the proposed activity will have on the following:

- (a) any effect on those in the neighbourhood and, where relevant, the wider community, including any social, economic, or cultural effects

Please refer to Section 6 of the attached AEE

(b) any physical effect on the locality, including any landscape and visual effects

Please refer to Section 6 of the attached AEE

(c) any effect on ecosystems, including effects on plants or animals and any physical disturbance of habitats in the vicinity

Please refer to Section 6 of the attached AEE

(d) any effect on natural and physical resources having aesthetic, recreational, scientific, historical, spiritual, or cultural value, or other special value, for present or future generations

Please refer to Section 6 of the attached AEE

(e) any discharge of contaminants into the environment, including any unreasonable emission of noise, and options for the treatment and disposal of contaminants

Please refer to Section 4 of the attached AEE

- (f) any risk to the neighbourhood, the wider community, or the environment through natural hazards or the use of hazardous substances or hazardous installations

N/A

- 15 Please include a description of the monitoring or mitigation measures (including safeguards and contingency plans where relevant) to be undertaken to help avoid, reduce, remedy or mitigate the actual or potential effects on environmental features and values. For example, if relevant, please include the following:**

- (a) treatment of the contaminants prior to discharge;
- (b) buffer distances from water bodies, sloping land, site boundaries;
- (c) details of any storage to be provided to enable deferred irrigation;
- (d) a description of the monitoring system to be used for checking and recording the quality and quantity of the discharge. Please include how and when the monitoring will occur, and by whom; and
- (e) contingency planning – describe how the equipment controlling the discharge will be operated and maintained to prevent equipment failure, and what measures will be implemented to ensure that the effects of any malfunction are remedied.

Please refer to Sections 4, 9, 10 and 11 of the attached AEE.

16 **Please justify the term of consent sought with regard to any effects on the environment.**

Please see Section 14 and 15 of the attached AEE.

17 **Please include a description of any possible alternative locations or methods for undertaking the activity and why these alternatives have not been selected.**

Please see Section 5 of the attached AEE.

18 **Please include evidence of any consultation undertaken for this application. This may include (but not be limited to) consultation with adjoining landowners, other consent holders in the immediate area, iwi (e.g. Te Rūnanga O Ngāi Tahu, Te Ao Marama Inc), government departments/ministries (e.g. DOC), territorial authorities and recreational associations.**

Please see Section 12 of the attached AEE; the letter addressed to Te Ao Marama dated 26 April 2018; and the email dated 16 May 2018.

**Please note that in accordance with Schedule 4 of the RMA, you may also be required to provide an assessment of whether or not the proposed activity is contrary to any of the relevant provisions of the following documents.**

- (a) Regional Policy Statement for Southland, 2017 (and any proposed/subsequent versions)*
- (b) Regional Water Plan for Southland, 2010 (and any proposed/subsequent versions)*
- (c) proposed Southland Water and Land Plan, 2018 (and any proposed/subsequent versions)*
- (d) National Policy Statement for Freshwater Management, 2014*
- (d) National Environmental Standard for Sources of Human Drinking Water, 2007*

**Staff are able to advise whether this is required, as it is dependant on the location, scale and complexity of your proposal. We invite you to come in for a pre-application meeting with Environment Southland consents staff to discuss this.**

**END OF FORM**

# Application to Discharge Contaminants to Air (PART B)



This application is made under Section 88 of the Resource Management Act 1991

**A complete Part A form needs to be provided with this Part B form.** The purpose of this Part B form is to provide applicants with guidance on information that is required under the Resource Management Act 1991. These forms are to act as a guide only and Environment Southland reserves the right to request additional information.

To: Environment Southland  
Private Bag 90116  
Invercargill 9840

## 1 What is this application for

- |                                     |   |
|-------------------------------------|---|
| <input type="checkbox"/>            | Combustion process  |
| <input type="checkbox"/>            | Quarries/gravel extraction  |
| <input type="checkbox"/>            | Wood/pulp/fibreboard processing industries  |
| <input type="checkbox"/>            | Chemical manufacturing blending processes/electroplating                                  |
| <input type="checkbox"/>            | Abrasive blasting   |
| <input type="checkbox"/>            | Wool scourers and tanneries   |
| <input type="checkbox"/>            | Concrete manufacturing plants   |
| <input type="checkbox"/>            | Foundries   |
| <input type="checkbox"/>            | Rendering/processing of carcasses   |
| <input type="checkbox"/>            | Asphalt production  |
| <input type="checkbox"/>            | Wastewater treatment plant  |
| <input checked="" type="checkbox"/> | Other. Please describe: <u>Discharge of Meat Effluent Sludge to Land via slurry wagon</u> |

2 What duration of resource consent is sought? 25 years

## 3 Please describe the following elements of the proposed discharge of contaminants to air:

- the process (identify all process stages during which contaminants are released into the air);
- the type and amount of raw materials used in the activity (including type and quality of fuel used);
- the product made from the activity;
- the equipment used in the process;
- the contaminants discharged to the atmosphere;
- concentration of contaminants in the discharge (ppm);
- number of discharge points;

- (h) location of each discharge point;
- (i) height of each discharge point (chimney/vent);
- (j) the discharge chimney/vent fitting, including the diameter of the fitting and any associated treatment infrastructure, such as bag houses; and
- (k) the velocity of discharge.

Please see Section 4 of the attached AEE.

4 **What is the proposed frequency and seasonality of the discharge (e.g. usual duration of the discharge and days and hours of operation)? Please describe any variations, where appropriate.**

Application will occur between September and March each year, when soil moisture conditions allow. Please refer to Section 4 of the AEE for further information.

5 **Has there been any discharge monitoring carried out in relation to this proposal, or do you have access to any background monitoring? If yes, please describe and attach results as appropriate.**

There has been no discharge monitoring in relation to this proposal. However, discharge of MES to land at 1038 Otapiri Gorge Road, Winton (Consent No. AUTH-20167378-01 & 02) requires annual monitoring. These reports have been provided to Environment Southland on a yearly basis and explain what has been monitored and the location and amount of MES that has been applied each year.

6 **Has any meteorological data relevant to the site been obtained? If yes, please describe.**

Climate data - Please refer to Section 3 of the attached AEE.

7 **The following table provides additional specific information requirements for industry groups. Please include information on separate paper if required.**

Combustion processes	<ul style="list-style-type: none"><li>- Describe combustion processes and details of boiler or heat unit.</li><li>- Heat release rate (kilowatts, megawatts).</li><li>- Condition of boiler or heat unit, chimney and details of last service.</li></ul>
Quarries	<ul style="list-style-type: none"><li>- Describe quarrying process.</li><li>- Type of rock being mined.</li><li>- Open cast extraction capacity (tonnes/hour).</li><li>- Size reduction and screening capacity (tonnes/hour).</li><li>- Storage capacity (tonnes/hour).</li><li>- Quarry management plan.</li></ul>
Wood processing industries	<ul style="list-style-type: none"><li>- Particulate emission test (to determine dust concentration and mass emission levels discharged from the stack, measured over three runs, with all wood sanding equipment working at same time).</li></ul>
Abrasive blasting	<ul style="list-style-type: none"><li>- Describe details of blasting chamber, blasting media used.</li></ul>



	- Particulate emission tests (to determine dust concentration and mass emission levels discharged from the vent, measured over three runs).
Wool scourers and tanneries	- Describe paint and solvents used (provide MSDS where available). - Paint and solvent usage rates.
Concrete manufacturing plants	- Give details of raw material capacity (tonnes/hour).
Rendering process	- Describe the high/low temperature and drying of the rendering process. - Describe combustion process (if applicable, i.e., type of combustion process, fuel used, fuel combustion rate, concentration).

***Existing Environment***

8 Are any of the following features found within the existing environment of your proposed discharge to air? If so, describe these features in the space below. Please also describe any additional features of the surrounding environment where your proposed discharge will take place (for example existing vegetation, man-made features, wildlife, water features and topographical features).

	Yes	No
(a) Residential and/or community areas?	✓	
(b) Production land (e.g. crops, dairy farming)?	✓	
(c) Recreational activities carried out (e.g., sports grounds, parks etc.)?		✓
(d) Sources of similar or other discharges to air?	✓	
(e) Areas of particular aesthetic, scientific value (e.g. scenic views )?	✓	
(f) Areas of significance to iwi?		
(g) Commercial activities (e.g. office blocks)?		✓

Please refer to Section 3 of the attached AEE.

**Please also include a map or site plan (and photographs if necessary)** showing the site boundary, the location of roads and property boundaries, wetlands and other wildlife habitats, buildings and residential properties, location of processes and discharge points, and the location of any sensitive sites (e.g. historic places, sites of importance to iwi etc.) in proximity to your site.

*Assessment of Effects*

- 9 Please describe any possible odour, dust, smoke or haze that may result from your proposed discharge to air.

Please refer to Section 6 of the attached AEE.

- 10 Please describe any possible long term or short term effects the discharge may have on the quality of the receiving air, persons living or working in the area and local biota (plant and animal life).

Please refer to Section 6 of the attached AEE.

- 11 If hazardous substances and installations are involved, describe any risks to the environment which are likely to arise from their storage and/or use.

N/A

- 12 Pursuant to Schedule 4 of the Resource Management Act, 1991, there are a number of matters that must be addressed by an assessment of environmental effects. Please discuss what effects the proposed activity will have on the following:

- (a) any effect on those in the neighbourhood and, where relevant, the wider community, including any social, economic, or cultural effects

Please refer to Section 6 of the attached AEE.

(b) any physical effect on the locality, including any landscape and visual effects

Please refer to Section 6 of the attached AEE.

(c) any effect on ecosystems, including effects on plants or animals and any physical disturbance of habitats in the vicinity

Please refer to Section 6 of the attached AEE.

(d) any effect on natural and physical resources having aesthetic, recreational, scientific, historical, spiritual, or cultural value, or other special value, for present or future generations

Please refer to Section 6 of the attached AEE.

(e) any discharge of contaminants into the environment, including any unreasonable emission of noise, and options for the treatment and disposal of contaminants

Please refer to Section 4 of the attached AEE.

- (f) any risk to the neighbourhood, the wider community, or the environment through natural hazards or the use of hazardous substances or hazardous installations

N/A

**13 Please include a description of the monitoring or mitigation measures (including safeguards and contingency plans where relevant) to be undertaken to help avoid, reduce, remedy or mitigate the actual or potential effects on environmental features and values. For example, if relevant, please include the following:**

- (a) a description of the monitoring system to be used for checking and recording the discharge and its effects. Please include how and when the monitoring will occur, and by whom;
- (b) contingency planning – describe how the equipment controlling the discharge will be operated and maintained to prevent equipment failure, and what measures will be implemented to ensure that the effects of the malfunction are remedied; and
- (c) a description of pollution control equipment or any other mitigation measures.

Please refer to Sections 4, 9, 10 and 11 of the attached AEE.

- 14 Please justify the scale of discharge and the term of consent sought with regard to any effects on the environment.

Please see Section 14 and 15 of the attached AEE.

- 15 Please include a description of any possible alternative locations or methods for undertaking the activity and why these alternatives have not been selected.

Please see Section 5 of the attached AEE.

- 16 Please include evidence of any consultation undertaken for this application. This may include (but not be limited to) consultation with adjoining landowners, other consent holders in the immediate area, iwi (e.g. Te Rūnanga O Ngāi Tahu, Te Ao Marama Inc), government departments/ministries (e.g. DOC), territorial authorities and recreational associations.

Please see Section 12 of the attached AEE; the letter addressed to Te Ao Marama dated 26 April 2018; and the email dated 16 May 2018.

**Please note that in accordance with Schedule 4 of the RMA, you may also be required to provide an assessment of whether or not the proposed activity is contrary to any of the relevant provisions of the following documents.**

- (a) National Environmental Standards for Air Quality, 2004 (amended 2011)*
- (b) Regional Policy Statement for Southland, 1997 (and any proposed/subsequent versions)*
- (c) Regional Air Quality Plan for Southland, 1999 (and any proposed/subsequent versions)*

Staff are able to advise whether this is required, as it is dependant on the location, scale and complexity of your proposal. We invite you to come in for a pre-application meeting with Environment Southland consents staff to discuss this.

**END OF FORM**