



**environment
SOUTHLAND**

**File No: B356-003, Previously B324-001
Date: 29 February 2012**

Cnr North Road and Price Street
(Private Bag 90116)
Invercargill

Telephone (03) 211 5115
Fax No. (03) 211 5252
Southland Freephone No. 0800 76 88 45

Transfer of Discharge Permit

The **Southland Regional Council** has received notification of the transfer of the Discharge Permit number 206373.

From: Blue River Products Ltd

of: P O Box 1547, Invercargill 9840

To: Blue River Dairy Ltd Partnership

of: P O Box 1547, Invercargill 9840

(Please note your responsibilities as a permit holder under the following schedule of conditions)

Details of Permit

Purpose for which permit is granted:	To discharge contaminants to air from a milk processing factory
Location	111 Nith Street, Invercargill
- site locality	E46:5245-1079
- map reference	Air
- receiving environment	Invercargill
- airshed	
Legal description of land at the site:	Lots 1 & 2 DP 2591, Lots 1 & 2 DP 2294, Pt Lot 4 DP 2294, Secs 7, 8, 12, 13, 14, 23 Blk XXVIII Town of Invercargill
Expiry date:	30 June 2034

Schedule of Conditions

1. This resource consent shall expire on 30 June 2034.

(Note: Pursuant to Sections 123 and 124 of the Resource Management Act 1991, a new consent will be required at the expiration of this consent. The application will be considered in accordance with the plans in effect at that time, and the adverse effects of the proposed activity).

Environment Southland is the brand name of
the Southland Regional Council

2. a. The discharge shall be only combustion products from two liquid petroleum gas (LPG)-fired boilers having a nett energy output capacity of up to 1.14 megawatts each, a milk powder drying plant having a production capacity of up to 170 kilograms per hour, and associated processes as described in the application for consent.
b. The discharge shall be from the property described in Appendix 1, at about map reference NZMS 260 E46:5245-1079.
3. There shall be no discharge of odour or particulate matter from the boilers, the milk processing plant or any associated activity that is offensive or objectionable to the extent that it causes an adverse effect at or beyond the boundary of the property on which the consent is exercised.
4. The processes resulting in discharges to air shall be operated and maintained using either the emission control mechanisms as described in the application, or using processes which provide at least an equivalent level of emission control. Details of any changes shall be included in the Annual Environmental Report to the Southland Regional Council required under Condition 12.
5. Differential pressure sensors shall be installed to electronically monitor differential pressure across the bag filtration unit and the differential pressure shall be continuously displayed. Any change in differential pressure that may indicate bag filter failure or malfunction shall be investigated immediately and resulting corrective actions shall be recorded in the Annual Environment Report required under Condition 12.

LPG-Fired Boilers

6. The LPG burning rate in each boiler shall not exceed 197 litres per hour.
7. (a) The discharge to air from the boilers shall occur via stacks at a height of at least 25 metres above local ground level.
(b) The discharges shall be directed vertically into air and shall not be impeded by any obstruction above the stack that decreases the vertical efflux velocity below that which would occur in the absence of such obstruction.
8. The opacity of emissions from the chimney stacks shall not be darker than Ringelmann Shade 1 as described in New Zealand Standard 5201:1973, except for a period not exceeding a total of two minutes in each hour of operation.
9. The boilers shall be serviced at least once every year, by a person competent in the servicing of such equipment. This maintenance shall include: carbon deposit removal; adjustment if necessary of the fuel to air ratio; and testing of the ratio of combustion gases discharged, i.e. carbon monoxide, carbon dioxide and oxygen, using a suitably calibrated instrument. Servicing reports shall be prepared and copies shall be provided to the Southland Regional Council on request. Confirmation that this servicing has been undertaken, and at least a summary of the service reports shall be reported to the Southland Regional Council in the Annual Environmental Report required under Condition 12.

Milk Powder Plant

10. (a) Discharges to air from the milk powder drier stack shall be via a cyclone and bag filter unit through a stack discharging vertically without impediment with minimum height above ground level (including building height) of 14.5 metres, with the actual stack height being no less than 2.5 metres above the roof ridgeline of all buildings on the consent holder's property. The minimum efflux velocity of exhaust air from the drier stack shall be 20 metres per second at the maximum continuous rating of the drier. The concentration of total suspended particulate in the drier stack exhaust air shall not exceed 15 milligrams per cubic metre corrected to 0 degrees Celsius, 101.3 kilopascals, on a dry gas basis. The emission rate of suspended particulate matter from the drier stack shall not exceed 62 grams per hour.
- (b) The consent holder shall install sampling port(s) in the drier stack in accordance with Australian Standard AS4323.1-1995 or equivalent method for the provision and location of sampling ports, services, platforms and access as well as provision of single phase electrical supply.
- (c) The concentration and emission rate of total suspended particulate matter in the drier stack exhaust air shall be measured within six months after commencement of consent and thereafter at least every twelve months to confirm compliance with Condition 10(a). Measurement of the discharge from the stack shall occur when the plant is operating at least 75 percent of its maximum continuous rating. Testing, and analysis of samples as appropriate, shall be carried out by an organisation and by a laboratory accredited by IANZ for the tests and analyses involved.
- (d) The method of sampling and analysis for total particulate matter shall comply with US Environmental Protection Agency (USEPA) Methods 5 or Method 17, ISO 9096:2003 or ASTM D3685-98, or a similar method to the satisfaction of the Southland Regional Council. Results shall be adjusted to zero degrees Celsius, 101.3 kilopascals, on a dry gas basis, and as a mass emission expressed as grams per hour.
- (e) The volumetric flow and temperature in the drier stack shall be determined and recorded and results presented as a part of the particulate emission test report.
- (f) The results of emissions tests and other information and a description of the testing methods used shall be provided to the Southland Regional Council within 20 working days following receipt by the consent holder of the testing report. A summary of the results and other information shall be included the Annual Environmental Report required under Condition 12.

Reporting

11. A record of all complaints made to the consent holder relating to odour or particulate matter shall be maintained, and shall include:
- (a) The location where the odour or particulate matter was detected by the complainant;
- (b) The date and time when the odour or particulate matter was detected;
- (c) A description of the wind speed and wind direction, and rainfall if any, when the odour or particulate matter was detected by the complainant;
- (d) The most likely cause of the odour or particulate matter detected; and
- (e) Any corrective action undertaken by the consent holder to avoid, remedy or mitigate the odour or particulate matter detected by the complainant.

The record of complaints shall be provided to the Southland Regional Council on request, and as part of the Annual Environmental Report required under Condition 12.

12. The consent holder shall, no later than 30 September of each year, provide an Annual Environmental Report to the Southland Regional Council setting out all monitoring and reporting results required by conditions of consent and their interpretation by an appropriately qualified person, including emission tests undertaken in relation to this consent over the previous period. Where the result of any test or monitoring undertaken in relation to this consent exceeds the relevant limit or does not comply with the relevant condition, then the steps that were taken to rectify the non-compliance shall be provided.

Management & Contingency Plan

13. The consent holder shall prepare, through the services of an independent appropriately qualified person(s), an "Air Discharge Management & Contingency Plan" (The Plan). The purpose of the Plan shall be to:
- (a) Describe the operation of the plant in relation to its potential impacts on the air environment;
 - (b) Define the actions to be taken to ensure compliance with all conditions of this consent, or in response to any incident which may impact adversely on the environment; and
 - (c) Present contingency plans in the event of mechanical or electrical or other problems that provide for continuing operation of processes and/or timely shutting down of processes as the case may be, to ensure conditions of this consent are not breached.

The Plan shall include details of the steps to be taken to correct any non-compliances identified. The plan shall be provided to the Southland Regional Council within 3 months of the commencement of this consent. The Plan shall be reviewed at least on an annual basis and it may be amended at any time during the period of this consent as the independent qualified person(s) considers appropriate to improve management and contingency procedures. If/when the Plan is amended, a copy of the amended version, (or amended sections) shall be sent to the Southland Regional Council as soon as practicable following amendment. Amendments to the Plan shall be referenced in the Annual Environmental Report required under Condition 12.

Administration Charges

14. Charges, set in accordance with section 36(1) of the Resource Management Act 1991, shall be paid by the consent holder to the Southland Regional Council for the carrying out of its functions in relation to the administration, monitoring and supervision of resource consents and for the carrying out of its functions under section 35 of the Resource Management Act 1991. This may include inspecting the site once each year.

Review of Consent

15. The Southland Regional Council may, during the months of May and November each year, serve notice of its intention to review the conditions of this consent for the purposes of:
- (a) Dealing with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage;
 - (b) Requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment; and
 - (c) Modifying or extending any of the monitoring requirements of this consent.

for the **Southland Regional Council**

W J Tuckey
Director of Environmental Management

Appendix 1 – Legal Description of Property

Lot 2 DP 2294

Lot 1 DP 2294

Lot 2 DP 2591

Lot 1 DP 2591

Section 8 Block XXVIII Town of Invercargill

Section 7 Block XXVIII Town of Invercargill

Pt Lot 4 DP 2294

Section 23 Block XXVIII Town of Invercargill

Section 14 Block XXVIII Town of Invercargill

Pt Section 13 Block XXVIII Town of Invercargill

Pt Section 12 Block XXVIII Town of Invercargill