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**environment
SOUTHLAND**

Air Discharge Permit

Pursuant to Section 105(1) of the Resource Management Act 1991, a resource consent is hereby granted by the Southland Regional Council to **Blue Sky Meats (NZ) Ltd** (the “consent holder”) of **Morton Mains, R D 1, Invercargill** from 23 May 2003.

Please read this Consent carefully, and ensure that any staff or contractors carrying out activities under this Consent on your behalf are aware of all the conditions of the Consent.

Details of Permit

Purpose for which permit is granted: To discharge contaminants to the air from a meat processing plant, rendering and blood drying plant and associated boilers

Location	- site locality	Morton Mains
	- map reference	F46:745:195
	- receiving environment	Air

Legal description of land at the site: Lot 1 DP 595 and Pt Lots 7 & 8 DP 159 being Pt Sec 42 Blk VIII Lothian HD; Lots 9, 12 and 13 DP 159 and Lots 292 and 293 DP 155 being Sec 42 Blk VIII Lothian HD; Lot 1 DP 12016 being Pt Sec 12 Blk VIII Lothian HD; Lot 1 DP 8287 and Lot 1 DP 12194

History of Amendments: Conditions amended on 22 April 2009, 8 June 2015, and 30 March 2016 as follows.
Consent varied on 22 November 2018.
Conditions amended on 28 February 2019

Expiry date: 31 December 2022

Schedule of Conditions

General

1. This resource consent shall expire on 31 December 2022.
2. This consent allows the discharge of contaminants from the applicant's industrial premises at Morton Mains from the following sources, as described in the original application; the variation application dated 5 March 2015 and further information dated 14 May 2015 and 27 May 2015, and the application for variation to the refrigerant system dated 13 December 2018, subject to the conditions set out in this document:
 - (a) A rendering plant processing up to 5,750 kg of raw material per hour;
 - (b) A blood processing and drying operation;
 - (c) A meat processing plant;
 - (d) Collection and treatment of wastewater from rendering and meat processing, until the date that the wastewater treatment system described in the 13 December 2018 application is commissioned;
 - (e) Irrigation onto land of up to 1000 cubic metres per day of wastewater;
 - (f) One 4.3 MW coal-fired boiler;
 - (g) One 2 MW coal-fired boiler;
 - (h) Offal pits;
 - (i) Salting shed

Boilers

3.
 - (a) The maximum coal burning rate in the 4.3MW boiler shall not exceed 1350 kilograms of coal per hour.
 - (b) The maximum coal burning rate in the 2MW boiler shall not exceed 630 kilograms of coal per hour.
4. The opacity of emissions from the chimney stacks of the coal-fired boilers shall not be darker than Ringelmann Shade 1 as described in New Zealand Standard 5201:1973 except:
 - (a) in the case of a cold start, for a period not exceeding 30 minutes in the first hour of operation; and
 - (b) for a period not exceeding a total of four minutes in each succeeding hour of operation.
5.
 - (a) The discharge into air from the 4.3MW boiler shall occur via a stack at a height of at least 20 metres above ground level and at least 9 metres above the roof ridgeline of any adjacent building.
 - (b) The discharge into air from the 2MW boiler shall occur via a stack at a height of at least 19 metres above ground level and at least 10 metres above the roof ridgeline of any adjacent building.

- (c) The discharges shall be directed vertically into air and shall not be impeded by any obstruction above the stack which decreases the vertical efflux velocity.
6. The sulphur content of a representative sample of the coal burned shall not exceed 0.5 percent by weight. The ash content of that sample shall be less than 7 percent by weight. The sample shall contain less than 30 percent by weight of fine particles having a diameter of less than 3.35 millimetres.
7. (a) The concentration of particulate matter in combustion gas discharged from the coal-fired boiler chimney stacks shall not exceed 500 milligrams per cubic metre adjusted to 0 degrees Celsius, dry gas basis, 101.3 kilopascals, and 8 percent oxygen or 12 percent carbon dioxide.
- (b) Any measurement to confirm compliance with the particulate concentration limit shall occur when the tested boiler is operating at greater than 75 percent of the maximum continuous rating. The method of sampling and analysis shall comply with ISO 9096:1992(E), and may include methods BS 6069: 1992, ASTM D3685-78, ASTM D3685M-92, AS 4323.2-1995, US EPA Method 5, US EPA Method 17 or an equivalent method that complies with the fundamental sampling requirements of ISO 9096:1992(E).
8. The boiler stacks shall be fitted with source emission test ports and safe access for testing, to the satisfaction of Environment Southland.
9. The coal-fired boilers shall be serviced and maintained to ensure compliance with Conditions 4 and 7(a) at all times. Service reports shall be prepared and retained, and copies shall be provided to Environment Southland on request.

Rendering and Meat Processing

10. (a) Only fresh raw material or suitably preserved material shall be processed in the rendering plant.
- (b) Raw material for rendering shall not be held on-site for more than 24 hours.
- (c) Suitably preserved material shall be material that is chilled or frozen and is derived from cutting, boning or further processing of animal tissue that has been chilled or frozen within 24 hours of the time of slaughter.
11. The air within the rendering plant building shall be maintained at negative pressure at all times during processing such that all ventilation air is discharged via a biofilter, as described in the application.
12. The rendering plant biofilter shall be capable of treating at least 12 air changes per hour and shall contain filter media to a depth of at least 1 metre. Design plans of the biofilter shall be provided to Environment Southland for approval, prior to construction.

13. Processing areas, collection sumps and traps in the meat processing plant and rendering plant shall be cleaned at least daily to minimise odour emissions.

Wastewater Treatment and Irrigation

14. (a) Wastewater shall be maintained in an aerobic condition using two Apex 45 aerators in order to minimise odour, as described in the application to vary the consent lodged on 1 March 2016. Wastewater shall not be held in the storage pond for a continuous period of more than 2 days unless aerated to avoid the onset of anaerobic conditions.
- (b) The consent holder shall notify the consent authority in writing (email: escompliance@es.govt.nz) upon commission of the wastewater treatment system described in the resource consent application dated 13 December 2018
- (c) Condition 14(a) shall cease to have effect from the date that the wastewater treatment system is commissioned, and after that date the emissions from the treatment and storage of wastewater on the site shall be authorised under Resource Consent AUTH-20181937-04, or other rule or resource consent.
15. Wastewater shall not be irrigated onto land within 20 metres of any property boundary. There shall be no spray drift beyond that property boundary.

Site Management Plan

16. Management Plan:
- (a) By the 31st of December 2015, an updated site management plan shall be prepared and provided to the Consent Authority for approval. This management plan shall detail all actions to be taken to minimise odour and particulate matter emissions from the plant and to ensure compliance with the conditions of this consent. The plan shall address:
- (i) Wastewater collection and treatment, including maximum holding times;
 - (ii) Wastewater irrigation procedures and minimum setback distances; and
 - (iii) Boiler plant maintenance.
- (b) Within three months of commissioning of the rendering plant, an update of the plan shall be submitted to the Council's Manager of Environmental Compliance. The update shall include the above matters and the following:
- (i) Biofilter maintenance requirements;
 - (ii) Operating procedures to minimise odour emissions from the rendering and blood-drying plant.
- (c) The management plan shall state the name and contact telephone number of all persons responsible for each action described in the plan and shall be updated at

least annually to include staff changes. The plan shall be available for inspection at the consent holder's property at all times.

Odour Conditions

17. The discharges shall not cause odour that is offensive or objectionable to such an extent that it has an adverse effect on the environment beyond the boundary of the property on which the consent is exercised.
18. A record of any complaints relating to odour shall be kept, and shall include:
 - (a) the location where the effect was detected by the complainant;
 - (b) the date and time when the effect was detected;
 - (c) a description of the wind speed and wind direction when the effect was detected by the complainant;
 - (d) the most likely cause of the effect detected; and
 - (e) any corrective action undertaken by the consent holder to avoid, remedy or mitigate the effect detected by the complainant.

This record shall be provided to Environment Southland annually and otherwise on request.

19. Should, in the opinion of the Council's Manager of Environmental Compliance, odour complaint records indicate that discharges from the consent holder's activities are causing odour nuisance, the consent holder shall instigate a systematic odour diary programme during the subsequent year to establish the characteristics of odour impacts caused by the discharges. The design of the odour diary programme shall be in accordance with recognised good practice and shall be to the satisfaction of Environment Southland. Results of the odour diary programme shall be reported to Environment Southland within two months of completion of the programme. The report shall include an assessment of the need for mitigation of any adverse effects identified.

Administration Conditions

20. The consent holder shall pay an annual administration charge to the Southland Regional Council, collected in accordance with Section 36 of the Resource Management Act, payable in advance on the first day of July each year. The charge shall include the cost of two inspections of the effluent discharge area by Council officers each year.
21. The Southland Regional Council may serve notice, as a result of information received, in accordance with the conditions of this permit, and in accordance with Sections 128 and 129 of the Act, in the period May to September each year, of its intention to review the conditions of the consent for the purposes of:
 - (i) dealing with any adverse or cumulative effects on the environment which may arise from the exercise of this consent;

- (ii) addressing monitoring requirements; or
- (iii) complying with the requirements of a regional plan.

22. The consent holder may apply to the Council for the change or cancellation of any of the conditions of this consent, other than Condition 1, in accordance with Section 127 of the Resource Management Act, during the period May to September each year.

Reissued 28 February 2019 after changes to Condition 2

for the **Southland Regional Council**

A handwritten signature in black ink, appearing to be 'Aurora Grant', written over a faint circular stamp or watermark.

Aurora Grant
Consents Manager