

RESOURCE CONSENT

Resource consent number RM201002

Under sections 104 and 104B of the Resource Management Act 1991 (the Act), Tasman District Council (the Council) hereby grants resource consent to:

Tasman Bay Asphalt Limited

(the Consent Holder)

Activity authorised by this consent

Discharge permit under section 15 to discharge contaminants to air from an asphalt plant.

Location details

Address	272 Bartlett Road, Hope
Legal description	Lot 1 DP 368439, land vested in Tasman District Council for River Control Purposes.

Under sections 108 and 108AA of the Act, this resource consent is issued subject to the following conditions:

CONDITIONS

General

1. The discharge shall only be contaminants to air from the manufacture of asphaltic concrete from the MARINI Latin America Carbon T-Box 130 plant and ancillary activities at Downer Group NZ Limited's old crushing plant at 272 Bartlett Road, Appleby. The application site is located within Lot 1 DP 368439, attached RM201002 Plan A, dated 19 May 2022, which forms part of this consent.
2. In this resource consent the terms set out in this condition have the following meanings:

"Lease Area" means the wider Downer Group NZ Lease Area.

"Application Site" means the sub-lease area for the Consent Holder, including the access ways within the Lease Area.

“Plant Area” means the area within the Application Site that is outside of the stopbank.

3. The discharge shall only be the following:
 - (a) Combustion by-products from the external combustion of diesel with a total net heat output of 13 megawatts;
 - (b) Organic contaminants (including odorous contaminants) from the operation of an asphalt plant capable of producing up to 130 tonnes per hour of asphalt and associated heated storage and handling of bitumen and asphalt;
 - (c) Dust from the handling and storage of aggregate and bulk solid materials associated with asphalt manufacture; and
 - (d) Occur a maximum of 10 hours on any day.

Limits

4. The discharge shall not cause odour or particulate matter that is offensive or objectionable beyond the boundary of the Application Site.
5. The concentration of filterable and condensable PM10 particulate matter collectively in the baghouse stack discharge shall not exceed 30 milligrams of PM10 particulate per cubic metre of air when adjusted to 0 degrees Celsius, 101.3 kilopascals on a dry gas basis.
6. The minimum baghouse stack exit velocity shall be 10 metres per second.
7. The emission rate of PM10, consisting of both filterable and condensable particulate matter collectively, from the baghouse stack shall not exceed 0.93 kilograms of PM10 particulate per hour (0.26 g/s).
8. The temperature of asphalt product exiting the asphalt mixing mill or drum shall not exceed 175 degrees Celsius at any time.
9. The burner shall be maintained and correctly adjusted to avoid any visible smoke emissions from the baghouse stack.

Advice note

This condition excludes emissions of steam / water vapour from the stack.

Emissions control and pollution abatement measures

10. No part of the process associated with a discharge to air, as described in the application, shall be operated without the associated emissions control equipment being fully operational and functioning correctly.

11. The asphalt plant shall be a MARINI Latin America Carbon T-Box 130.
12. While in operation, drying and combustion gases from the mixing drum shall be extracted and directed to a baghouse fabric filtration system. Exhaust from the bag filter shall be discharged via a stack that is not less than 12.5 metres above the surrounding ground level and 13 metres above finished ground level immediately under the bag house.
13. The load out enclosure area shall be designed and constructed in accordance with the following:
 - (a) The asphalt load out area shall be fully enclosed and all emissions during loadout shall be directed to a stack at a height of not less than 12.5 metres above the surrounding ground level.
 - (b) The extraction system shall be designed to maintain negative pressure within the enclosure at all times, achieving an efflux velocity of at least 10 m/s from the emission stack.
 - (c) The enclosure shall be fitted with rapid opening doors that are opened only for the purpose of truck entry and exit.
 - (d) The consent holder shall submit the plan and details of the load out enclosure area design demonstrating the above, with evidence of peer review by a suitably qualified engineer, for written certification that it meets the requirements of this condition by the Council's Team Leader Monitoring and Enforcement.
 - (e) Construction shall not commence until written certification is received.

Advice note

The consent holder should submit details for certification under (d) at least ten working days before any desired construction commencement date to accommodate the process seeking certification under (e).

- (f) The load out enclosure area shall be constructed and maintained in accordance with the certified design.
14. Loadouts from the hot mix storage (silo) to trucks shall occur with the roller doors closed and the extraction system fully operational. The cover shall be secured before the truck exits the Application Site but securing may be done inside or outside the loadout area.
15. Discharges from both stacks shall be directed vertically into the air and shall not be impeded by any obstruction above the stacks that decreases the vertical velocities below that which would occur in the absence of such obstructions.
16. All measures shall be taken to ensure that:

- (a) fugitive emissions from the extracted enclosures and equipment, ducting and emissions control equipment are kept to a practicable minimum, and
 - (b) to ensure the MARINI Latin America Carbon T-Box 130 operates as designed.
- 17. Activated Carbon Filters shall be fitted on the bitumen tank vents to prevent fugitive odour discharges.
- 18. The Filler bins shall be fitted with lids.
- 19. The conveyor(s) or method of conveyance of asphalt product from the asphalt mixing mill or drum to product silos shall be enclosed. While in operation, ventilation air from the enclosed conveyor(s) or method of conveyance shall be extracted and directed to the aggregate drying drum and incinerated as part of burner combustion air.
- 20. The discharge shall occur in accordance with an Air Quality Management Plan (AQMP).
 - (a) The AQMP shall include all measures necessary to achieve compliance with the conditions of consent, including but not limited to, the following:
 - (i) Identification of all fugitive and point sources of discharges of contaminants into air, including a map showing the location of each source;
 - (ii) Procedures to minimise discharges of contaminants into air, including details of the inspection, maintenance, monitoring and contingency procedures in place for all emissions control equipment at the Application Site;
 - (iii) Details of management and monitoring practices in place to minimise discharges of contaminants into air, including dust and odour. These measures shall include
 - (iv) Minimising the heights of exposed stockpiles and drop heights;
 - (v) Daily visual monitoring of potential fugitive dust emissions.
 - (vi) Sweeping, suction cleaning or use of other housekeeping measures to regularly remove accumulated bulk solid materials on yard or hardstand areas;
 - (vii) Using water and / or dust suppressants on disturbed surfaces, internal trafficable routes and stockpiles when required;
 - (viii) Limiting vehicle speeds within the Lease Area and within the Bartlett Road entrance to the Waimea River Park to 10 km/h.

- (ix) Details of methods and procedures for measuring operating parameters relating to discharges to air, including the monitoring required by conditions 23 to 26;
 - (x) Where appropriate, the operating parameters and manufacturer's instructions for all emissions control equipment.
 - (xi) Procedures for the monitoring of dust and odour, including details of inspection procedures, recording requirements and contingency measures;
 - (xii) The identification of staff responsibilities;
 - (xiii) The procedures for the receipt, recording and handling of air quality complaints received; and
 - (xiv) Details of the frequency and scope of the regular checks to be performance on emissions control equipment.
- (b) The AQMP may incorporate a series of monitoring, management and operational procedures, methodologies and contingency plans, and together shall accurately record all data required to comply with the conditions of this consent.
- (c) The AQMP shall be submitted to the Council's Team Leader Monitoring and Enforcement for certification that it meets the requirements of these conditions, prior to the exercise of this consent.
- (d) The discharge shall not commence until written notice of certification of the AQMP by the Council is received.

Advice note

Procedures for annual review, updating and recertification of the AQMP are set out in condition 26.

Maintenance and servicing

21. The Asphalt Plant and bitumen heater burners shall be serviced at least once every year by a person competent in the servicing of such devices. This servicing shall include ash and carbon deposit removal, and adjustment if necessary of the fuel to air ratio to prevent visible smoke and particulate matter emissions. Service reports shall be prepared and retained and copies shall be provided to the Council's Team Leader Monitoring and Enforcement during the month of June each year or on request.
22. The bag filter shall be proactively managed and maintained in accordance with the manufacturer's recommendations in order to minimise the discharge of

particulate matter. This includes, but is not limited to, maintaining sufficient inventory to ensure bags are changed out before, or immediately after, any tears or holes develop. Records of the date and type of maintenance and inspections carried shall be kept and made available to the Council on request.

Monitoring

23. Monitoring by the Consent Holder shall include the following:
- (a) The discharge of both filterable and condensable particulate matter discharged from the asphalt plant stack shall be measured within three months of the date of exercise of this consent and thereafter at least once every 12 months.
 - (b) Measurements shall occur when the asphalt plant is operating at greater than 50 % of maximum production capacity.
 - (c) The method of sampling and analysis of filterable particulate matter shall be ISO 9096:2003, ASTM D3685-98, USEPA Methods 5 or 17, or equivalent methods.
 - (d) The method of sampling and analysis of condensable particulate matter shall be USEPA Method 202 or an equivalent method.
 - (e) The laboratory performing the testing and analysis shall be accredited under NZ / ISO / IEC 17025 to undertake the method used at the time of the test.
 - (f) Total particulate sampling results (the sum of filterable and condensable particulate measured) shall be reported as a concentration expressed as milligrams per cubic metre adjusted to 0 degrees Celsius 101.3 kilopascals, and on a dry gas basis, and as a mass emission rate expressed as kilograms per hour. The results shall include a description of the method used, the approximate rate of asphalt production during testing and any assumptions made.
 - (g) The consent holder shall provide test results to the Council's Team Leader Monitoring and Enforcement, within 30 working days of sampling.
24. Continuous monitoring of differential pressure or an alternative method with the prior written approval of the Council's Team Leader Monitoring and Enforcement shall be employed to identify failure of filter element(s) within the baghouse. The monitoring system shall be fitted with an alarm in the case of element failure.
25. The temperature of asphalt product exiting the asphalt mixing mill or drum shall be continuously monitored and the monitoring system shall be fitted with an alarm in the case of exceedance of the temperature specified in condition 8.

26. The consent holder shall review and (if necessary) update the AQMP required in condition 20 at least once every year for the term of this consent, to ensure that any review takes account of the monitoring for the previous year, and that a review is triggered in the event of any verified breach of condition 4. Any proposed changes to the AQMP shall be submitted within one month of the Consent Holder's review to the Council's Team Leader Monitoring and Enforcement for certification.

An updated AQMP shall be implemented as soon as practicable but in any event within one month of receipt of notice of certification.

An updated AQMP shall be certified if it gives effect to the conditions of consent and aligns with good practice.

Records and reporting

27. A record of complaints relating to discharges of contaminants to air from the Application site including odour or particulate matter or dust, shall be maintained and shall include:

- (a) Location of where the odour or particulate matter or dust was detected by the complainant;
- (b) The date and time when the odour or particulate matter or dust was detected;
- (c) The date and time when the odour or dust complaint was received;
- (d) The name, telephone number and address of the complainant;
- (e) A detailed description of the odour or dust incident taking into account the frequency, intensity, duration, offensiveness and location;
- (f) A description of the wind speed and wind direction when the odour or particulate matter or dust was detected by the complainant;
- (g) Details of key operating parameters at the time of the odour incident;
- (h) The most likely cause of the odour or particulate matter or dust detected; and
- (i) Any corrective action undertaken by the consent holder to avoid, remedy or mitigate the odour or particulate matter or dust detected by the complainant.

This record shall be provided to the Council on request.

Duration

28. The term of the consent is 20 years from the date of commencement or for the period that extraction and crushing operating on the Council approved lease areas within the Waimea River Park Reserve occurs, whichever is the lesser.

Lapse

29. This consent shall lapse five years from the date of commencement.

Review

30. Pursuant to section 128 of the Act the Council may, during the month of August each year, review any or all of the conditions of the consent for all or any of the following purposes:
 - (a) dealing with any adverse effect on the environment which may arise from the exercise of the consents that was not anticipated at the time of granting of the consent, and which is therefore more appropriate to deal with at a later stage; or
 - (b) dealing with any adverse effects of crop contamination which may arise from the exercise of the consent; or
 - (c) Requiring further mitigation if particulate matter emission test results exceed the emission limit specified by condition 5 or if a breach of condition 4 occurs at or beyond the Application Site.

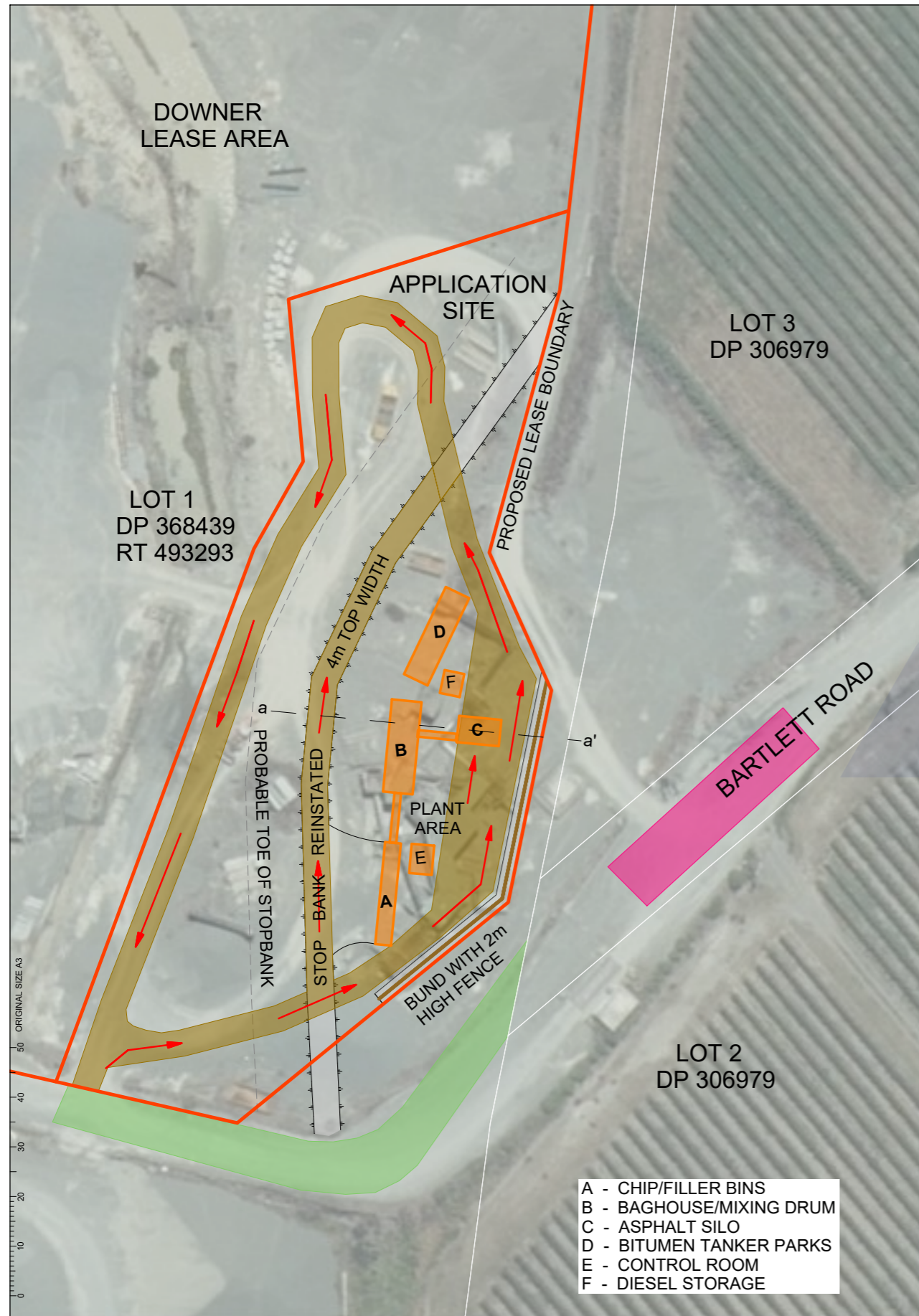
GENERAL ADVICE NOTES

Council regulations

1. This is not a building consent and the consent holder shall meet the requirements of the Council with regard to all building and health bylaws, regulations and Acts.

Other Resource Management Act provisions

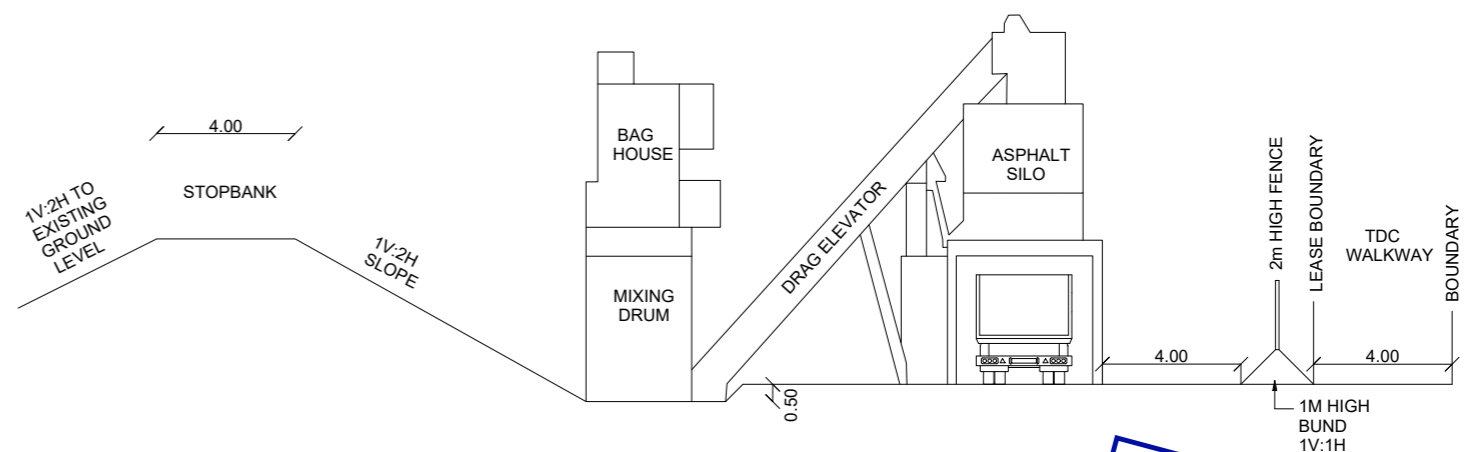
1. This resource consent only authorises the activity described above. Any matters or activities not referred to in this consent or covered by the conditions must either:
 - (a) comply with all the criteria of a relevant permitted activity rule in the Tasman Resource Management Plan (TRMP) or national environmental standard;
 - (b) be allowed by the Resource Management Act 1991; or
 - (c) be authorised by a separate resource consent.



Location Diagram

KEY FOR ASPHALT SEALING

- LEGAL ROAD UPGRADE IF CONSENT COMMENCES PRIOR TO TDC ACTION OF RM210544
- BARTLETT ROAD EXTENSION INTO WAIMEA RIVER PARK TO ENTRANCE OF LEASE AREA
- APPLICATION SITE TRUCK ROUTES AND LOADING AREA. SEALING TO BE REMOVED AT END OF CONSENT



Cross Section a-a'
Scale 1: 200

tasman District Council
received by email
17 Feb 2022 @ 6:20 pm

<p>81 Selwyn Place, Nelson 248 Montreal St, Christchurch Ph: 0800 807 818 www.staigsmith.co.nz enquiries@staigsmith.co.nz</p>	<p>Sealing details added 21/01/22 Move of Lease Bdy 26/11/21</p>	<p>JOB/CIENT Tasman Bay Asphalt Bartlett Road Hope</p>	<p>DRAWING Proposed Asphalt Plant Site Plan</p>	<p>Survey: 4 Drawn: SM Checked: JB Approved: DC DATE: 25 Jan 2022</p>	<p>PROJECT NO. 12410 SCALE: A3 A1 Hz: 1:750 - Vt: - -</p>	<p>SHEET 1 OF 1</p>
	<p>AMENDMENT DATE</p>	<p>TASMAN DISTRICT COUNCIL PURSUANT TO DELEGATED AUTHORITY ON BEHALF OF THE COUNCIL</p>	<p>Copyright © These drawings shall only be used for the purpose for which they were supplied. Any reuse is prohibited and no part of this document may be reproduced or distributed without the written permission of Staig and Smith Ltd.</p>			