

Details for CRC940431

RMA Authorisation Number	CRC940431	Client Name	Lyttelton Port Company Limited
Consent Location	Lyttelton Harbour, LYTTELTON	State	Issued - Active
To	to discharge coal dust into air from coal stockpiles, coal transfer and loading from an area of approximately 23.5 hectares at grid reference NZMS260 M36:888-337, Te Awaparahi Bay, Lyttelton Harbour.		
Commencement Date	19 Feb 1997		
Date This Consent Number Issued	19 Feb 1997		
Expiry Date	19 Feb 2022		

Please note there has been a change to how we represent the date fields. The 'Date This Consent Number Issued' is the date this version of the consent was issued. The 'Commencement Date' is when the original version of this consent was issued as per s116 of the Resource Management Act 1991.

- **1**
The duration of this permit shall be 25 years.
- **2**
The amount of coal dust deposited at residential properties not owned by the consent holder shall not exceed 80 milligrams per square metre per day (80 mg/m²/day). Deposition shall be measured as is detailed in Condition (3) of this permit, and shall be averaged over a thirty day period and in accordance with Australian Standard 3580.10.1 - 1991.
- **3**
The amount of coal dust deposited at the approximate locations of the seven existing monitoring sites (identified as sites 2, 3, 4, 6, 10, 11 and 13 on the attached map CRC940431) shall continue to be measured. The amount of coal dust deposited at six new monitoring sites situated at the approximate locations marked as sites 14, 15, 16, 17, 18 and 19 on the attached map CRC 940431 shall also be measured from the date of commencement of this permit. The method of sample collection and analysis shall be in accordance with Australian Standard 3580.10.1-1991 to the extent that compliance with topographic constraints is reasonably achievable. The specific location of all deposit gauges shall be determined in consultation with the Canterbury Regional Council. Except as herein provided, the amount of coal dust deposited at each monitoring site shall be measured at least every 30 days (+ or - 2 days). The amount of coal dust deposited at sites 10, 11 and 13 shall be measured at least every 15 days (+ or - 1 day) during the months of September to April (inclusive) of each year. The results of these measurements shall be expressed as milligrams per square metre per day (mg/m²/day) deposited coal dust (calculated as daily average depositions over a thirty day period and in accordance with Australian Standard 3580.10.1 - 1991) and shall be provided to the Canterbury Regional Council within 2 months of each sample collection. The laboratory carrying out the analyses shall be accredited to ISO Guide 25, either by TELARC or by an organisation with a mutual recognition agreement with TELARC, for those analyses.

• 4

A report presenting a summary of the results of the measurement by condition 3 shall be provided to the Canterbury Regional Council before 31 July each year.

• 5

The concentration of suspended particulate having a diameter of less than 10 micrometres (PM10) shall be measured at the following sites on at least three occasions (separated by a period of at least 24 hours) between the date of commencement of this permit and 30 April 1997: (a) Battery Point (b) adjacent to the coal stockpile (c) Cashin Quay (d) Gladstone Road area (e) central Lyttelton, London Street area (f) eastern Lyttelton, nearby monitoring sites 10, 11 and 13. The sites shall be situated at the approximate locations marked as sites (a)-(f) on the attached map CRC940431. The exact location of these monitoring sites shall be determined in consultation with the Canterbury Regional Council. Measurement at each site shall be undertaken for a period of at least one hour using an instrument which measures the concentration of PM10 at least every 60 seconds during that hour to an accuracy of within $\pm 20\%$. Calibration of the instrument to determine accuracy shall be achieved by comparison of the measured concentration with a collected filter sample of PM10 taken concurrently. The laboratory carrying out the analysis of the filter sample shall be accredited to ISO Guide 25, either by TELARC or by an organisation with a mutual recognition agreement with TELARC, for that analysis. Measurements shall be taken during periods when the wind direction at Battery Point is from the easterly quarter (45-135 degrees) and the mean wind velocity at Battery Point is at least 5 metres per second (5m/s).

• 6

The concentration of suspended particulate having a diameter of less than 10 micrometres (PM10) shall be measured at a site immediately west of the coal stockpile area and at a site in the residential area of eastern Lyttelton, nearby monitoring sites 10, 11 and 13, between the date of commencement of this permit and 30 April 1997. The two sites shall be situated at the approximate locations marked as sites (b) and (f) on the attached map CRC940431. The exact location of these monitoring sites shall be determined in consultation with the Canterbury Regional Council. Measurement at each site shall be undertaken for a period of at least 14 days using an instrument which measures the concentration of PM10 at least every 5 minutes during each hour to an accuracy of within $\pm 20\%$. Calibration of the instrument to determine accuracy shall be achieved by comparison of the measured concentration with a collected filter sample of PM10 taken concurrently. The laboratory carrying out the analysis of the filter sample shall be accredited to ISO Guide 25, either by TELARC or by an organisation with a mutual recognition agreement with TELARC, for that analysis.

• 7

A report presenting a summary of the results of the measurements required by conditions (5) and (6) shall be provided to the Canterbury Regional Council within 6 months of monitoring being carried out.

• 8

The following measures shall be undertaken by the consent holder to minimise the amount of dust discharged into the air from the coal stockpiles, and from the transfer of coal: (a) The use of water sprays. (b) The use of suction sweepers to clean sealed surfaces (when the sealed surfaces and any coal on them is sufficiently dry to enable the efficient use of suction sweepers). (c) The use of tracked machinery in the stockpile area (except that front end loaders may be used to receive coal, to transfer coal to stockpiles, and to recover coal from the stockpiles, and to place the same in reclaim hoppers). (d) The fitting of dust extraction units and filters to the coal conveyor interchange points. (e) The best practicable option shall be adopted to minimise coal handling and transfer distances.

• 9

The consent holder shall follow the procedures detailed in its operational safety and dust control management plan - bulk handling facilities - version 3 - dated the 17th of May 1996. If any amendments are made to that plan, the same shall be referred to the Canterbury Regional Council. The consent holder shall designate a person or persons

who is or are directly responsible for the supervision of coal dust control, and for the carrying out of the actions specified in the plan. The name/names of such person/persons shall be provided to the Canterbury Regional Council.

• 10

The coal stockpile water spray system described in the application for this consent, including the document produced by Royds Consulting Limited entitled "Lyttelton Port Company - Assessment of Effects on the Environment for Resource Consents for Land Use and Discharges to Air and Water, August 1995", shall be able to be operated at all such times and shall be used at all times as shall be necessary to minimise the generation of dust from the stockpile surface and adjacent sealed area.

• 11

The consent holder shall prioritise the use of the water supply available to it, and, when the available supply is limited, shall ensure a high priority to water being available for the coal stockpile water spray system when required to minimise coal dust emissions. The consent holder shall keep a record of its principal water use and such steps as it shall take pursuant to this condition to prioritise the water available to it and shall make such record available to the Canterbury Regional Council on request.

• 12

The sealing of traffic routes around the coal stockpile and landscaping and revegetation of areas adjacent to the stockpile shall generally be undertaken as described in the application for this permit, including the document produced by Royds Consulting Limited entitled "Lyttelton Port Company - Assessment of Effects on the Environment for Resource Consents for Land Use and Discharges to Air and Water, August 1995", and specifically Figures 5 and 6 of that document. These works shall be completed within six months of the completion of the storm water collection and treatment systems serving the coal stockpile area.

• 13

A record of complaints relating to coal dust emissions from the site shall be maintained. Each record, where practicable, shall include:(a) location of the reported dust nuisance;(b) date and time of the complaint;(c) a description of wind speed and wind direction when the complaint occurred;(d) weather conditions at the time of complaint;(e) any possible cause of the dust nuisance complained of; and (f) any corrective action taken to reduce the coal dust emission that cause the complaint. This record shall be provided to the Canterbury Regional Council on a six-monthly basis or upon request.

• 14

The Canterbury Regional Council may annually, on the last working day of May, 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 permit; or(b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment; or(c) complying with the requirements of a relevant rule in an operative regional plan; or(d) altering the frequency and nature of monitoring required by conditions (3), (4), (5), (6) and (7) of this permit.

• 15

Charges set in accordance with Section 36 of the Resource Management Act 1991, shall be paid to the Canterbury 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 Act.