



Resource Consent Details for CRC940431



Use the tabs below to find out further information about consent CRC940431.

Summary Documents Location Map

Consent Number: CRC940431
Consent Type: Consent
File Number: CO6C/10300
Client Name: Lyttelton Port Company Limited
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 Awaparahti Bay, Lyttelton Harbour.
Consent Location: Lyttelton Harbour, LYTTELTON

Events:

19/02/1997	Consent Commenced
17/02/1999	Given Effect To
19/02/1999	Lapse Date if not Given Effect To
19/02/2022	Consent Expires

State:

Current

Subject to the following conditions:

- 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 +/-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 +/-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.

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Resource Consent Details for CRC960551



Use the tabs below to find out further information about consent CRC960551.

Summary Documents Location Map

Consent Number: CRC960551
Consent Type: Consent
File Number: CO6C/09864
Client Name: Lyttelton Port Company Limited
To: to discharge wharf stormwater and washwater containing coal dust into coastal water at Cashin Quay wharf, adjoining Sticking Point breakwater.
Consent Location: Te Awaparahi Bay, LYTTTELTON HARBOUR

Events:

1/02/1997	Given Effect To
19/02/1997	Consent Commenced
19/02/1999	Lapse Date if not Given Effect To
22/05/2007	1st Status Query Letter
19/02/2032	Consent Expires

State:

Current

Subject to the following conditions:

- 1 The duration of this permit shall be 35 years.
- 2 The best practicable option shall be adopted by the consent holder to ensure that as much coal dust as is reasonably practicable is removed from the wharf surface before washdown of the wharf to remove the remaining coal dust commences, including the following measures.(a) the use of front end loaders, shovels and brooms as appropriate;(b) the provision of facilities for the collection of coal dust beneath the conveyor and shiploading systems;(c) the use of suction sweepers on wharf surfaces.
- 3 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 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.
- 4 Where reasonably practicable the consent holder shall carry out hosing of the wharf when there is an ebb tide in Lyttelton Harbour.
- 5 Within three years of the granting of this consent, two harbour floor sediment samples shall be taken adjacent to Cashin Quay and one harbour floor sediment sample shall be taken in the main harbour. The sampling sites adjacent to Cashin Quay shall be at least 50 metres apart. Samples shall not be taken where dredging has occurred or where dredged material has been deposited. The methods of sample collection shall be in accordance with the methods described in the document produced by Royds Consulting Limited entitled "Lyttelton Port Company Limited - Investigation of Discharges of Coal Dust to Lyttelton Harbour, March 1996." Each sample shall be analysed for coal content (%), copper, lead, chromium, zinc mercury, manganese, polynuclear aromatic hydrocarbons and total petroleum hydrocarbons (all mg/kg dry weight). The laboratory carrying out the analyses except the analysis of coal content of the sediment shall be accredited to ISO Guide 25, either by TELARC or by

an organisation with a mutual recognition agreement with TELARC, for those analyses.

- 6 A report presenting the results of the analyses required by condition 5 of this consent shall be provided to the Canterbury Regional Council within six months of the collection of the samples.
- 7 The Canterbury Regional Council may annually, on the last working day of May, serve notice of its intention to review the conditions of this permit 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 condition 5 of this permit.
- 8 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.

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Resource Consent Details for CRC960548.2



Use the tabs below to find out further information about consent CRC960548.2.

Summary Documents Location Map

Consent Number: CRC960548.2
Consent Type: Consent
File Number: CO6C/10299
Client Name: Lyttelton Port Company Limited
To: To divert surface water.
Consent Location: Te Awaparahi Bay, LYTTELTON

Events:

19/02/1997 Given Effect To
 19/02/1999 Lapse Date if not Given Effect To
 23/02/2007 Change in Conditions takes effect
 22/05/2007 1st Status Query Letter
 19/02/2032 Consent Expires

State:

Current

Subject to the following conditions:

- 1 The duration of this permit shall be 35 years.
- 2 The stormwater collection and diversion system for hillside runoff adjacent to the coal stockpile area shall be constructed generally in accordance with the details 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", and the modifications described in the letter of further information submitted by Royds Consulting dated 19 February 1996.
- 3 The stormwater collection and diversion system described in Condition (2) shall be completed and operational by 1 December 2001.
- 4 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.
- 5 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.

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Resource Consent Details for CRC960549



Use the tabs below to find out further information about consent CRC960549.

Summary Documents Location Map

Consent Number: CRC960549
Consent Type: Consent
File Number: CO6C/10299
Client Name: Lyttelton Port Company Limited
To: to discharge stormwater from the coal stockpile area (after treatment in a settling tank) and untreated hillside stormwater into the coastal water at Te Awaparahi Bay.
Consent Location: Te Awaparahi Bay, LYTTELTON HARBOUR

Events:

19/02/1997 Consent Commenced
 19/02/1999 Lapse Date if not Given Effect To
 27/10/1999 Given Effect To
 19/02/2032 Consent Expires

State:

Current

Subject to the following conditions:

- 1 The duration of this permit shall be 35 years
- 2 The stormwater collection and treatment system serving the coal stockpile area shall be constructed generally in accordance with the details 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", Figure 5 of that document and the modifications described in the letter of further information submitted by Royds Consulting dated 19 February 1996.
- 3 The stormwater collection and treatment system described in condition 1 shall be completed and operational within 9 months of the commencement of this permit.
- 4 Three samples of the discharge from the stormwater collection and treatment system serving the coal stockpile area shall be taken over a six month period following a commissioning period of one year. The time period between taking each of these samples shall be at least 24 hours. Three samples shall be taken at least annually thereafter. All samples shall be taken after the stormwater collection and treatment tank and before discharge into the harbour. Each sample shall be analysed for suspended solids (g/m³), turbidity (NTU) and acidity (pH). The three samples taken over a six month period following the commissioning period of one year shall also be analysed for copper, lead, chromium, zinc, mercury, manganese, polynuclear aromatic hydrocarbons and total petroleum hydrocarbons (all g/m³). 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. The results of these analyses shall be provided to the Canterbury Regional Council within two months of collection of the samples.
- 5 Following a commissioning period of one year, the median concentrations of the following determinands in the discharge from the stormwater collection and treatment system serving the coal stockpile area shall not exceed the following values : Determinand Concentration Units suspended solids 30 g/m³ turbidity 30 NTU The acidity of the discharge shall be between 6 and 9 pH units.

- 6 At least every five years, two sediment samples and two benthic fauna samples shall be collected within Te Awaparahi Bay, and one mussel (*Lytillus edulis*) and one limpet (*Cellina* sp.) sample shall be collected from the intertidal zone within Te Awaparahi Bay. The methods of sample collection shall be in accordance with the methods described in the document produced by Royds Consulting Limited entitled "Lyttelton Port Company Limited - Investigation of Discharges of Coal Dust to Lyttelton Harbour, March 1996." Each sample shall be analysed for copper, lead, chromium, zinc, mercury, manganese, polynuclear aromatic hydrocarbons and total petroleum hydrocarbons. 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.
- 7 A report presenting the results of the analyses required by condition 6 shall be provided to the Canterbury Regional Council within six months of collection of the samples.
- 8 The Canterbury Regional Council may annually, on the last working day in May, serve notice of its intention to review the conditions of this permit for the purposes of : (a) dealing with any adverse effect on the environment which may arise 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 the relevant rule in an operative regional plan; or (d) altering the frequency and nature of monitoring required by conditions 4, 6 and 7 of this permit.
- 9 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.

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Resource Consent Details for CRC960558



Use the tabs below to find out further information about consent CRC960558.

Summary Documents Location Map

Consent Number: CRC960558
Consent Type: Consent
File Number: CO6C/09864
Client Name: Lyttelton Port Company Limited
To: to discharge dust into air from rock quarrying using explosives at a quarry below Evans Pass, above Lyttelton Harbour.
Consent Location: Gollans Bay Quarry, LYTTELTON

Events:

19/02/1997	Consent Commenced
20/02/1997	Given Effect To
19/02/1999	Lapse Date if not Given Effect To
19/02/2032	Consent Expires

State:

Current

Subject to the following conditions:

- 1 The duration of this permit shall be 35 years.
- 2 Topsoil and loose, potentially dusty material shall be removed from the rock surface before explosive blasting of that rock commences such that dust emissions from blasting are minimised.
- 3 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.
- 4 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.

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