

# Environment Protection Licence

Licence - 1625

## Licence Details

Number:	1625
Anniversary Date:	01-April

## Licensee

PORT KEMBLA COAL TERMINAL LIMITED

PO BOX 823

WOLLONGONG EAST NSW 2520

## Premises

PORT KEMBLA COAL TERMINAL LIMITED

PORT KEMBLA ROAD

WOLLONGONG NSW 2500

## Scheduled Activity

Coal works

Shipping in bulk

## Fee Based Activity

## Scale

Coal works	> 5000000 T annual handling capacity
Shipping in bulk	> 500000 T of annual capacity to load and unload

## Contact Us

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12 Darcy Street

PARRAMATTA NSW 2150

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## Information about this licence

### Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

### Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

### Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

### Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

### Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

### Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).



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The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

## Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

## Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

## This licence is issued to:

<b>PORT KEMBLA COAL TERMINAL LIMITED</b>
<b>PO BOX 823</b>
<b>WOLLONGONG EAST NSW 2520</b>

subject to the conditions which follow.

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## 1 Administrative Conditions

### A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Coal works	Coal works	> 5000000 T annual handing capacity
Shipping in bulk	Shipping in bulk	> 500000 T of annual capacity to load and unload

### A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
PORT KEMBLA COAL TERMINAL LIMITED
PORT KEMBLA ROAD
WOLLONGONG
NSW 2500
LOT 1 DP 1125445, LOT 3 DP 1125445, LOT 22 DP 1128396, LOT 8 DP 1154760

A2.2 The premises location is shown on the map below.

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A2.3 Note: In relation to Condition A2.1, the premises excludes pipelines, infrastructure and operations associated with the holder of Environment Protection Licence No. 654 issued under the Protection of the Environment Operations Act 1997.

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## A3 Information supplied to the EPA

A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

## 2 Discharges to Air and Water and Applications to Land

### P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

#### *Air*

EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
3	Dust deposition monitoring		P3 40m east of Bulk Products Berth stockyard E307198 N6184856
4	Dust deposition monitoring		P4 40m east of Coal Berth stockyard E307103 N6185818
5	Dust deposition monitoring		P5 Northern pond E306916 N6186282
6	Dust deposition monitoring		P6 40m west of Coal Berth stockyard E306908 N6185720
7	Dust deposition monitoring		P7 250m west of Coal Berth stockyard E306673 N6185865
8	Dust deposition monitoring		P8 Northern truck wash E306744 N6186371
9	Dust deposition monitoring		P9 Sydney Water recycled water plant E306936 N6186639



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12	Dust deposition monitoring	R1 157 Church Street Wollongong E306520 N6188025
15	Dust deposition monitoring	P10 North of planning office E306859 N6185458
17	Dust deposition monitoring	P11 Entry gate to Berth 109 E305867 N6185702
18	Dust deposition monitoring	R3 Links Seaside Apartments, 1 Ross Street, Wollongong. E306872 N6187535
19	Dust deposition monitoring	R2 Vikings Oval E306710 N6187446
20	Ambient air monitoring	C1 Southern monitoring site Southern Truck Wash E307081 N6184996
21	Ambient air monitoring	C2 Northern monitoring site Sydney Water recycled water plant E306874 N6186945

P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

### *Water and land*

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
16	Discharge to waters Water quality monitoring	Discharge to waters Water quality monitoring	DP16 Outlet of Settlement Lagoon E306674 N6185924
22	Wet weather discharge Discharge quality monitoring	Wet weather discharge Discharge quality monitoring	DP22 TS1 Pond E306732 N6186214
23	Wet weather discharge Discharge quality monitoring	Wet weather discharge Discharge quality monitoring	DP23 Central Pond E306912 N6185207
26	Wet weather discharge Discharge quality monitoring	Wet weather discharge Discharge quality monitoring	DP26 Workshop Pond E306816 N6185563

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27	Wet weather discharge Discharge quality monitoring	Wet weather discharge Discharge quality monitoring	DP27 Berth 102 E306817 N6185181
28	Wet weather discharge Discharge quality monitoring	Wet weather discharge Discharge quality monitoring	DP28 TS8 Sump (Pump 24) E306874 N8185099
29	Wet weather discharge Discharge quality monitoring	Wet weather discharge Discharge quality monitoring	DP29 South Eastern Pond (Pump 25) E307101 N6185059

## 3 Limit Conditions

### L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

### L2 Concentration limits

L2.1 For each monitoring/discharge point or utilisation area specified in the table\ below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.

L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.

L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\.

L2.4 Water and/or Land Concentration Limits

#### POINT 16

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Oil and Grease	Visible	N/A	N/A	N/A	Not visible
Total suspended solids	milligrams per litre	N/A	N/A	N/A	50

L2.5 Exceeding the limit specified in Condition L2.4 of this licence for Total Suspended Solids for discharges

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from Point 16 identified by Conditions P1.2 and P1.3 is only permitted when the discharge occurs solely as a result of rainfall measured at the premises. For discharge to be considered to occur solely as a result of rainfall, the rainfall must exceed a 5 day rainfall depth value of 90 mm over a consecutive 5 day period.

- L2.6 The licensee must provide the EPA with a copy of the statistical correlation assessment methodology and results before using NTU in place of TSS.
- L2.7 The licensee must develop and implement a method to enable the ongoing verification of the relationship between NTU and TSS.
- L2.8 The licensee must provide the EPA with any amendments the licensee makes to the statistical correlation as a result of the ongoing verification required by Condition L4.2 before using the revised statistical correlation.

## L3 Noise limits

- L3.1 The proponent shall ensure that the noise generated by the project at any privately-owned residence does not exceed the limits specified in Table 1 for the location nearest to that residence.

Table 1: Noise impact assessment criteria dB(A) LAeq(15 min)

Location	Time Period	Limits (LAeq 15 min dB(A))
Corner of Swan/Kembla Streets	Day	51
	Evening	50
	Night	49
Corner of Swan/Corrimal Streets	Day	51
	Evening	50
	Night	49
Corner of Keira/Fox Streets	Day	55
	Evening	49
	Night	45

Note: a) To determine compliance with the LAeq(15minute) noise limits in the above table, noise from the project is to be measured at the most affected point within the residential boundary. Where it can be demonstrated that direct measurement of noise from the project is impractical, the DECC may accept alternative means of determining compliance (see Chapter 11 of the NSW Industrial Noise Policy). The modification factors in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise levels where applicable.

b)The noise emission limits identified in the above table apply under meteorological conditions of:

- Wind speeds of up to 3 m/s at 10 metres above ground level; or
- Temperature inversion conditions of up to 3oC/100m, plus a 2 m/s source-to-receiver component drainage flow wind at 10 metres above ground level for those receivers where applicable in accordance with the NSW Industrial Noise Policy.

However, if the proponent has a written negotiated noise agreement with any landowner of the land listed

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in Table 1, and a copy of this agreement has been forwarded to the Department of Planning and DECC, then the proponent may exceed the noise limits in Table 1 in accordance with the negotiated noise agreement.

## L4 Potentially offensive odour

L4.1 The licensee must not cause or permit the emission of offensive odour beyond the premises boundary.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

## 4 Operating Conditions

### O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.

This includes:

- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

### O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:

- a) must be maintained in a proper and efficient condition; and
- b) must be operated in a proper and efficient manner.

### O3 Dust

O3.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.

O3.2 All loaded trucks entering or leaving the premises must have their loads covered.

### O4 Processes and management

#### Sedimentation Ponds

O4.1 The following ponds referred to in the table below are identified in this licence for the purposes of identifying ponds in Condition O4.2

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<b>Sedimentation Pond</b>
TS1 Pond
Northern Pond
Settlement Lagoon
Workshop Pond
Central Pond
TS8 Sump
South Eastern Pond

- O4.2 The ponds must be maintained to ensure that sedimentation does not reduce their capacity by more than 20% of the design capacity.

## 5 Monitoring and Recording Conditions

### M1 Monitoring records

- M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.
- M1.2 All records required to be kept by this licence must be:
- in a legible form, or in a form that can readily be reduced to a legible form;
  - kept for at least 4 years after the monitoring or event to which they relate took place; and
  - produced in a legible form to any authorised officer of the EPA who asks to see them.
- M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
- the date(s) on which the sample was taken;
  - the time(s) at which the sample was collected;
  - the point at which the sample was taken; and
  - the name of the person who collected the sample.

### M2 Requirement to monitor concentration of pollutants discharged

- M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:
- M2.2 Air Monitoring Requirements

**POINT 3,4,5,6,7,8,9,12,15,17,18,19**

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Pollutant	Units of measure	Frequency	Sampling Method
Particulates - Deposited Matter	grams per square metre per month	Monthly	AM-19

**POINT 20,21**

Pollutant	Units of measure	Frequency	Sampling Method
PM10	micrograms per cubic metre	Continuous	Continuously
PM2.5	micrograms per cubic metre	Continuous	Continuously
Total Solid Particles	micrograms per cubic metre	Continuous	Continuously

**M2.3 Water and/ or Land Monitoring Requirements****POINT 16**

Pollutant	Units of measure	Frequency	Sampling Method
Oil and Grease	Visible	Daily during any discharge	Visual Inspection
pH	pH	Daily during any discharge	Grab sample
Total suspended solids	milligrams per litre	Daily during any discharge	Grab sample

**POINT 22,23,26,27,28,29**

Pollutant	Units of measure	Frequency	Sampling Method
Oil and Grease	Visible	Daily during any discharge	Visual Inspection
pH	pH	Daily during any discharge	Grab sample
Total suspended solids	milligrams per litre	Daily during any discharge	Grab sample

**M3 Testing methods - concentration limits**

M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:

- any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
- if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
- if no such requirement is imposed by or under the Act or by a condition of this licence, any



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methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2010* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

M3.2 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

## M4 Environmental monitoring

M4.1 The licensee is required to install and maintain a rainfall depth measuring device.

M4.2 Rainfall at the premises must be measured and recorded in millimetres per 24 hour period, at the same time each day.

## M5 Recording of pollution complaints

M5.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M5.2 The record must include details of the following:

- a) the date and time of the complaint;
- b) the method by which the complaint was made;
- c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
- d) the nature of the complaint;
- e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

## M6 Telephone complaints line

M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M6.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

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M6.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

## M7 Other monitoring and recording conditions

### Noise Monitoring

M7.1 Noise from the premises must be measured bi-annually (to measure summer and winter levels) via a combination of attended and unattended noise monitoring measures at the potentially affected premises identified in Condition L4.1 of this licence.

M7.2 The noise monitoring program must be reviewed by the licensee. If no exceedance of the criteria occurs for 6 years and the EPA is satisfied with the review, noise monitoring will not be required to continue.

### Availability of Continuous Monitoring Equipment required by this Licence.

M7.3 All continuous monitoring equipment must be operated and maintained with the aim of achieving 100% availability in each licence year. Where a monitoring device does not achieve 95% availability, the licensee must report reasons and corrective actions to the EPA in the Annual Return.

## 6 Reporting Conditions

### R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:

- a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new



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licensee is granted; and

b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:

a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or

b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:

a) the licence holder; or

b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

## R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

## R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:

a) where this licence applies to premises, an event has occurred at the premises; or

b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,

and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

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- R3.3 The request may require a report which includes any or all of the following information:
- the cause, time and duration of the event;
  - the type, volume and concentration of every pollutant discharged as a result of the event;
  - the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
  - the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
  - action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
  - details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
  - any other relevant matters.
- R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

## R4 Other reporting conditions

### Ambient Air Monitoring Report

- R4.1 The following must be submitted to the EPA with the Annual Return:

A brief summary of the results for all Total Suspended Particulate (TSP) matter, Particulate Matter (PM<sub>10</sub>) and Particulate Matter (PM<sub>2.5</sub>) monitoring.

Tabular presentation of all TSP, PM<sub>10</sub> and PM<sub>2.5</sub> levels for monitoring/discharge point 20 and 21. The average result for TSP and PM<sub>10</sub> must be detailed within the table.

Where the 24-hour concentration of TSP exceeds 90µg/m<sup>3</sup> at point 21, the licensee must undertake an assessment to determine the likely reason for the elevated level, including:

- weather data;
- a comparison of TSP levels at monitoring/discharge point 20 and 21;
- the proportion of TSP that is PM<sub>10</sub>, PM<sub>2.5</sub> and PM<sub>1</sub>;
- the contribution of operating conditions; and
- other relevant factors.

Where the 24-hour concentration of PM<sub>10</sub> exceeds 50µg/m<sup>3</sup> at point 21, the licensee must undertake an assessment to determine the likely reason for the elevated level, including:

- weather data;
- a comparison of PM<sub>10</sub> levels at monitoring/discharge point 20 and 21;
- the proportion of PM<sub>10</sub> that is PM<sub>2.5</sub> and PM<sub>1</sub>;
- the contribution of operating conditions; and
- other relevant factors.

Ambient air quality information used to inform the licensee's Annual Environmental Monitoring Report for the financial year preceding 30 June in the reporting period and information used to inform the licensee's Interim Annual Environmental Monitoring Report for the six-month period from 1 July to 31 December in the reporting period may be used to satisfy Condition R4.1. Information collected from 1 January to 31

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March in the reporting period may be submitted to the EPA with the next Annual Return.

## Wet Weather Overflow Reporting

R4.2 The following must be submitted to the EPA with the Annual Return:

Details of any overflow from Point 22, Point 23, Point 26, Point 27, Point 28 and/or Point 29 specified by Conditions P1.2 and P1.3.

The following information must be provided for each overflow:

- a tabular presentation of the concentration of each pollutant specified in Condition M2.3;
- date and time of the commencement of each overflow;
- an estimate of the volume of each stormwater overflow and over what time period the overflow occurred;
- the weather conditions at the time of each overflow, specifying the amount of rainfall on a daily basis that had fallen a) on the day(s) of the overflow and b) for each day of the 7 day period prior to the overflow;
- an explanation as to why the overflow occurred;
- an estimate of sedimentation as a percentage of the design capacity of the relevant sedimentation pond identified in Condition O4.1;
- the location(s) of the discharge; and
- was the discharge permitted by the licence.

## 7 General Conditions

### G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

### G2 Other general conditions

#### G2.1 Completed Programs

Program	Description	Completed Date
PRP 1- Installation of additional dust control for Difficult Coal Types	Dust Control for Difficult Coal Types. Install additional controls and techniques to minimise dust resulting from handling difficult coal type products.	30-November-2004

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PRP 2 - Water Collection System Performance Upgrade	Water Collection System Performance Upgrade. Determine strategies to improve the performance of the water collection treatment and discharge system.	31-January-2007
PRP 3 - Investigate further dust control technique for difficult coal types	Investigate further dust control techniques for difficult coal types. Report the findings of the investigation and preferred dust control strategy.	30-June-2008
PRP 4 - Minimise Spillage of Coal from Maintenance Activities at Berth 102	Report on the Spillage Reduction For Berth 102. Options to improve the spillage capture/minimisation performance of Berth 102.	02-April-2009
PRP 5 - Reuse of treated effluent from Coniston STP in dust control	Reuse of treated effluent from Coniston STP in Dust Control. Implementation will save approx 1 Mega litre per day of potable water and reduce demand pressure on the Sydney drinking water dams.	30-June-2009
PRP 6 - Dust Management Improvement	Dust Management Improvement. Identify ways of improving the effectiveness of dust management and minimising dust emissions.	30-June-2010
PRP 7 - Green and Golden Bell Mangement Plan	Green and Golden Bell Mangement Plan. Minimise the risk of harm or damage to the GGBF and its habitat from any actual or potential pollution from the premises.	30-June-2009
PRP 8 - Identify options to improve the performance of the stormwater pollution control system	Identify options to improve the performance of the stormwater pollution control system. To improve the effectiveness of the stormwater pollution control system at the Port Kembla Coal Terminal.	31-August-2010
PRP 9 - Performance upgrades to the stormwater control system	Performance upgrades to the stormwater control system to improve the systems ability to control suspended solids discharged into Port Kembla Harbour.	30-June-2012
PRP10 - Environmental Improvement Program, Review Truck Wash Performance	Environmental Improvement Program, Review Truck Wash Performance	30-July-2011
PRP11 - Environmental Improvement Program, Install Northern Truck Wash Upgrades	The effectiveness of the northern truck wash can be improved. This PRP is for the purpose of improving the effectiveness of the northern truck wash. The work involves civil and electrical refurbishments & installations together with new operating procedures to be followed by trucking companies using the facility.	06-February-2015
PRP 12 - Implement upgrades to stormwater pollution control system	Implement recommendations from the Port Kembla Coal Terminal Pond Maintenance report or, if not reasonably practical, by alternate measures at the Central, North and TS1 Ponds, and Coal Stockyard area.	09-December-2016
PRP 13 - Algae control trial in Settlement Lagoon	The licensee submitted a proposal to trial the use of Eco-Tabs as a measure to prevent and treat algal growth in the Settlement Lagoon to EPA	31-March-2014

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Wagon Monitoring and Reporting Environmental Improvement Program	Implement a program of monitoring and reporting on the condition of loaded wagons received at the premises. All trains entering the dump-station will be assessed against criteria relating to likelihood that coal may have been spilt within the rail corridor during the trains most recent journey.	30-September-2016
EIP - Particulate Matter Control Best Practice Study	The licensee must conduct a Site-Specific Best Management Practice Study to identify the most practicable means to reduce particle emissions.	26-July-2017
EIP - Use of Real Time Particulate Monitoring Data for Operational Control	The licensee must review the effectiveness of the real time particulate monitoring system used at Port Kembla Coal Terminal and the associated management systems in place aimed at reducing dust emissions on site.	06-April-2017
EIP - Train Condition Exception Reporting	The licensee must complete visual train condition assessments for all trains arriving at the premises. The aim of this condition assessment is to identify wagons that are consistently loaded in a manner that clearly is likely to contribute to spillage of coal in the rail corridor.	30-November-2017
Implement Stockyard Spray Optimisation	Implement improvements to existing stockyard spray system. Follow up actions from U2 - Particulate Matter Control Best Practice Study	29-June-2018
Develop Management Plan for Southern Pads/bulk products area	Develop Management Plan for Southern Pads/Bulk products area. Follow up actions from U2 - Particulate Matter Control Best Practice Study	21-May-2018
Review Inbound Moisture Meters	Review current inbound moisture meter. Follow up actions from U2 - Particulate Matter Control Best Practice Study	29-June-2018
Environmental Improvement Program (EIP) - Install Moisture Meters Road Receival	Purchase, install and commission an inbound moisture meter on road receival system (in line with meter of rail receival system). Complete the integration of the new inbound road and rail receival moisture meters for automatically report to PKCT's electronic monitoring system.	28-August-2020

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## Dictionary

### General Dictionary

<b>3DGM [in relation to a concentration limit]</b>	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
<b>Act</b>	Means the Protection of the Environment Operations Act 1997
<b>activity</b>	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
<b>actual load</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>AM</b>	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
<b>AMG</b>	Australian Map Grid
<b>anniversary date</b>	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
<b>annual return</b>	Is defined in R1.1
<b>Approved Methods Publication</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>assessable pollutants</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>BOD</b>	Means biochemical oxygen demand
<b>CEM</b>	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
<b>COD</b>	Means chemical oxygen demand
<b>composite sample</b>	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
<b>cond.</b>	Means conductivity
<b>environment</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>environment protection legislation</b>	Has the same meaning as in the Protection of the Environment Administration Act 1991
<b>EPA</b>	Means Environment Protection Authority of New South Wales.
<b>fee-based activity classification</b>	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
<b>general solid waste (non-putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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<b>flow weighted composite sample</b>	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
<b>general solid waste (putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>grab sample</b>	Means a single sample taken at a point at a single time
<b>hazardous waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>licensee</b>	Means the licence holder described at the front of this licence
<b>load calculation protocol</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>local authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>material harm</b>	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
<b>MBAS</b>	Means methylene blue active substances
<b>Minister</b>	Means the Minister administering the Protection of the Environment Operations Act 1997
<b>mobile plant</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>motor vehicle</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>O&amp;G</b>	Means oil and grease
<b>percentile [in relation to a concentration limit of a sample]</b>	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
<b>plant</b>	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
<b>pollution of waters [or water pollution]</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>premises</b>	Means the premises described in condition A2.1
<b>public authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>regional office</b>	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
<b>reporting period</b>	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
<b>restricted solid waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>scheduled activity</b>	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
<b>special waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>TM</b>	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

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<b>TSP</b>	Means total suspended particles
<b>TSS</b>	Means total suspended solids
<b>Type 1 substance</b>	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
<b>Type 2 substance</b>	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
<b>utilisation area</b>	Means any area shown as a utilisation area on a map submitted with the application for this licence
<b>waste</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>waste type</b>	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Mr Bernie Weir

Environment Protection Authority

(By Delegation)

Date of this edition: 06-July-2000



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## End Notes

- 1 Licence varied by notice 1007959, issued on 03-Aug-2001, which came into effect on 28-Aug-2001.
- 2 Licence varied by notice 1015252, issued on 31-Oct-2003, which came into effect on 25-Nov-2003.
- 3 Licence varied by notice 1039267, issued on 28-Jul-2004, which came into effect on 22-Aug-2004.
- 4 Licence varied by notice 1041779, issued on 20-Jan-2005, which came into effect on 14-Feb-2005.
- 5 Licence varied by change to DEC Region allocation, issued on 16-Mar-2006, which came into effect on 16-Mar-2006.
- 6 Licence varied by notice 1065191, issued on 09-Nov-2006, which came into effect on 09-Nov-2006.
- 7 Licence varied by notice 1067980, issued on 11-Jan-2007, which came into effect on 11-Jan-2007.
- 8 Licence varied by notice 1069951, issued on 19-Mar-2007, which came into effect on 19-Mar-2007.
- 9 Licence varied by notice 1078245, issued on 21-Feb-2008, which came into effect on 21-Feb-2008.
- 10 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 11 Licence varied by notice 1095925, issued on 14-Jan-2009, which came into effect on 14-Jan-2009.
- 12 Licence varied by notice 1097763, issued on 20-May-2009, which came into effect on 20-May-2009.
- 13 Licence varied by notice 1105898, issued on 14-Jan-2010, which came into effect on 14-Jan-2010.
- 14 Licence varied by notice 1112039, issued on 31-May-2010, which came into effect on 31-May-2010.
- 15 Licence varied by notice 1118754, issued on 06-Jun-2011, which came into effect on 06-Jun-2011.
- 16 Licence varied by notice 1502631 issued on 08-Dec-2011
- 17 Licence varied by notice 1506259 issued on 15-Jun-2012
- 18 Licence varied by notice 1516203 issued on 22-Nov-2013
- 19 Licence varied by notice 1523013 issued on 24-Jun-2014
- 20 Licence varied by notice 1523315 issued on 15-Sep-2014

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21	Licence varied by notice	1525300 issued on 14-Sep-2015
22	Licence varied by notice	1536255 issued on 18-Dec-2015
23	Licence varied by notice	1537860 issued on 10-Feb-2016
24	Licence varied by notice	1544414 issued on 06-Oct-2016
25	Licence varied by notice	1546709 issued on 21-Nov-2016
26	Licence varied by notice	1548264 issued on 16-Jan-2017
27	Licence varied by notice	1552219 issued on 08-Jun-2017
28	Licence varied by notice	1555049 issued on 14-Mar-2018
29	Licence varied by notice	1568704 issued on 10-Dec-2018
30	Licence varied by notice	1577285 issued on 26-Mar-2019
31	Licence varied by notice	1583318 issued on 02-Aug-2019
32	Licence varied by notice	1597498 issued on 17-Aug-2020
33	Licence varied by notice	1603032 issued on 18-Feb-2021
34	Licence varied by notice	1606783 issued on 02-Jun-2021