



# Environment Protection Licence

Licence - 2504

Licence Details	
Number:	2504
Anniversary Date:	01-February

Licensee
ENDEAVOUR COAL PTY LIMITED
PO BOX 514
UNANDERRA NSW 2526

Premises
3. WEST CLIFF AND NORTH CLIFF COLLIERIES
WEDDERBURN ROAD
APPIN NSW 2560
1. APPIN COLLIERY
OFF APPIN ROAD
APPIN NSW 2560
2. APPIN WEST COLLIERY
DOUGLAS PARK DRIVE
DOUGLAS PARK NSW 2569

Scheduled Activity
Coal works
Mining for coal
Waste disposal (application to land)

Fee Based Activity	Scale
Coal works	> 5000000 T annual handing capacity
Mining for coal	> 5000000 T annual production capacity
Waste disposal by application to land	Any capacity

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Region
Metropolitan - Illawarra
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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:

ENDEAVOUR COAL PTY LIMITED
PO BOX 514
UNANDERRA NSW 2526

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
Mining for coal	Mining for coal	> 5000000 T annual production capacity
Waste disposal (application to land)	Waste disposal by application to land	Any capacity

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

- A2.1 The licence applies to the following premises:

Premises Details
<b>3. WEST CLIFF AND NORTH CLIFF COLLIERIES</b>
<b>WEDDERBURN ROAD</b>
<b>APPIN</b>
<b>NSW 2560</b>
THE AREAS BORDERED IN ORANGE ON MAP TITLED "WEST CLIFF AND NORTH CLIFF MINE", DATED MAY 2010 AND HELD ON EPA FILE LIC06/433-06. THIS AREA INCLUDES BOTH THE ABOVE GROUND AND APPROVED BELOW GROUND AREAS.
<b>1. APPIN COLLIERY</b>
<b>OFF APPIN ROAD</b>
<b>APPIN</b>
<b>NSW 2560</b>
THE AREAS BORDERED IN ORANGE ON MAP TITLED "APPIN EAST PIT TOP", DATED MAY 2010 AND HELD ON EPA FILE LIC06/433-06. THIS AREA INCLUDES BOTH THE ABOVE GROUND AND APPROVED BELOW GROUND AREAS.
<b>2. APPIN WEST COLLIERY</b>

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DOUGLAS PARK DRIVE
DOUGLAS PARK
NSW 2569
THE AREAS BORDERED IN ORANGE ON MAP TITLED "APPIN WEST PIT TOP", DATED MAY 2010 AND HELD ON EPA FILE LIC06/433-06. THIS AREA INCLUDES BOTH THE ABOVE GROUND AND APPROVED BELOW GROUND AREAS. THE RED HATCHED AREA ON THE MAP TITLED "ENERGY DEVELOPMENTS LIMITED EPL PREMISES" IS NOT PART OF THE PREMISES.

Note: In addition to the land set out in the Premises details table above, this licence also applies to underground coal mining areas:

- (a) that are the subject of any of the following leases:
- Consolidated Coal Lease 724 as set out in Plan A referred to in that Lease and a copy of which is held by the EPA; or
  - Consolidated Coal Lease 767 as set out in Plan A referred to in that Lease and a copy of which is held by the EPA;
  - Coal Lease 381 as set out in that Lease and a copy of which is held by the EPA;
  - Coal Lease 388 as set out in that Lease and a copy of which is held by the EPA;
  - Mining lease 1473 as set out in that Lease and a copy of which is held by the EPA;
  - Mining lease 1574 as set out in that Lease and a copy of which is held by the EPA;

and

(b) for which all necessary consents or approvals for mining for coal have been obtained (including any consent or approval required under the Environmental Planning and Assessment Act 1979).

The premises also includes the Appin Mine vent shaft no. 6 site located approximately 0.5 km east of Douglas Park township with the following lot and DP numbers.

- Lot 37/DP 8738
- Lot 35/DP8999
- Lot A/DP 421246
- Lot 1/DP 576136
- Lot 2/DP 576136
- Lot 1/DP 121322.

### A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

Ancillary Activity
Electricity generation
Resource Recovery



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## A4 Information supplied to the EPA

- A4.1 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.

<i>Air</i>			
EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
5	Discharge to air; Air emissions Monitoring - West Cliff and North Cliff Collieries.	Discharge to air; Air emissions Monitoring - West Cliff and North Cliff Collieries.	Exhaust stack labelled "LDP5" on map titled "West Cliff and North Cliff Mine" dated May 2010.
6	Discharge to air; Air emission monitoring - West Cliff Colliery,	Discharge to air; Air emission monitoring - West Cliff Colliery,	Exhaust stack labelled "LDP6" on map titled "West Cliff and North Cliff Mine" dated May 2010.
7	Discharge to air; Air emission monitoring - West Cliff Colliery.	Discharge to air; Air emission monitoring - West Cliff Colliery.	Exhaust stack labelled "LDP7" on map titled "West Cliff and North Cliff Mine" dated May 2010.
8	Discharge to air; air emission monitoring - West Cliff colliery.	Discharge to air; air emission monitoring - West Cliff colliery.	Exhaust stack labelled "LDP8" on map titled "West Cliff and North Cliff Mine" dated May 2010.
14	Dust Monitoring - Appin Colliery		Dust Gauge "AE-DD14" is located to the SE of the coal stockpile on the property boundary.
15	Dust Monitoring - Appin Colliery		Dust Gauge "AE-DD15" is located to the east of the coal stockpile near the sediment pond
16	Dust Monitoring - Appin Colliery		Dust Gauge "AE-DD16" is located on the north property boundary near the Sydney Water tank.
17	Dust Monitoring - Appin Colliery		Dust Gauge "AE-DD17" is located at the NE corner of the property boundary near the truck exit/entry point.

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26	Dust Monitoring - Appin Colliery	Dust Gauge "AE-DD18" is located at the SW corner of the coal stockpile next to the loading bin
27	PM10 Monitoring - Appin Colliery	Photometer "AE-PF1" is located at the NE corner of the property boundary near the truck entry/exit point.
28	PM10 Monitoring - Appin Colliery	Photometer "AE-PF3" is located at the NW corner of the property boundary.
29	Dust Monitoring - Appin West Colliery	Dust Gauge "AW-DD1" is located at the pit top between the mine access road, employee car park and EDL power plant.
30	Dust Monitoring - Appin West Colliery	Dust Gauge "AW-DD2" is located at the junction of the mine access road and Douglas Park Drive.
31	Dust Monitoring - West Cliff Colliery	Dust Gauge "W-DD1" is located at the junction of Wedderburn Rd and Appin Rd.
32	Dust Monitoring - West Cliff Colliery	Dust Gauge "W-DD3" is located at the pit top south site.
33	Dust Monitoring - West Cliff Colliery	Dust Gauge "AW-DD8" is located at Brennan Creek dam.
34	Dust Monitoring - West Cliff Colliery	Dust Gauge "W-DD10" is located on Wedderburn Road next to the product stockpiles.
35	PM10 Monitoring - West Cliff Colliery	Photometer "W-PF1" is located at the junction of Appin Road and Wedderburn Road.

P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.3 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
1		Discharge to waters	Overflow spillway from Brennans Creek Dam labelled "Point 1" on map titled "Bulli Seam Operations Point 10 Discharge Water EPL Variation" dated 12 January 2015 (Doc No:HSE-2015-140-Rev0).
3		Discharge to utilisation area - West Cliff and North Cliff Collieries.	Spray irrigation on grassed utilisation area shaded as '002 Spray Irrigation' on the Map titled "West Cliff - EPA Licence Authorised Discharge Points, DP-2672A" forwarded to the EPA with the Licence Information Form.

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4	Discharge Quality Monitoring. Volume Monitoring. - West Cliff and North Cliff Collieries.		Sampling tap in settling chamber of STP.
10	Discharge to waters Discharge quality monitoring Volume monitoring - West Cliff and North Cliff Collieries.	Discharge to waters Discharge quality monitoring Volume monitoring - West Cliff and North Cliff Collieries.	Piped Discharge outlet labelled "Point 10" on map titled "Bulli Seam Operations Point 10 Discharge Water EPL Variation" dated 12 January 2015( Doc No:HSE-2015-140-Rev0). Flowmeter location is denoted as "FM10" on the map.
11	Ambient water quality monitoring- West Cliff and North Cliff Collieries.		Georges River located approximately 50 metres upstream of the confluence with Brennans Creek labelled "LDP11" on map titled "West Cliff and North Cliff Mine" dated May 2010.
12	Ambient water quality monitoring - West Cliff and North Cliff Collieries.		Georges River located approximately 50 metres downstream of the confluence with Brennans Creek labelled "LDP12" on map titled "West Cliff and North Cliff Mine" dated May 2010.
13	Volume monitoring - West Cliff and North Cliff Collieries.		Flow monitoring location labelled "FM13" on map titled "Bulli Seam Operations Point 10 Discharge Water EPL Variation" dated 12 January 2015 (Doc No:HSE-2015-140-Rev0).
18	Discharge to waters. Discharge quality and volume monitoring (Stormwater Discharge) - Appin East Colliery	Discharge to waters. Discharge quality and volume monitoring (Stormwater Discharge) - Appin East Colliery	Underflow from the filter lagoon discharging through a v-notch weir labelled "LDP18" on map titled "Appin East Pit Top" dated May 2010.
19	Discharge to waters. Discharge quality and volume monitoring. (Surface Water Discharge) - Appin East Colliery	Discharge to waters. Discharge quality and volume monitoring. (Surface Water Discharge) - Appin East Colliery	Dyna Sand Filter outlet at location labelled "LDP19" on map titled "Appin East Pit Top" dated May 2010.
20	Discharge to land. Discharge quality and volume monitoring. (Spray Irrigation Discharge) - Appin East Colliery.	Discharge to land. Discharge quality and volume monitoring. (Spray Irrigation Discharge) - Appin East Colliery.	Envirocycle Irrigation Area as indicated by highlighted area labelled "LDP20" on map titled "Appin East Pit Top" dated May 2010.
21		Discharge to Waters (Spillway overflow) - Appin East Colliery	Overflow spillway from main dam labelled "LDP15" on map titled "Appin East Pit Top" dated May 2010.

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22	Discharge to utilisation area. Water quality monitoring Volume Monitoring. - Appin West Colliery	Discharge to utilisation area. Water quality monitoring Volume Monitoring. - Appin West Colliery	The 100mm poly pipe from the secondary stabilisation lagoon of the sewage treatment plant labelled "LDP22 Sample Location" on Plan A07-1240 "Appin West Effluent Irrigation Area" dated 30.08.11. The application area is labelled LDP22 "Irrigation Area"
23	Discharge to waters. Water quality monitoring. Discharge volume monitoring. - Appin West Colliery	Discharge to waters. Water quality monitoring. Discharge volume monitoring. - Appin West Colliery	Piped discharge outlet for stormwater labelled "LDP23" on map titled "Appin West Pit Top" dated May 2010.
24	Discharge to waters. Water quality monitoring. Discharge volume monitoring - Appin West Colliery	Discharge to waters. Water quality monitoring. Discharge volume monitoring - Appin West Colliery	Piped discharge outlet for minewater labelled "LDP24" on map titled "Appin West Pit Top" dated May 2010.
25		Discharge to waters. - Appin West Colliery	Overflow spillway on sand filtration dam wall labelled "LDP25" on map titled "Appin West Pit Top" dated May 2010.
36	Discharge to waters. Discharge quality monitoring - Douglas Park Vent Shaft No.6	Discharge to waters. Discharge quality monitoring - Douglas Park Vent Shaft No.6	Piped discharge outlet from primary sedimentation dam as described in the Vent Shaft No.6 Water Management Plan.
37		Discharge to waters - Douglas Park Vent Shaft No.6	Overflow spillway on primary sedimentation dam as described in the Vent Shaft No. 6 Water Management Plan.

## 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\.

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## L2.4 Water and/or Land Concentration Limits

### POINT 3

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Biochemical oxygen demand	milligrams per litre	30			50
Oil and Grease	milligrams per litre				10
pH	pH	6.5 - 8.5			6.0 - 9.0

### POINT 10

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Aluminium (dissolved)	micrograms per litre		800		
Arsenic (dissolved)	micrograms per litre		19		
Cadmium (dissolved)	micrograms per litre		0.5		
Chemical oxygen demand	milligrams per litre		50		
Cobalt (dissolved)	micrograms per litre		20		
Copper (dissolved)	micrograms per litre		18		
Lead (dissolved)	micrograms per litre		6		
Manganese (dissolved)	micrograms per litre		40		
Nickel (dissolved)	micrograms per litre		200		
Oil and Grease	milligrams per litre				10

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pH	pH	6.5 - 9.3
Total suspended solids	milligrams per litre	50
Zinc (dissolved)	micrograms per litre	84

## POINT 18

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Oil and Grease	milligrams per litre				10
pH	pH				6.5 - 8.5
Total suspended solids	milligrams per litre				50

## POINT 19

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Oil and Grease	milligrams per litre				10
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				50

## POINT 20

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Biochemical oxygen demand	milligrams per litre	30			50
Oil and Grease	milligrams per litre				10
pH	pH	6.5-8.5			6.0-9.0

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## POINT 22

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Biochemical oxygen demand	milligrams per litre	30			50
Oil and Grease	milligrams per litre				10
pH	pH	6.5-8.5			6.0-9.0

## POINT 23

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Oil and Grease	milligrams per litre				10
pH	pH				6.5 - 8.5
Total suspended solids	milligrams per litre				50

## POINT 24

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Oil and Grease	milligrams per litre				10
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				30

### L2.5 For Point 10:

The 80th percentile concentration limit for electrical conductivity is 2000 microsiemens per centimetre.

The 80th percentile concentration limit for total dissolved solids is 1900 milligrams per litre.

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## L3 Volume and mass limits

- L3.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:
- a) liquids discharged to water; or;
  - b) solids or liquids applied to the area;
- must not exceed the volume/mass limit specified for that discharge point or area.

Point	Unit of Measure	Volume/Mass Limit
18	kilolitres per day	1000
19	kilolitres per day	2000
20	kilolitres per day	13
22	kilolitres per day	80
24	kilolitres per day	3000

## L4 Waste

- L4.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below.
- Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below.
- Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below.
- This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	General or Specific exempted waste			NA
NA	Coal washery rejects			NA

## 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.



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## 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.

## O4 Effluent application to land

- O4.1 Effluent application must not occur in a manner that causes surface runoff.
- O4.2 Spray from effluent application must not drift beyond the boundary of the premises.
- O4.3 The quantity of effluent/solids applied to the utilisation area must not exceed the capacity of the area to effectively utilise the effluent/solids.

For the purpose of this condition, 'effectively utilise' include the use of the effluent/solids for pasture or crop production, as well as the ability of the soil to absorb the nutrient, salt, hydraulic load and organic material.

## 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:
- a) in a legible form, or in a form that can readily be reduced to a legible form;
  - b) kept for at least 4 years after the monitoring or event to which they relate took place; and
  - c) 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:
- a) the date(s) on which the sample was taken;
  - b) the time(s) at which the sample was collected;
  - c) the point at which the sample was taken; and
  - d) the name of the person who collected the sample.

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## 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 14,15,16,17,26,29,30,31,32,33,34

Pollutant	Units of measure	Frequency	Sampling Method
Ash	grams per square metre per month	Monthly	Australian Standard 3580.10.1-2003
Combustible solids	grams per square metre per month	Monthly	Australian Standard 3580.10.1-2003
Insoluble solids	grams per square metre per month	Monthly	Australian Standard 3580.10.1-2003

#### POINT 27,28,35

Pollutant	Units of measure	Frequency	Sampling Method
PM10	micrograms per cubic metre	Monthly	Continuously

### M2.3 Water and/ or Land Monitoring Requirements

#### POINT 4

Pollutant	Units of measure	Frequency	Sampling Method
Biochemical oxygen demand	milligrams per litre	Monthly during discharge	Grab sample
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample

#### POINT 10

Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Monthly during discharge	Grab sample
Aluminium (dissolved)	milligrams per litre	Monthly during discharge	Grab sample

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Arsenic (dissolved)	micrograms per litre	Monthly during discharge	Grab sample
Bicarbonate	milligrams per litre	Monthly during discharge	Grab sample
Cadmium (dissolved)	micrograms per litre	Monthly during discharge	Grab sample
Chemical oxygen demand	milligrams per litre	Monthly during discharge	Grab sample
Cobalt (dissolved)	micrograms per litre	Monthly during discharge	Grab sample
Conductivity	microsiemens per centimetre	Continuous during discharge	In line instrumentation
Copper (dissolved)	micrograms per litre	Monthly during discharge	Grab sample
Lead (dissolved)	micrograms per litre	Monthly during discharge	Grab sample
Manganese (dissolved)	micrograms per litre	Monthly during discharge	Grab sample
Nickel (dissolved)	micrograms per litre	Monthly during discharge	Grab sample
Nitrogen (ammonia)	micrograms per litre	Monthly during discharge	Grab sample
Nitrogen (total)	micrograms per litre	Monthly during discharge	Grab sample
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
Oxidised nitrogen	micrograms per litre	Monthly during discharge	Grab sample
pH	pH	Continuous during discharge	In line instrumentation
Total dissolved solids	milligrams per litre	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample
Turbidity	nephelometric turbidity units	Continuous during discharge	In line instrumentation
Zinc (dissolved)	micrograms per litre	Monthly during discharge	Grab sample

## POINT 11

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample

## POINT 12

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Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample

## POINT 18

Pollutant	Units of measure	Frequency	Sampling Method
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample

## POINT 19

Pollutant	Units of measure	Frequency	Sampling Method
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample

## POINT 20

Pollutant	Units of measure	Frequency	Sampling Method
Biochemical oxygen demand	milligrams per litre	Monthly during discharge	Grab sample
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample

## POINT 22

Pollutant	Units of measure	Frequency	Sampling Method
Biochemical oxygen demand	milligrams per litre	Monthly during discharge	Grab sample
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample

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## POINT 23

Pollutant	Units of measure	Frequency	Sampling Method
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample

## POINT 24

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample

## POINT 36

Pollutant	Units of measure	Frequency	Sampling Method
Electrical conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample

Note: The monitoring results collected at Point 4 in compliance with Condition M2.1 can be used to determine compliance with the concentration limit specified in Condition L3.1 for discharge from Point 3.

Note: For discharge point 10, discharge point 11 and discharge point 12, the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1 on the same day during a 4 hour period. The licensee must use the sampling method, units of measure and sample at the frequency specified opposite in the other columns. All samples must be representative.

Note: Within a week of receiving monitoring results showing that any pollutant concentration measured at point 10 exceeds the 90 percentile limit for that pollutant, the licensee must notify the EPA of the result and must take a further sample to be analysed for that pollutant. The monitoring must continue weekly until the measured concentration is below the 90 percentile limit. The results from weekly sampling required by this note are not to be used to determine compliance with licence limits.

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## 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:
- a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
  - b) 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
  - c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.
- 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.

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".

## M4 Recording of pollution complaints

- M4.1 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.
- M4.2 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.
- M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.
- M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

## M5 Telephone complaints line

- M5.1 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.

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M5.2 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.

M5.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

## M6 Requirement to monitor volume or mass

M6.1 For each discharge point or utilisation area specified below, the licensee must monitor:

- a) the volume of liquids discharged to water or applied to the area;
- b) the mass of solids applied to the area;
- c) the mass of pollutants emitted to the air;

at the frequency and using the method and units of measure, specified below.

### POINT 4

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	In line instrumentation

### POINT 10

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	In line instrumentation

### POINT 13

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	In line instrumentation

### POINT 18

Frequency	Unit of Measure	Sampling Method
Continuous during discharge	kilolitres per day	In line instrumentation

### POINT 19

Frequency	Unit of Measure	Sampling Method
Continuous during discharge	kilolitres per day	In line instrumentation

### POINT 20

Frequency	Unit of Measure	Sampling Method
Continuous during discharge	kilolitres per day	In line instrumentation

### POINT 22

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	Flow meter and continuous logger

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## POINT 24

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	Flow meter and continuous logger

- M6.2 The monitoring results collected at Point 4 in compliance with Condition M6.1 can be used to determine compliance with the volume limit specified in Condition L4.1 for discharge from Point 3.

## 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 a copy of the form that must be completed and returned to the EPA.

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



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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.

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.

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

## 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.

R3.3 The request may require a report which includes any or all of the following information:

- a) the cause, time and duration of the event;
- b) the type, volume and concentration of every pollutant discharged as a result of the event;
- c) 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;
- d) 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;
- e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
- f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and

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g) 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.

## 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 Signage

G2.1 Each monitoring and discharge point must be clearly marked by a sign that indicates the EPA point identification number.

### G3 Other general conditions

#### G3.1 Pollution Reduction Programs (PRPs) – Completed (West Cliff and North Cliff Collieries)

PRP No	PRP	Description	Completed Date
1	Discharge Water Quality	To chemically characterise the quality of the water discharges from Brennans Creek Dam and the chemical impacts on the ambient water quality of the Georges River	6 Mar 2003
2	Appin Colliery Mine water Trial	To determine the impact on the water quality of the Brennans Creek water system from the use of imported saline Appin Colliery mine water in the Westcliff Coal Preparation Plant.	Removed from licence June 2004 – PRP no longer required

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3	Effluent Utilisation Area	To provide a detailed report on the operation of the effluent treatment plant and the irrigation utilisation area	20 Feb 2004
4	Georges River Ecological Assessment Report	The aim of this PRP is to provide a report to investigate if there is an ecologically significant impact on the surface waters receiving the treated mine waters discharged from point 2 is occurring, including Brennans Creek and the Georges River.	5 June 2004
5	Coal Tracking from Truck Wash	The aim of this study is to recognise and address the issue of coal fine tracking from the premises given the potential for this to cause pollution of waters.	1 Sept 2005
6	Georges River Ecological Assessment	The aim of this PRP is to investigate and report on the surface waters receiving the mine waters discharged from Westcliff Colliery premises, including Brennans Creek and the Georges River, to determine if any ecologically significant impact is occurring.	3 Jan 2005
7	Brennans Creek Discharge Trial	The aim of this PRP is to trial controlled discharges of water from Brennans Creek Dam (bottom waters) and the Reclaim Pond (the "Trial") in an endeavour to minimize the frequency of rain induced uncontrolled releases over the dam spillway. The releases will be undertaken in an effort to optimize the salinity and control the pH of discharges.	31 March 2006
8	Materials Storage	The aim of this PRP is to ensure materials are stored at the premises in a way which contains leaks and spills and minimizes odour and dust generation.	30 April 2005

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9	Georges River Ecological Assessment (Continuation)	The aim of this PRP is to further investigate and report on the surface waters receiving the mine waters discharged from Westcliff Colliery premises, including Brennans Creek and the Georges River to determine if any ecologically significant impact is occurring.	31 March 2006
21	Implementation of Dust Control Best Management Practices	Implement best practice measures for dust minimisation.	29 January 2015
22	Investigation to reduce Coal Dust Tracked onto Roads from West Cliff Colliery	Investigation to determine the level and ways to reduce the amount of coal dust tracked on to Webberburn Road	29 January 2015
U4 EIP1	Implementation of Dust Control Works on Wedderburn Road	Install under-road drainage, road re-contouring, road shoulder improvements	31 July 2015

## G3.2 Pollution Reduction Programs (PRPs) - Completed (Appin Colliery)

PRP No	PRP	Description	Completion Date
1	Discharge Water Quality	To chemically characterise the quality of the water discharges from Appin Colliery premises and the chemical impacts on the ambient water quality of the Georges River	23 Jan 2003
2	Discharge Volume Monitoring	To provide advice detailing the methodology used for measuring discharge volume at licensed discharge points.	1 Oct 2002
3	Point 2 Discharge Volume Monitoring	To install and commission a discharge volume metering device at Point 2	1 Oct 2001
4	Aquifer Mine Water Discharge Trial	To provide a report evaluating the monitoring data relating to the Stage 2 of the 'Bulgo Sandstone Strata Injection Trial'	22 Feb 2002
5	Effluent Treatment Management	To provide a report outlining the operation and management of the effluent treatment system	1 May 2004

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6	Coal and Coal Fines Tracking	The aim of this study was to recognise and address the issue of coal fine tracking from the premises given the potential for this to cause pollution of waters. The PRP was designed to investigate ways to reduce tracking coal fines onto public roads and was not limited to truck washing	1 Sept 2004
7	Bulgo Sandstone Strata Discharge Trial	To allow the trial discharge of minewater underground to test the potential for the Bulgo sandstone strata to accept saline minewater in place of its discharge to the Georges River.	29 June 2006
8	Georges River Ecological Assessment Report	The aim of this PRP was to develop a monitoring protocol to investigate if there is an ecologically significant impact on the surface waters receiving the treated mine waters discharged from point 2, including Brennans Creek and the Georges River.	5 June 2004
9	Borefield Discharge Minewater treatment	To provide a written report on the outcomes into an investigation of treatment options for the filtering of mine water discharged through Point 6 to the Bulgo Sandstone Strata Injection Trial.	28 June 2004
10	Undertake Georges River Ecological Assessment	To investigate and report on any ecologically significant impact on the surface waters receiving the mine waters discharged from Appin Colliery, including Brennans Creek and the Georges River.	3 Jan 2005
11	Materials Storage	To detail a program of works to ensure materials are correctly stored and banded at the premises.	30 April 2005
12	Review of Dust Monitoring Network	To carry out an investigation into the location of the existing dust monitoring network against the appropriate Australian Standard and provide a report to the EPA.	30 June 2005

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13	Georges River Ecological Assessment (Continuation)	To determine if there is any significant impact on the ecology of the Georges River as a consequence of receiving discharges from Appin Colliery.	31 March 2006
14	Materials Storage Implementation	To implement works to ensure that materials are stored at the premises in a way that contains leaks and spills and minimises odour and dust generation.	23 October 2007

## G3.3 Pollution Reduction Programs (PRPs) - Completed (Appin West Colliery)

PRP No	PRP	Description	Completed Date
1	Discharge Water Quality	To chemically characterise the quality of the water discharges from Point 1 and the chemical impacts on the ambient water quality of Allens Creek and the Nepean River.	1 Sep 2003
2	Effluent Utilisation Area	To provide a written assessment and review of the utilisation of treated effluent in accordance with draft EPA environmental guidelines	6 Aug 2002
3	Mine Water Irrigation	To provide a written assessment and review of the utilisation of waste mine water in accordance with draft EPA environmental guidelines	8 Oct 2002
4	Stormwater management	To provide a written assessment and review of the current stormwater management practices on the premises.	Completed
5	Discharge Point 3 Location Diagram	To provide a surveyed diagram to detail the perimeter boundary of the St Mary's Towers mine water irrigation area	15 May 2003
6	Allens Creek and Nepean River Ecological Assessment Report	The aim of this PRP is to provide a report to investigate if there is an ecologically significant impact on the surface waters receiving the treated mine waters discharged from the premises is occurring, including Allens Creek and the Nepean River.	5 June 2004

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7	Allens Creek and Nepean Ecological Assessment	The aim of this PRP is to investigate and report on any ecologically significant impact the mine waters discharged from Tower Colliery (now called Douglas Colliery) are having on their receiving waters.	22 Nov 2004
8	Investigations into Desalination of Point 2 Mine Water Discharges	To investigate significantly improved quality of water discharged to the Nepean catchment, increase the reuse of the mine water and minimise use of potable water in mine operations.	15 Dec 2004
9	Materials Storage	To provide a report that details a program of works to be undertaken to ensure materials are correctly stored and bunded, that is, compliant with the Australian Standards and legislation, and in a way that contains leaks and spills and minimises odour and dust generation.	31 May 2005
10	Water Management	To provide a report reviewing surface water, mine water and sewage management on site with an aim to reducing impacts on receiving waterways by improved capture, treatment and disposal.	29 June 2005
11	Allens Creek and Nepean River Ecological Assessment Report (Continuation)	To provide a report containing the results of further sampling to determine potential ecological impacts on surface waters receiving treated mine water discharged from the premises. (Xref PRP7)	31 March 2006
12	Materials Storage (Implementation)	To implement a program of works to improve material storage at the premises that were described in the report required by PRP9.	30 June 2006
13	Implementation of Improved Surface Water Management – Stage 1	To implement the stage one improvements to surface water management, resulting from the investigation required by PRP 10 “Water Management”	30 Dec 2006

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14	Operation of Pilot Plants and Investigation of Desalination Technology	To investigate and test of preferred treatment technologies to reduce the pH and conductivity (salinity) of discharges via Discharge Point 3.	28 Jan 2007
15	Installation of Desalination Equipment to Treat Mine water Discharged from Point 3	The installation of water treatment equipment to reduce the electrical conductivity (salinity) and pH of water discharged from licensed discharge point 3.	28 Jan 2007
16	Brine Disposal & Reuse	To examine alternative options for management of brine generated by the desalination plant at Appin West colliery.	5 Feb 2010

## 8 Pollution Studies and Reduction Programs

### U1 EIP2 Georges River Environmental Improvement Program

#### U1.1 AIM:

The aim of this Environment Improvement Program (EIP) is to improve water quality and aquatic health in the Georges River downstream of licenced discharge point 10 (Brennans creek discharge).

#### WORKS:

The licensee must undertake its commitments to works and activities described in the latest controlled version of the document titled "Illawarra Coal, Bulli Seam Operations, Georges River Environmental Improvement Program".

The latest version of the document must be displayed on the licensee's website.

In addition to the reporting and consultation commitments in document, the licensee must submit a report to the EPA by the due date recommending licence limits for discharge point 10.

DUE DATE: 30 June 2019

Note: This EIP follows from Pollution Reduction Programs 19 and 20.



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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

Ms Debbie Maddison

Environment Protection Authority

(By Delegation)

Date of this edition: 14-February-2001

# Environment Protection Licence

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## End Notes

- 1 Licence varied by notice 1008874, issued on 09-Jan-2002, which came into effect on 09-Jan-2002.
- 2 Licence transferred through application 141377, approved on 08-Aug-2002, which came into effect on 01-Jul-2002.
- 3 Licence varied by correction to EPA Sub Region data record, issued on 17-Sep-2002, which came into effect on 17-Sep-2002.
- 4 Licence varied by notice 1025524, issued on 10-Jul-2003, which came into effect on 04-Aug-2003.
- 5 Licence varied by notice 1029826, issued on 15-Oct-2003, which came into effect on 22-Oct-2003.
- 6 Licence varied by notice 1034664, issued on 11-May-2004, which came into effect on 05-Jun-2004.
- 7 Licence varied by notice 1037771, issued on 18-Jun-2004, which came into effect on 13-Jul-2004.
- 8 Licence varied by notice 1040023, issued on 20-Sep-2004, which came into effect on 15-Oct-2004.
- 9 Licence varied by notice 1041777, issued on 25-Oct-2004, which came into effect on 19-Nov-2004.
- 10 Licence varied by correction to EPA Region, issued on 22-Nov-2004, which came into effect on 22-Nov-2004.
- 11 Licence varied by notice 1043281, issued on 06-Jan-2005, which came into effect on 31-Jan-2005.
- 12 Licence varied by change to EPA file number, issued on 02-Feb-2005, which came into effect on 02-Feb-2005.
- 13 Licence varied by notice 1046029, issued on 05-Apr-2005, which came into effect on 30-Apr-2005.
- 14 Licence varied by change to DEC Region allocation, issued on 16-Mar-2006, which came into effect on 16-Mar-2006.
- 15 Licence varied by notice 1073110, issued on 30-May-2007, which came into effect on 30-May-2007.
- 16 Licence varied by notice 1085199, issued on 01-May-2008, which came into effect on 01-May-2008.
- 17 Licence varied by notice 1085626, issued on 02-Jul-2008, which came into effect on 02-Jul-2008.

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18	Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
19	Licence varied by notice 1096767, issued on 14-Jan-2009, which came into effect on 14-Jan-2009.
20	Licence varied by notice 1104170, issued on 06-Nov-2009, which came into effect on 06-Nov-2009.
21	Licence varied by notice 1110208, issued on 24-Dec-2009, which came into effect on 24-Dec-2009.
22	Licence varied by notice 1114258, issued on 29-Jun-2010, which came into effect on 29-Jun-2010.
23	Licence varied by notice 1129625, issued on 28-Jun-2011, which came into effect on 28-Jun-2011.
24	Licence varied by notice 1501766 issued on 19-Oct-2011
25	Licence varied by notice 1502947 issued on 19-Dec-2011
26	Licence varied by notice 1504090 issued on 22-Mar-2012
27	Licence varied by notice 1508855 issued on 24-Apr-2013
28	Licence varied by notice 1515381 issued on 25-Feb-2014
29	Licence varied by notice 1525721 issued on 28-Oct-2014
30	Licence varied by notice 1527985 issued on 11-Feb-2015
31	Licence varied by notice 1539390 issued on 31-Mar-2016
32	Licence varied by notice 1542883 issued on 01-Aug-2016
33	Licence varied by notice 1546867 issued on 21-Dec-2016
34	Licence varied by notice 1554863 issued on 01-Aug-2017
35	Licence varied by notice 1560310 issued on 22-Dec-2017