

Environment Protection Licence

Licence - 12513

Licence Details	
Number:	12513
Anniversary Date:	25-July

Licensee
DIXON SAND PTY LTD
PO BOX 4019
PITT TOWN NSW 2756

Premises
DIXON SAND PTY LTD
HAERSES ROAD AND INTERSECTION OF WISEMANS FERRY ROAD
MARROOTA NSW 2756

Scheduled Activity
Crushing, grinding or separating
Extractive activities

Fee Based Activity	Scale
Crushing, grinding or separating	> 100000-500000 T annual processing capacity
Land-based extractive activity	> 100000-500000 T annual capacity to extract, process or store

Region
Metropolitan - Sydney Industry
Level 13, 10 Valentine Ave
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:

DIXON SAND PTY LTD
PO BOX 4019
PITT TOWN NSW 2756

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
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity
Extractive activities	Land-based extractive activity	> 100000 - 500000 T annual capacity to extract, process or store

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
DIXON SAND PTY LTD
HAERSES ROAD AND INTERSECTION OF WISEMANS FERRY ROAD
MAROOKA
NSW 2756
LOT A DP 407341, LOT B DP 407341, LOT 170 DP 664766, LOT 170 DP 664767, LOT 176 DP 752039, LOT 177 DP 752039, LOT 216 DP 752039

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:

- 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
- the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

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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
1	Ambient air monitoring		Ambient air monitoring site location near the Maroota Public School as marked in "Figure 1.3 - Existing and Proposed Development" provided 30 November 2004.
3	Ambient air monitoring		Dust deposition gauge located on the site between Stage 4 works and the west dam on the site near Stage 4 works

P1.2 The following points referred to in the table below are identified in this licence for the purposes of weather and/or noise monitoring and/or setting limits for the emission of noise from the premises.

<i>Noise/Weather</i>		
EPA identification no.	Type of monitoring point	Location description
2	Meteorological Station	Meteorological station near Maroota Public School as marked in "Figure 1.3 - Existing and Proposed Development" provided to the DEC (by Fax) on 30 November 2004

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 Waste

L2.1 The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal of any waste generated at the premises to be disposed of at the premises, except as expressly permitted by a licence under the

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Protection of the Environment Operations Act 1997.

L2.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if those activities require an environmental protection licence under the Protection of the Environment Operations Act 1997.

L3 Noise limits

L3.1 Noise generated at the premises must not exceed the noise limits presented in the table below. Note that the noise limits represent the noise contribution from the Haerses Road sand quarry site at Maroota.

Receiver	Location	Day	Shoulder (6am to 7am)	Shoulder (6am to 7am)
		LAeq(15 minutes)	LAeq(15 minutes)	LA(max)
R1	1725 Wisemans Ferry Road	37	37	45
R2	1700 Wisemans Ferry Road	40	40	45
R3	1643 Wisemans Ferry Road	38	38	45
R4	1617 Wisemans Ferry Road	37	37	45
R6	1543 Wisemans Ferry Road	37	35	45
R7	1539 Wisemans Ferry Road	36	35	45
R8	1521 Wisemans Ferry Road	36	35	45
All other residences on privately owned land		35	35	45

L3.2 For the purpose of condition L3.1

- Day is defined as the period from 7am to 6pm Sunday and Public Holidays.
- Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sundays and Public Holidays.

L3.3 Noise from the premises is to be measured at the most affected point or within the residential boundary or the most affected point within 30m of the dwelling (rural situations) where the dwelling is more than 30m from the boundary to determine compliance with the LAeq(15 minutes) noise limit in condition L3.1.

Where it can be demonstrated that direct measurement of noise from the premises is impractical, the EPA may accept alternate means of determining compliance. See relevant chapter of NSW Noise Policy for Industry.

The modification factors presented in Fact Sheet C of the NSW Noise Policy for Industry must also be

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applied to the measured noise levels where applicable.

Definition:

$L_{A10(15 \text{ minutes})}$ is the sound pressure level that is exceeded for 10% of the time when measured over a 15 minute period.

Note: Noise measurement

For the purpose of noise measures required for this condition, the L_{A10} noise level must be measured or computed at any point specified in the table above over a period of 15 minutes using "FAST" response on the sound level meter.

For the purpose of the noise criteria for this condition, 5dBA must be added to the measures level if the noise is substantially tonal or impulsive in character. The location or point of impact can be different for each development. Measurement locations can be:

- 1 metre from the façade of the residence for night time assessment;
- at the residential boundary, 30 metres from the residence (rural situations) where boundary is more than 30 metres from residence.

L3.4 Noise from the premises is to be measured at 1 metre from the dwelling façade to determine compliance with the $L_{A(max)}$ noise level in condition L3.1.

L3.5 The noise emission limits identified in condition L3.1 apply under all meteorological conditions (wind speed up to 3m/s at 10 metres above ground level, except under conditions of temperature inversions must be addressed by:

- Documenting noise complaints received to identify any higher level of impacts or patterns of temperature inversions; and
- Where levels of noise complaints indicate a higher level of impact then actions to quantify and ameliorate any enhanced impacts under temperature inversions conditions should be developed and implemented.

L3.6 Activities at the premises, other than construction work, may only be carried out between 0600 hours and 1800 hours Monday to Saturday, and at no time on Sundays and Public Holidays.

L3.7 This condition does not apply to the delivery of material outside the hours of operation permitted by condition L3.6, if that delivery is required by police or other authorities for safety reasons; and/or the operation or personnel or equipment are endangered. In such circumstances, prior notification is provided to the EPA and affected residents as soon as possible, or within a reasonable period in the case of emergency.

L3.8 The hours of operation specified in conditions L3.6 may be varied with written consent if the EPA is satisfied that the amenity of the residents in the locality will not be adversely affected.

L4 Potentially offensive odour

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

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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 All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.

O3.2 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

O3.3 The licensee must maintain and operate a continuous dust monitoring device at monitoring Point 1 identified in condition P1.1. The device must be fitted with an automatic alarm system alerting quarry managers once the trigger value for PM10 (42µg/m³) is reached.

O3.4 Dust deposition gauges installed at the site must be operated and maintained in accordance with the current Australian Standard: *Ambient air - Particulate matter Determination of deposited matter expressed as insoluble solids, ash, combustible matter, soluble solids and total solids for deposition gauges*.

O3.5 The licensee must operate and maintain a continuous automatic meteorological station at monitoring Point 2 identified in condition P1.2 of the licence according to the requirements of the current Australian Standard: *Ambient air - Guide for measurement of horizontal wind for air quality applications*.

Wind monitoring components of the meteorological station must be interfaced with the continuous dust monitoring device identified in condition P1.1.

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- O3.6 The licensee must ensure that dust generated by the development does not cause any additional exceedances of the air quality impact assessment criteria listed in the table below at any residence on any privately owned land, listed in condition L3.1.

Note: Deposited dust is assessed as insoluble solids as defined by Standards Australia AS 3580.10.1, Methods for Sampling and Analysis of Ambient Air - Determination of Particulates - Deposition Matter - Gravimetric Methods.

Pollutant	Averaging period	Reference Condition	Criterion
Total suspended particulate (TSP)	Annual	Long term	90 ug/m3
Particulate matter <10 um (PM10)	Annual	Long term	30 ug/m3
Particulate matter <10 um (PM10)	24 hour	Short term	50 ug/m3
Deposited dust	Annual	Long term	4g/m2/month (max total) 2g/m2/month (max increase)

O4 Processes and management

- O4.1 A Site Water Management Plan (SWMP) must be implemented at the premises. The plan must include a Soil and Water Management Plan, a Stormwater Management Scheme and a Groundwater Monitoring Program.
- O4.2 The Soil and Water Management Plan must:
- describe what measures will be implemented to minimise soil erosion, and the discharge of sediment and other pollutants, during each stage of the development including:
 - road and intersection works;
 - initial clearing and topsoil stripping;
 - extraction; and
 - noise bund construction.
 - include control measures that have the capacity to contain rainfall and stormwater runoff generated from a 90th percentile, 5 day rainfall event for the life of the development.
- O4.3 The Groundwater Monitoring Program must:
- describe what measures would be put in place to establish wet weather groundwater levels at the premises;
 - monitor any potential adverse impacts of the development on groundwater levels and quality;
 - detail contingency measures that would be put in place in the event that groundwater is breached and/or contaminated.

The SWMP should be prepared in accordance with the requirements of *Managing Urban Stormwater Soil and Construction* Latest Edition.

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- O4.4 The Stormwater Management Scheme mentioned in condition O4.1 must mitigate the impacts of stormwater run-off from and within the premises at all times. The Scheme should be consistent with the Stormwater Management Plan for the catchment. Where a Stormwater Management Plan has not yet been prepared the Scheme should be consistent with the guidance contained in the latest edition of Landcom's Manual titled *"Managing Urban Stormwater Soil and Construction Volume 1"*.
- O4.5 The licensee must construct and maintain sediment dams for every stage of the extraction area for the life of the quarry. Sediment dams must be in place prior to any extraction taking place in the respective strip of each stage and must be designed and constructed in accordance with the most recent edition of *Managing Urban Stormwater Soil and Construction*.
- Notwithstanding the above, the dams must have sufficient capacity to contain rainfall and runoff generated from a 90th percentile, five day rainfall event ("the design event") for the life of the quarry.
- O4.6 If mud, sediment or other raw materials are found to be tracked off the premises the Company must install, operate and maintain on the premises an automatic wheel wash or similar facility that will be capable of washing the underside of vehicles, wheels, wheel arches and axles of all vehicles leaving the premises. In addition to this, appropriate measures must be put in place that ensures that all vehicles leaving premises must go through the wheel wash facility.
- O4.7 The entrance to the premises must be maintained in a sealed state.
- O4.8 The sealed access road to the premises must be kept free of dust, sediment and other raw materials at all times.
- O4.9 The licensee must prevent any tracking of mud on public roads by vehicles leaving the premises.

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.
- M1.4 The licensee must keep in an electronic format the following records for monitoring Point 1 identified in

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licence condition P1.1:

- (a) each 15 minute PM10 result;
- (b) each rolling 24-hour average PM10 results (15 minutes);
- (c) each daily 24-hour average PM10 result (midnight to midnight); and
- (d) the rolling annual average PM10 result (each day, midnight to midnight, and over the total number of days of monitoring since monitoring began for first year of monitoring only).

M1.5 The licensee must keep in an electronic format the following records for Point 2 identified in licence condition P1.2: each 15 minute, 1 hour and 24 hour result as indicated in the table at condition M4.1.

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 1

Pollutant	Units of measure	Frequency	Sampling Method
PM10	micrograms per cubic metre	Continuous	Australian Standard 3580.9.8 - 2001

M2.3 If any rolling 24-hour average PM10 result measured at Point 1 in licence condition M2.2 is found to be greater than 42 µg/m³ and the prevailing wind at the site is between 180 and 240 degrees as measured at Point 2:

- i) the licensee must take immediate action to reduce its PM10 emissions;
- ii) the licensee must immediately notify the EPA Manager Sydney Industry;
- iii) if the dust level does not return to below 42 µg/m³ within 1 hour then all dust generating activity on site must stop; and,
- iv) dust generating activity may only recommence when the rolling 24-hour average PM10 result measured at Point 1 is less than 42 µg/m³ for four consecutive 15-minute periods.

M2.4 A comprehensive written action plan must be developed and implemented to ensure compliance with condition M2.3.

M3 Testing methods - concentration limits

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".

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

M4 Weather monitoring

- M4.1 At the point(s) identified below, the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1 of the table below, using the corresponding sampling method, units of measure, averaging period and sampling frequency, specified opposite in the Columns 2, 3, 4 and 5 respectively.

POINT 2

Parameter	Sampling method	Units of measure	Averaging period	Frequency
Temperature at 10 metres	AM-4	degrees Celsius	1 hour	Continuous
Wind Direction at 10 metres	AM-2 & AM-4	-	15 minutes	Continuous
Wind Speed at 10 metres	AM-2 & AM-4	metres per second	15 minutes	Continuous
Sigma Theta	AM-2 & AM-4	-	15 minutes	Continuous
Rainfall	AM-4	millimetres	24 hours	Continuous

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

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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.

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

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

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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.

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:

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- 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
- 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 Other general conditions

G2.1 A community environment liaison committee must be maintained, comprising representatives of the community and the applicant, that will meet at least every 6 months. Discussion at the meetings must include implementation of the development consent and other statutory approvals, and provide adequate time for the community to raise matters of concern associated with the environmental impacts of the operation, with a view to achieving mutually satisfactory solutions.

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	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
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	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> .
AMG	Australian Map Grid
anniversary date	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.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	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> .
COD	Means chemical oxygen demand
composite sample	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.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	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.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	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.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	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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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Mr Kieran Horkan

Environment Protection Authority

(By Delegation)

Date of this edition: 25-July-2006

End Notes

- 1 Licence varied by updating references to the Clean Air Reg, issued on 12-Sep-2006, which came into effect on 12-Sep-2006.
- 2 Licence varied by Change to schedule 1, issued on 07-May-2008, which came into effect on 07-May-2008.
- 3 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 4 Licence varied by notice 1550965 issued on 11-Mar-2019