



Our reference: EF13/8546:DOC13/67819:CP
Contact: Craig Patterson, (02) 4224 4100

REGISTERED POST
Caltex Refineries (NSW) Pty Ltd
(Attention: Dr Jos Kusters)
Locked Bag 2000
TAREN POINT NSW 2229

Dear Dr Kusters

NEW ENVIRONMENT PROTECTION LICENCE – LICENCE 20349
CALTEX KURNELL PORTS AND BERTHING UPGRADE PROJECT (SSD 5353)

I am writing in response to the licence application submitted by Caltex Refineries (NSW) Pty Ltd (Caltex) on 20 September 2013 for a water protection licence for the above project.

On 19 September 2013 the above project was approved (subject to conditions) by the Planning Assessment Commission as delegate of the Minister for the Department of Planning and Infrastructure.


A number of meetings were held between the Environment Protection Authority (EPA) and Caltex during July and August 2013 to discuss the draft licence conditions. An agreement on the draft licence was reached on 30 August 2013.

A final draft licence (Licence 20349) was forwarded to Caltex on 1 October 2013 for review and comment. Caltex provided written advice on the same day accepting the final draft. Please find attached a copy of the finalised and issued Licence. Caltex should download a copy of the licence from EPA's Public Register www.environment.nsw.gov.au/prpoeoapp. All relevant staff should be made aware of the requirements of this Licence.

A copy of the finalised and approved Environmental Management Plans and Monitoring Programs should also be provided to the EPA prior to the dredging activities commencing.

Should you have any further enquiries, please contact the above officer.

Yours sincerely


3/10/13
PETER BLOEM
Manager Illawarra
Environment Protection Authority

Att: Licence

Environment Protection Licence



Licence - 20349

Licence Details

Number: 20349
 Anniversary Date: 02-October

Licensee

CALTEX REFINERIES (NSW) PTY LTD
 LOCKED BAG 2000
 TAREN POINT NSW 2229

Premises

CALTEX KURNELL PORTS AND BERTHING UPGRADE
 PROJECT - DREDGING
 BOTANY BAY
 KURNELL NSW 2231

Scheduled Activity

N/A

Fee Based Activity

Miscellaneous licensed discharge to waters (at any time)

Scale

0-20 ML discharged

Region

Metropolitan - Illawarra
 Level 3, NSW Govt Offices, 84 Crown Street
 WOLLONGONG NSW 2500
 Phone: (02) 4224 4100
 Fax: (02) 4224 4110

 PO Box 513 WOLLONGONG EAST
 NSW 2520

Environment Protection Licence

Licence - 20349



INFORMATION ABOUT THIS LICENCE	4
Dictionary	4
Responsibilities of licensee	4
Duration of licence	4
Licence review	4
Fees and annual return to be sent to the EPA	4
Transfer of licence	5
Public register and access to monitoring data	5
1 ADMINISTRATIVE CONDITIONS	6
A1 What the licence authorises and regulates	6
A2 Premises or plant to which this licence applies	6
A3 Information supplied to the EPA	6
2 DISCHARGES TO AIR AND WATER AND APPLICATIONS TO LAND	7
P1 Location of monitoring/discharge points and areas	7
3 LIMIT CONDITIONS	8
L1 Pollution of waters	8
L2 Concentration limits	8
L3 Potentially offensive odour	10
4 OPERATING CONDITIONS	10
O1 Activities must be carried out in a competent manner	10
O2 Maintenance of plant and equipment	10
O3 Other operating conditions	10
5 MONITORING AND RECORDING CONDITIONS	11
M1 Monitoring records	11
M2 Requirement to monitor concentration of pollutants discharged	11
M3 Testing methods - concentration limits	13
M4 Recording of pollution complaints	13
M5 Telephone complaints line	13
6 REPORTING CONDITIONS	13
R1 Annual return documents	13
R2 Notification of environmental harm	14
R3 Written report	15
R4 Other reporting conditions	15
7 GENERAL CONDITIONS	16

Environment Protection Licence

Licence - 20349



G1 Copy of licence kept at the premises or plant	16
DICTIONARY	17
General Dictionary	17

Environment Protection Licence

Licence - 20349



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); and
- 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).

Environment Protection Licence

Licence - 20349



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:

CALTEX REFINERIES (NSW) PTY LTD

LOCKED BAG 2000

TAREN POINT NSW 2229

subject to the conditions which follow.

Environment Protection Licence

Licence - 20349



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
N/A	Miscellaneous licensed discharge to waters (at any time)	0 - 20 ML discharged

A2 Premises or plant to which this licence applies

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

Premises Details
CALTEX KURNELL PORTS AND BERTHING UPGRADE PROJECT - DREDGING BOTANY BAY KURNELL NSW 2231 THE PROJECT SITE IS SHOWN ON FIGURE 2 TITLED "LOCATION OF WATER QUALITY MONITORING POINTS" INCLUDED IN THE SEDIMENT AND WATER QUALITY MONITORING PROGRAM DATED SEPTEMBER 2013 AND INCLUDES THE EXISTING BERTHS (ONE SUB BERTH AND TWO FIXED BERTHS), A SHIP TURNING CIRCLE, THE ASSOCIATED SHIPPING APPROACHES AND THE KURNELL WHARF BREASTING ISLAND.

A3 Information supplied to the EPA

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

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

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

Environment Protection Licence

Licence - 20349



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 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.

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.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Background water quality monitoring		Reference Site – Monitoring buoy 1 on Figure 2 titled "Location of water quality monitoring points" included in the Sediment and Water Quality Monitoring Program dated September 2013
2	Discharge to waters Water quality monitoring	Discharge to waters Water quality monitoring	Aquaculture Site - Monitoring buoy 2 on Figure 2 titled "Location of water quality monitoring points" included in the Sediment and Water Quality Monitoring Program dated September 2013
3	Discharge to waters Water quality monitoring	Discharge to waters Water quality monitoring	Seagrass site (Posidonia) - Monitoring buoy 3 on Figure 2 titled "Location of water quality monitoring points" included in the Sediment and Water Quality Monitoring Program dated September 2013
4	Discharge to waters Water quality monitoring	Discharge to waters Water quality monitoring	Seagrass site (Posidonia/Halophila) - Monitoring buoy 4 on Figure 2 titled "Location of water quality monitoring points" included in the Sediment and Water Quality Monitoring Program dated September 2013
5	Discharge to waters Water quality monitoring	Discharge to waters Water quality monitoring	Project Site - Monitoring buoy 5 on Figure 2 titled "Location of water quality monitoring points" included in the Sediment and Water Quality Monitoring Program dated September 2013

Environment Protection Licence

Licence - 20349



6	Discharge to waters Water quality monitoring	Discharge to waters Water quality monitoring	Project Site - Monitoring buoy 6 on Figure 2 titled "Location of water quality monitoring points" included in the Sediment and Water Quality Monitoring Program dated September 2013
7	Discharge to waters Near field water quality monitoring	Discharge to waters Near field water quality monitoring	Mobile monitoring site located down current & within the flow path of the sediment plume under all tidal conditions & approx 10m from outside edge of dredge silt boom, dredge barge or overflow barge (which ever is relevant to the sediment plume flow path)
8	Discharge to waters Water quality monitoring	Discharge to waters Water quality monitoring	Mobile monitoring site located down current & within the flow path of the sediment plume under all tidal conditions & approx 50m from outside edge of dredge silt boom, dredge barge or overflow barge (which ever is relevant to the sediment plume flow path)

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 tables 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 tables.

L2.4 Water and/or Land Concentration Limits

Environment Protection Licence

Licence - 20349



POINT 2,3,4

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Total suspended solids	milligrams per litre				See Note 1

POINT 5,6

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Total suspended solids	milligrams per litre				See Note 2

POINT 8

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Tributyltin	micrograms per litre				0.006

Note: **Note 1** means "Background level at Point 1 plus 10 milligrams per litre"

Note 2 means "Background level at Point 1 plus 50 milligrams per litre"

L2.5 For the purposes of determining compliance with the limits specified above for Total Suspended Solids (TSS) at Points 2, 3, 4, 5 and 6, a non-compliance with will occur if:

- 1) any three consecutive 15 minute readings at Point 2, 3 or 4 are greater than 10 mg/L TSS above the same three consecutive 15 minute readings at the background reference point (Point 1)
- 2) any three consecutive 15 minute readings at Point 5 or 6 are greater than 50 mg/L above the same three consecutive 15 minute readings at the background reference point (Point 1)

Note: The above limits do not apply when the TSS limits set by this licence are exceeded due to rainfall run-off or re-suspension of bottom sediments caused by shipping movements. Rainfall must be measured and recorded in millimetres per 24 hour period, at the same time each day during the dredging activities.

Note: The location/s for mobile TBT sampling for Point 7 and 8 will need to consider tidal current directions, vessel location, dredging activities and plume direction.

L2.6 If the licensee uses Turbidity (NTU) in place of Total Suspended Solids (TSS), the licensee must develop a statistical correlation between NTU and TSS for water quality in order to determine the NTU equivalent of 10 and 50 milligrams per litre TSS. The licensee must develop and implement a method approved by the EPA to enable the ongoing verification of the relationship between NTU and TSS.

Environment Protection Licence

Licence - 20349



L3 Potentially offensive odour

L3.1 The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.

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.

L3.2 No condition of this licence identifies a potentially offensive odour for the purposes of Section 129 of the Protection of the Environment Operations Act 1997.

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 Other operating conditions

Water Pollution Control

O3.1 Silt booms must be installed, operated and maintained around the backhoe dredger for the duration of the works to minimise the pollution of waters. Care must be taken with the installation and maintenance of silt booms to ensure that there are no gaps at the ends, or in the fabric, or in the floating boom.

O3.2 Overflow dredging must not occur within the fixed berths and in front of the submarine berth due to the presence of highly elevated concentrations of TBT.

Note: EPA may also restrict the use of overflow dredging in other areas of the project site pending the results of the monitoring required to be collected by this licence.

Environment Protection Licence

Licence - 20349



O3.3 Vessels used for the transport of dredge spoil from the dredge site to the emplacement area must not leak or release dredge spoil into waters en-route. Barge doors must be fully closed before the barge leaves the emplacement area.

Water Quality

O3.4 In the event that TSS levels exceed the limits specified in Condition L2.4 the licensee must immediately implement the corrective actions specified in Table 9-1 of the Sediment and Water Quality Management Plan prepared by WorleyParsons and dated September 2013.

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.

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 Water and/ or Land Monitoring Requirements

POINT 1,2,3,4

Pollutant	Units of measure	Frequency	Sampling Method
Dissolved Oxygen	milligrams per litre	Continuous	Special Method 1
pH	pH	Continuous	Special Method 1

Environment Protection Licence

Licence - 20349



Total suspended solids	milligrams per litre	Continuous	Special Method 1
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POINT 5,6

Pollutant	Units of measure	Frequency	Sampling Method
Dissolved Oxygen	milligrams per litre	Continuous	Special Method 1
pH	pH	Continuous	Special Method 1
Total suspended solids	milligrams per litre	Continuous	Special Method 1
Tributyltin	micrograms per litre	Special Frequency 1	Grab sample

POINT 7,8

Pollutant	Units of measure	Frequency	Sampling Method
Total suspended solids	milligrams per litre	Special Frequency 2	Grab sample
Tributyltin	micrograms per litre	Special Frequency 2	Grab sample

Note: **Special Method 1** means the use of a stationary water quality monitoring buoy 0.2 metres below the water line that will monitor, record and transmit water quality data at approximately 15 minute intervals.

Note: **Special Frequency 1** means a grab sample must be collected at either Monitoring Point 5 or 6 (whichever is upstream of the dredging activity) on the same day sampling at Monitoring Points 7 and 8 is conducted for the purposes of determining background concentrations of Tributyltin.

Special Frequency 2 means unless otherwise agreed in writing by the EPA, a grab sample must be collected at the following frequencies during dredging operations and for the duration of dredging activities:

- a) three samples in the first week and weekly thereafter at the commencement of dredging during:
 - i/ dredging activities and during overflows from the dredging barge in the Sub Berth (Area 2)
 - ii/ dredging activities in Berth 1 (Area 3)
- b) weekly samples at the commencement of dredging in all other dredging areas

Note: 1) The grab sample must be collected at mid depth in the water column where the depth is less than 4 metres or approximately 4 metres from the water's surface (if the depth is significantly greater than 4 metres).

2) The frequency of TBT monitoring for Points 7 and 8 may be reviewed in discussion with the EPA pending the results of the first month of TBT results.

3) Information including the dredging activities, dredger location and sampling location in relation to the dredger should be recorded for each sample.

Environment Protection Licence

Licence - 20349



M3 Testing methods - concentration limits

M3.1 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 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.

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 1 week after:

- a) the date of the issue of this licence or
- b) if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.

6 Reporting Conditions

R1 Annual return documents

Environment Protection Licence

Licence - 20349



- R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:
- a) a Statement of Compliance; and
 - b) a Monitoring and Complaints Summary.

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.

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

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

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

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

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

- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
- b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

- R1.5 The Annual Return for the reporting period must be supplied to the EPA 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 Statement 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.

- R1.8 A person who has been given written approval to certify a certificate of compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review of this licence.

R2 Notification of environmental harm

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

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

Environment Protection Licence

Licence - 20349



accordance with the requirements of Part 5.7 of the Act.

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.

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
 - 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.

R4 Other reporting conditions

Water Quality Reporting

- R4.1 When notifying the EPA of water quality monitoring results which exceed the licence limits, the licensee must provide the following information in a written report within seven (7) days following an exceedance:
- a) details and locations of dredging activities being undertaken during the monitoring period
 - b) location of the sample(s) at which the exceedance was detected
 - c) a description of the likely cause of the exceedance
 - d) graphical representation of all monitoring results
 - e) comparison of the monitoring results against the baseline water quality reference site
 - f) rainfall data for the preceding 24 hour period prior to the incident

Environment Protection Licence

Licence - 20349



- g) a description of any shipping movements near the dredging activities
- h) a description of any remedial action taken including justification where no action is taken.
- i) any other relevant information

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.

Environment Protection Licence



Licence - 20349

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

Environment Protection Licence



Licence - 20349

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> .

Environment Protection Licence



Licence - 20349

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 William Dove

Environment Protection Authority

(By Delegation)

Date of this edition: 02-October-2013

End Notes
