

Environment Protection Licence

Licence - 6108

Licence Details	
Number:	6108
Anniversary Date:	15-August

Licensee
TWEED SHIRE COUNCIL
PO BOX 816
MURWILLUMBAH NSW 2484

Premises
STOTTS CREEK RESOURCE RECOVERY CENTRE
298 BARTLETTS ROAD
STOTTS CREEK NSW 2487

Scheduled Activity
Resource recovery

Fee Based Activity	Scale
Recovery of general waste	Any general waste recovered

Region
Waste & Resource Recovery
59-61 Goulburn Street
SYDNEY NSW 2000
Phone: (02) 9995 5000
Fax: (02) 9995 5999
PO Box A290
SYDNEY SOUTH NSW 1232

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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:

TWEED SHIRE COUNCIL
PO BOX 816
MURWILLUMBAH NSW 2484

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
Resource recovery	Recovery of general waste	Any general waste recovered

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
STOTTS CREEK RESOURCE RECOVERY CENTRE
298 BARTLETTS ROAD
STOTTS CREEK
NSW 2487
LOT 5 DP 221825, PART LOT 1 DP 590220
THE LICENCE APPLIES TO ALL OF LOT 5 DP 221825 AND THE NORTH WESTERN SECTION OF LOT 1 DP 590220, WHERE THE LEACHATE DAM AND WETLAND ARE LOCATED.

A3 Other activities

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

Ancillary Activity
Waste Storage

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:

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- 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.

A4.2 The LEMP for Stotts Creek Landfill , Tweed Shire Council, October 1999 is not to be taken as part of the documentation in A3.1, other than those parts specifically referenced in this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

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

Air

EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
23	Landfill Gas Generation Monitoring		All enclosed buildings at the premises and any buildings within 250m of waste filled areas.
24	Landfill Gas Generation Monitoring		Surface of all waste filled areas which have been capped.
25	Landfill Gas Generation Monitoring		All groundwater monitoring bores [refer Points 8-22].

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
3	Surface Water Quality Monitoring		LEMP Figure 7, refer S4
5	Surface Water Quality Monitoring	Surface Water Quality Monitoring	wetland (as shown in Council's fax to EPA dated 3/02/2003)
6	Leachate Quality Monitoring	Leachate Quality Monitoring	LEMP Figure 7, refer LD1.

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7	Leachate Quality Monitoring	LEMP Figure 7, refer LD2.
8	Groundwater Quality Monitoring	LEMP Figure 7, refer GMB1
9	Groundwater Quality Monitoring	LEMP Figure 7, refer GMB2
10	Groundwater Quality Monitoring	LEMP Figure 7, refer GMB3.
11	Groundwater Quality Monitoring	LEMP Figure 7, refer GMB 4
12	Groundwater Quality Monitoring	LEMP Figure 7, refer GMB 5
14	Groundwater Level and Quality Monitoring	LEMP Figure 7, refer GMB 7.
15	Groundwater Level and Quality Monitoring	LEMP Figure 7, refer GMB 8.
18	Groundwater Quality Monitoring	LEMP Figure 7, refer GMB 10A
19	Groundwater Quality Monitoring	LEMP Figure 7, refer GMB 11.
20	Groundwater Quality Monitoring	LEMP Figure 7, refer GMB 12.
21	Groundwater Quality Monitoring	LEMP Figure 7, refer GMB 13.
26	Groundwater Quality Monitoring	Refer GMB 6 as shown on Council's fax dated 5 February 2003.
27	Leachate Discharge Point	Refer to Council's facsimile to DEC dated 26 February 2004, Drawing 007 - Leachate Pond: Location and Typical Details (June 2003)
29	Groundwater Quality Monitoring	Refer GMB29 as shown on Drawing 1 attached to TSC correspondence to DEC dated 13 December 2005.
30	Groundwater quality monitoring	Refer to GMB20 as shown on Drawing 1 attached to TSC correspondence dated 13 December 2005.
31	Groundwater quality monitoring	Refer GMB21 as shown on Drawing 1 attached to TSC correspondence dated 13 December 2005.
32	Groundwater level and quality monitoring	Refer to location map titled 'Plan of all groundwater quality monitoring locations within Stotts Creek Site' attached to TSC electronic mail correspondence to DECC dated 27 March 2009 - GMB 9A

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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.
- L1.2 The level of liquid and other material in each sedimentation basin must not exceed the level indicated by the sedimentation basin marker, except:
- when the basin is receiving stormwater caused by rainfall on the premises; or
 - within five days of the cessation of any rain.

L2 Concentration limits

- L2.1 For each monitoring/discharge point or utilisation area specified in the table below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.
- L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.
- L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table.
- L2.4 Water and/or Land Concentration Limits

POINT 5

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

- L2.5 Exceedances of the concentration limits for TSS and pH in condition L3.3 are permitted at the following points for the duration of the overflow:
Point 5, whenever a wet weather overflow is occurring due to stormwater events greater than or equal to 83mm in total falling over any consecutive 5 day period.
- L2.6 Leachate is only permitted to overflow from the leachate management system as a direct result of a rainfall event of equal to or greater than 348mm in total falling over any consecutive 5 day period and only

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from the following points: Point 6 and Point 27.

L3 Waste

L3.1 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	Liquid Waste	As defined in Schedule 1 of the Protection of the Environment Operations Act 1997 from time to time.	Waste storage	
NA	Restricted solid waste	As defined in Schedule 1 of the Protection of the Environment Operations Act 1997 from time to time.	Waste storage	
NA	Hazardous Wastes	As defined in Schedule 1 of the Protection of the Environment Operations Act 1997 from time to time.	Waste storage	
NA	General solid waste (non-putrescible)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste processing (non-thermal treatment)	NA
NA	General solid waste (putrescible)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste processing (non-thermal treatment)	NA

L3.2 Notwithstanding any limit specified in the above table, the licensee shall not exceed the authorised amount specified in this licence. Where the authorised amount is less than the total of all wastes listed above, the authorised amount takes precedence.

L3.3 The authorised amount of waste permitted on the premises cannot exceed 25,000 tonnes at any one time.

L3.4 The quantity of any waste received at the premises which is to be stored in the Community Recycling Centre (CRC) does not contribute towards the total waste allowed under the authorised amount shown on this licence.

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L4 Noise limits

L4.1 Noise from the premises must not exceed:

- a) an LAeq(15min) noise emission criterion of 50 dB(A) (7am to 6pm) Monday to Friday and 8am to 5pm Saturday; and
- b) an LAeq(15min) noise emission criterion of 45 dB(A) during the evening (6pm to 10pm) Monday to Friday; and
- c) at all other times an LAeq(15min) noise emission criterion of 40 dB(A),

except as expressly provided by this licence.

L4.2 Noise from the premises is to be measured at the most affected point on or within the nearest affected residential property boundary or if this is more than 30m from the residence at the most affected point within 30m of the residence, to determine compliance with this condition.

L5 Hours of operation

L5.1 All work at the premises must be conducted between the following hours:

7am to 5pm Mondays to Fridays, and 8am to 4pm Saturdays, Sundays and Public Holidays.

The hours of operation permitted by this licence may be varied where there is no significant impact on the ambient levels outside the premises or at any noise sensitive location. The licensee must provide evidence that no significant impact occurs prior to a variation being granted for the hours of operation.

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.

O2.2 The leachate pond, detention basins, wetland and sediment control devices must be maintained to ensure that their design capacity is available for the storage / treatment of stormwater and leachate.

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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.

O4 Emergency response

- O4.1 The licensee must undertake all practical initiatives to minimise the risk of fire at the premises.
- O4.2 The licensee must extinguish fires at the premises as soon as possible.

O5 Processes and management

- O5.1 Whenever the level of liquid and other material in any sedimentation basin exceeds the level indicated by the sedimentation basin marker, the licensee must take all practical measures as soon as possible to reduce the level of liquid and other material in the sedimentation basin.
- O5.2 The drainage from all areas at the premises which will liberate suspended solids when stormwater runs over these areas must be diverted into the sedimentation basins and wetland as shown in the LEMP Attachment C refer Drawings 2A and 3A.
- O5.3 The licensee must take all practicable steps to control entry to the premises.
- O5.4 The licensee must maintain lockable security gates at all access and departure locations.
- O5.5 The licensee must ensure that all gates are locked whenever the premises is unattended.
- O5.6 The licensee must undertake all practical actions to prevent the degradation of the local amenity by litter.
- O5.7 The licensee must ensure that adequately trained staff are available at the premises in order to administer the requirements of this licence.

O6 Waste management

Note: Additional conditions relating to the leachate collection system are contained in Condition U3.

- O6.1 The licensee must take all practicable measures to minimise the amount of leachate in the leachate management system to enable compliance with condition L2.6.
- O6.2 Leachate impounded in the leachate storage ponds and leachate collected by the subsurface leachate collection system may be irrigated on the landfills northern waste mound and / or on the eastern batter adjacent to the main leachate drain[refer LEMP, Attachment C Section 6.3 & Drawing 2A].
- O6.3 The volume of leachate directed to the utilisation area must not exceed the capacity of the area to

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assimilate the leachate.

- O6.4 If Council intends to construct leachate injection wells or trenches, designs for the wells or trenches must be submitted to the EPA for approval prior to construction.
- O6.5 There must be no incineration or burning of any waste at the premises.
- O6.6 The licensee must undertake all practical initiatives to identify and prevent the disposal of any waste not permitted by this licence to be disposed of at the premises.
- O6.7 The leachate extraction system from the leachate sump of Leachate Monitoring Bore (LMB) 14 must be operational whenever there is free liquid in the sump. A flow meter must be used to monitor the volume of liquid extracted from the sump.
- O6.8 If the licensee wishes to vary the operating conditions of the leachate extraction sump, a report which addresses the following requirements must be provided to the EPA's Waste Operations Office at Coffs Harbour :-
- a) A summary and analysis of rainfall data, leachate extraction volumes and water levels;
 - b) An analysis of the trends in the volume of leachate being extracted, water level response in adjacent wells and the extent of leachate contamination;
 - c) Recommendations for the ongoing operation of the system; &
 - d) The report must cover the period from January 2002 onwards.

O7 Other operating conditions

- O7.1 The sedimentation basin must have a marker (the "sedimentation basin marker") that identifies the upper level of the sediment storage zone.

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 23

Pollutant	Units of measure	Frequency	Sampling Method
Methane	percent by volume	Quarterly	In situ

POINT 24

Pollutant	Units of measure	Frequency	Sampling Method
Methane	percent by volume	Quarterly	In situ

POINT 25

Pollutant	Units of measure	Frequency	Sampling Method
Methane	percent by volume	Quarterly	In situ

M2.3 Water and/ or Land Monitoring Requirements

POINT 3,5,6,7

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per litre	Quarterly	Grab sample
Biochemical oxygen demand	milligrams per litre	Quarterly	Grab sample
Conductivity	microsiemens per centimetre	Quarterly	In situ
Copper	milligrams per litre	Quarterly	Grab sample
Dissolved Oxygen	milligrams per litre	Quarterly	In situ
Manganese	milligrams per litre	Quarterly	Grab sample
Nitrate	milligrams per litre	Quarterly	Grab sample
Nitrite	milligrams per litre	Quarterly	Grab sample
Nitrogen (total)	milligrams per litre	Quarterly	Grab sample

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pH	pH	Special Frequency 1	In situ
Redox potential	As approp.	Quarterly	In situ
Total Kjeldahl Nitrogen	milligrams per litre	Quarterly	Grab sample
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample

POINT 8,10,12,19,20

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per litre	Quarterly	Representative sample
Biochemical oxygen demand	milligrams per litre	Quarterly	Representative sample
Conductivity	microsiemens per centimetre	Quarterly	In situ
Copper	milligrams per litre	Quarterly	Representative sample
Dissolved Oxygen	milligrams per litre	Quarterly	In situ
Manganese	milligrams per litre	Quarterly	Representative sample
Nitrate	milligrams per litre	Quarterly	Representative sample
Nitrite	milligrams per litre	Quarterly	Representative sample
Nitrogen (total)	milligrams per litre	Quarterly	Representative sample
pH	pH	Quarterly	In situ
Redox potential	As approp.	Quarterly	In situ
Total Kjeldahl Nitrogen	milligrams per litre	Quarterly	Representative sample

POINT 9,11,18,21

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per litre	Yearly	Representative sample
Biochemical oxygen demand	milligrams per litre	Yearly	Representative sample
Conductivity	microsiemens per centimetre	Yearly	In situ
Copper	milligrams per litre	Yearly	Representative sample
Dissolved Oxygen	milligrams per litre	Yearly	In situ
Manganese	milligrams per litre	Yearly	Representative sample
Nitrate	milligrams per litre	Yearly	Representative sample
Nitrite	milligrams per litre	Yearly	Representative sample
Nitrogen (total)	milligrams per litre	Yearly	Representative sample
pH	pH	Yearly	In situ
Redox potential	As approp.	Yearly	In situ
Total Kjeldahl Nitrogen	milligrams per litre	Yearly	Representative sample

POINT 26,29,30,31

Pollutant	Units of measure	Frequency	Sampling Method
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Ammonia	milligrams per litre	Quarterly	Representative sample
Biochemical oxygen demand	milligrams per litre	Quarterly	Representative sample
Conductivity	microsiemens per centimetre	Quarterly	In situ
Copper	milligrams per litre	Quarterly	Representative sample
Dissolved Oxygen	milligrams per litre	Quarterly	In situ
Manganese	milligrams per litre	Quarterly	Representative sample
Nitrate	milligrams per litre	Quarterly	Representative sample
Nitrite	milligrams per litre	Quarterly	Representative sample
Nitrogen (total)	milligrams per litre	Quarterly	Representative sample
pH	pH	Quarterly	In situ
Redox potential	As approp.	Quarterly	In situ
Total Kjeldahl Nitrogen	milligrams per litre	Quarterly	Representative sample

POINT 32

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per litre	Quarterly	Representative sample
Biochemical oxygen demand	milligrams per litre	Quarterly	Representative sample
Conductivity	microsiemens per centimetre	Quarterly	In situ
Copper	milligrams per litre	Quarterly	Representative sample
Dissolved Oxygen	milligrams per litre	Quarterly	In situ
Manganese	milligrams per litre	Quarterly	Representative sample
Nitrate	milligrams per litre	Quarterly	Representative sample
Nitrite	milligrams per litre	Quarterly	Representative sample
Nitrogen (total)	milligrams per litre	Quarterly	Representative sample
pH	milligrams per litre	Quarterly	In situ
Redox potential	As approp.	Quarterly	In situ
TKN-N	milligrams per litre	Quarterly	Representative sample

M2.4 For the purposes of the above Tables 'Special Frequency 1' in relation to Point 5, means the collection of samples:

- quarterly, immediately adjacent to the outlet of the wetland as shown in Council's faxes dated 3 & 4/02/2003; and,
- daily, from the wetland sump [the point at which overflow from the wetland enters the sump (and then outlet pipe to existing channel)] as shown in Council's fax to the DEC dated 22/02/2006, whenever water is discharging from the wetland from a rainfall event of up to 83mm in total falling at the premises over any consecutive 5 day period.

M2.5 The licensee must, continue to monitor in accordance with Condition M2, until a report which complies with the following conditions is received and approved by the EPA :

- assess all leachate monitoring results,

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- b) propose and justify a list of parameters, sampling frequencies and a concentration limit for each parameter to be used in the future, designed to ensure the environmental sustainability of the method(s) employed to reuse or dispose of the leachate,
- c) submit a report to the EPA incorporating all monitoring results from (a) in graphical and tabular form and seeking approval for the monitoring program and limits proposed under (b).

M2.6 The licensee must submit to the EPA an annual groundwater contamination detection monitoring program report by 14 October each year, commencing in 2006. The annual report must as a minimum incorporate the following:

- a) The results of all groundwater monitoring undertaken over the previous 12 months and an assessment of the results against the trigger levels stated in licence condition R4.2;
- b) A tabular and graphical representation of contamination levels for the annual reporting period compared to previous reporting periods and an assessment of any changes and trends over time;
- c) An assessment of the nature and level of (and changes to) any human health and environmental risk, with respect to off-site groundwater and the uses of those waters;
- d) Any further mitigation measures proposed to be implemented for the subsequent 12 months period to further reduce contamination levels and risks to human health and the environment.

M2.7 The licensee must submit to the EPA an annual surface water contamination detection monitoring program report by 14 October each year, commencing in 2006. The annual report must as a minimum incorporate the following:

- a) The results of all surface water monitoring undertaken over the previous 12 months and an assessment of the results against the trigger levels stated in licence condition R4.2;
- b) A tabular and graphical representation of contamination levels for the annual reporting period compared to previous reporting periods and an assessment of any changes and trends over time;
- c) An assessment of the nature and level of (and changes to) any human health and environmental risk, with respect to off-site surface water and the uses of those waters;
- d) Any further mitigation measures proposed to be implemented for the subsequent 12 months period to further reduce contamination levels and risks to human health and the environment.

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

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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 Weather monitoring

M4.1 The licensee must monitor and record rainfall at the premises twice daily, morning and evening.

M5 Recording of pollution complaints

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

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

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

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

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

M6 Telephone complaints line

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

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

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

M7 Requirement to record bypass incidents from sewage treatment plants

M7.1 For the purpose of complying with condition R5 the licensee must monitor overflow events from the

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following discharge points - Point 6 and Point 27.

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.

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.

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R1.8 All Annual Returns submitted must be accompanied by a letter, describing how many of the samples collected and analysed for each monitoring point were completed in order to comply with:

- a) yearly monitoring;
- b) quarterly monitoring; and
- c) licence condition R8.1.

The dates on which sampling occurred to satisfy (a) through to (c) above must also be stipulated.

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.

R2.3 Whenever leachate is discharged to surface waters from the premises, the licensee must notify the event to the EPA, providing written details of any leachate discharge(s) within 7 days of the date on which the incident occurred. The report must include the following information:

- a) the volume of the leachate discharged and over what time period the discharge occurred;
- b) the date and time of the commencement of the overflow;
- c) the weather conditions at the time of the discharge, specifying the amount of rainfall on a daily basis that had fallen:
 - i) on the day(s) of the discharge; and
 - ii) for the one week period prior to the discharge.
- d) the most recent monitoring results of the chemical composition of the leachate;
- e) an explanation as to why the discharge occurred;
- f) the location(s) of the discharge;
- g) a plan of action to prevent a similar discharge in the future; and
- h) was the discharge permitted by this licence.

R2.4 The licensee must notify the EPA within 24 hours in accordance with condition R2.1 if subsurface monitoring detects methane above 1.25% (v/v), and increase the frequency of monitoring to daily, until the EPA determines otherwise.

R2.5

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.

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R3 Written report

- R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
- where this licence applies to premises, an event has occurred at the premises; or
 - 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:
- the cause, time and duration of the event;
 - the type, volume and concentration of every pollutant discharged as a result of the event;
 - the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
 - the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
 - action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
 - details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
 - any other relevant matters.
- R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

R4 Other reporting conditions

- R4.1 The licensee or its employees or agents must notify the EPA in accordance with conditions R2.1 and R2.2 of all fires at the premises as soon as practical after becoming aware of the incident.
- R4.2 Surface Water -
Whenever 2 or more of the indicator analytes in the below Table in one sampling round required by Condition M2.1 exceeds the surface water trigger levels specified in this Table, a re-sampling event for the surface water sampling point in question is to be conducted within 14 days of the results being received. If the second set of results also exceed two trigger levels another re-sampling event is to be conducted within 14 days of receiving the results from the second round of sampling. If two trigger levels are in exceedence for all three consecutive monitoring rounds, Council must submit a report to the EPA within 14 days of receiving the results from the third round of sampling, proposing a future monitoring program to assess the extent of surface water contamination emanating from the premises and identify any necessary remediation strategies.

Groundwater -

Whenever 2 or more of the indicator analytes in the below Table in one sampling round required by

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Condition M2.1 exceeds the ground water trigger levels specified in this Table, a re-sampling event for the groundwater sampling point in question is to be conducted within 30 days of the results being received. If the second set of results also exceed two trigger levels another re-sampling event is to be conducted within 30 days of receiving the results from the second round of sampling. If two trigger levels are in exceedence for all three consecutive monitoring rounds, Council must submit a report to the EPA within 14 days of receiving the results from the third round of sampling, proposing a future monitoring program to assess the extent of groundwater contamination emanating from the premises and identify any necessary remediation strategies.

NB.

1. Trigger levels and re-sampling provisions do not apply for Leachate Quality Monitoring Points 6 and 7.
2. Re- sampling provisions (due to trigger level exceedences of indicator analytes) do not apply for Monitoring Points 8, 26 and 29 until current investigations into leachate contamination issues have been resolved.

(*NA = Not Applicable)

Pollutant	Units of Measure	Trigger Level Groundwater	Trigger Level Surface Water
pH	pH	4.5-9.0	6.0-9.0
Conductivity	US/cm	2000	1500
Redox. Potential	Eh	-	-
Dissolved Oxygen	mg/L	-	-
Copper	mg/L	0.05	0.05
Manganese	mg/L	2.0	2.0
Nitrate	mg/L	NA*	NA*
Nitrite	mg/L	NA*	NA*
Ammonia	mg/L	NA*	NA*
Total Nitrogen	mg/L	5.0	5.0
TKN	mg/L	NA*	NA*
Biological Oxygen Demand	mg/L	20	20

- R4.3 The licensee must review the monitoring results collected in accordance with Condition M2, against the trigger levels specified in Table A and notify the EPA in writing within 14 days of any exceedance of the trigger levels being detected.

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.

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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.

8 Special Conditions

E1 Re-augmentation of closed cell capping system

E1.1 The capping system on the closed cell within this licenced boundary may be re-augmented as per "Figure 1: Cross section profile of final capping" as submitted in the application for a deduction for using waste for operational purposes EPL 6108, submitted by Tweed Shire Council to the EPA and dated 10 March 2017.

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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 Graeme Budd

Environment Protection Authority

(By Delegation)

Date of this edition: 13-June-2001

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End Notes

- 1 Licence varied by notice 1011737, issued on 26-Sep-2001, which came into effect on 21-Oct-2001.
- 2 Licence varied by notice 1013570, issued on 20-Dec-2001, which came into effect on 14-Jan-2002.
- 3 Licence varied by notice 1018048, issued on 07-Jun-2002, which came into effect on 02-Jul-2002.
- 4 Licence varied by notice 1022338, issued on 10-Feb-2003, which came into effect on 07-Mar-2003.
- 5 Licence varied by notice 1031545, issued on 09-Oct-2003, which came into effect on 03-Nov-2003.
- 6 Licence varied by notice 1035400, issued on 17-Mar-2004, which came into effect on 11-Apr-2004.
- 7 Licence varied by notice 1041949, issued on 01-Nov-2004, which came into effect on 26-Nov-2004.
- 8 Licence varied by notice 1043114, issued on 14-Dec-2004, which came into effect on 08-Jan-2005.
- 9 Licence varied by notice 1045883, issued on 23-Mar-2005, which came into effect on 17-Apr-2005.
- 10 Licence varied by notice 1046596, issued on 19-Apr-2005, which came into effect on 12-May-2005.
- 11 Licence varied by notice 1047627, issued on 13-May-2005, which came into effect on 07-Jun-2005.
- 12 Licence varied by notice 1048829, issued on 21-Jun-2005, which came into effect on 16-Jul-2005.
- 13 Licence varied by notice 1051487, issued on 02-Sep-2005, which came into effect on 27-Sep-2005.
- 14 Licence varied by notice 1053513, issued on 09-Nov-2005, which came into effect on 04-Dec-2005.
- 15 Licence varied by notice 1054824, issued on 29-Dec-2005, which came into effect on 23-Jan-2006.
- 16 Licence varied by notice 1056362, issued on 23-Mar-2006, which came into effect on 17-Apr-2006.
- 17 Licence varied by notice 1064901, issued on 08-Sep-2006, which came into effect on 08-Sep-2006.

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- | | |
|----|---|
| 18 | Licence varied by notice 1066370, issued on 26-Oct-2006, which came into effect on 26-Oct-2006. |
| 19 | Licence varied by notice 1069690, issued on 09-Feb-2007, which came into effect on <date to be advised>. |
| 20 | Licence varied by notice 1069690, issued on 09-Feb-2007, which came into effect on 09-Feb-2007. |
| 21 | Licence varied by notice 1070047, issued on 23-Feb-2007, which came into effect on 23-Feb-2007. |
| 22 | Licence varied by notice 1074000, issued on 07-Jun-2007, which came into effect on 07-Jun-2007. |
| 23 | Licence varied by notice 1078177, issued on 14-Sep-2007, which came into effect on 14-Sep-2007. |
| 24 | Licence varied by notice 1082803, issued on 12-Feb-2008, which came into effect on 12-Feb-2008. |
| 25 | Licence varied by notice 1087942, issued on 04-Jun-2008, which came into effect on 04-Jun-2008. |
| 26 | Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date> |
| 27 | Licence varied by notice 1094047, issued on 17-Nov-2008, which came into effect on 17-Nov-2008. |
| 28 | Licence varied by notice 1100124, issued on 24-Apr-2009, which came into effect on 24-Apr-2009. |
| 29 | Licence varied by notice 1102863, issued on 25-Jun-2009, which came into effect on 25-Jun-2009. |
| 30 | Licence varied by notice 1103750, issued on 03-Jul-2009, which came into effect on 03-Jul-2009. |
| 31 | Licence varied by correction to DECCW Region data record, issued on 01-Nov-2010, which came into effect on 01-Nov-2010. |
| 32 | Licence varied by notice 1510768 issued on 18-Mar-2014 |
| 33 | Licence varied by notice 1524484 issued on 31-May-2016 |
| 34 | Licence varied by notice 1550241 issued on 16-Nov-2017 |