

# Environment Protection Licence

Licence - 20814

## Licence Details

Number:	20814
Anniversary Date:	08-November

## Licensee

SRC OPERATIONS PTY LIMITED

PO BOX 7

ENFIELD NSW 2136

## Premises

PATONS LANE LANDFILL

123 - 129 PATONS LANE

ORCHARD HILLS NSW 2748

## Scheduled Activity

Extractive activities

Waste disposal (application to land)

## Fee Based Activity

## Scale

Land-based extractive activity	> 100000-500000 T annual capacity to extract, process or store
Waste disposal by application to land	Any capacity

## Region

Waste &amp; Resource Recovery

59-61 Goulburn Street

SYDNEY NSW 2000

Phone: (02) 9995 5000

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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:

<b>SRC OPERATIONS PTY LIMITED</b>
<b>PO BOX 7</b>
<b>ENFIELD NSW 2136</b>

subject to the conditions which follow.

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## 1 Administrative Conditions

### A1 What the licence authorises and regulates

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

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

Scheduled Activity	Fee Based Activity	Scale
Extractive activities	Land-based extractive activity	> 100000 - 500000 T annual capacity to extract, process or store
Waste disposal (application to land)	Waste disposal by application to land	Any capacity

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

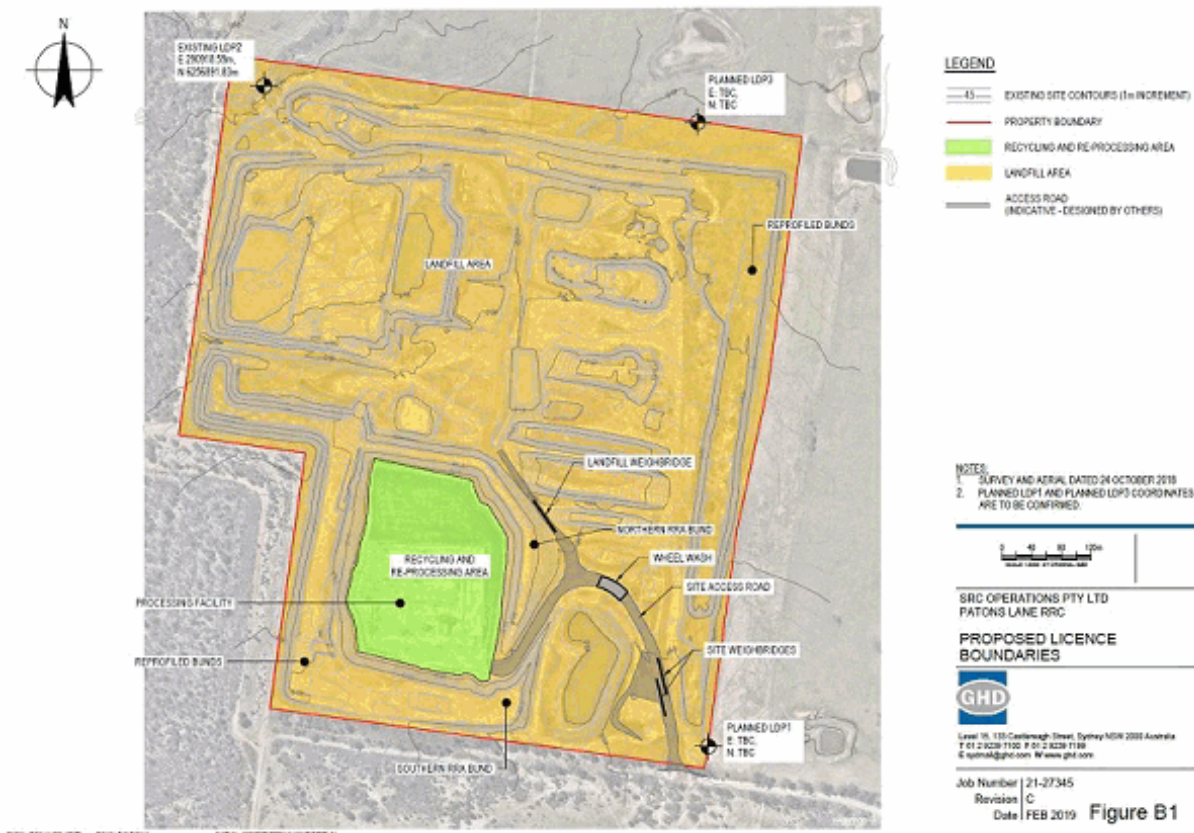
A2.1 The licence applies to the following premises:

Premises Details
PATONS LANE LANDFILL
123 - 129 PATONS LANE
ORCHARD HILLS
NSW 2748
PART LOT 40 DP 738126
PART OF LOT 40 DP 738126 AS SHOWN ON THE PLAN TITLED, "PROPOSED LICENCE BOUNDARIES" DATED FEBRUARY 2019 AND PREPARED BY GHD

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

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### A3 Information supplied to the EPA

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

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

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

### A4 Other administrative conditions

A4.1 The Licensee must comply with the planning approval, conditions and associated management plans for the Premises, as set out in the "Conditions of Consent - MP09\_0074 - Orchard Hills Waste and Resource Management Facility" and all subsequent modifications.

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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 are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

#### *Water and land*

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Wet weather discharge & water quality monitoring	Wet weather discharge & water quality monitoring	Surface water monitoring & discharge point labelled as "Dam 6 discharge point" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
2	Wet weather discharge & water quality monitoring	Wet weather discharge & water quality monitoring	Surface water monitoring & discharge point labelled as "Weir monitoring point" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
3	Wet weather discharge & water quality monitoring	Wet weather discharge & water quality monitoring	Surface water monitoring & discharge point labelled as "Dam 3 discharge point" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
4	Groundwater quality & subsurface gas monitoring - BH3		Groundwater & gas monitoring point labelled as "BH3" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
5	Groundwater quality & subsurface gas monitoring - BH5		Groundwater & gas monitoring point labelled as "BH5" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
6	Groundwater quality & subsurface gas monitoring - BH6		Groundwater & gas monitoring point labelled as "BH6" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
7	Groundwater quality & subsurface gas monitoring - BH9A		Groundwater & gas monitoring point labelled as "BH9A" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
8	Groundwater quality & subsurface gas monitoring - BH9B		Groundwater & gas monitoring point labelled as "BH9B" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.



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9	Groundwater quality & subsurface gas monitoring - BH10A	Groundwater & gas monitoring point labelled as "BH10A" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
10	Groundwater quality & subsurface gas monitoring - BH10B	Groundwater & gas monitoring point labelled as "BH10B" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
11	Groundwater quality & subsurface gas monitoring - BH11A	Groundwater & gas monitoring point labelled as "BH11A" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
12	Groundwater quality & subsurface gas monitoring - BH11B	Groundwater & gas monitoring point labelled as "BH11B" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
13	Groundwater quality & subsurface gas monitoring - BH12A	Groundwater & gas monitoring point labelled as "BH12A" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
14	Groundwater quality & subsurface gas monitoring - BH12B	Groundwater & gas monitoring point labelled as "BH12B" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
15	Groundwater quality & subsurface gas monitoring - BH13A	Groundwater & gas monitoring point labelled as "BH13A" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
16	Groundwater quality & subsurface gas monitoring - BH13B	Groundwater monitoring point labelled as "BH13B" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
17	Groundwater quality & subsurface gas monitoring - BH14A	Groundwater monitoring point labelled as "BH14A" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
18	Groundwater quality & subsurface gas monitoring - BH14B	Groundwater monitoring point labelled as "BH14B" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
19	Surface water monitoring point - Monitoring gantry	Surface water monitoring point labelled as "Monitoring gantry" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.

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20	Leachate quality monitoring - Leachate sump riser	Leachate quality monitoring point labelled as "Leachate sump riser" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.
21	Leachate quality monitoring - Leachate dam entry	Leachate quality monitoring point labelled as "Leachate dam entry" on map titled, "Borehole Monitoring" prepared by Arcadis and dated 31 July 2019.

P1.2 The licensee must ensure that dust and particulates generated at the Premises do not exceed the criteria (short term and long term criteria for particulate matter) listed in the table below at any residence or on more than 25 percent of any privately owned land surrounding the Premises.

\* Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, illegal activities or any other activity agreed to by the Department of Planning & Environment and the EPA.

\*\* Total impact (i.e. incremental increase in concentrations due to the activities plus background concentrations due to other sources).

Pollutant	Averaging period	Criterion*
Total suspended particulate (TSP) matter	Annual	90 µg/m <sup>3</sup> **
Particulate matter < 10 µm (PM10)	Annual	30 µg/m <sup>3</sup> **
Particulate matter < 10 µm (PM10)	24 hour	50 µg/m <sup>3</sup> **

P1.3 The licensee must ensure that dust and particulates generated at the Premises do not exceed the criteria (long term criteria for deposited dust) listed in the table below at any residence or on more than 25 percent of any privately owned land surrounding the Premises.

\* Deposited dust is to be assessed as insoluble solids as defined by the Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method.

\*\* Incremental impact (i.e. incremental increase in concentrations due to the activities on their own)

\*\*\* Total impact (i.e. incremental increase in concentrations due to the activities plus background concentrations due to other sources)

Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level
Deposited dust*	Annual	2 g/m <sup>2</sup> /month**	4 g/m <sup>2</sup> /month***

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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.

### 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 1,2,3

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Ammonia	milligrams per litre				1
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				50

### L3 Volume and mass limits

L3.1 The licensee is taken not to have exceeded a concentration limit specified in the licence for the discharge of total suspended solids from Points 1-3 if:

- the discharge from Points 1-3 occurs solely for rainfall events exceeding the 90th percentile 5-day rainfall event; and
- the licensee has taken all practical measures to avoid or minimise water pollution.

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## L4 Waste

L4.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below.

Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below.

Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below.

This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	Special waste	Emplacement of material that is already on the Premises classified as Special waste - Asbestos Waste	Waste disposal (application to land)	No asbestos is permitted to be received from offsite. Disposal must be undertaken in accordance with the approved Asbestos & Contamination Management Plan.
NA	General solid waste (non-putrescible)	As defined in Schedule 1 of the POEO Act, as in force from time to time	Waste disposal (application to land)	Maximum 205,000 tonnes in any 12 month period (refer to condition L4.2)

L4.2 The maximum amount of waste that can be landfilled in any 12 month period is 205,000 tonnes.

L4.3 Waste is only permitted to be emplaced into landfill Cell 1A.

## L5 Noise limits

L5.1 Noise from the premises must not exceed the sound pressure noise level limits presented in the table below.

Receiver	Day Site Establishment Limit	Day Operation Limit
	LAeq(15 minute) dB(A)	LAeq(15 minute) dB(A)
3 Chablis Place	41	38

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Newham Residence "Roughwood Park", Luddenham Road, Orchard Hills	39	39
Bates Residence "Glenholme Farm" Luddenham Road, Orchard Hills	39	39
210 Luddenham Road	35	38
Residence & Hall at the Croatian Cultural Association	37	39
11 Cabernet Place	43	39

L5.2 For the purposes of condition L5.1, day is defined as the period from 7am to 5pm Monday to Friday, and 8am to 2pm on Saturday.

## L6 Blasting

L6.1 No blasting is to be carried out at the premises.

## L7 Hours of operation

L7.1 The licensee must comply with the hours of operation listed in the table below:

Activity	Day	Hours
Site establishment	Monday - Friday	7am - 6pm
	Saturday	8am - 1pm
	Sunday & Public Holidays	Nil
Operation	Monday - Friday	7am - 5pm
	Saturday	8am - 2pm
	Sunday & Public Holidays	Nil

Note: Site establishment has the same meaning as provided in Development Consent MP09\_0074

## L8 Other limit conditions

L8.1 The scale of the land based extractive activity authorised under this licence must not exceed 160,000 tonnes in any 12 month period.

## 4 Operating Conditions

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## **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 Activities occurring in or on the premises must be carried out in a manner that prevents or minimises the generation of dust.

O3.2 The premises must be maintained in a condition which prevents or minimises the emission of dust from the premises.

O3.3 The licensee must ensure no visible dust leaves the premises.

O3.4 The licensee must ensure that no material including sediment is tracked from the premises.

## **O4 Emergency response**

O4.1 The licensee must maintain and implement as necessary a current emergency response plan for the premises. The licensee must keep the emergency response plan on the premises at all times. The emergency response plan must document systems and procedures to deal with all types of incidents (e.g. spills, explosion or fire) that may occur at the premises or that may be associated with activities that occur at the premises and which are likely to cause harm to the environment. If a current emergency response plan does not exist at the date on which this condition is attached to the licence, the licensee must develop an emergency response plan within three months of that date.

## **O5 Waste management**

O5.1 Cover material must be

a) Daily cover

Daily cover material must be either

(i) Virgin excavated natural material (VENM); or

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(ii) NSW EPA approved alternative daily cover (ADC).

Cover material must be applied to a minimum depth of 15 centimetres over all exposed landfilled waste prior to ceasing operations at the end of each day.

b) Intermediate cover

Cover material must be applied to a depth of 30 centimetres over surfaces of the landfilled waste at the premises which are to be exposed for more than 90 days.

c) Cover material stockpile

At least two weeks cover material must be available at the premises under all weather conditions. This material may be won on site, or alternatively a cover stockpile must be maintained adjacent to the tip face.

## 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 1,2,3,19**

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Pollutant	Units of measure	Frequency	Sampling Method
Dissolved Oxygen	milligrams per litre	Special Frequency 1	Probe
Electrical conductivity	microsiemens per centimetre	Special Frequency 1	Probe
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	Grab sample
pH	pH	Special Frequency 1	Probe
Potassium	milligrams per litre	Special Frequency 1	Grab sample
Total dissolved solids	milligrams per litre	Special Frequency 1	Grab sample
Total organic carbon	milligrams per litre	Special Frequency 1	Grab sample
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample

## POINT 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18

Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Quarterly	Representative sample
Aluminium	milligrams per litre	Yearly	Representative sample
Arsenic	milligrams per litre	Yearly	Representative sample
Barium	milligrams per litre	Yearly	Representative sample
Benzene	milligrams per litre	Yearly	Representative sample
Benzo(a)pyrene	milligrams per litre	Yearly	Representative sample
Bicarbonate alkalinity	milligrams per litre	Quarterly	Representative sample
Cadmium	milligrams per litre	Yearly	Representative sample
Calcium	milligrams per litre	Quarterly	Representative sample
Carbon dioxide	percent by volume	Quarterly	Special Method 1
Chloride	milligrams per litre	Quarterly	Representative sample
Chromium (hexavalent)	milligrams per litre	Yearly	Representative sample
Chromium (total)	milligrams per litre	Yearly	Representative sample
Cobalt	milligrams per litre	Yearly	Representative sample
Copper	milligrams per litre	Yearly	Representative sample
Ethyl benzene	milligrams per litre	Yearly	Representative sample
Fluoride	milligrams per litre	Yearly	Representative sample
Lead	milligrams per litre	Yearly	Representative sample
Magnesium	milligrams per litre	Quarterly	Representative sample
Manganese	milligrams per litre	Yearly	Representative sample
Mercury	milligrams per litre	Yearly	Representative sample
Methane	percent by volume	Quarterly	Special Method 1
Nickel	milligrams per litre	Yearly	Representative sample
Nitrate	milligrams per litre	Quarterly	Representative sample
Nitrite	milligrams per litre	Quarterly	Representative sample
Nitrogen (ammonia)	milligrams per litre	Quarterly	Representative sample
Organochlorine pesticides	milligrams per litre	Yearly	Representative sample



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Organophosphate pesticides	milligrams per litre	Yearly	Representative sample
PCBs	milligrams per litre	Yearly	Representative sample
pH	pH	Quarterly	Probe
Phenols	milligrams per litre	Yearly	Representative sample
Phosphorus	milligrams per litre	Quarterly	Representative sample
Polycyclic aromatic hydrocarbons	milligrams per litre	Yearly	Representative sample
Potassium	milligrams per litre	Quarterly	Representative sample
Redox potential	millivolts	Quarterly	Representative sample
Selenium	milligrams per litre	Yearly	Representative sample
Sodium	milligrams per litre	Quarterly	Representative sample
Standing Water Level	metres	Quarterly	In situ
Sulfate	milligrams per litre	Quarterly	Representative sample
Temperature	degrees Celsius	Quarterly	Probe
Toluene	milligrams per litre	Yearly	Representative sample
Total dissolved solids	milligrams per litre	Quarterly	Representative sample
Total organic carbon	milligrams per litre	Quarterly	Representative sample
Total petroleum hydrocarbons	milligrams per litre	Yearly	Representative sample
Xylene	milligrams per litre	Yearly	Representative sample
Zinc	milligrams per litre	Yearly	Representative sample

## POINT 20,21

Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Yearly	Grab sample
Aluminium	milligrams per litre	Yearly	Grab sample
Arsenic	milligrams per litre	Yearly	Grab sample
Barium	milligrams per litre	Yearly	Grab sample
Benzene	milligrams per litre	Yearly	Grab sample
Bicarbonate	milligrams per litre	Yearly	Grab sample
BOD	milligrams per litre	Yearly	Grab sample
Cadmium	milligrams per litre	Yearly	Grab sample
Calcium	milligrams per litre	Yearly	Grab sample
Chemical oxygen demand	milligrams per litre	Yearly	Grab sample
Chloride	milligrams per litre	Yearly	Grab sample
Chromium	milligrams per litre	Yearly	Grab sample
Cobalt	milligrams per litre	Yearly	Grab sample
Copper	milligrams per litre	Yearly	Grab sample
Electrical conductivity	microsiemens per centimetre	Quarterly	Probe
Ethyl benzene	milligrams per litre	Yearly	Grab sample
Fluoride	milligrams per litre	Yearly	Grab sample

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Lead	milligrams per litre	Yearly	Grab sample
Magnesium	milligrams per litre	Yearly	Grab sample
Manganese	milligrams per litre	Yearly	Grab sample
Mercury	milligrams per litre	Yearly	Grab sample
Nickel	milligrams per litre	Yearly	Grab sample
Nitrate	milligrams per litre	Yearly	Grab sample
Nitrite	milligrams per litre	Yearly	Grab sample
Organochlorine pesticides	milligrams per litre	Yearly	Grab sample
Organophosphate pesticides	milligrams per litre	Yearly	Grab sample
pH	pH	Quarterly	Probe
Phenols	milligrams per litre	Yearly	Grab sample
Phosphorus	milligrams per litre	Yearly	Grab sample
Polycyclic aromatic hydrocarbons	milligrams per litre	Yearly	Grab sample
Potassium	milligrams per litre	Yearly	Grab sample
Sodium	milligrams per litre	Yearly	Grab sample
Standing Water Level	metres (Australian Height Datum)	Quarterly	In situ
Sulfate	milligrams per litre	Yearly	Grab sample
Toluene	milligrams per litre	Yearly	Grab sample
Total dissolved solids	milligrams per litre	Yearly	Grab sample
Total organic carbon	milligrams per litre	Yearly	Grab sample
Total petroleum hydrocarbons	milligrams per litre	Yearly	Grab sample
Total suspended solids	milligrams per litre	Yearly	Grab sample
Xylene	milligrams per litre	Yearly	Grab sample
Zinc	milligrams per litre	Yearly	Grab sample

M2.3 For the purposes of the table(s) above:

- a) Special Frequency 1 means: if discharges occur, the collection of samples within 24 hours of discharge and at a minimum of weekly intervals during discharge; and
- b) Special Method 1 means: in accordance with section 5.3 of the EPA's "Environmental Guidelines: Solid Waste Landfills", Second edition 2016.

### 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.

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## **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 one month 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.

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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 via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

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

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

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

## R2 Notification of environmental harm

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

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.

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.

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## 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.

## 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.

## 8 Special Conditions

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## E1 Construction of Cell 1

E1.1 The licensee must construct Cell 1, a leachate dam and appurtenant works in accordance with the designs, specifications, methods and construction quality assurance plan contained in the GHD report titled, "Patons Lane Resource Recovery Centre - Technical Specification - Cell 1 and Associated Works" dated February 2019 (and associated plans). This includes a leachate barrier comprising, from bottom to top:

On the floor of the cell

- a. a compacted sub-base 200mm thick of in situ or site-won material
- b. a compacted clay liner 900mm thick with an in situ hydraulic conductivity of less than  $1 \times 10^{-9}$ metres/second
- c. a separation geotextile
- d. a leachate collection layer comprising 300mm of drainage gravel and collection pipework
- e. a separation geotextile

On the walls of the cell

- f. prepared in accordance with Section 6.9 of the "Paton's Lane Resource Recovery Centre - Technical Specification - Cell 1 and Associated Works" dated February 2019 and associated plans
- g. a linear low-density polyethylene geomembrane (LLDPE geomembrane)
- h. a protection geotextile above the LLDPE geomembrane

The leachate dam lining

- i. a compacted clay liner 600mm thick with an in situ hydraulic conductivity of less than  $1 \times 10^{-9}$ metres/second
- j. a geonet drainage geocomposite (as a gas relief layer to protect the liner)
- k. a high-density polyethylene liner

E1.2 Following construction of each sub-cell (1A, 1B and 1C) and of the leachate dam, the licensee must submit a Construction Quality Assurance (CQA) Report containing:

- a. details and evidence of the works installed, the testing conducted, and the quality assurance procedures implemented;
- b. an account of any variations to the approved designs, methods and specifications; and
- c. an opinion by an appropriately qualified and experienced construction quality assurance practitioner on the conformance of the works with the approved designs, methods and specifications.

E1.3 The licensee must not deposit waste in a sub-cell until the EPA has approved the CQA Report for it, and the EPA has given written approval to commence filling.

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## E2 Construction of Cell 2 and Cell 3

- E2.1 The licensee must not commence construction of Cell 2 or Cell 3 (or any parts thereof) without first obtaining approval from the EPA in the form of a condition on this licence.

## E3 Financial assurance

- E3.1 A financial assurance in the form of an unconditional and irrevocable and on demand guarantee from a bank, building society or credit union operating in Australia as "Authorised Deposit-taking Institutions" under the Banking Act 1959 of the Commonwealth of Australia and supervised by the Australian Prudential Regulatory Authority (APRA) must be provided to the EPA within ten working days of this licence being issued. The financial assurance must be in favour of the EPA for a total amount to be held by the EPA of one million, two hundred thousand dollars (\$1,200,000).

The financial assurance is required to secure or guarantee funding for works or programs required by or under environment protection licence no. 21259 (EPL 21259) and environment protection licence no. 20814 (EPL 20814). The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

- E3.2 The EPA may claim on a financial assurance under s303 of the POEO Act if a licensee fails to carry out any work or program required to comply with the conditions of EPL 21259 and/or EPL 20814.
- E3.3 The financial assurance must be maintained while activities are being conducted under EPL 21259 and EPL 20814 and thereafter until such time as the EPA is satisfied the premises relating to EPL 21259 or EPL 20814 is environmentally secure.
- E3.4 The financial assurance must be replenished by the full amount claimed or realised if the EPA has claimed on or realised the financial assurance or any part of it to undertake a work or program required to be carried out by EPL 21259 and/or EPL 20814 which has not been undertaken by the licence holder.
- E3.5 The EPA may require an increase in the amount of the financial assurance at any time as a result of reassessment of the total likely costs and expenses of rehabilitation of the premises regulated under EPL 21259 and/or EPL 20814.

## E4 Environmental Obligations of Licensee

- E4.1 While the licensee's premises are being used for the purpose to which the licence relates, the licensee must:
- Clean up any spill, leak or other discharge of any waste(s) or other material(s) as soon as practicable after it becomes known to the licensee or to one of the licensee's employees or agents.
  - In the event(s) that any liquid and non-liquid waste(s) is unlawfully deposited on the premises, such waste(s) must be removed and lawfully disposed of as soon as practicable or in accordance with any direction given by the EPA.
  - Provide all monitoring data as required by the conditions of this licence or as directed by the EPA.
- E4.2 In the event of an earthquake, storm, fire, flood or any other event where it is reasonable to suspect that a

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pollution incident has occurred, is occurring or is likely to occur, the licensee (whether or not the premises continue to be used for the purposes to which the licence relates) must:

- a) make all efforts to contain all firewater on the licensee's premises,
- b) make all efforts to control air pollution from the licensee's premises,
- c) make all efforts to contain any discharge, spill or run-off from the licensee's premises,
- d) make all efforts to prevent flood water entering the licensee's premises,
- e) remediate and rehabilitate any exposed areas of soil and/or waste,
- f) lawfully dispose of all liquid and solid waste(s) stored on the premises that is not already securely disposed of,
- g) at the request of the EPA monitor groundwater beneath the licensee's premises and its potential to migrate from the licensee's premises,
- h) at the request of the EPA monitor surface water leaving the licensee's premises; and
- i) ensure the licensee's premises is secure.



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## Dictionary

### General Dictionary

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

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

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

Ms Ruth Owler

Environment Protection Authority

(By Delegation)

Date of this edition: 08-November-2016

## End Notes

- 2 Licence format updated on 02-Feb-2017
- 3 Licence varied by notice 1549714 issued on 20-Mar-2017
- 4 Licence varied by notice 1566725 issued on 15-Aug-2018
- 5 Licence varied by notice 1577073 issued on 20-Aug-2019