Section 55 Protection of the Environment Operations Act 1997

Environment Protection Licence

Licence Details	
Number:	21185
Anniversary Date:	14-September

Licensee
GENERATOR PROPERTY MANAGEMENT PTY LIMITED
PO BOX 132
BUDGEWOI NSW 2262

Premises
Kerosene Vale Ash Repositories
(INCLUDING PORTIONS OF THE FORMER WALLERAWANG POWER STATION)
WALLERAWANG NSW 2845

Licensing Fee Category (Regulation)	Scale
Miscellaneous licensed discharge to waters (wet weather only)	> 150 ML maximum volume of discharge authorised

Environment Protection Licence

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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 information to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

Usually, the licence fee period is the same as the reporting period.

The EPA publication "A Guide to Licensing" contains information about how to calculate your licence fees.

A licence subject to load-based licensing (LBL) requires an Annual Return to be submitted to the EPA, comprising a Statement of Compliance for Load Based Fee Calculation for each assessable pollutant required by the licence. The Annual Return must be submitted by the "due date", as defined in the dictionary at the end of the licence. Refer to the Annual Return reporting requirements under Section 6 "Reporting Conditions".

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:

Licensee
GENERATOR PROPERTY MANAGEMENT PTY LIMITED
PO BOX 132
BUDGEWOI NSW 2262

subject to the conditions which follow.

1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence regulates water pollution resulting from the activity/ies specified below carried out at the premises specified in A2.

Licensing Fee Category (Regulation)	Scale
Miscellaneous licensed discharge to waters (wet weather only)	> 150 ML maximum volume of discharge authorised

Note: Wet weather discharge is defined under Condition L2.5

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
Kerosene Vale Ash Repositories
(INCLUDING PORTIONS OF THE FORMER WALLERAWANG POWER STATION)
WALLERAWANG NSW 2845
LOT 5//DP1284934, LOT 1//DP568265, LOT 1//DP825124, LOT 2//DP829137, LOT 3//DP829137 , LOT 2//DP1139982, LOT 3//DP1139982, LOT 101//DP829410, LOT 10//DP1139978
Premises excludes areas marked (in green) as Energy Australia NSW owned land under EP L 766 within Lot 5 DP829137 (now known as Lot 5 DP 1284934) as shown on the map titled "Figure 1: Proposed EPL 766 split" dated 17 April 2020 (EPA Ref: DOC20/99052-13). **Premises includes areas marked (in blue) within Lot 171 DP1131952, Lot C DP39440, Lot 10 0 DP1043966, Lot 11 DP1139978 as "Caustic Injection Plant (CIP)", CIP pipeline and "LDP3" as shown on the map titled "Figure 2: Proposed EPL 766 split" dated 17 April 2020 (EPA Re f: DOC20/99052-13).**

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.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 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.

P1.2 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 Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Coxs River Quality and Volume Monitoring	Discharge to Coxs River Quality and Volume Monitoring	Licence Discharge Point identified as LDP3 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
2	Ground water bore WH_MW02		Identified as WH_MW02 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
3	Ground water bore WH_MW03		Identified as WH_MW03 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
6	Ground water bore WI_MW03		Identified as WI_MW03 in the figure titled 'EPL water monitoring locations'.

			Received by the EPA 19/04/2022 (DOC22/307526)
7	Ground water bore WJ_MW03		Identified as WJ_MW03 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
9	Ground water bore WK_MW01		Identified as WK_MW01 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
10	Ground water bore WK_MW04		Identified as WK_MW04 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
11	Ground water bore WK_MW06		Identified as WK_MW06 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
12	Ground water bore WH_X_WGM1/D2		Identified as WH_X_WGM1/D2 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
13	Ground water bore WH_X_WGM1/D3		Identified as WH_X_WGM1/D3 in the figure titled 'EPL water monitoring locations'. Received by the EPA

			19/04/2022 (DOC22/307526)
14	Ground water bore WH_X_WGM1/D4		Identified as WH_X_WGM1/D4 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
15	Ground water bore WH_X_WGM1/D6		Identified as WH_X_WGM1/D6 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
16	Ambient Quality Monitoring Coxs River - Upstream of premises		In the Coxs River upstream of the confluence of Sawyers Swamp Creek. Identified as WX12 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
17	Ambient Quality Monitoring Coxs River - Downstream of SSCAD		In the Coxs River, downstream of the confluence with Sawyers Swamp Creek. Identified as S1 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
18	Ambient Quality Monitoring Sawyers Swamp Creek - Upstream of Premises		Upstream of SSCAD, identified as SS5 in the figure titled 'EPL water monitoring locations'. Received by the EPA

			19/04/2022 (DOC22/307526)
20	Ambient Quality Monitoring Sawyers Swamp Creek - Downstream of the black hole		Downstream of SSCAD, SSCAD embankment and the eastern part of KVAR / KVAD water management area. Identified as S5 in the figure titled 'S5 sample location'. Received by the EPA 23/07/2025 (DOC25/605158)
21	Ambient Quality Monitoring Sawyers Swamp Creek - Downstream of Premises		Downstream of SSCAD, SSCAD embankment and KVAR / KVAD water management area, adjacent to Lidsdale Cut. Identified as WX5 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
22	Ambient Quality Monitoring Sawyers Swamp Creek - Downstream of Premises		Downstream of Premises in Sawyers Swamp Creek. Identified as WX7 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
32	Premises Quality Monitoring Sawyers Swamp Creek Ash Dam - Black Hole		Within SSCAD, identified as 'BLKH' in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
38	Ambient volume monitoring point Coxs River		Flow meter located immediately upstream from EPL 1 identified as

			Gauge 212054 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
39	Ambient Quality Monitoring Coxs River - Downstream of Premises and discharge point		In the Coxs River, 500m downstream of LDP3. Identified as WX10A in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526).
40	Ambient Quality Monitoring Sawyers Swamp Creek - Downstream of SSCAD, Upstream of SSCAD embankment		Downstream of SSCAD in Sawyers Swamp Creek. Identified as 'S6' in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
41	Ambient Monitoring Dump Creek - Downgradient of Premises		In Dump Creek downgradient of the Premises. Identified as 'WX11' in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526)
42	Ambient Quality Monitoring Coxs River - Upstream of Premises and discharge point		In the Coxs River, 500m upstream of LDP3. Identified as WX9 in the figure titled 'EPL water monitoring locations'. Received by the EPA 19/04/2022 (DOC22/307526).

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/s 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\s.

L2.4 Water and/or Land Concentration Limits

POINT 1

Pollutant	UOM	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				20
Turbidity	nephelometric turbidity units				20
Ammonia	milligrams per litre				0.72
Cadmium (dissolved)	milligrams per litre				0.0012
Manganese (dissolved)	milligrams per litre				1.9

L2.5 The Licensee is only authorised to undertake a 'wet weather discharge'. Discharges must be in accordance with the location and limits specified in Condition L2.3, L2.4 and L3.1.

Wet weather is defined as periods when streamflow in the Cox's River is >/=10ML/day so as to maintain a minimum streamflow to discharge ratio of 10:1.

Streamflow must be monitored in accordance with Condition M6.1

L3 Volume and mass limits

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

POINT 1

Limits Unit of measure	Volume/Mass Limit
megalitres per day	6.5

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.

Waste	Description	Activity	Other Limits
NA - Virgin excavated natural material	As defined in Schedule 1 of the POEO Act, in force from time to time	-	To be received at the premises for the purposes associated with the capping of Kerosine Vale Ash Repositories
NA - Excavated natural material	As defined in Schedule 1 of the POEO Act, in force from time to time	-	To be received at the premises for the purposes associated with the capping of Kerosine Vale Ash Repositories

NA - General or Specific exempted waste	Coal Washery Rejects	As specified in each particular resource recovery exemption	Not applicable
NA - General or Specific exempted waste	Pasteurised Garden Organics	As specified in each particular resource recovery exemption	Not applicable
NA - General or Specific exempted waste	Recovered Railway Ballast	As specified in each particular resource recovery exemption	Not applicable
NA - General or Specific exempted waste	Coal Ash	As specified in each particular resource recovery exemption	Not applicable
NA - General or Specific exempted waste	Blended ECORR recovered soil	As specified in each particular resource recovery exemption	Not applicable
NA - General or Specific exempted waste	Compost	As specified in each particular resource recovery exemption	Not applicable

L4.2 The total amount of all asbestos waste, referred to in the table above, must not exceed 11,000m3.

L4.3 The licensee must apply in writing to the EPA prior to construction of a new waste cell if an additional area for the disposal of asbestos from the former Wallerawang Power Station site is required.

L5 Noise limits

L5.1 Operational noise from the Kerosene Vale Ash Repository area must not exceed:

40dB(A) LAeq(15 minute) , at the nearest most affected noise sensitive location.

Note: LAeq means the equivalent continuous noise level - the level of noise equivalent to the energy-average of noise levels occurring over a measurement period.

L5.2 To determine compliance with condition(s) L5.1 noise must be measured at, or computed for, the most affected location within the residential boundary, or at the most affected point within 30

metres of a dwelling (rural setting) where the dwelling is more than 30 metres from the boundary. A modifying factor correction must be applied for tonal, impulsive or intermittent noise in accordance with the "Environmental Noise Management - NSW Industrial Noise Policy (January 2000)".

L5.3 The noise emission limits identified in this licence apply under the following meteorological conditions:
a) wind speeds up to 3 m/s at 10 metres height above ground; and/or
b) temperature inversion conditions of up to 3°C /100m and source to receiver gradient winds of up to 2 m/s at 10 metres height above ground.

Note: The noise emission limits identified in this licence do not apply at a noise sensitive location, where the licensee and the affected noise sensitive location have reached a negotiated agreement in regards to noise, and a copy of that agreement has been provided to the Environment Protection Authority.

L6 Hours of operation

L6.1 Operational activities associated with the Kerosene Vale Ash Repository must only be carried out between the hours of 0700 and 2200 Monday to Sunday.

L6.2 This condition does not apply to the delivery of material outside the hours of operation permitted by condition L6.1, if that delivery is required by police or other authorities for safety reasons; and/or the operation or personnel or equipment are endangered. In such circumstances, prior notification must be provided to the EPA and affected residents as soon as possible or within a reasonable period in the case of emergency.

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.
This includes:
a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
a) must be maintained in a proper and efficient condition; and
b) must be operated in a proper and efficient manner.

O3 Dust

O3.1 All areas in or on the premises must be maintained in a condition that prevents or minimises the emission into the air of air pollutants (which includes dust).

O3.2 Any activity in or on the premises must be carried out by such practicable means as to prevent or minimise the emission into the air of air pollutants (which includes dust).

O3.3 Any plant in or on the premises must be operated by such practicable means as to prevent or minimise the emission into the air or air pollutants (which includes dust).

O3.4 Trucks entering and leaving the premises that are carrying loads of dust generating materials must have their loads covered at all times, except during loading and unloading.

O4 Processes and management

O4.1 A discharge from LDP3 at the concentration limits specified under L2.4 is only permitted during or following wet weather in order to maintain a safe operating water level within the Sawyer Swamp Creek Ash Dam.

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 EPA point identification number for 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 1,39,42

Pollutant	UOM	Frequency	Sampling Methods

Aluminium (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Ammonia	milligrams per litre	Weekly during any discharge	Representative sample
Antimony (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Arsenic (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Barium (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Beryllium (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Boron (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Cadmium (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Calcium	milligrams per litre	Weekly during any discharge	Representative sample
Chloride	milligrams per litre	Weekly during any discharge	Representative sample
Chromium (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Cobalt (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Copper (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Dissolved Oxygen	milligrams per litre	Weekly during any discharge	In situ
Electrical conductivity	microsiemens per centimetre	Weekly during any discharge	In situ
Fluoride	milligrams per litre	Weekly during any discharge	Representative sample

Iron (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Lead (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Magnesium	milligrams per litre	Weekly during any discharge	Representative sample
Manganese (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Mercury (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Molybdenum (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Nickel (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Nitrogen (total)	milligrams per litre	Weekly during any discharge	Representative sample
Nitrogen Oxides	milligrams per litre	Weekly during any discharge	Representative sample
pH	pH	Weekly during any discharge	In situ
Phosphorus (dissolved reactive)	milligrams per litre	Weekly during any discharge	Representative sample
Phosphorus (total)	milligrams per litre	Weekly during any discharge	Representative sample
Potassium	milligrams per litre	Weekly during any discharge	Representative sample
Redox potential	millivolts	Weekly during any discharge	In situ
Selenium (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Silver (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample

Sodium	milligrams per litre	Weekly during any discharge	Representative sample
Strontium (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Sulfate	milligrams per litre	Weekly during any discharge	Representative sample
Total alkalinity	milligrams per litre	Weekly during any discharge	Representative sample
Total dissolved solids	milligrams per litre	Weekly during any discharge	Representative sample
Total Hardness	milligrams per litre	Weekly during any discharge	Representative sample
Total Kjeldahl Nitrogen	milligrams per litre	Weekly during any discharge	Representative sample
Total suspended solids	milligrams per litre	Weekly during any discharge	Representative sample
Turbidity	nephelometric turbidity units	Weekly during any discharge	In situ
Vanadium (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample
Zinc (dissolved)	milligrams per litre	Weekly during any discharge	Representative sample

POINT 16, 17, 18, 20, 21, 22, 32, 40, 41

Pollutant	UOM	Frequency	Sampling Methods
Aluminium (dissolved)	milligrams per litre	Monthly	Representative sample
Ammonia	milligrams per litre	Monthly	Representative sample
Antimony (dissolved)	milligrams per litre	Monthly	Representative sample
Arsenic (dissolved)	milligrams per litre	Monthly	Representative sample
Barium (dissolved)	milligrams per litre	Monthly	Representative sample

Beryllium (dissolved)	milligrams per litre	Monthly	Representative sample
Boron (dissolved)	milligrams per litre	Monthly	Representative sample
Cadmium (dissolved)	milligrams per litre	Monthly	Representative sample
Calcium	milligrams per litre	Monthly	Representative sample
Chloride	milligrams per litre	Monthly	Representative sample
Chromium (dissolved)	milligrams per litre	Monthly	Representative sample
Cobalt (dissolved)	milligrams per litre	Monthly	Representative sample
Copper (dissolved)	milligrams per litre	Monthly	Representative sample
Dissolved Oxygen	milligrams per litre	Monthly	In situ
Electrical conductivity	microsiemens per centimetre	Monthly	In situ
Fluoride	milligrams per litre	Monthly	Representative sample
Iron (dissolved)	milligrams per litre	Monthly	Representative sample
Lead (dissolved)	milligrams per litre	Monthly	Representative sample
Magnesium	milligrams per litre	Monthly	Representative sample
Manganese (dissolved)	milligrams per litre	Monthly	Representative sample
Mercury (dissolved)	milligrams per litre	Monthly	Representative sample
Molybdenum (dissolved)	milligrams per litre	Monthly	Representative sample
Nickel (dissolved)	milligrams per litre	Monthly	Representative sample
Nitrogen (total)	milligrams per litre	Monthly	Representative sample
pH	pH	Monthly	In situ
Phosphorus (total)	milligrams per litre	Monthly	Representative sample
Potassium	milligrams per litre	Monthly	Representative sample
Redox potential	millivolts	Monthly	In situ
Selenium (dissolved)	milligrams per litre	Monthly	Representative sample
Silver (dissolved)	milligrams per litre	Monthly	Representative sample

Sodium	milligrams per litre	Monthly	Representative sample
Sulfate	milligrams per litre	Monthly	Representative sample
Total dissolved solids	milligrams per litre	Monthly	Representative sample
Total Hardness	milligrams per litre	Monthly	Representative sample
Total Kjeldahl Nitrogen	milligrams per litre	Monthly	Representative sample
Total suspended solids	milligrams per litre	Monthly	Representative sample
Turbidity	nephelometric turbidity units	Monthly	In situ
Vanadium (dissolved)	milligrams per litre	Monthly	Representative sample
Zinc (dissolved)	milligrams per litre	Monthly	Representative sample

POINT 16,17,18,20,21,22,32,40,41

Pollutant	UOM	Frequency	Sampling Methods
Nitrogen Oxides	milligrams per litre	Monthly	Representative sample
Phosphorus (dissolved reactive)	milligrams per litre	Monthly	Representative sample
Strontium (dissolved)	milligrams per litre	Monthly	Representative sample
Total alkalinity	milligrams per litre	Monthly	Representative sample

POINT 2, 3, 6, 7, 9, 10, 11, 12, 13, 14, 15

Pollutant	UOM	Frequency	Sampling Methods
Arsenic (dissolved)	milligrams per litre	Every 6 months	Representative sample
Benzo(a)pyrene	milligrams per litre	Every 6 months	Representative sample
Boron (dissolved)	milligrams per litre	Every 6 months	Representative sample
Cadmium (dissolved)	milligrams per litre	Every 6 months	Representative sample
Chromium (dissolved)	milligrams per litre	Every 6 months	Representative sample

Copper (dissolved)	milligrams per litre	Every 6 months	Representative sample
Electrical conductivity	microsiemens per centimetre	Every 6 months	In situ
Lead (dissolved)	milligrams per litre	Every 6 months	Representative sample
Manganese (dissolved)	milligrams per litre	Every 6 months	Representative sample
Nickel (dissolved)	milligrams per litre	Every 6 months	Representative sample
pH	pH	Every 6 months	In situ
Selenium (dissolved)	milligrams per litre	Every 6 months	Representative sample
Standing Water Level	metres (Australian Height Datum)	Every 6 months	In situ
Total dissolved solids	milligrams per litre	Every 6 months	Representative sample
Zinc (dissolved)	milligrams per litre	Every 6 months	Representative sample

M3 Testing methods - concentration limits

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

M4 Recording of pollution complaints

M4.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M4.2 The record must include details of the following:
a) the date and time of the complaint;
b) the method by which the complaint was made;
c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
d) the nature of the complaint;
e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
f) if no action was taken by the licensee, the reasons why no action was taken.

M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M5 Telephone complaints line

M5.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M5.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

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

M6 Requirement to monitor volume or mass

M6.1 For each discharge point or utilisation area specified below, the licensee must monitor:
a) the volume of liquids discharged to water or applied to the area;
b) the mass of solids applied to the area;
c) the mass of pollutants emitted to the air;
at the frequency and using the method and units of measure, specified below.

POINT 1

Frequency	Monitoring unit of measure	Monitoring method
Continuous during discharge	megalitres per day	Flow meter and continuous logger

POINT 38

Frequency	Monitoring unit of measure	Monitoring method
Continuous during discharge	megalitres per day	Flow meter and continuous logger

6 Reporting Conditions

R1 Compliance, and annual reporting requirements

Compliance with licence conditions

R1.1 The licensee must supply the EPA, via the EPA's online digital portal, the following details of any non-compliance with the conditions of the licence within 21 days after the licensee becomes aware of the non-compliance:

a. the date the licensee became aware of the non-compliance;
b. the date(s) the non-compliance occurred, including if the non-compliance is continuing;

c. whether the non-compliance relates to air, water/land, noise or waste matters (if applicable);
d. whether the non-compliance relates to a pollution incident;
e. the licence condition(s) not complied with;
f. a summary of particulars of the non-compliance, including (if known):
    i. the location where the non-compliance occurred;
    ii. the duration of the non-compliance;
    iii. if the non-compliance is continuing, the suspected end date of the non-compliance;
g. the cause or suspected cause of the non-compliance;
h. any action taken, or proposed to be taken, to mitigate the effects of the non-compliance; and
i. any action taken, or proposed to be taken, to prevent a recurrence of the non-compliance.

R1.2 The EPA may make a written request for further details in relation to each non-compliance reported in accordance with Condition R1.1. The licensee must provide such further details to the EPA, via the EPA's online digital portal, within the time specified in the request.

R1.3 Condition R1.1 does not apply where a non-compliance with a licence condition has been identified by the EPA as part of an EPA environmental compliance audit.

Reporting transition arrangements

R1.4 By 05 August 2026, the licensee must supply to the EPA, via the EPA's online digital portal the details required in Condition R1.1 for any non-compliance with the conditions of the licence that occurred:

i. after the date the licensee supplied their last Statement of Compliance - Licence Conditions to the EPA, and
ii. before the date of the notice of variation of licence that added this condition to this Licence.

Pollution monitoring data summary

R1.5 If the licensee undertakes monitoring as a result of a licence condition, the licensee must supply to the EPA a summary of the results of the pollution monitoring data in respect of each reporting period. The summary must be provided as a Microsoft Excel file, formatted with the following column headings:

a. EPA point identification number;
b. pollutant;
c. unit of measure;
d. number of samples required;
e. number of samples collected and analysed;
f. lowest sample value;
g. mean of sample values; and
h. highest sample value.

The pollution monitoring data summary for the reporting period must be supplied to the EPA via the EPA's online digital portal by the "due date", as defined in the dictionary at the end of this licence.

R2 Notification of environmental harm

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

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in 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 they became aware of the incident.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
a) where this licence applies to premises, an event has occurred at the premises; or
b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:
a) the cause, time and duration of the event;
b) the type, volume and concentration of every pollutant discharged as a result of the event;
c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

R4 Other reporting conditions

Water Quality Monitoring Report

R4.1 The licensee must submit an Water Quality Monitoring Report every six (6) months to the EPA, unless otherwise agreed in writing by the EPA.

R4.2 The Water Quality Monitoring Report must be prepared by a suitably qualified and experienced person and include, but not be limited to:

a) results of all water quality monitoring undertaken in compliance with Condition M2.2 and M6.1 in the
preceding six (6) month period;
b) results of all weather monitoring undertaken in the preceding six (6) month period;
c) compare surface and groundwater quality results to historical trends (where available), water quality
objective trigger values, EPL concentration limits (where applicable) and ambient water quality at relevant
upstream 'undisturbed' reference locations
d) describe actions undertaken by the Licensee over the period to improve water quality and assess the
effectiveness of the actions in improving receiving water quality; and
e) recommend future actions which may include revisions to the water monitoring approach and revisions to
existing or additional water management improvement actions

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 Pollution Studies and Reduction Programs

U1 Groundwater Characterisation Study

U1.1 As part of the ongoing remediation of the premises and the requirements of the Voluntary Management Plan (VMP), the licensee must complete the following:

- A. Quantify the Kerosene Vale Ash Repository discharges occurring to groundwaters.
- B. Identify the need to require interception bores and the subsequent treatment of collected waters.
- C. Conduct further investigations, if required, to address any data gaps.
- D. Assess the impact of any seepage from the Kerosene Vale Ash Repository on groundwater levels in the area.
- E. Review the impact of any seepage on ground and surface water quality, and the receiving environment.
- F. Recommend any additional water management measures required to minimise any potential impacts.

U1.2 The licensee must provide a copy of the groundwater modelling report that addresses but is not necessarily limited to A – E in U1.1 above via the EPA via info@epa.nsw.gov.au by 29 January 2027.

U2 Water Management Assessment

Long term measures

U2.1 By 29 January 2027, the licensee must submit a report on the outcomes of the Reverse Osmosis (RO) pilot trial undertaken at the premises to determine the potential effectiveness of RO. The report must include the source and quality of the water before and after treatment during the RO pilot trial.

U2.2 By 29 January 2027, the licensee must submit a report on the predicted volumes and suitable off-site disposal locations / requirements for any waste streams (liquid and/or solid) produced by a full-scale operational RO plant to treat water from LDP3. The report must include the estimated daily volumes of water required to be treated by an RO plant to such time as the SSCAD is no longer retaining surface water and is fully capped.

U3 Water Quality Discharge Assessment

U3.1 By 20 October 2026, the Licensee must submit a 'Water Quality Discharge Assessment' to assist in determining a revised concentration limit for ammonia within discharges from LDP001.

U3.2 In parallel with the preparation of the 'Water Quality Discharge Assessment', the licensee must ensure the concentration of ammonia discharged via LDP001 remains as low as possible by utilising the following, but not limited to the following:

- Modifications to the water treatment plant including the addition of new clarifiers, along with the type of flocculants.
- Aeration of water during treatment to assist in lowering ammonia concentrations (air stripping).

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 2022
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales.
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.
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2022
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2022
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.

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
due date	Means: i) not later than 60 days after the end of each reporting period; or ii) in the case of a transferring licence - not later than 60 days after the date the transfer was granted.
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 the Environment Protection Authority of New South Wales.
EPA Online digital portal	Means eConnect EPA
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
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
Licensing Fee Category (Regulation)	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2022.
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2022

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 of the 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 incident	Has the same meaning as in the Protection of the Environment Operations Act 1997
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 Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales.
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
wellhead	Has the same meaning as in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2022

Sheridan Ledger
Manager Field Operations
ENVIRONMENT PROTECTION AUTHORITY NSW

End Notes

Licence varied by notice POEO-3937, issued on 15-10-2026

Licence varied by notice POEO-3685, issued on 06-08-2026

Licence varied by notice POEO-1981, issued on 06-06-2026

Licence varied by notice POEO-1981, issued on 06-06-2026

Licence varied by notice 1644223 issued on 16-Apr-2026

Licence varied by notice 1623947 issued on 19-Dec-2023

Licence varied by notice 1616445 issued on 18-Jul-2022

Licence varied by notice 1612509 issued on 27-Jan-2022

Licence varied by notice 1602126 issued on 18-Nov-2020