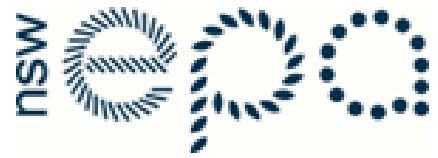


Environment Protection Licence**Licence Details**

Number: 21266

Anniversary Date: 09-May

Licensee

SNOWY HYDRO LIMITED

PO BOX 332

COOMA NSW 2630

Premises

Snowy 2.0 Pumped Hydro Power Station Talbingo and Tantangara

KOSCIUSZKO NATIONAL PARK AND ROCK FOREST

KOSCIUSZKO NSW 2642

Scheduled Activity (Act)Electricity generation - General
electricity works**Licensing Fee Category (Regulation)**Generation of electrical power otherwise than
from coal, diesel or gas**Scale**> 4000 GWh annual
generating capacity

Environment Protection Licence



Contact Us

NSW EPA
6 Parramatta Square
10 Darcy Street
PARRAMATTA NSW 2150
Phone: 131 555
Email: info@epa.nsw.gov.au
Locked Bag 5022
PARRAMATTA NSW 2124

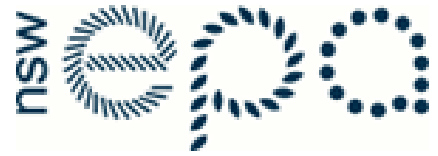
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Information about this licence

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).

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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:

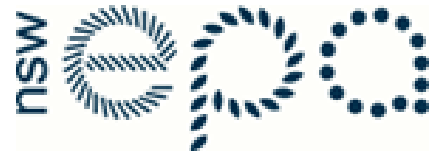
- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

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:

<u>Licensee</u>
SNOWY HYDRO LIMITED
PO BOX 332
COOMA NSW 2630

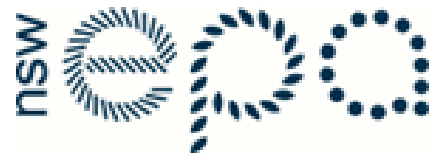
subject to the conditions which follow.



1 Administrative Conditions

A1 What the licence authorises and regulates

- A1.1** There are seven (7) main stages to the scheduled development works listed in A1.3 at the premises listed in A2.
- A1.2** Prior to commencing each stage to the scheduled development works (or subsection of that stage), the licensee must receive written notification from the EPA that it has no objection to the commencement of works. A note has been placed next to all stages or subsections that have commenced for transparency. The stages and their subsections are:
1. Process and sewage treatment plants (including diffuser installation):
 - a. Lobs Hole (commenced)
 - b. Tantangara (commenced)
 - c. Marica (commenced)
 2. Construction facilities and internal access:
 - a. Talbingo portal and construction support area (commenced)
 - b. Lobs Hole main yard (commenced)
 - c. ECVT portal (including cable yard and substations) (commenced)
 - d. MAT portal and construction support area (commenced)
 - e. Marica construction support areas (commenced)
 - f. Tantangara portal and construction support areas (commenced)
 3. Tunnelling and subsurface works:
 - a. Talbingo adit and tailrace tunnel (commenced)
 - b. MAT (commenced)
 - c. ECVT (commenced)
 - d. Tailrace surge tank (commenced)
 - e. Headrace surge tank (commenced)
 - f. Headrace tunnel (commenced)
 - g. Tantangara adit (commenced)
 - h. Marica adit (commenced)
 4. Reservoir works:
 - a. Talbingo water intake and associated structures (commenced)
 - b. Talbingo barge launch
 - c. Tantangara water intake and associated structures (commenced)
 - d. Tantangara barge launch
 5. Spoil emplacement areas:
 - a. Ravine Bay (commenced)
 - b. GFO1 (commenced)
 - c. Lobs Hole (commenced)
 - d. Tantangara (commenced)
 - e. Rock Forest (commenced)

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6. Communication lines:

- a. MAT portal to Marica to Snowy Mountains Highway (commenced)
- b. Snowy Mountains Highway to Tantangara Reservoir (commenced)
- c. Tantangara Reservoir to Tantangara Road
- d. Link Road
- e. Link Road to Cabramurra

7. Road and bridge works:

- a. Lobs Hole Road North (commenced)
- b. Ravine Road (commenced)
- c. Tantangara Road (commenced)
- d. Marica Road West (commenced)
- e. Marica Trail (commenced)

A1.3

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 (Act) classification, Licensing Fee Category (Regulation) 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.

<u>Scheduled Activity (Act)</u>	<u>Licensing Fee Category (Regulation)</u>	<u>Scale</u>
Electricity generation - General electricity works	Generation of electrical power otherwise than from coal, diesel or gas	> 4000 GWh annual generating capacity

A2 Premises or plant to which this licence applies**A2.1**

The licence applies to the following premises:

<u>Premises Details</u>
Snowy 2.0 Pumped Hydro Power Station Talbingo and Tantangara
KOSCIUSZKO NATIONAL PARK AND ROCK FOREST
KOSCIUSZKO NSW 2642
LOT //DP
Premises defined by: Snowy 2.0 Main Works Infrastructure Approval CSSI 9687 (20 May 2020): Appendix 1 – Schedule of Land.



A3 Other activities

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

Ancillary activity
Chemical Storage
Extractive Activities
Sewage Treatment
Concrete Batching
Process Water Treatment
Road Construction and Maintenance

A4 Information supplied to the EPA

A4.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

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

- 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

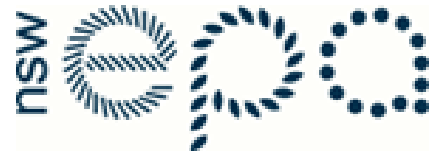
P1 Location of monitoring/discharge points and areas

P1.1 For the purpose of the monitoring/discharge points tables below, "the Plan" refers to the plan titled 'Snowy Hydro 2.0 EPL Premises Plan' Version D, dated July 2026 (DOC26/417226).

P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.3 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

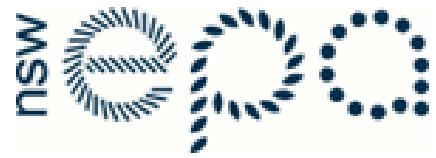
Water and Land

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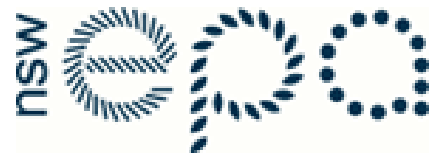
EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Groundwater LOBS HOLE		Groundwater at Wallace Creek Bridge, west of ECVT portal, labelled EPL1 in "the Plan".
2	Groundwater LOBS HOLE		Groundwater at Wallace Creek Bridge, west of ECVT portal, labelled EPL2 in "the Plan".
4	Groundwater LOBS HOLE		Groundwater at Lobs Hole Portal Access, west of MAT portal, labelled EPL4 in "the Plan"
5	Surface Water LOBS HOLE		Yarrangobilly River, upstream of the exploratory tunnel and construction pad, labelled EPL5 in "the Plan".
6	Surface Water LOBS HOLE		Wallaces Creek, upstream of the confluence of Yarrangobilly River and Wallaces Creek, labelled EPL6 in "the Plan".
8	Surface Water LOBS HOLE		Yarrangobilly River, downstream of Lick Hole Gully labelled EPL8 in "the Plan".
9	Surface Water LOBS HOLE		Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir labelled EPL9 in "the Plan".
10	Surface Water TALBINGO		Up-gradient reservoir monitoring location, which includes real-time monitoring buoy location

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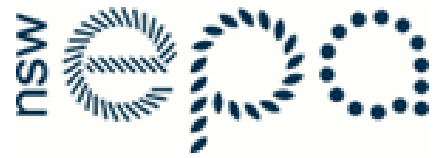
			MB_US and labelled EPL10 in 'the Plan'.
11	Surface Water TALBINGO		Down-gradient reservoir monitoring location, which includes real-time monitoring buoy location MB-DS and labelled EPL11 in "the Plan".
12	Surface Water LOBS HOLE		Yarrangobilly River, immediately downstream of portal pad labelled EPL12 in "the Plan".
14	Surface Water LOBS HOLE		Yarrangobilly River, upstream of MY/LHG PSE labelled EPL14 in "the Plan".
15	Surface Water LOBS HOLE		Yarrangobilly River, downstream of road construction areas labelled EPL15 in "the Plan".
16	Surface Water LOBS HOLE		Yarrangobilly River, downstream of road construction areas labelled EPL16 in "the Plan".
24	Surface Water LOBS HOLE		Yarrangobilly River unnamed tributary, downslope of GFO1 PSE, labelled EPL24 in "the Plan".
25	Groundwater LOBS HOLE		Groundwater downgradient of MAT portal, labelled EPL25 in "the Plan".
26	Surface Water MARICA		Eucumbene River, downstream of Marica

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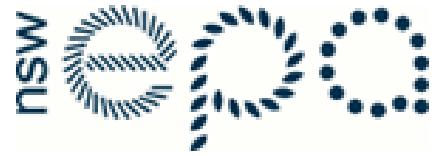
			Road, labelled EPL26 in "the Plan".
27	Surface Water MARICA		Eucumbene River, upstream of Marica Road, labelled EPL27 in "the Plan".
28	Surface Water TANTANGARA		Tantangara Reservoir, upstream in the mouth of the Murrumbidgee River. Variable location dependent on tide and reservoir levels. Labelled EPL28 in "the Plan".
29	Surface Water TANTANGARA		Down-gradient reservoir monitoring location, which includes real-time monitoring buoy location TAN_DS and labelled as EPL29 in "the Plan".
30	Surface Water TANTANGARA		Kellys Plain Creek, downstream of accommodation camp and laydown areas, labelled EPL30 in "the Plan".
31	Surface Water TANTANGARA		Kellys Plain Creek, upstream of accommodation camp and laydown areas, labelled EPL31 in "the Plan".
32	Surface Water TANTANGARA		Up-gradient reservoir monitoring location, which includes real-time monitoring buoy location TAN_DS and labelled EPL32 in "the Plan".

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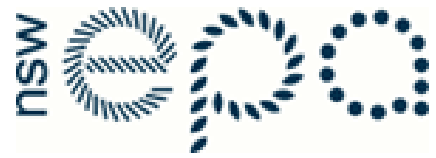
33	Surface Water TANTANGARA		Murrumbidgee River, downstream of Tantangara reservoir outlet labelled EPL33 in "the Plan".
34	Surface Water TANTANGARA		Nungar Creek, upstream of Tantangara Road labelled EPL34 in "the Plan".
35	Surface Water TANTANGARA		Nungar Creek, downstream of Tantangara Road labelled EPL35 in "the Plan".
36	Surface Water ROCK FOREST		Camerons Creek, upstream of works in Rock Forest, labelled EPL36 in "the Plan".
37	Surface Water ROCK FOREST		Camerons Creek, downstream of works in Rock Forest, labelled EPL37 in "the Plan".
38	Surface Water TANTANGARA		Tantangara Reservoir, between emplacement area and ancillary facilities for emplacement activities. Variable location dependant on tide and reservoir levels. Labelled EPL38 in "the Plan".
39	Surface Water TANTANGARA		Confluence of Nungar Creek and Tantangara Reservoir, upstream of Tantangara construction works. Variable location dependent on tide and reservoir levels. Labelled EPL39 in "the Plan".

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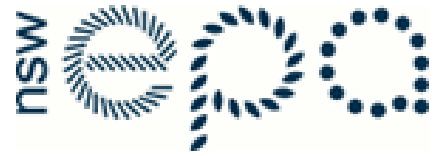
40	Surface Water TANTANGARA		Confluence of the upper Murrumbidgee River and Tantangara Reservoir, upstream of works. Variable location dependent on tide and reservoir levels. Labelled EPL40 in "the Plan".
41	Reverse Osmosis Plant TALBINGO		Lobs Hole Reverse Osmosis Plant Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir. Labelled EPL41 in "the Plan".
42		Discharge to waters TALBINGO	Diffuser outlet discharging into Talbingo Reservoir from Lobs Hole STP/WTP, labelled EPL42 in "the Plan".
43	Volume outflow TALBINGO		Lobs Hole STP/WTP Final Volume Monitoring Point, downstream of final treatment, prior to discharge to Talbingo Reservoir. Labelled EPL43 in "the Plan".
46		Discharge to waters TANTANGARA	Diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP, labelled EPL46 in "the Plan".
50	Reverse Osmosis Plant TANTANGARA		Tantangara Reverse Osmosis Plant final effluent quality and volume monitoring point, downstream of final

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			treatment, prior to discharge to Tantangara reservoir. Labelled EPL50 in "the Plan".
51	Surface Water TANTANGARA		Tantangara Reservoir, downstream of Tantangara STP/WTP diffuser outlet. Labelled EPL51 in "the Plan".
52	Surface Water LOBS HOLE		Talbingo Reservoir, upstream of GF01 emplacement area GFO1 Leachate Basin, labelled EPL52 in "the Plan".
55	Surface Water LOBS HOLE		Yarrangobilly River, downstream of GF01 emplacement area, labelled EPL55 in "the Plan".
56	Groundwater LOBS HOLE		Groundwater upgradient (E) of GF01 emplacement area, labelled EPL56 in "the Plan".
57	Groundwater LOBS HOLE		Groundwater upgradient (W) of GF01 emplacement area, labelled EPL57 in "the Plan".
58	Groundwater LOBS HOLE		Groundwater downgradient of GF01 emplacement area, labelled EPL58 in "the Plan".
59	Surface Water TANTANGARA		Tantangara Leachate Basin Tan-SW-SB1, labelled EPL59 in "the Plan".

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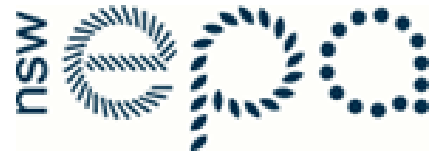
60	Surface Water TANTANGARA		Tantangara Leachate Basin Tan-SW-SB2, labelled EPL60 in "the Plan".
61	Surface Water TANTANGARA		Tantangara Leachate Basin Tan-SW-SB3, labelled EPL61 in "the Plan".
62	Surface Water TANTANGARA		Tantangara Leachate Basin Tan-SW-SB4, labelled EPL62 in "the Plan".
63	Surface Water TANTANGARA		Tantangara Leachate Basin Tan-SW-SB5, labelled EPL63 in "the Plan".
64	Groundwater MARICA		Groundwater downgradient of the Marica TSE, labelled EPL64 in "the Plan".
65	Groundwater MARICA		Groundwater downgradient of the Marica TSE, labelled EPL65 in "the Plan".
66	Groundwater MARICA		Groundwater downgradient of the Marica TSE, labelled EPL66 in "the Plan".
67	Surface Water TANTANGARA		Nungar Creek downstream west from Tantangara emplacement area, labelled EPL67 in "the Plan".
68	Groundwater TANTANGARA		Groundwater downgradient (E) of Tantangara emplacement area, labelled EPL68 in "the Plan".

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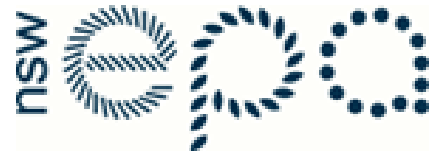
69	Groundwater TANTANGARA		Groundwater downgradient (W) of Tantangara emplacement area, labelled EPL69 in "the Plan".
70	Groundwater TANTANGARA		Groundwater upgradient of Tantangara emplacement area, labelled EPL70 in "the Plan".
71	Surface Water MARICA		Surface water downstream of Marica emplacement area, labelled EPL71 in "the Plan".
72	Groundwater MARICA		Groundwater upgradient of Marica emplacement area, labelled EPL72 in "the Plan".
76	Surface Water ROCK FOREST		Rock Forest Leachate Basin, labelled EPL76 in "the Plan".
80	Groundwater LICK HOLE GULLY		Groundwater upgradient of Lick Hole Gully, labelled EPL80 in "the Plan".
81	Groundwater LICK HOLE GULLY		Groundwater downgradient of Lick Hole Gully, labelled EPL81 in "the Plan".
82	Groundwater MAIN YARD		Groundwater upgradient of Main Yard emplacement area, labelled EPL82 in "the Plan".
83	Groundwater MAIN YARD		Groundwater downgradient of Main Yard emplacement area,

Environment Protection Licence

			labelled EPL83 in "the Plan".
84	Surface Water MAIN YARD		Main Yard leachate basin F8, labelled EPL84 in "the Plan".
85	Surface Water MAIN YARD		Main Yard leachate basin MY07, labelled EPL85 in "the Plan".
86	Surface Water LICK HOLE GULLY		Lick Hole Gully leachate basin LHG01, labelled EPL86 in "the Plan".
87	Groundwater MAIN YARD		Groundwater downgradient of Main Yard emplacement area, labelled EPL87 in "the Plan".
88	Groundwater MAIN YARD		Groundwater downgradient from Main Yard emplacement area, labelled EPL88 in "the Plan".
89	Groundwater LICK HOLE GULLY		Groundwater downgradient of MY/LHG emplacement area, labelled EPL89 in "the Plan".
90	Groundwater GF01		Groundwater downgradient of GF01 emplacement area, labelled EPL90 in "the Plan".
91	Groundwater GF01		Groundwater downgradient of GF01 emplacement area, labelled EPL91 in "the Plan".

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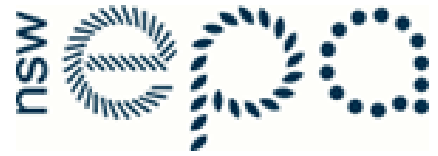
92	Groundwater GF01		Groundwater downgradient of GF01 emplacement area, labelled EPL92 in "the Plan".
93	Groundwater GF01		Groundwater downgradient of GF01 emplacement area, labelled EPL93 in "the Plan".
94	Groundwater GF01		Groundwater downgradient of GF01 emplacement area, labelled EPL94 in "the Plan".
95	Groundwater GF01		Groundwater downgradient of GF01 emplacement area, labelled EPL95 in "the Plan".
97	Groundwater GF01		Groundwater downgradient of GF01 emplacement area, labelled EPL97 in "the Plan".
98	Surface Water GF01		Rock blanket diversion outlet at GF01 Leachate Basin, labelled EPL98 in "the Plan".
99	Surface Water MARICA		Marica Leachate basin - Turkey's Nest, labelled EPL99 in "the Plan".
100	Surface Water MARICA		Marica Lower Leachate Basin USS Shaft, labelled EPL100 in "the Plan".
101	Surface Water MARICA		Marica Leachate Basin Spoil Pad, labelled EPL101 in "the Plan".

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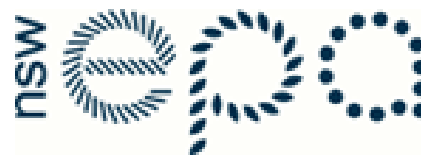
103	Groundwater TANTANGARA		Groundwater upgradient (W) of Tantangara emplacement area, labelled EPL103 in "the Plan".
104	Groundwater TANTANGARA		Groundwater downgradient (E) of Tantangara emplacement area, labelled EPL104 in "the Plan".
105	Groundwater TANTANGARA		Groundwater downgradient (W) of Tantangara emplacement area, labelled EPL105 in "the Plan".
106	Surface Water RAVINE BAY		Ravine Bay Leachate basin 1, labelled EPL106 in "the Plan".
107	Surface Water RAVINE BAY		Talbingo Reservoir, upstream monitoring of Ravine Bay emplacement area, labelled EPL107 in "the Plan".
108	Surface Water RAVINE BAY		Ravine Bay emplacement area (centre of PSE) within Talbingo Reservoir, labelled EPL108 in "the Plan".
109	Surface Water RAVINE BAY		Talbingo Reservoir, upstream of Ravine Bay emplacement area, labelled EPL109 in "the Plan".
110	Surface Water RAVINE BAY		Drainage line, upstream of Ravine Bay emplacement area, labelled EPL110 in "the Plan".

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113	Groundwater RAVINE BAY		Groundwater upgradient (E) of Ravine Bay emplacement area, labelled EPL113 in "the Plan".
114	Groundwater RAVINE BAY		Groundwater upgradient (W) of Ravine Bay emplacement area, labelled EPL114 in "the Plan".
115	Groundwater RAVINE BAY		Groundwater downgradient (E) of Ravine Bay emplacement area, labelled EPL115 in "the Plan".
116	Groundwater RAVINE BAY		Groundwater downgradient (W) of Ravine Bay emplacement area, labelled EPL116 in "the Plan".
117	Groundwater RAVINE BAY		Groundwater downgradient of the Ravine Bay emplacement area, labelled EPL117 in "the Plan".
118	Surface Water RAVINE BAY		Ravine Bay Leachate basin 2, labelled EPL118 in "the Plan".
119	Surface Water RAVINE BAY		Ravine Bay Leachate basin 3, labelled EPL119 in "the Plan".
120	Surface Water RAVINE BAY		Ravine Bay Leachate basin 4, labelled EPL120 in "the Plan".
122	Surface Water GFO1		Drainage Line downstream of GF01, upgradient of confluence with Talbingo Reservoir

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			labelled EPL122 in "the Plan".
123	Groundwater ROCK FOREST		Groundwater upgradient (W) of the Rock Forest PSE labelled EPL123 in "the Plan".
124	Groundwater ROCK FOREST		Groundwater upgradient (NE) of the Rock Forest PSE labelled EPL124 in "the Plan".
125	Groundwater ROCK FOREST		Groundwater downgradient (S) of the Rock Forest PSE labelled EPL125 in "the Plan".
126	Groundwater ROCK FOREST		Groundwater downgradient (SE) of the Rock Forest PSE labelled EPL126 in "the Plan".
127	Groundwater ROCK FOREST		Groundwater downgradient of the Rock Forest PSE labelled EPL127 in "the Plan".
128	Surface Water RAVINE BAY		Ephemeral Creek line, downstream Ravine Bay emplacement area, north of the New Access Roadway, labelled EPL128 in the "Plan".
129	Monitoring Bouy TANTANGARA		Profiling (vertical profiling) buoy, labelled EPL129 in the "Plan".
130	Monitoring Bouy TALBINGO		Profiling (vertical profiling) buoy, labelled EPL130 in the "Plan".



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

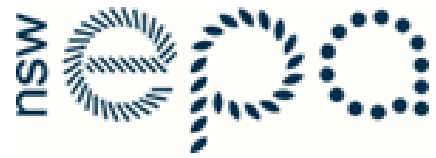
- L2.1** For each monitoring/discharge point or utilisation area specified in the table/s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.
- L2.2** Where a 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 41

Pollutant	UOM	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Electrical conductivity	microsiemens per centimetre				700

POINT 41,50

Pollutant	UOM	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
BOD	milligrams per litre		3.5		5
Nitrogen (total)	milligrams per litre		1.5		3
Phosphorus (total)	milligrams per litre		0.3		0.5

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Faecal Coliforms	colony forming units per 100 millilitres		10		100
pH	pH				6.5-8.5
Nitrogen (ammonia)	milligrams per litre		1.0		2
Total suspended solids	milligrams per litre		5		10
Oil and Grease	milligrams per litre		2		5

POINT 50

Pollutant	UOM	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Electrical conductivity	microsiemens per centimetre				200

L2.5 Concentration Limits for Total Nitrogen, Ammonia, Total Phosphorus and Biochemical Oxygen Demand are only valid for a trial period of until **31 December 2026**.

L3 Volume and mass limits

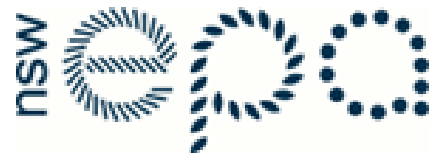
L3.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:

- 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 43,50

Limits Unit of measure	Volume/Mass Limit
megalitres per day	4.32



L3.2 For each discharge point or utilisation area specified below (by a point number), the flow rate of:

a) liquids discharged to water; or

b) solids or liquids applied to the area; must not exceed the flow rate specified by that discharge point or area.

Point	Unit of Measurement	Flow rate
43, 50	litres per second	50 litres per second

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.

This includes:

a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and

b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:

a) must be maintained in a proper and efficient condition; and

b) must be operated in a proper and efficient manner.

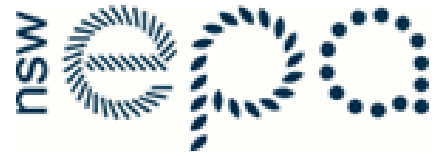
O3 Dust

O3.1 All operations and activities occurring at the premises must be carried out in a manner that minimises or prevents the emission of dust from the premises.

O4 Waste management

O4.1 The licensee must assess, classify and manage any waste generated at the premises in accordance with the Waste Classification Guidelines 2014 and the Act. Waste must be transported to a place that can lawfully accept that waste.

O4.2 Spoil material generated at the Premises can be transported on public roads between parts of the Premises providing that the material is not stored or placed outside of the Premises at any time. The transport of this waste must comply with the Protection of the Environment Operations (Waste) Regulation 2014.



O5 Other operating conditions

Spoil Characterisation

- O5.1** The Licensee must ensure that all samples collected for spoil characterisation are:
- a. representative of the material currently being extracted from the specific area of the tunnel;
 - b. representative of the material contained in the 10m advance (currently defined block);
 - c. is not skewed by veins; and
 - d. corresponds to the material placed on the emplacement area.

Spoil Treatment

- O5.2** All treatment of spoil including but not limited to the temporary storage of spoil, and treatment of Potentially Acid Forming (PAF) material and material at risk of resulting in Acid Mine Drainage or Neutral Mine Drainage, must be undertaken in a manner that:
- a. achieves permanent neutralisation of the material;
 - b. prevents pollution of waters; and
 - c. prevents contamination of land.

- O5.3** The Licensee must validate that all treated spoil material meets the requirements of condition O5.2.

Spoil Emplacement

- O5.4** All spoil material must be emplaced in a manner that minimises air flow capacity and maximises neutralisation.

Spoil Leachate Management

- O5.5** The Licensee must:
- a) implement and maintain a leachate detection procedure that provides practical guidance for the detection of leachate from the emplacement areas at the Premises
 - b) review the leachate detection procedure(s) at least every 12 months to ensure it still meets the requirements of point a) above
- O5.6** Within 2 weeks of developing or updating any leachate detection procedure, the Licensee must inform the EPA about any changes made to info@epa.nsw.gov.au.

Spoil Management Contingencies

- O5.7** The Licensee must maintain and implement a contingency plan in the event that characterisation, treatment, emplacement or leachate management does not meet the appropriate thresholds within the QAQC plan.

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.

Environment Protection Licence

- 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 1,2,4,25

Pollutant	UOM	Frequency	Sampling Methods
Aluminium (dissolved)	micrograms per litre	Quarterly	Grab sample
Copper (dissolved)	micrograms per litre	Quarterly	Grab sample
Dissolved Oxygen	percent saturation	Quarterly	In situ
Electrical conductivity	microsiemens per centimetre	Quarterly	In situ
Iron (dissolved)	micrograms per litre	Quarterly	Grab sample
Lead (dissolved)	micrograms per litre	Quarterly	Grab sample
Manganese (dissolved)	micrograms per litre	Quarterly	Grab sample
Nickel (dissolved)	micrograms per litre	Quarterly	Grab sample
Nitrate	micrograms per litre	Quarterly	Grab sample
Nitrite	micrograms per litre	Quarterly	Grab sample
Nitrogen (total)	micrograms per litre	Quarterly	Grab sample
Oxidation Reduction Potential	millivolts	Quarterly	In situ

Environment Protection Licence

Reactive Phosphorus	micrograms per litre	Quarterly	Grab sample
Turbidity	nephelometric turbidity units	Quarterly	In situ
Zinc (dissolved)	micrograms per litre	Quarterly	Grab sample

POINT 10,11,28,41,50,51

Pollutant	UOM	Frequency	Sampling Methods
BOD	milligrams per litre	Monthly	Grab sample
Faecal Coliforms	colony forming units per 100 millilitres	Monthly	Grab sample

POINT 5,6,8,9,10,11,12,14,15,16,24,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,50,51,52,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,76,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,97,98,99,100,101,103,104,105,106,107,108,109,110,113,114,115,116,117,118,119,120,122,123,124,125,126,127

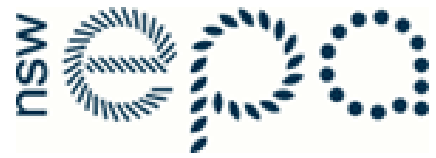
Pollutant	UOM	Frequency	Sampling Methods
Aluminium (dissolved)	micrograms per litre	Monthly	Grab sample
Aluminium (total)	micrograms per litre	Monthly	Grab sample
Ammonia	micrograms per litre	Monthly	Grab sample
Arsenic (dissolved)	micrograms per litre	Monthly	Grab sample
Calcium	micrograms per litre	Monthly	Grab sample
Chromium (dissolved)	micrograms per litre	Monthly	Grab sample
Chromium (total)	micrograms per litre	Monthly	Grab sample
Copper (dissolved)	micrograms per litre	Monthly	Grab sample
Cyanide (total)	micrograms per litre	Monthly	Grab sample
Dissolved organic carbon	milligrams per litre	Monthly	Grab sample
Hardness (as calcium carbonate)	milligrams per litre	Monthly	Grab sample

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Iron (dissolved)	micrograms per litre	Monthly	Grab sample
Lead (dissolved)	micrograms per litre	Monthly	Grab sample
Magnesium	micrograms per litre	Monthly	Grab sample
Manganese (dissolved)	micrograms per litre	Monthly	Grab sample
Nickel (dissolved)	micrograms per litre	Monthly	Grab sample
Nitrite	micrograms per litre	Monthly	Grab sample
Nitrogen (total)	micrograms per litre	Monthly	Grab sample
Oil and Grease	milligrams per litre	Monthly	Grab sample
Oxidation Reduction Potential	millivolts	Monthly	In situ
Phosphorus (total)	micrograms per litre	Monthly	Grab sample
Reactive Phosphorus	micrograms per litre	Monthly	Grab sample
Total Iron	micrograms per litre	Monthly	Grab sample
Total Kjeldahl Nitrogen	micrograms per litre	Monthly	Grab sample
Total manganese	micrograms per litre	Monthly	Grab sample
Total suspended solids	milligrams per litre	Monthly	Grab sample
Zinc (dissolved)	micrograms per litre	Monthly	Grab sample

POINT 5, 6, 8, 9, 10, 11, 12, 14, 15, 16, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 50, 51, 52, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 76, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 97, 98, 99, 100, 101, 103, 104, 105, 106, 107, 108, 109, 110, 113, 114, 115, 116, 117, 118, 119, 120, 122, 123, 124, 125, 126, 127, 129, 130

Pollutant	UOM	Frequency	Sampling Methods
Dissolved Oxygen	percent saturation	Monthly	In situ
Electrical conductivity	microsiemens per centimetre	Monthly	In situ
Nitrate	micrograms per litre	Monthly	Grab sample
pH	pH	Monthly	In situ

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Turbidity	nephelometric turbidity units	Monthly	In situ
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POINT 5, 6, 8, 9, 10, 11, 12, 14, 15, 16, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 50, 51, 55, 71, 98, 107, 108, 109, 110, 122, 129, 130

Pollutant	UOM	Frequency	Sampling Methods
Chlorophyll a	micrograms per litre	Monthly	Grab sample

POINT 5, 6, 8, 9, 10, 11, 12, 14, 15, 16, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 50, 51, 52, 55, 59, 60, 61, 62, 63, 67, 71, 76, 84, 85, 86, 98, 99, 100, 101, 106, 107, 108, 109, 110, 118, 119, 120, 122, 129, 130

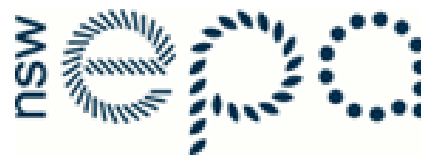
Pollutant	UOM	Frequency	Sampling Methods
Temperature	degrees Celsius	Monthly	In situ

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.
- M3.2** Condition M3.1 also applies to the monitoring of any points identified in Condition M2.2

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:
- the date and time of the complaint;
 - the method by which the complaint was made;
 - any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
 - the nature of the complaint;
 - the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
 - if no action was taken by the licensee, the reasons why no action was taken.
- 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 immediately from 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 43,50

Frequency	Monitoring unit of measure	Monitoring method
Continuous	megalitres per day	Ultrasonic flow meter

Note: The licensee may use a mechanical flow meter to monitor volume in the event of an ultrasonic flow meter failure.

6 Reporting Conditions

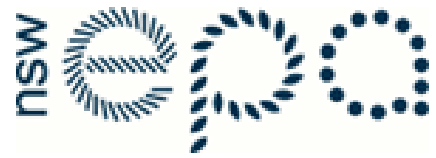
R1 Compliance, and annual reporting requirements

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):

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- 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.

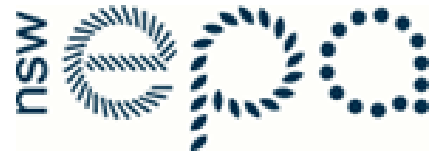
The pollution monitoring data summary for the reporting period must be supplied to the EPA via the EPA's online digital portal by the "due date", as defined in the dictionary at the end of this licence.

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.

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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.

Note: The Licensee or its employees (including any contractors engaged to undertake works on the Premises on behalf of the Licensee) must provide the EPA with comprehensive sampling results immediately after quality assurance quality control processes are completed, but no later than 14 days upon receipt of the results relating to any incidents notified in accordance with condition R2 of the Licence.

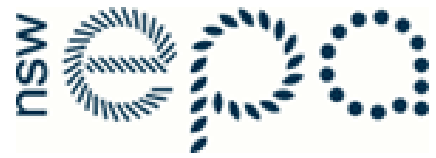
R3 Written report

- 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

Environmental Monitoring Report

- R4.1** By **30 June** each year, the Licensee must submit an Environmental Monitoring Report which covers the preceding period of 1 December - 31 May, unless otherwise agreed in writing by the EPA.
- R4.2** By **15 January** each year, the Licensee must submit an Environmental Monitoring Report which covers the preceding period of 1 June - 30 November, unless otherwise agreed in writing by the EPA.

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- R4.3** The Environmental 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 the relevant preceding period nominated in Condition R4.2 and R4.3;
 - b) results of all weather monitoring undertaken in the relevant preceding period nominated in Condition R4.2 and R4.3;
 - c) assessment of historical trends in all water sampling data for each monitoring point inclusive of the relevant preceding period nominated in Condition R4.2 and R4.3;
 - d) identification of instances where the water quality objective triggers for each relevant pollutant were exceeded at receiving water locations and/or where the predicted discharge water quality was exceeded at sediment basin discharge points;
 - e) include details of any actions taken by the Licensee in response to exceedances identified under point (d), including but not limited to:
 - i. additional monitoring
 - ii. remedial actions; and
 - iii. activation of trigger, action, response plans (TARPs);
 - f) recommendations for future actions in relation to monitoring and/or management
 - g) identification of any water quality monitoring that was not completed in compliance with Condition M2.2. This must include an appropriate justification for the non-compliance.

7 General Conditions

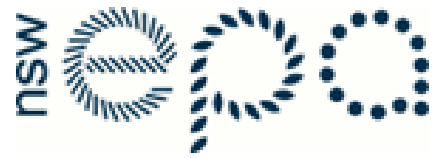
G1 Copy of licence kept at the premises or plant

- G1.1** A copy of this licence must be kept at the premises to which the licence applies.
- G1.2** The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.3** The licence must be available for inspection by any employee or agent of the licensee working at the premises.

G2 Other general conditions

G2.1 Completed Programs

Program	Description	Completed Date
PRP 1 - Assessment of the water and contaminant management system at MAT spoil stockpile area	PRP to assess the water management system at MAT spoil stockpile area with a view of improving water management outcomes. PRP identified all CoC associated with TBM and stockpile placement and both short and long-term controls to be implemented in the future.	29/04/2022



PRP 2 - Diffuse Source Water Pollution Management	Licensee must undertake an assessment of all controls employed to manage the risk of diffuse source water pollution across the Premises.	24/01/2024
PRP 3 - Generator emission improvements program	A program to improve emissions from generators or decommission generators in accordance with the Clean Air Regulation.	9/02/2024
PRS 4 - Review of Process Water Treatment Plant	Program requires the Licensee to undertake an assessment of the PWTPs at the premises and make recommendations on improvements	3/07/2024
PRS 5 - Sampling Quality Assurance Quality Control Program	Program requires the Licensee to undertake an assessment of current water quality sampling methodology and make improvements. Includes provisions for a QAQC program.	29/05/2024

8 Pollution Studies and Reduction Programs

U1 Assessment of Water Reuse and Basin Maintenance Activities

U1.1 The Licensee (and/or persons conducting business on behalf of the Licensee) must complete a staged assessment and improvement program for all water reuse activities and basin management activities undertaken on the Premises to manage project-impacted water.

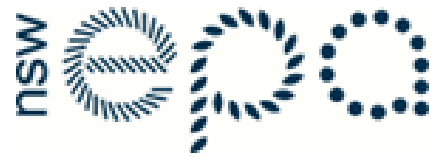
Stage 2 and Stage 3 of the program must be undertaken by a suitably qualified and independent person(s) approved in consultation with the EPA and must be completed in accordance with the stages, content and schedule specified below.

Stage 1 - Data Collection and Description (Complete)

U1.2 Under Stage 1 of this program the Licensee will:

1. Compile and consolidate all relevant information pertaining to water reuse activities (such as water cart spraying, irrigation, and concrete batching) and basin maintenance (including sediment basins, leachate basins, sumps, and associated drainage infrastructure) undertaken at the Premises.
2. Identify and describe all components of the water reuse and basin maintenance management system, including associated governance arrangements and infrastructure.

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3. Identify and document all incidents that occurred within the past twelve months due to issues related to basin maintenance or water reuse activities.

4. Spatially represent (in digital format) all water reuse systems, basin infrastructure and surrounding tributaries and / or downgradient environmental receptors potentially impacted by reuse activities.

U1.3 The Licensee must complete a final report documenting the findings of Condition U1.2 above. The report must be submitted to info@epa.nsw.gov.au. (completed)

Stage 2 - Suitability Assessment

U1.4 Under Stage 2 of this program the Licensee will:

1. Assess the suitability and adequacy of all water reuse and basin maintenance activities, and associated governance frameworks.
2. Identify potential risks to tributaries and/or downgradient environmental receptors from water reuse and basin management activities.
3. Identify key gaps, risks, and improvement opportunities within existing systems and provide feasible implementation recommendations.

U1.5 By 18 January 2027, the Licensee must complete a final Suitability Assessment Report documenting the findings of Condition U1.4 above. The report must be submitted to info@epa.nsw.gov.au.

Stage 3 - Management Plan Provision

U1.6 Under Stage 3 of this program the Licensee will develop an Water Reuse Management Plan that outlines feasible short, medium, and long-term actions to address key gaps, risks, and improvement opportunities identified during Stage 2, with indicative implementation timeframes assigned to each action.

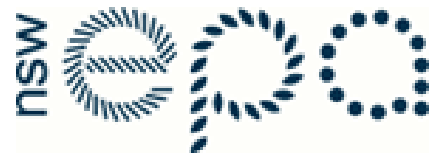
U1.7 By 2 May 2027, the Licensee must submit the final Water Reuse Management Plan required under U1.6. The report must be submitted to info@epa.nsw.gov.au.

9 Special conditions

E1 Lining requirements for the Ravine Bay, Tantangara and Rock Forest Permanent Spoil Emplacement Areas

E1.1 Prior to the emplacement of spoil at Ravine Bay, Tantangara and Rock Forest Permanent Spoil Emplacement Areas (PSE), the Licensee must install a suitable engineered liner and drainage system that achieves a safe, stable and non-polluting landform, and separates any potential leachate from groundwater. The Licensee must:

1. evaluate and identify a suitable engineered liner and drainage system that achieves the aforementioned outcomes;
2. provide the EPA with the drainage design and technical liner specifications, including



Construction Quality Assurance (CQA) plan and detailed design prior to installation;

3. design, construct, install and operate the liner and drainage system in accordance with the design specifications, including the CQA plan;

4. engage an independent and suitably qualified person/s to develop a CQA report to verify that all liner and drainage construction and installation is in accordance with the design specifications committed to under point 2 above; and

5. in the event that a CQA report developed in accordance with point 4 above identifies that liner and drainage construction and installation is not in accordance with the design specifications committed to under point 2 above, the Licensee must immediately notify the EPA via info@epa.nsw.gov.au

E2 Capping Requirements for the Ravine Bay, Tantangara and Rock Forest Permanent Spoil Emplacement Areas

E2.1 Prior to the rehabilitation of the Ravine Bay, Tantangara and Rock Forest Permanent Spoil Emplacement Areas (PSE), the Licensee must install a safe, stable and non-polluting landform that encapsulates the PSEs. The capping layer must achieve a safe, stable and non-polluting landform. The Licensee must

1. evaluate and identify a suitable capping methodology that achieves the aforementioned outcomes;
2. provide the EPA with the final technical capping design specifications, including appropriate Quality Assurance (QA) and Quality Control (QC) plans and detailed design specifications prior to installation;
3. design, construct, and install the capping system in accordance with the design specifications; and,
4. provide QA/QC reports prepared by a suitably qualified person to the EPA following completion of the capping layer verifying achievement of the design specifications.

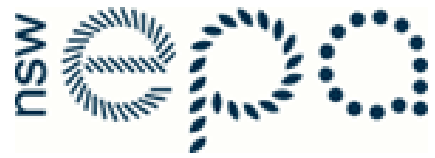
E3 Nitrogen Management Plan

E3.1 The licensee must prepare a Nitrogen Management Plan when undertaking blasting operations on the premises using Ammonium Nitrate Fuel Oil (ANFO) explosives or emulsions.

E3.2 The Nitrogen Management Plan must be developed in consultation with the EPA and must:

1. Specify how ANFO explosives will be selected, handled and used at the premises to minimise the impact of nitrate residues upon the surrounding environment;
2. Specify how nitrate residues from blasting activities will be monitored and managed by the licensee;
3. Specify arrangements for a suitable water sampling regime of surface water and ground water in the vicinity of all waste rock emplacement areas;
4. Specify how waste rock emplacement areas will be monitored, characterised and managed by the licensee;
5. Specify how surface and groundwater impacts will be monitored and managed by the licensee.

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6. Specify what remediation measures will be undertaken by the licensee in relation to any elevated nitrate residue levels; and
7. Consider and include monitoring for all forms of nitrogen residues in soils, water and groundwater.

E3.3 The licensee must comply with the Nitrogen Management Plan.

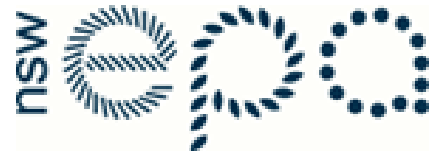
E3.4 The licensee must monitor its compliance performance with the Nitrogen Management Plan and report any non-compliances to the EPA immediately.

E4 Reservoir discharge limit validation and nutrient loading monitoring program

E4.1 By 30 October 2026, the Licensee must submit a *Validation Report* for the *Reservoir Discharge Limit Validation Monitoring Program* (provided to the EPA on 26 November 2025) to the EPA. The program and Validation Report must, at a minimum:

1. Be designed to validate the modelling and assumptions presented in the document titled '*Snowy 2.0 Waste and Process Water Mixing Zone Assessment*'.
2. Monitor discharge volumes, flow rates, and water quality parameters relevant to the mixing zone.
3. Include a *Nutrient Loading Monitoring Program* to assess potential nutrient contributions from reservoir discharges. The program must include, but not be limited to:
 - a. Monitoring of Total Nitrogen and Total Phosphorus concentrations and loads within the reservoirs.
 - b. Consider seasonal and environmental factors influencing nutrient dynamics.

Note: Once reviewed the EPA intends to incorporate the relevant programs and reporting requirements on the Licence.

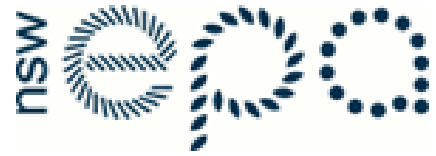


Dictionary

General Dictionary

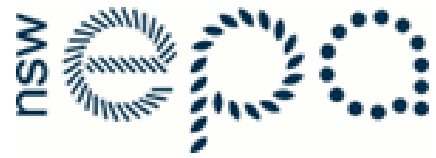
3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection 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 <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

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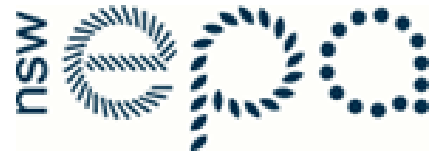
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
due date	Means: i) not later than 60 days after the 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

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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.

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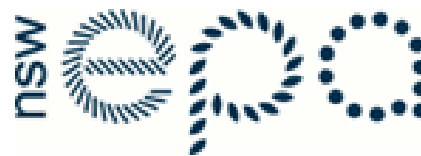
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 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

Jenny Lange

Unit Head Operations PLC

ENVIRONMENT PROTECTION AUTHORITY NSW

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End Notes

Licence varied by notice POEO-3539, issued on 25-08-2026

Licence varied by notice POEO-2563, issued on 09-06-2026

Licence varied by notice POEO-2563, issued on 09-06-2026

Licence varied by notice 1654401 issued on 01-Apr-2026

Licence varied by notice 1653201 issued on 26-Sep-2025

Licence varied by notice 1648456 issued on 23-Jul-2025

Licence varied by notice 1638603 issued on 20-Dec-2024

Licence varied by notice 1634101 issued on 28-Mar-2024

Licence varied by notice 1626611 issued on 06-Jun-2023

Licence varied by notice 1622035 issued on 05-Oct-2022

Licence varied by notice 1620013 issued on 06-Jul-2022

Licence varied by notice 1619252 issued on 31-May-2022

Licence varied by notice 1618696 issued on 13-May-2022

Licence varied by notice 1615931 issued on 09-Feb-2022

Licence varied by notice 1615458 issued on 14-Jan-2022

Licence varied by notice 1612017 issued on 30-Aug-2021

Licence varied by notice 1604232 issued on 08-Apr-2021

Licence varied by notice 1602469 issued on 18-Dec-2020

Licence varied by notice 1601912 issued on 02-Nov-2020

Licence varied by notice 1600132 issued on 16-Oct-2020

Licence varied by notice 1592566 issued on 08-Apr-2020

Licence varied by notice 1592053 issued on 02-Mar-2020

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