Permit

Environmental Protection Act 1994

Environmental authority EPPR00707213

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Environmental authority number: EPPR00707213

Environmental authority takes effect on **20 November 2025.**

The anniversary date of this environmental authority is 1 January each year.

Environmental authority holder(s)

Name(s)	Registered address
CALLIDE POWER MANAGEMENT PTY. LIMITED	Level 26 400 George St BRISBANE CITY QLD 4000

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 62 - Resource recovery and transfer facility operation - 1(d) - Operating a facility for receiving and sorting, dismantling, baling or temporarily storing category 1 regulated waste	1/RP615528
ERA 14 - Electricity generation - 2(b) - Generating electricity by using a fuel, other than gas, at a rated capacity of more than 150MW electrical	1/RP615528
ERA 62 - Resource recovery and transfer facility operation - 1(d) - Operating a facility for receiving and sorting, dismantling, baling or temporarily storing category 1 regulated waste	4/SP103557
ERA 14 - Electricity generation - 2(b) - Generating electricity by using a fuel, other than gas, at a rated capacity of more than 150MW electrical	4/SP103557

Queensland Government

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Mobile and temporary activities

If you operate a mobile and temporary environmentally relevant activity (ERA), other than regulated waste transport, you are required to maintain a work diary. You must:

- use the approved form for a work diary (ESR/2015/1696);
- keep the work diary records for 2 years after the last entry;
- inform the administering authority within 7 days of the work diary being lost or stolen;
- record the information required in the work diary for each location within 1 day of leaving the location.

Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days)

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term ‘duty to notify’.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority - on the nominated day; or

b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or

c) otherwise - on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.



Signature

20 November 2025

Date

Helena Braye
Department of the Environment, Tourism, Science and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Energy and Extractive Resources
GPO Box 2454, BRISBANE QLD 4001
Phone: (07) 3330 5715
Email: EnergyandExtractive@detsi.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access State controlled roads), the Department of Resources (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Schedule 2A – General Conditions	
Condition number	**Condition**
Access to Copy of Environmental Authority	
2(A1)	A copy of this Environmental Authority must be kept in a location readily accessible to personnel carrying out the activity.
Records	
2(A2)	Any record or document required to be kept by a condition of this Environmental Authority must be kept at the licensed place for a period of at least five years and be available for examination by an authorised person. For daily and weekly records, the record retention requirement of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period. The records are to be kept either electronically or on paper.
Monitoring and Measurements	
2(A3)	All determinations of the quality of contaminants released to the environment and all measurement and reporting required by this Environmental Authority must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required determinations and the required measurements.
Environmental Management System (EMS)	
2(A4)	The holder of this Environmental Authority must: a) By the date of First Commercial Load, implement an Environmental Management System which provides for the following functions: i. the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and ii. staff training and awareness of environmental issues; and iii. the conduct of environmental and energy audits; and iv. waste prevention, treatment and disposal.
2(A5)	A copy of the Environmental Management System must be kept in a location readily accessible to personnel carrying out the activity.

<table>
<tr><th colspan="2">Schedule 2B – Air</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td colspan="2">Release of Contaminants to the Atmosphere</td></tr>
<tr><td>2(B1)</td><td>Except as otherwise provided by conditions 2(B8) and 2(B9), contaminants resulting from the operation of the sources described in Table 1 of Schedule 2B must only be released to the atmosphere from those release points specified in Table 1 of Schedule 2B.

Schedule 2B – Table 1
<table>
<tr><th>Release point number</th><th>Source description</th><th>Minimum release height (metres)</th><th>Minimum efflux velocity (metres/second) @maximum continuous rating</th></tr>
<tr><td>SC1(1)</td><td>Callide Power Plant Unit 3 Flue</td><td>230</td><td>23(3)</td></tr>
<tr><td>SC2(2)</td><td>Callide Power Plant Unit 4 Flue</td><td>230</td><td>23</td></tr>
</table>
Note 1. SC1 means the flue attached to unit 3.
Note 2. SC2 means the flue attached to unit 4.
Note 3. Efflux velocity is a calculated value exiting the stack.

The Callide Power Plant stack includes two flues within a single structure.</td></tr>
<tr><td>2(B2)</td><td>Contaminants released from each release point specified in Table 1 of Schedule 2B must be directed vertically upwards without any impedance or hindrance.</td></tr>
</table>

<table>
<tr><td>2(B3)</td><td>Contaminants must be released to the atmosphere from a release point at a height not less than the corresponding height stated for that release point in Table 1 of Schedule 2B. During normal unit operating conditions the contaminant concentrations must not exceed those stated in Table 2 of Schedule 2B for the contaminants identified in in Table 2 of Schedule 2B.

Schedule 2B – Table 2
<table>
<tr><th>Contaminant</th><th>Release point number</th><th>Release limit @ maximum continuous rating</th><th>Limit type</th><th>Release limit units</th></tr>
<tr><td>NOx(4)</td><td>SC1, SC2</td><td>0.8</td><td>Absolute maximum</td><td>g/m^3</td></tr>
<tr><td>Particulates</td><td>SC1, SC2</td><td>0.08</td><td>Absolute maximum</td><td>g/m^3</td></tr>
</table>
Note 4. The above measurements are based on Nitrogen Oxides Calculated as NO_2 at a 7% Oxygen reference level and particulates at a 12% CO_2 reference level.</td></tr>
<tr><td>2(B4)</td><td>Contaminants must be released to the atmosphere from a release point at a velocity not less than the corresponding velocity stated for that release point in Table 1 of Schedule 2B.</td></tr>
<tr><td colspan="2">Dust Control</td></tr>
<tr><td>2(B5)</td><td>The holder of this Environmental Authority must take reasonable and practicable measures to minimise the release of dust and particulate matter to the atmosphere.</td></tr>
<tr><td colspan="2">Fuel Burning</td></tr>
<tr><td>2(B6)</td><td>The fuels that may be burned in the boiler are coal, natural gas, liquid petroleum gas and distillate. Recycled fuel oils and fuel oil may also be used at start up.</td></tr>
<tr><td>2(B7)</td><td>The sulphur content of any coal fuel burned in the boiler is not to exceed 0.35 percent by weight (on an As Received basis), and 0.5 percent by weight for fuel oil, on a monthly average.</td></tr>
<tr><td colspan="2">Fugitive Emissions</td></tr>
<tr><td>2(B8)</td><td>The ducting and extraction systems that transfer combustion products from one location to another must be constructed, operated and maintained so as to minimise any leakage of combustion products and vapours to the atmosphere occurring from these sources.</td></tr>
<tr><td>2(B9)</td><td>In the event of emissions of contaminants occurring from industrial plant or ducting and extraction systems that transfer combustion products from one location to another, the fault or omission that resulted in that emission must be corrected as soon as practicable.</td></tr>
</table>

Temporary Release Limits

2(B10)

Despite condition 2(B3), the following limits and durations in *Schedule 2B Table 3 – Temporary release limits* apply to a unit of the power station when a **LOR2 or LOR3 condition** has been declared by **AEMO** in a **LOR2 or a LOR3 market notice** or when an **AEMO direction** has been issued.

Schedule 2B Table 3 – Temporary release limits

Emission or release	Release limit[(1)]	Release point(s)	Duration of release limit
Particulate emissions	0.16g/m^3 (4-hour moving average)	SC1, SC2	For the duration of a **LOR2 or a LOR3 condition** declared by **AEMO** in a **LOR2 or a LOR3 market notice**, plus the 5-hour period immediately following the end of that **LOR2 or a LOR3 condition** OR The duration of an **AEMO direction**, plus the 5-hour period immediately following.
Nitrogen Oxides	1.6g/m^3	SC1, SC2	For the duration of a **LOR2 or a LOR3 condition** declared by **AEMO** in a **LOR2 or a LOR3 market notice,** plus the 2-hour period immediately following the end of that **LOR2 or a LOR3 condition** OR The duration of an **AEMO direction**, plus the 2-hour period immediately following.

[1] Limits are based on particulates calculated as a 4-hour moving average at a 12% CO_2 reference level; and Nitrogen Oxides calculated as NO_2 as a 1-hour moving average at a 7% O_2 reference level.

2(B11)

The holder of the Environmental Authority must notify the administering authority when a unit of the power station operating under an **AEMO direction** or an **LOR2 or LOR3 market notice** exceeds the release limits prescribed in Condition 2(B3) and *Schedule 2B – Table 2*:

a) no later than 72 hours after commencing releases in accordance with Condition 2(B10) and *Schedule 2B Table 3 – Temporary release limits*. The notification must include the date and time the Environmental Authority holder commenced temporary releases; and

b) no later than 72 hours after the cessation of releases conducted in accordance with Condition 2(B10) and *Schedule 2B Table 3 – Temporary release limits*. The notification must include the date and time the Environmental Authority holder ceased temporary releases and a statement of compliance stating whether the release complied with the release durations and release limits in *Schedule 2B Table 3 – Temporary release limits.*

2(B12)

Notwithstanding condition 2(B10), no environmental harm will be caused by any releases in excess of limits specified.

Schedule 2C – Water	
No conditions prescribed for this schedule.	
Schedule 2D – Stormwater Management	
Condition number	**Condition**
2(D1)	A Stormwater Management Plan must be implemented from the date of First Commercial Load through to and including decommissioning phases.
2(D2)	The Stormwater Management Plan has to adequately address at least the following issues: i. Prevention of stormwater and stormwater run-off contacting contaminated areas. ii. Diversion of upstream run-off away from contaminated areas. iii. Minimising the size of contaminated areas. iv. Cleaning of contaminated areas so that there is no contaminated run-off produced. v. Installation and maintenance of systems that minimise contamination of stormwater run-off. vi. Reuse and recycling of stormwater.
2(D3)	The Stormwater Management Plan must be reviewed every five (5) years.
2(D4)	Any contaminant treatment or containment facility must be maintained in accordance with procedures referenced in the Environmental Management System.
2(D5)	A written or electronic record of inspections and / or maintenance of contaminant treatment equipment or facilities must be maintained and kept for a minimum period of three (3) years.
2(D6)	Inspections and maintenance must be carried out by suitably qualified and / or trained personnel.
2(D7)	The maintenance and cleaning of vehicles and any other plant or equipment must be carried out in designated areas. Effluent from such wash-down areas must be directed to the Waste Containment Facility.
2(D8)	The level of contaminants in stormwater caught in bunding must be minimised prior to discharge from the site to the Waste Containment Facility.
2(D9)	There must be no release of stormwater runoff that has been in contact with any contaminants from this activity at the site to any waters beyond the boundary of Part of Lot 1, RP615528 and Lot 4, SP103557. This does not include releases to the Waste Containment Facility.

Schedule 2E – Land Application	
Condition number	**Condition**
Release of Ash and Other Coal Material	
2(E1)	Ash from the combustion process, other coal material, boiler blowdown and chemical cleaning waters and treated sewage effluent in a solid, slurry or liquid form must be placed in the Waste Containment Facility unless prior written approval is obtained from the administering authority for a specified alternate use. This does not include ash removed for use in other products e.g. cement manufacture.
2(E2)	A record is to be kept of volumes of ash removed off site other than to the Waste Containment Facility. These records must be made available to authorised persons on request.
Release of Oils / Chemicals	
2(E3)	Oils including petroleum products, solvents and laboratory chemicals must not be released to the Waste Containment Facility except in minor quantities. The quantities released must not cause environmental nuisance or environmental harm.
Schedule 2F – Noise	
No conditions prescribed for this schedule.	
Schedule 2G – Waste Management	
Condition number	**Condition**
Waste Management Plan	
2(G1)	A Waste Management Plan (WMP) must be implemented from the date of First Commercial Load through to, and including decommissioning phases.
2(G2)	The WMP must detail and address at least the following: i. The quantity and nature of wastes produced, and ii. Methods of disposal.
2(G3)	The WMP must be reviewed annually and any changes that have the potential to increase the risk of environmental harm must be advised to the administering authority.

2(G4)	Waste audits must be undertaken every five (5) years. The results are to be available to the administering authority upon request.
General	
2(G5)	The holder of this Environmental Authority must not: i. Allow waste to burn or be burned in the open at or on the licensed place; nor ii. Remove waste from the licensed place and burn such waste elsewhere, unless conducted at an approved facility.
2(G6)	Areas must be set aside for storage and segregation of waste that can be practically recycled.
2(G7)	Drums of wastes or processed materials must be stored to prevent water entering the containers or allowing contents to escape.
2(G8)	All loading and unloading of bulk materials must occur in designated loading / unloading areas.
2(G9)	All bunded areas are to be maintained to ensure that no materials contained therein can escape the bunds confines without human intervention.
2(G10)	All bunding must be impervious to the material stored within its confines.
2(G11)	All permanent drum storage (less than or equal to 250L in individual capacity stored either individually or in a group storage) must be roofed where practicable, and bunded to 110% capacity of the total volume stored within. Drums located in temporary storage must be placed on portable bunds.
2(G12)	All tanks larger than 250L in size are to be bunded to 110% capacity.
2(G13)	All materials that are potentially environmentally hazardous that are stored on site must be clearly labelled including waste materials.

Schedule 2H – Self Monitoring and Reporting	
Condition number	**Condition**
Complaint Recording	
2(H1)	All complaints received by the holder of this Environmental Authority relating to releases of contaminants from operations at the licensed place must be recorded and kept with the following details: a) time, date and nature of complaint; b) type of communication (telephone, letter, personal etc.); c) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded); d) response and investigation undertaken as a result of the complaint; e) name of person responsible for investigating complaint; and f) action taken as a result of the complaint investigation.

2(H2)

Monitoring of Contaminant Releases to the Atmosphere

The holder of this Environmental Authority must conduct and keep records of a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in *Schedule 2H Table 1 – Required Release point Determinations* and which complies with the following:

a) Monitoring provisions for the release points listed in *Schedule 2H Table 1 – Required Release point Determinations* must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions" or The Department of Environment's Air Quality Sampling Manual 1997 and any subsequent versions.
b) The following tests must be performed for each required determination specified in *Schedule 2H Table 1 – Required Release point Determinations*:
   - Particulates; and
   - Nitrogen Oxides.
c) where practicable, samples taken must be representative of the contaminants discharged when emissions are expected to be normal.

Schedule 2H Table 1 – Required Release point Determinations

Determination required	Release point numbers	Frequency
Particulates	SC1 and SC2	Continuous as a 4 hour moving average
Nitrogen Oxides	SC1 and SC2	Continuous as a 1 hour moving average

Note 1. Above measurements to be based on Nitrogen Oxides Calculated as NO_2 at a 7% Oxygen reference level and particulates at a 12% CO_2 reference level.

Note 2. Monitoring does not include unit start-up or shut-down or operation of the plant when fuel oil is used for combustion support.

2(H3)

The holder of this Environmental Authority must ensure that the results of all monitoring performed in accordance with this Environmental Authority are summarised annually and provided to the administering authority upon request.

Schedule 2I – Definitions

Key terms and/or phrases used in this document are defined in this section. Where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

4-hour moving average means a calculation based upon continuous monitoring data collected over the previous 4 hours. It is updated at an interval of not more than 10 minutes.

AEMO means the Australian Energy Market Operator.

AEMO direction means a direction made by AEMO under section 116 of the National Electricity (Queensland) Law or clause 4.8.9(a) of the National Electricity Rules.

Ash means combustion residues after burning of coal.

Continuous means the use of automatic monitoring and recording instrumentation where data is logged at regular intervals no longer than 1 minute, with a minimum data capture rate of 80%.

Cubic metre ("m^3") means the volume of dry gas which occupies 1 cubic metre at a temperature of zero degrees Celsius and at an absolute pressure of 101.3 kilopascals.

First Commercial Load means the latest date when both units of the plant are accepted by the owner for commercial operation on a fee or reward basis.

LOR2 or a LOR3 market notice means a notice declaring a LOR2 or LOR3 condition issued by AEMO under the National Electricity Rules, clause 4.8.4(b).

LOR2 or LOR3 condition means a lack of reserve (LOR) condition 2 or 3 respectively.

Maximum Continuous Rating (MCR) means the continuous efficient energy output from a boiler that causes no detrimental effects over long term operation.

PM10 means airborne particulate matter less than 10 micrometers in size.

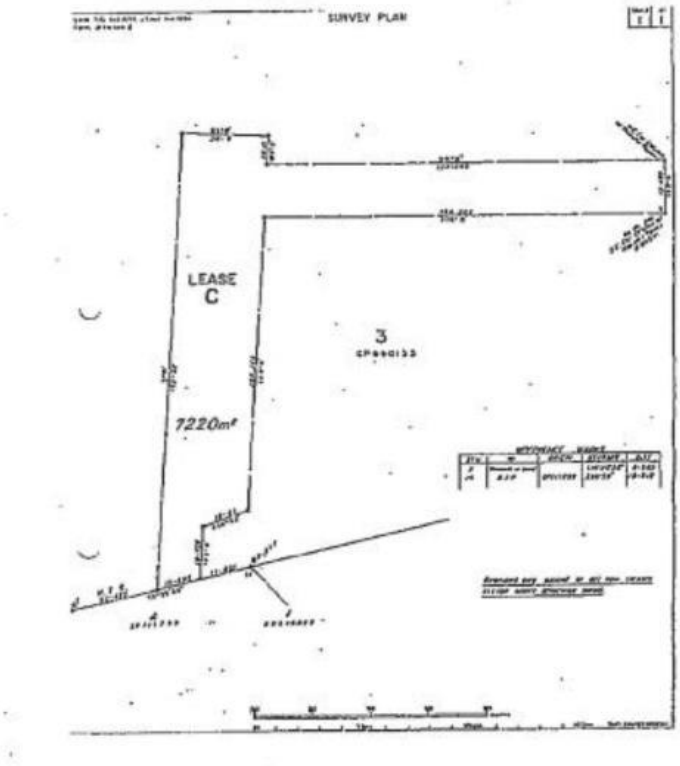
Station Plant means auxiliary plant on the licensed premises required to run the Callide Power Plant that does not form part of either Unit three or Unit four.

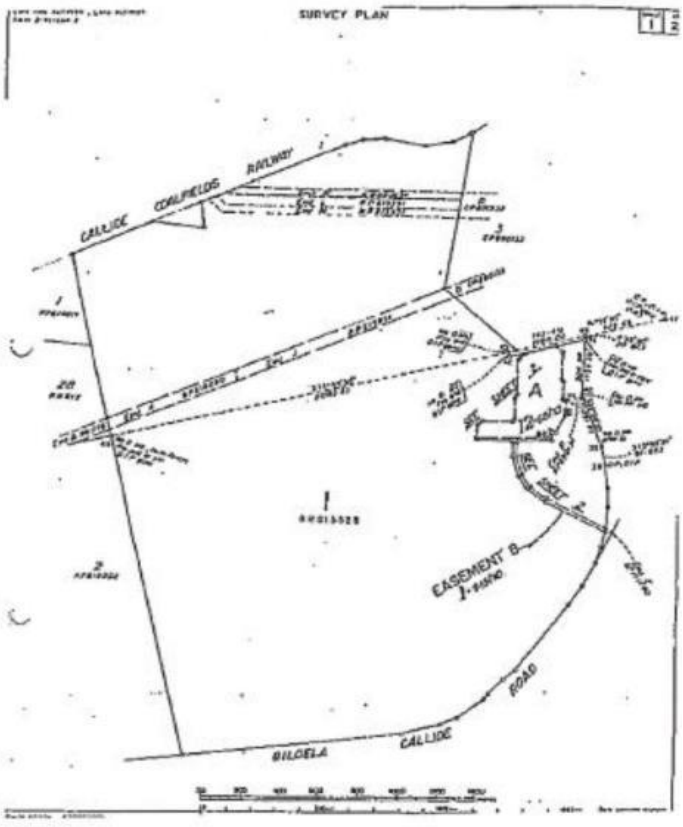
Unit three means the eastern most IHI boiler, Toshiba turbo - generator and associated unit auxiliary plant on the licensed premises.

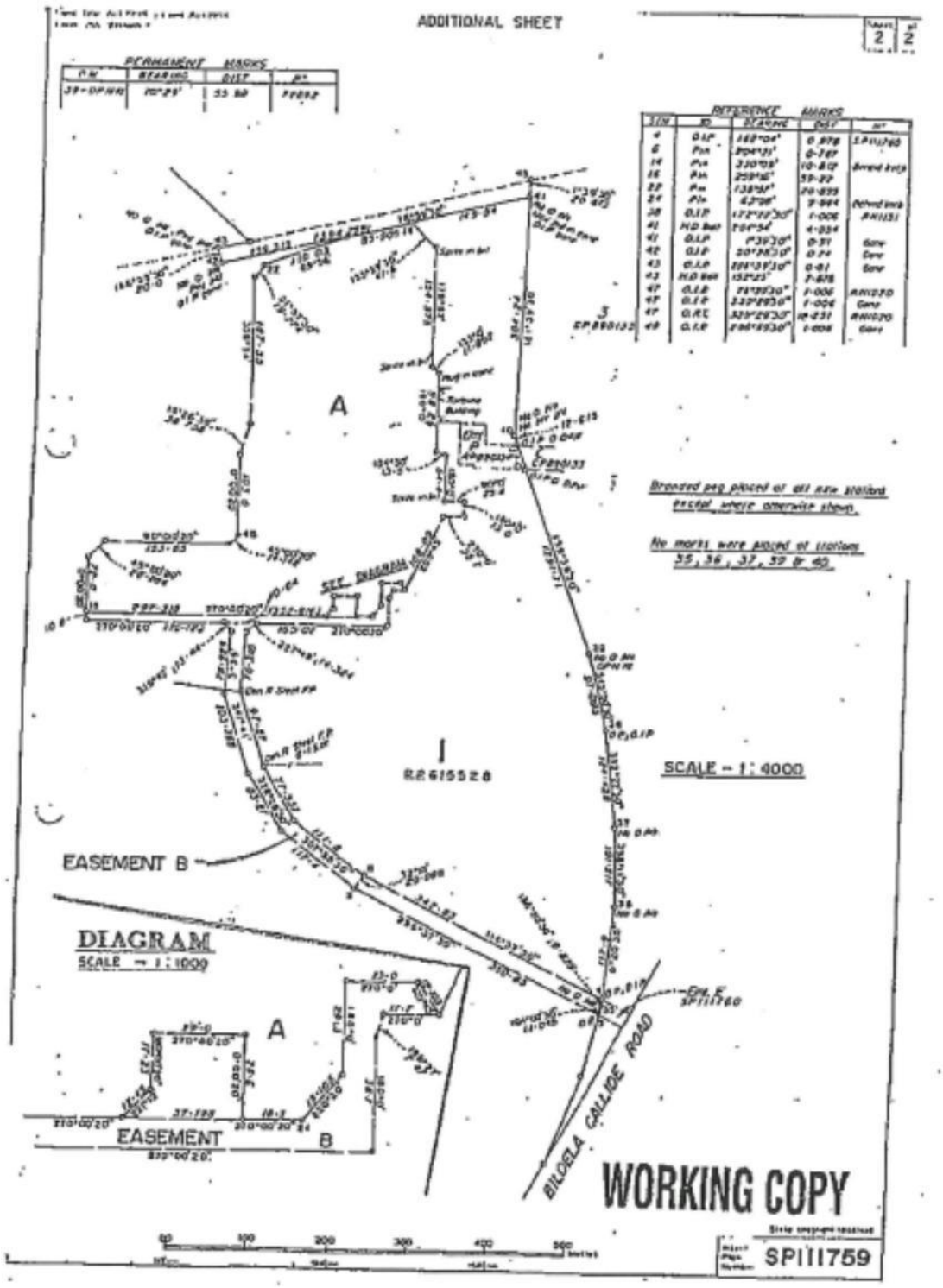
Unit four means the western most IHI boiler, Toshiba turbo - generator and associated unit auxiliary plant on the licensed premises.

Waste Containment Facility means the defined contaminant release area being Ash Dam B, Ash Dams 3 and 4, Drains Reclaim Dams and evaporation areas on the Callide A/B Power Station site.

Schedul2 2J – Site Plans







END OF ENVIRONMENTAL AUTHORITY