

Project Approval

Section 75J of the *Environmental Planning and Assessment Act 1979*

I, the Minister for Planning, approve the project referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- ensure regular monitoring and reporting; and
- provide for the ongoing environmental management of the project.

The Hon. Tony Kelly MP
Minister for Planning

Sydney

2010

File No: S07/01422

The Department has prepared a consolidated version of the approval which is intended to include all modifications to the original determination instrument.

The consolidated version of the approval has been prepared by the Department with all due care. This consolidated version is intended to aid the approval holder by combining all approvals relating to the original determination instrument but it does not relieve an approval holder of its obligation to be aware of and fully comply with all approval obligations as they are set out in the legal instruments, including the original determination instrument and all subsequent modification instruments.

CONSOLIDATED APPROVAL

SCHEDULE 1

Application No:	07_0124
Proponent:	EnergyAustralia Tallawarra Pty Ltd
Approval Authority:	Minister for Planning
Land:	Lot 109, DP 1050302, Yallah Bay Road, Yallah, Wollongong local government area.
Project:	Construction and operation of a gas-fired power station and associated infrastructure, known as the Tallawarra Stage B Gas Turbine Power Station Project.
Major Project:	The project was declared a Major Project under section 75B(1)(a) of the <i>Environmental Planning and Assessment Act 1979</i> , because it is development of a kind described in clause 24 of Schedule 1 of <i>State Environmental Planning Policy (Major Development) 2005</i> .
Critical Infrastructure:	On 20 November 2018, the project was made a critical State significant infrastructure (SSI) project by order under Clause 5 of Schedule 2 to the <i>Environmental Planning and Assessment (Savings, Transitional and Other Provisions) Regulation 2017</i> .

SUMMARY OF MODIFICATIONS

Application Number	Determination Date	Decider	Modification Description
07_0124-Mod-1	6 April 2016	Executive Director	MOD 1 - Lapse date extension of 5 years
07_0124-Mod-2	4 December 2020	Director	MOD 2 - Extension of Project approval lapse date and allow for construction and operation of a single-unit open cycle gas turbine power plant
07_0124-Mod-3	16 August 2024	Director	MOD 3 - Allow for use of up to 5% green hydrogen fuel mix and supporting infrastructure

CONSOLIDATED APPROVAL

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CONSOLIDATED APPROVAL

SCHEDULE 2

Act, the	<i>Environmental Planning and Assessment Act, 1979</i>
BCS	Biodiversity Conservation and Science Group of NSW Department of Climate Change, Energy, the Environment and Water
CASA	Civil Aviation Safety Authority
Conditions of Approval	Conditions contained in Schedule 2
Construction	All physical works associated with the development, including but not limited to demolition and removal of buildings or works, erection or installation of buildings and infrastructure, road upgrades, and the carrying out of works, but excluding pre-construction minor works
Council	Wollongong City Council
DCCEE Water	Water Group within the NSW Department of Climate Change, Energy, the Environment and Water
Department, the	Department of Planning, Housing and Infrastructure
EA	<p><i>Tallawarra Stage B Gas Turbine Power Station Project, Environmental Assessment</i>, dated July 2009 and prepared by Sinclair Knight Merz, as amended by:</p> <ul style="list-style-type: none"> • <i>Tallawarra Stage B Gas Turbine Power Submissions Report</i>, dated March 2010, and prepared by Sinclair Knight Merz; • Supplementary Submissions Report for the Tallawarra Stage B Gas Turbine Power, prepared by Sinclair Knight Merz comprising the following documents: <ul style="list-style-type: none"> ○ Letter dated 5 July 2010 from TRUenergy to the Department of Planning, <i>Submissions Report – Air Safety for Proposed Tallawarra Stage B Power Station, Yallah</i>; ○ Letter dated 5 July 2010 from Ambidji to TRUenergy, <i>Proposed Tallawarra Stage B Gas Fired Peaking Power Station – CASA Assessment of the OCGT and CCGT Applications</i>; ○ <i>Aeronautical Impact Assessment Tallawarra B Gas Peaking Power Station Wollongong, NSW. Closed Cycle Gas Turbine Plume Investigation</i>, prepared by the Ambidji Group and dated 29 March 2010; ○ <i>Aeronautical Impact Assessment Tallawarra B Gas Peaking Power Station Wollongong, NSW. Open Cycle Gas Turbine Revised Plume Investigation</i>, prepared by the Ambidji Group and dated 24 March 2010; • Modification application (MOD 1) - Letter dated 17 December 2015 from EnergyAustralia to the Department of Planning and Environment, Tallawarra B Power Station Extension of Permit (07_0124); • Modification application (MOD 2) - <i>Tallawarra Stage B Gas Turbine Power Station, Modification Environmental Assessment</i>, dated June 2020 and prepared by Aurecon; <i>Tallawarra Stage B Gas Turbine Power Station, Modification 2 Submissions Report</i>, dated September 2020 and prepared by Aurecon; and • Modification application (MOD 3) – <i>Tallawarra B Power Station Hydrogen Fuel Mix – MOD 3 Modification Report</i>, dated September 2023 and prepared by Environmental Resources Management Australia Pty Ltd, and <i>Tallawarra B Power Station Hydrogen Fuel Mix – MOD 3 Submissions Report</i>, dated December 2023 and prepared by Environmental Resources Management Australia Pty Ltd, and additional information provided by EnergyAustralia as listed in Appendix A of the Department's Assessment Report.

CONSOLIDATED APPROVAL

EPA	Environment Protection Authority
Heritage NSW	Heritage NSW – Aboriginal Cultural Heritage
Incident	An occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be a non-compliance
Material harm	Is harm that: <ul style="list-style-type: none"> involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial; or results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment)
Minimise	Implement all reasonable and feasible mitigation measures to reduce the impacts of the development
Minister, the	Minister for Planning and Public Spaces, or delegate
Mitigation	Activities associated with reducing the impacts of the project
Operation	When the power station commences contributing electricity to the grid but excluding commissioning activities.
Probable Maximum Flood	The largest flood that could conceivably occur at a particular location. At the project site, this equates to a relative level of 3.24 metres Australian Height Datum.
Project	The development described in the EA and as modified by the conditions of this approval.
Proponent	EnergyAustralia Tallawarra Pty Ltd, or any person carrying out any development to which this approval applies
Publicly Available	Available for inspection by a member of the general public (for example available on an internet site or at a display centre).
Reasonable/feasible	Consideration of best practice taking into account the benefit of proposed measures and their technological and associated operational application in the NSW and Australian context. Feasible relates to engineering considerations and what is practical to build. Reasonable relates to the application of judgement in arriving at a decision, taking into account mitigation benefits, cost of mitigation versus benefits provided, community views and nature and extent of potential improvements.
Secretary	Planning Secretary under the Act, or nominee
Secretary's Approval	A written approval from the Secretary and/or delegate
Site	Land to which Major Projects Application 07_0124 applies, as shown in Figure 1-2 of the <i>Tallawarra Stage B Gas Turbine Power Station, Environmental Assessment</i> prepared by Sinclair Knight Merz and dated July 2009.
Shut-down period	The period during which a turbine is being taken out of service from normal operation to inactivity.
Start-up period	The period during which a turbine is being brought up to normal operation following a period of inactivity.
Tallawarra Lands	The land within the Tallawarra Land Border, excluding land within the power station site boundary, as shown in Figure 1-2 of the <i>Tallawarra Stage B Gas Turbine Power Station, Environmental Assessment</i> prepared by Sinclair Knight Merz and dated July 2009.
TfNSW	Transport for NSW

1. ADMINISTRATIVE CONDITIONS

Terms of Approval

- 1.1 The project may only be carried out:
 - a) in compliance with the conditions of this approval granted with respect to the *Tallawarra Stage B Gas Turbine Power Station Project (07_0124)*;
 - b) in accordance with all written directions of the Secretary; and
 - c) generally in accordance with the EA.
- 1.2 The conditions of this approval and directions of the Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and the documents listed in condition 1.1c). In the event of an inconsistency, ambiguity or conflict between any of the documents listed in condition 1.1c), the most recent document prevails to the extent of any inconsistency, ambiguity or conflict.
- 1.3 The Proponent **must** comply with any reasonable requirement(s) of the **Secretary** arising from the Department's assessment of:
 - a) any **documents** that are submitted in accordance with this approval; and
 - b) the implementation of any actions or measures contained in these **documents**.

Limits of Approval

- 1.4 This approval will lapse if the Proponent does not physically commence the project by 21 December 2022.
 - 1.5 The project **must** comprise a single-unit gas turbine power plant with a total nominal output of up to 400 megawatts operating in open cycle mode.
 - 1.6 Nothing in this approval permits the construction and operation of an open cycle gas turbine plant, unless the Proponent has submitted a report to the **Secretary** which demonstrates that operation of an open cycle gas turbine plant will not have an adverse impact on aviation safety. This report must be prepared in consultation with Shellharbour City Council, and its conclusions and recommendations must have been agreed to by the **CASA** prior to submission to the **Secretary**. The report must be approved by the **Secretary** before commencement of construction of an open cycle plant.
- 1.6A No permanent storage of hydrogen is allowed on-site.
- 16.B No more than eight hydrogen trailers are allowed to access the site on any day.
- 16C No more than four hydrogen trailers with a total capacity of up to 2,228 kg of hydrogen gas are allowed on site at any given time, unless otherwise agreed by the Secretary.
- 1.6D Vehicles larger than the 19 m design vehicle are not allowed to use the intersection of Yallah Bay Road and the Princes Highway to turn into the site.

Statutory Requirements

- 1.7 The Proponent **must** ensure that all licences, permits and approvals are obtained and maintained as required throughout the life of the project. No condition of this approval removes the obligation for the Proponent to obtain, renew or comply with such licences, permits or approvals. The Proponent **must** ensure that a copy of this approval and all relevant environmental approvals are available on the site at all times during the life of the project.
- 1.8 The relevant provisions of section 188 of the *Environmental Planning and Assessment Regulation 2021* apply to this approval.

2. OPERATING CONDITIONS

Approved Fuels

2.1 Natural gas or natural gas blended with up to 5% hydrogen gas (by volume) are the only fuels approved for firing of the burner/turbine.

2.1A Hydrogen gas feeding to the burner/turbine must be supplied from renewable electricity only.

2.2 Removed.

2.3 Removed.

Mode of Operation

2.4 Deleted.

Approved Chemicals

2.5 Deleted.

3. SPECIFIC ENVIRONMENTAL CONDITIONS

Noise Impacts

Construction Noise

3.1 The Proponent **must** only undertake construction activities associated with the project that would generate an audible noise at any sensitive receivers during the following hours:

- a) 7:00 am to 6:00 pm, Mondays to Fridays, inclusive;
- b) 8:00 am to 1:00 pm on Saturdays; and
- c) at no time on Sundays or public holidays.

This condition does not apply in the event of a direction from police or other relevant authority for safety reasons, or to prevent environmental harm, the loss of property or risk to life.

3.2 The hours of construction activities specified under condition 3.1 of this approval may be varied with the prior written approval of the **Secretary**. Any request to alter the hours of construction specified under condition 3.1 **must** be:

- a) considered on a case-by-case basis;
- b) accompanied by details of the nature and need for activities to be conducted during the varied construction hours; and
- c) accompanied by written evidence demonstrating consultation with the **EPA** in relation to the proposed variation in construction times (including the consideration of any comments made by the **EPA**).

3.3 The Proponent **must** implement all reasonable and feasible mitigation measures with the aim of achieving the following construction noise and vibration goals:

- a) where audible at any sensitive receivers, the L_{Aeq} (15minute) noise level from construction activities should not exceed the rating background level by more than 10 dB; and
- b) the vibration limits set out in the *Assessing Vibration: A Technical Guideline* (Department of Environment and Climate Change, 2006) for human exposure.

3.4 During construction, the Proponent **must** minimise noise emissions from plant and equipment, including bulldozers, cranes, graders, excavators and trucks, by installing and maintaining where reasonable and feasible, efficient silencers and low-noise mufflers (residential standard).

Operational Noise

3.5 The Proponent **must** design, construct, operate and maintain the project to ensure that the total cumulative noise contribution from the combined operation of the Tallawarra Stage A and

Tallawarra Stage B power stations to the background acoustic environment does not exceed the noise limits specified in Table 1 and Table 2.

Table 1 – Maximum Allowable Noise Limits Outside the Tallawarra Lands

Location	Day 7:00 am to 6:00 pm Mondays to Saturdays 8:00 am to 6:00 pm Sundays and public holidays	Evening 6:00 pm to 10:00 pm on any day	Night 10:00 pm to 7:00 am Mondays to Saturdays 10:00 pm to 8:00 am Sundays and public holidays	
	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)	L _{Amax}
Locality T2 Any residence on Carlyle Close, Wollin Place, Coronet Place, and Crompton Street, in Koonawarra	35 dB(A)	35 dB(A)	35 dB(A)	45 dB(A)
Locality T4 Any residence on Wyndarra Way and Malonga Place in Koonawarra	35 dB(A)	35 dB(A)	35 dB(A)	45 dB(A)
Locality ML#9 Any residence on The Boulevard, Park Crescent, Horsley Road and Newton Crescent in Oak Flats	38 dB(A)	38 dB(A)	38 dB(A)	45 dB(A)
Locality ML#10 Any residence on Reddall Parade and Henricks Parade in Mt Warrigal	38 dB(A)	38 dB(A)	38 dB(A)	45 dB(A)
Locality ML#11 Any residence in Haywards Bay	35 dB(A)	35 dB(A)	35 dB(A)	45 dB(A)

The localities set out in Table 1 are those described in Appendix E of the document listed in [condition 1.1c](#)). For the purpose of Table 1, “residence” is defined as any residential dwelling existing at the date of this approval and any residential dwelling, once constructed, on land zoned R2 - Low Density Residential under the *Wollongong Local Environmental Plan 2009* at the identified locality.

Table 2 - Noise Limits for Tallawarra Lands Residential Areas

Location	Day 7:00 am to 6:00 pm Mondays to Saturdays 8:00 am to 6:00 pm Sundays and public holidays	Evening 6:00 pm to 10:00 pm on any day	Night 10:00 pm to 7:00 am Mondays to Saturdays 10:00 pm to 8:00 am Sundays and public holidays	
	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)	L _{Amax}
Most affected residence - proposed northern residential area	If the Noise Policy for Industry (NSW EPA, 2017) Modification Factors for Low Frequency Noise apply – 40 dB(A), otherwise 38 dB(A)	If the Noise Policy for Industry (NSW EPA, 2017) Modification Factors for Low Frequency Noise apply – 40 dB(A), otherwise 38 dB(A)	If the Noise Policy for Industry (NSW EPA, 2017) Modification Factors for Low Frequency Noise apply – 40 dB(A), otherwise 38 dB(A)	50 dB(A)
Most affected residence - proposed central residential area	40 dB(A)	40 dB(A)	40 dB(A)	50 dB(A)
Most affected residence - proposed south-western residential area	41 dB(A)	41 dB(A)	41 dB(A)	51 dB(A)

The proposed residential areas set out in Table 2 are those illustrated in Appendix A of the *Tallawarra Concept Plan Application – Preliminary Assessment Report* prepared by Don Fox Planning and dated June 2009. For the purpose of Table 2, “residence” is defined as any residential dwelling once constructed, either prior to or post the construction and operation of the power station, on land zoned R2 - Low Density Residential or R5 - Large Lot Residential under the *Wollongong Local Environmental Plan 2009* within the proposed residential areas.

If noise from an activity is substantially tonal, intermittent or impulsive in nature and contains major components within the low frequency range (as described in [Noise Policy for Industry \(NSW EPA, 2017\)](#)), 5 dB(A) must be added to the measured noise level when comparing the measured noise with the limits specified in Tables 1 and 2, in accordance with the requirements of the [Noise Policy for Industry \(NSW EPA, 2017\)](#).

The noise limits set out in Table 1 and Table 2 do not apply under: wind speeds greater than 3 metres per second (measured at 10 metres above ground level); or under stability category G temperature inversion conditions; or under stability category F temperature inversion conditions and wind speeds greater than 2 metres per second at 10 metres above the ground.

Stability category temperature inversion conditions are to be determined by the sigma-theta method referred to in the [Noise Policy for Industry \(NSW EPA, 2017\)](#).

The data to be used for determining meteorological conditions is that recorded by the meteorological weather station located at the Tallawarra Stage A power station.

- 3.6 Where operational noise monitoring (as required by either conditions 4.1 or 4.5 of this approval) identifies any non-compliance with the operational noise limits specified under condition 3.5 of this approval, the Proponent **must** prepare and submit to the **Secretary** for approval a report including, but not limited to:
- an assessment of all reasonable and feasible physical and other mitigation measures for reducing noise at the source;
 - identification of the preferred measure(s) for reducing noise at the source;
 - evidence that the **EPA** is satisfied that the proposed noise mitigation measures are acceptable; and
 - location, type, timing and responsibility for implementation of the noise mitigation measure(s).

The report is to be submitted to the **Secretary** within 90 days of undertaking the noise monitoring which has identified exceedances of the operational noise criteria specified under condition 3.5, unless otherwise agreed to by the **Secretary**. The Proponent **must** implement all reasonable and feasible mitigation measures in accordance with the requirements of the **Secretary**.

Additional Noise Mitigation Measures

- 3.7 If, after the implementation of all reasonable and feasible source controls, as identified in the report required by condition 3.6, the noise generated by the combined operation of the Tallawarra Stage A and Tallawarra Stage B power stations exceeds the noise limits stipulated in Table 3 and Table 4 at the specified localities, upon receiving a written request from an affected landowner (unless that landowner has acquisition rights under condition 3.13 of this approval and has requested acquisition) the Proponent **must** investigate and implement reasonable and feasible at-receiver noise mitigation measures such as double glazing, insulation, air conditioning and or other building acoustic treatments at any residence on the land, in consultation with the landowner, to ensure that the noise limits specified in condition 3.5 of this approval are not exceeded.

Table 3 – Additional Noise Mitigation Criteria Outside the Tallawarra Lands

Location	Day 7:00 am to 6:00 pm Mondays to Saturdays 8:00 am to 6:00 pm Sundays and public holidays	Evening 6:00 pm to 10:00 pm on any day	Night 10:00 pm to 7:00 am Mondays to Saturdays 10:00 pm to 8:00 am Sundays and public holidays
	L_{Aeq}(15 minute)	L_{Aeq}(15 minute)	L_{Aeq}(15 minute)
Locality T2 Any residence on Carlyle Close, Wollin Place, Coronet Place, and Crompton Street, Koonawarra	40 dB(A)	40 dB(A)	40 dB(A)
Locality T4	41 dB(A)	41 dB(A)	41 dB(A)

Location	Day 7:00 am to 6:00 pm Mondays to Saturdays 8:00 am to 6:00 pm Sundays and public holidays	Evening 6:00 pm to 10:00 pm on any day	Night 10:00 pm to 7:00 am Mondays to Saturdays 10:00 pm to 8:00 am Sundays and public holidays
	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)
Any residence on Wyndarra Way and Malonga Place in Koonawarra			
Locality ML#9 Any residence on The Boulevard, Park Crescent, Horsley Road and Newton Crescent in Oak Flats	41 dB(A)	41 dB(A)	41 dB(A)
Locality ML#10 Any residence on Reddall Parade and Henricks Parade in Mt Warrigal	40 dB(A)	40 dB(A)	40 dB(A)
Locality ML#11 Any residence in Haywards Bay	47 dB(A)	47 dB(A)	47 dB(A)

Table 4 - Additional Noise Mitigation Criteria for Tallawarra Lands Residential Areas

Location	Day 7:00 am to 6:00 pm Mondays to Saturdays 8:00 am to 6:00 pm Sundays and public holidays	Evening 6:00 pm to 10:00 pm on any day	Night 10:00 pm to 7:00 am Mondays to Saturdays 10:00 pm to 8:00 am Sundays and public holidays
	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)
Most affected residence - proposed northern residential area	43 dB(A)	43 dB(A)	43 dB(A)
Most affected residence - proposed central residential area	43 dB(A)	43 dB(A)	43 dB(A)
Most affected residence - proposed south-western residential area	44 dB(A)	44 dB(A)	44 dB(A)

If noise from an activity is substantially tonal, intermittent or impulsive in nature and contains major components within the low frequency range (as described in [Noise Policy for Industry \(NSW EPA, 2017\)](#)), 5 dB(A) must be added to the measured noise level when comparing the measured noise with the limits specified in Tables 3 and 4, in accordance with the requirements of the [Noise Policy for Industry \(NSW EPA, 2017\)](#).

- 3.8 The Proponent **must** bear the costs of any additional at-receiver mitigation measures implemented at an affected property or land.
- 3.9 The Proponent **must** make a binding written offer to the landowner regarding the mitigation options that can be implemented at the property. If within three months of receiving this request from the landowner the Proponent and landowner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the **Secretary** for resolution, whose decision **must** be final. If the landowner refuses to accept the Proponent's offer within six months of the date of offer, the Proponent's obligations to provide additional mitigation measures at the property or land **must** cease, unless otherwise agreed by the **Secretary**.
- 3.10 If a landowner has agreed to, or a property has been the subject of the application of, at-source noise mitigation measures under condition 3.7, the Proponent's obligations to re-consider the land or property under the requirements of condition 3.7 **must** cease, unless otherwise agreed by the **Secretary**.
- 3.11 The requirements of conditions 3.7 to 3.10 do not apply if a negotiated agreement consistent with the requirements of [Noise Policy for Industry \(NSW EPA, 2017\)](#) exists between the Proponent and the landowner.
- 3.12 The Proponent **must** provide written notice to all landowners that are entitled to rights under condition 3.7 within 21 days of determining the landholdings to which these rights apply. This

condition only applies where operational noise levels have been confirmed. For the purpose of this condition and condition 3.18, confirmation of operational noise levels means:

- completion of the operational noise review required under condition 4.1 of this approval; and
- implementation of any source controls, as required under condition 3.6 of this approval, should the operational noise review indicate noise levels in excess of the operational noise limits specified in condition 3.5; and
- monitoring of operational noise levels, as per the requirements under condition 4.5 of this approval, following the implementation of any source controls.

Land Acquisition Criteria

- 3.13 If, after the implementation of all reasonable and feasible source controls, as identified in the report required by condition 3.6, the noise generated by the combined operation of the Tallawarra Stage A and Tallawarra Stage B power stations exceeds the noise limits specified in Table 5 and Table 6 at the specified localities, the Proponent **must**, upon receiving a written request for acquisition from the landowner, within two years of the date of that landowner being notified of his/her acquisition rights, acquire the land in accordance with the procedures in conditions 3.14 to 3.16 of this approval.

Any landowner that has agreed to, or property that has been the subject of, the application of additional noise mitigation measures under condition 3.7 of this approval waives the right to land acquisition.

Table 5 - Land Acquisition Criteria for Residential Receivers Outside the Tallawarra Lands

Location	Day 7:00 am to 6:00 pm Mondays to Saturdays 8:00 am to 6:00 pm Sundays and public holidays	Evening 6:00 pm to 10:00 pm on any day	Night 10:00 pm to 7:00 am Mondays to Saturdays 10:00 pm to 8:00 am Sundays and public holidays
	L_{Aeq}(15 minute)	L_{Aeq}(15 minute)	L_{Aeq}(15 minute)
Locality T2 Any residence on Carlyle Close, Wollin Place, Coronet Place, and Crompton Street, Koonawarra	43 dB(A)	43 dB(A)	43 dB(A)
Locality T4 Any residence on Wyndarra Way and Malonga Place in Koonawarra	44 dB(A)	44 dB(A)	44 dB(A)
Locality ML#9 Any residence on The Boulevard, Park Crescent, Horsley Road and Newton Crescent in Oak Flats	44 dB(A)	44 dB(A)	44 dB(A)
Locality ML#10 Any residence on Reddall Parade and Henricks Parade in Mt Warrigal	43 dB(A)	43 dB(A)	43 dB(A)
Locality ML#11 Any residence in Haywards Bay	50 dB(A)	50 dB(A)	50 dB(A)

Table 6 - Land Acquisition Criteria for Tallawarra Lands Residential Areas

Location	Day 7:00 am to 6:00 pm Mondays to Saturdays 8:00 am to 6:00 pm Sundays and public holidays	Evening 6:00 pm to 10:00 pm on any day	Night 10:00 pm to 7:00 am Mondays to Saturdays 10:00 pm to 8:00 am Sundays and public holidays
	L_{Aeq}(15 minute)	L_{Aeq}(15 minute)	L_{Aeq}(15 minute)
Most affected residence - proposed northern residential area	46dB(A)	46dB(A)	46dB(A)
Most affected residence - proposed central residential area	46 dB(A)	46 dB(A)	46 dB(A)
Most affected residence - proposed south-western residential area	47 dB(A)	47 dB(A)	47 dB(A)

If noise from an activity is substantially tonal, intermittent or impulsive in nature and contains major components within the low frequency range (as described in [Noise Policy for Industry](#))

(NSW EPA, 2017)), 5 dB(A) must be added to the measured noise level when comparing the measured noise with the limits specified in Tables 5 and 6, in accordance with the requirements of the *Noise Policy for Industry* (NSW EPA, 2017).

- 3.14 Within three months of receiving a written request from a landowner with acquisition rights under condition 3.13 of this approval, the Proponent **must** make a binding written offer to the landowner based on:
- (a) the current market value of the landowner's interest in the property at the date of this written request, as if the property was unaffected by the project which is the subject of the project application, having regard to the -
 - i) existing and permissible use of the land, in accordance with the applicable planning instruments at the date of the written request, and
 - ii) presence of improvements on the property and/or any approved building or structure which has been physically commenced at the date of the landowner's written request, and is due to be completed subsequent to that date;
 - (b) the reasonable costs associated with -
 - i) relocating within the Wollongong or Shellharbour local government areas,
 - ii) obtaining legal advice and expert advice for determining the acquisition price of the land, and the terms upon which it is required; and
 - (c) reasonable compensation for any disturbance caused by the land acquisition process.

However, if at the end of this period, the Proponent and landowner cannot agree on the acquisition price of the land, and/or the terms upon which the land is to be acquired, then either party may refer the matter to the **Secretary** for resolution.

Upon receiving such a request, the **Secretary** **must** request the President of the NSW Division of the Australian Property Institute to appoint a qualified independent valuer or Fellow of the Institute, to consider submissions from both parties, and determine a fair and reasonable acquisition price for the land, and/or terms upon which the land is to be acquired.

Within 14 days of receiving the independent valuer's determination, the Proponent **must** make a written offer to purchase the land at a price not less than the independent valuer's determination.

If the landowner refuses to accept this offer within six months of the date of the Proponent's offer, the Proponent's obligations to acquire the land shall cease, unless otherwise agreed by the **Secretary**.

- 3.15 The Proponent **must** bear the costs of any valuation or survey assessment requested by the independent valuer or the **Secretary** and the costs of determination referred to above.
- 3.16 If a landowner has already agreed to an offer of acquisition under the requirements of condition 3.13, or an offer of acquisition has been made under the requirements of condition 3.13 and refused by the landowner, the Proponent's obligations to re-consider the landowner's request or property under the requirements of condition 3.13 shall cease, unless otherwise agreed by the **Secretary**.
- 3.17 The requirements of conditions 3.13 to 3.16 do not apply if a negotiated agreement consistent with the requirements of *Noise Policy for Industry* (NSW EPA, 2017) exists between the Proponent and the relevant landowner.
- 3.18 The Proponent **must** provide written notice to all landowners that are entitled to rights under condition 3.13 within 21 days of determining the landholdings to which land acquisition rights apply. This condition only applies where operational noise levels have been confirmed in accordance with the definition in condition 3.12.

Air Quality Impacts

Dust Generation

- 3.19 The Proponent **must** construct and operate the project in a manner that minimises dust emissions from the site, including wind-blown and traffic-generated dust. All activities on the site **must** be undertaken with the objective of preventing visible emissions of dust from the site. Should such visible dust emissions occur at any time, the Proponent **must** identify and implement all practicable dust mitigation measures, including cessation of relevant works, as appropriate, such that emissions of visible dust cease.

Odour

- 3.20 The Proponent **must** not permit any offensive odour, as defined under section 129 of the *Protection of the Environment Operations Act 1997*, to be emitted beyond the boundary of the site.

Manufacturer's Performance Guarantee

- 3.21 Prior to the installation of any fuel burning equipment associated with the project, the Proponent **must** submit the manufacturer's performance guarantee for that equipment to the EPA. The documentation **must** demonstrate to the EPA's satisfaction that the equipment, when operating at design load, will comply with the air discharge limits specified in this approval under condition 3.24.

Air Discharge Points

- 3.22 For the purpose of this approval, air discharge/monitoring points are identified in Table 7.

Table 7 - Identification of Air Monitoring and Air Discharge Points

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Description of Location
1	Air emissions monitoring	Discharge to air	Stack Serving the Open Cycle Plant Turbine
Deleted	Deleted	Deleted	Deleted

- 3.23 The Proponent **must** ensure that the design and construction of the project includes sampling positions that comply with TM-1 as set out in *Approved Methods for the Sampling and Analysis of Air Pollutants in NSW* (EPA, 2016), or its latest version.

Discharge Limits

- 3.24 The Proponent **must** design, construct, operate and maintain the project to ensure that for each turbine stack discharge/monitoring point identified in Table 7, the concentration of each pollutant listed in Table 8 is not exceeded at that point. The condition only applies to the normal operation of a turbine and, to avoid any doubt, does not apply during the start-up and shut-down period for a turbine. The condition continues to apply to other turbines if they are operational during these periods.

Table 8 – Maximum Allowable Discharge Concentration Limits (Air)

Pollutant	Unit of measure	100 percentile limit	Reference conditions	Averaging Period
Nitrogen dioxide (NO ₂) or nitric oxide (NO) or both, as NO ₂ equivalent	ppm	25	Dry, 273 K, 101.3 kPa, 15% O ₂	1-hour

Mass Limits

- 3.25 The Proponent **must** design, construct, operate and maintain the project to ensure that the total cumulative load of nitrogen dioxide or nitric oxide, or both as nitrogen dioxide, from the combined discharges from the Tallawarra Stage A and Tallawarra Stage B power stations does

not exceed 900 tonnes per annum. This mass limit also applies to emissions during start-up and shut-down periods.

Aviation Safety

- 3.26 The stacks associated with the **project** must be marked and lit in accordance with the requirements of the **CASA**.

Hazards and Risk

Pre-Construction Hazards Studies

- 3.27 Prior to the commencement of construction of **07_0124-Mod-3**, other than **preliminary works outside the scope of the hazard studies**, or as otherwise agreed by the **Secretary**, the Proponent **must** prepare the following studies **to the satisfaction of the Secretary**:
- a) a **Fire Safety Study** for the **site**, covering relevant aspects detailed in the Department's publication *Hazardous Industry Planning Advisory Paper No. 2 – Fire Safety Guidelines* and the New South Wales Government's *Best Practice Guidelines for Contaminated Water Retention and Treatment Systems*. The Study **must** include a strict maintenance schedule for essential services and other safety measures. The Study **must** meet the requirements of the **Fire and Rescue NSW**;
 - b) a **Hazard and Operability Study (HAZOP)** for the **site**, chaired by an independent, qualified person or team **that is endorsed by the Secretary prior to the commencement of the study**. The Study **must** be carried out in accordance with the Department's publication *Hazardous Industry Planning Advisory Paper No. 8 – HAZOP Guidelines* and **must be accompanied by a program for the implementation of all recommendations made in the report**. If the Proponent intends to defer the implementation of a recommendation, justification must be included;
 - c) a **Final Hazard Analysis for the site** prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis*. **The Final Hazard Analysis must include a cumulative risks assessment for Tallawarra A (D98/784 and SSD-60938959) and the project; and**
 - d) a **Construction Safety Study**, prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No. 7 – Construction Safety Study Guidelines*. **For developments in which the construction period exceeds six months, the commissioning portion of the Construction Safety Study may be submitted two months prior to commencement of construction.**

Pre-Commissioning Hazards Studies

- 3.28 **No later than two months prior to the commencement of commissioning of 07_0124-Mod-3, or as otherwise agreed by the Secretary, the Proponent must prepare updated documents for the following plans and systems to the satisfaction of the Secretary:**
- a) a comprehensive **Emergency Plan** and detailed emergency procedures for the project. The Plan **must** be prepared in accordance with the Department's publication *Hazardous Industry Planning Advisory Paper No. 1 – Industry Emergency Planning Guidelines*;
 - b) a **comprehensive Safety Management System for the site**, covering all on-site operations and any associated transport activities involving hazardous materials. The System **must** clearly specify all safety-related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to safety procedures. **Records must be kept on-site and must be available for inspection by the Secretary upon request. The Safety Management System must be developed in accordance with the Department's publication *Hazardous Industry Planning Advisory Paper No. 9 – Safety Management*; and**
 - c) **an Emergency Services Information Package for the site, in accordance with the Fire and Rescue NSW's *Fire Safety Guideline – Emergency services information package and tactical fire plans*.**

3.28A The Proponent must submit to the Secretary and NSW Rural Fire Service Illawarra District Office a **Fire Management Plan** for the site that is prepared in consultation with the NSW Rural Fire Service Illawarra District Office and include:

- a) 24- hour emergency contact details including alternative telephone contact for the site;
- b) site infrastructure, fire fighting water supply, access and internal road plans;
- c) construction of Asset Protection Zones (APZ) and their continued maintenance; and
- d) location of hazards (physical, chemical and electrical) that may impact on firefighting operations and procedures.

Dangerous Goods

3.29 The storage, handling, and transport of dangerous goods for the development must be carried out in accordance with the relevant Australian Standards, including and not limited to AS1940 and AS1596, and the *Australian Code for the Transport of Dangerous Goods by Road and Rail*.

Water Quality and Soil Impacts

3.30 Except as may be provided by an Environment Protection Licence for the project, the Proponent **must** comply with section 120 of the *Protection of the Environment Operations Act 1997* which prohibits the pollution of waters.

3.31 Soil and water management controls **must** be employed to minimise soil erosion and the discharge of sediment and other pollutants to lands and/or waters during construction activities, in accordance with Landcom's (2006) *Managing Urban Stormwater: Soils and Construction*.

3.32 Deleted.

3.33 Deleted.

Hydrology

3.34 The Proponent **must** utilise existing crossings over Yallah Creek and **must** avoid constructing temporary watercourse crossings for heavy vehicles and machinery.

3.35 The Proponent **must** ensure that any construction activities within 40 metres of the bank of Yallah Creek, and any other watercourses, are consistent with *Controlled Activity Guidelines* (Department of Water and Energy, 2008) including, but not limited to, 'In-stream Works', 'Outlet Structures', 'Riparian Corridors', 'Vegetation Management Plans', and 'Watercourse Crossings', or any guidelines which supersede these documents.

3.36 The Proponent **must** ensure that the project is designed, sited and constructed so that it is not subject to inundation by floodwaters up to or at a level of the Probable Maximum Flood, nor does it exacerbate flooding on adjacent land.

Where the Proponent can demonstrate to the satisfaction of the **Secretary** that it is not reasonable and feasible to design to the Probable Maximum Flood, the Proponent may nominate an alternative design flood level for the approval of the **Secretary**. The alternative flood level **must** be developed using a risk-based approach and in consultation with Wollongong City Council.

3.37 The project **must** be designed, and employ surface water management techniques, such that existing runoff volumes along drainage lines from the site are maintained at pre-construction levels and there are no adverse effects to adjoining land as a result of flooding and runoff.

Flora and Fauna Impact

3.38 The Proponent **must** ensure that there is no disturbance to the endangered ecological communities, including the Illawarra Subtropical Rainforest in the Sydney Basin Bioregion and

the Swamp Oak Floodplain Forest of the NSW North Coast, Sydney Basin and South East Corner bioregions, during the construction and operation of the project.

- 3.39 The Proponent **must** mark the areas of endangered ecological communities with flagging tape or similar prior to commencing construction to ensure that there is no incursion into, or clearing of the areas.
- 3.40 The Proponent **must** ensure that clearing of native vegetation is limited to the minimal extent required for the construction of the project and **must** undertake all reasonable and feasible measures to avoid the clearing of any threatened flora species. All cleared areas **must** be stabilised with local native grasses and ground cover plants as soon as practicable to minimise soil erosion.
- 3.41 At least one month prior to the commencement of construction of the project, the Proponent **must** develop a plan for offsetting the biodiversity impacts resulting from the removal of any native vegetation. The plan **must** be submitted to the **Secretary** for approval and include as appropriate, but not necessarily be limited to:
- a) measures for encouraging the natural regeneration of locally native vegetation, including weed management measures as identified in condition 3.44;
 - b) replanting/compensatory plantings (at a ratio of at least 2:1) and/or land offsets, and rehabilitation measures;
 - c) measures for replacing specific habitat values impacted by the project (e.g. provision of roost/nest boxes where significant habitat trees such as hollow bearing trees are impacted);
 - d) a timeline for the implementation of the identified measures, including ongoing monitoring and maintenance;
 - e) demonstration of how the plan would achieve the outcome of maintaining or improving biodiversity values in the local area; and
 - f) measures for monitoring and maintaining any offsets in perpetuity.

The plan **must** be implemented in accordance with the specified measures and timeframes, unless otherwise agreed to by the **Secretary**.

- 3.42 The Proponent **must** establish a riparian zone consisting of local native plant species adjacent to Yallah Creek within the power station site boundary. The width of the riparian zone is to be a minimum of 50 metres on both sides of the creek, where practicable. All works and disturbance areas associated with the construction and operation of the project must be located outside of the riparian zone, including new transmission line poles.
- 3.43 The Proponent **must** monitor and maintain the riparian zone along Yallah Creek (referred to in condition 3.42) throughout the life of the project.
- 3.44 The Proponent **must** monitor all rehabilitated areas, offset areas, and riparian zones for weed infestation. Any infestations **must** be actively managed to remove or minimise their spread.

Lake Ecology

3.45 Deleted.

3.46 Deleted.

3.47 Deleted.

3.48 Deleted.

Visual Amenity Impacts

- 3.49 The Proponent **must** undertake landscaping works to reduce the visual impact of the power station from residences along the foreshore, prior to the commencement of operation of the project. Vegetation used in landscaping works **must** comprise local native species.
- 3.50 The Proponent **must** minimise the use of reflective building elements and maximise the use of building materials and treatments which visually complement the surrounding landscape.
- 3.51 The Proponent **must** ensure that the power station is consistent in design (including materials, finishes and colours) with the Tallawarra Stage A power station.
- 3.52 The Proponent **must** ensure that all external lighting associated with the project is mounted, screened, and directed in such a manner so as not to create a nuisance to the surrounding environment, properties and roadway. The lighting **must** be the minimum level of illumination necessary and **must** comply with *Australian Standard AS4282 1997 – Control of the Obtrusive Effects of Outdoor Lighting*.
- 3.53 Where aviation hazard lighting is recommended by CASA and/or AirServices Australia, all reasonable and feasible attempts **must** be made to ensure that this lighting is designed and directed so as not to create a nuisance to the surrounding environment, properties and roadway.

Aboriginal Heritage Impacts

- 3.54 The Proponent **must** take all reasonable and feasible measures to avoid the sites known as Yallah Gully 1 (National Parks and Wildlife Services Site ID 52-5-0248), Yallah Gully 2 (National Parks and Wildlife Services Site ID 52-5-0247), Yallah Gully 3 (National Parks and Wildlife Services Site ID 52-5-0246) and Yallah Site 2 (National Parks and Wildlife Services Site ID 52-5-0122) during the construction of the project, and develop site-specific mitigation measures to ensure that they are not impacted by construction or operation of the power station and any associated infrastructure. If impacts are unavoidable, mitigation measures are to be negotiated with the Aboriginal community and [Heritage NSW](#).
- 3.55 If during the course of construction or operation of the project the Proponent uncovers any previously unidentified Aboriginal cultural objects, all works likely to affect the object(s) **must** cease in the immediate area to prevent any further impact to the find(s) and [Heritage NSW](#) informed. A suitably qualified archaeologist and Aboriginal community representatives **must** be contacted to determine the significance of the find(s) and appropriate management measures. The Proponent **must** register the site and management outcome in the Aboriginal Heritage Information Management System (AHIMS) in accordance with the *National Parks and Wildlife Act 1974*. Works are not to resume until approval in writing is received from [Heritage NSW](#).
- 3.56 Where ground disturbance is proposed (for example excavation or removal of vegetation) in the vicinity of Yallah Creek, prior to commencing construction, the Proponent **must** undertake further archaeological surveying and assessment with the aim of identifying any Aboriginal cultural heritage values which may be impacted by the project. The Proponent **must** ensure monitoring by Local Aboriginal Land Council representatives during such works.

Traffic and Transport Impacts

- 3.57 Upon determining the haulage route(s) for construction vehicles associated with the project, the Proponent **must** commission an independent, qualified person or team to undertake a **Road Dilapidation Report** for Yallah Bay Road. The report **must** assess the current condition of the road and describe mechanisms to restore any damage that may result due to traffic and transport related to the construction of the project. The Report **must** be submitted to the relevant road authority for review prior to the commencement of haulage.

The Proponent **must** ensure that any measures to restore or reinstate roads affected by the project are undertaken in a timely manner, in accordance with the requirements of and to the satisfaction of the relevant road authority, and at the full expense of the Proponent. In the event of a dispute between the parties with respect to the extent of restorative work that may be required under this condition, any party may refer the matter to the **Secretary** for resolution. The **Secretary**'s determination of any such dispute **must** be final and binding on the parties.

Waste Generation and Management

- 3.58 All waste materials removed from the site **must** only be directed to a waste management facility lawfully permitted to accept the materials.
- 3.59 The Proponent **must**, to the extent that is reasonable and feasible, maximise the treatment, reuse and/or recycling on the project site of any waste oils, excavated soils, vegetation, slurries, sludges or other solid and liquid waste materials associated with the project, to minimise the need for treatment or disposal of those materials outside the power station.
- 3.60 The Proponent **must** not cause, permit or allow any waste generated outside the site to be received at the site for storage, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by a licence under the *Protection of the Environment Operations Act 1997*, if such a licence is required in relation to that waste.
- 3.61 The Proponent **must** ensure that all liquid and/or non-liquid waste generated on the site is assessed and classified in accordance with *Waste Classification Guidelines* (**EPA**, 2009), or any superseding document.

4. ENVIRONMENTAL MONITORING AND AUDITING

Operational Noise Review

- 4.1 Within 90 days of the commencement of operation of the project, or as may be agreed by the **Secretary**, and during a period in which the project is operating under design loads and normal operating conditions, the Proponent **must** undertake an **Operational Noise Review** to confirm the noise emission performance of the project. The Review **must** be prepared in consultation with, and to the satisfaction of, the **EPA**.
- 4.2 Noise monitoring is to be consistent with the guidelines provided in the *Noise Policy for Industry (NSW EPA, 2017)* and must include attended noise monitoring at the receiver locations identified in Table 1 and Table 2. The noise assessment must include monitoring of operations that have the potential to cause offensive noise including, but not limited to, safety valve operation, blowdown operation and the operation of circuit breakers during the day, evening and night time periods at the locations defined in condition 3.5 of this approval.
- 4.3 For the purpose of assessment of noise emissions, noise from the project **must** be:
- measured at the most affected point within the residential boundary or at the most affected point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary;
 - measured at one metre from the dwelling facade to determine compliance with the L_{Amax} noise limits specified in Table 1 and in Table 2 of this approval; and
 - in the case of the proposed residential areas within the Tallawarra Lands, measured at the most affected point within each residential area.

Notwithstanding, should direct measurement of noise from the project be impractical, the Proponent may employ an alternative noise assessment method deemed acceptable by the **EPA** (refer to *Noise Policy for Industry (NSW EPA, 2017)*). Details of such an alternative noise assessment method accepted by the **EPA** **must** be submitted to the **Secretary** prior to the implementation of the assessment method.

- 4.4 A report providing the results of the **Operational Noise Review** **must** be submitted to the **Secretary** and the **EPA** within 90 days of completion of the monitoring. The report **must** include, but not necessarily be limited to:
- a description of the methodologies for noise monitoring, including the location of monitoring sites and frequency of monitoring;
 - documentation of the operational noise levels at the locations defined in Table 1 and Table 2 of this approval as ascertained by the noise monitoring program;
 - an assessment of the noise performance of the project against the noise limits specified in Table 1 and Table 2 of this approval and the predicted noise levels as detailed in the report referred to under condition 1.1c) of this approval;
 - details of the meteorological conditions prevailing during the monitoring; and
 - details of any entries in the Complaints Register (condition 6.3 of this approval) relating to noise impacts.

Ongoing Operational Noise Monitoring

- 4.5 The Proponent **must** prepare and implement an **Operational Noise Monitoring Program** to assess ongoing compliance against the operational noise limits set out in condition 3.5 of this approval. The noise monitoring program **must** be prepared in consultation with, and to the satisfaction of, the **EPA**. Noise monitoring is to be consistent with the guidelines provided in the **Noise Policy for Industry (NSW EPA, 2017)** and must include, but not be limited to:
- noise monitoring at the locations specified in Table 1 and Table 2 of this approval, in accordance with the requirements of condition 4.3 of this approval;
 - attended noise monitoring;
 - monitoring of operations that have the potential to cause offensive noise including, but not limited to, safety valve operation, blowdown operation and the operation of circuit breakers during the day, evening and night time periods; and
 - monitoring of the effectiveness of any noise mitigation measures implemented under condition 3.6 of this approval, against the noise limits specified in condition 3.5 of this approval.

A report providing the results of the program **must** be submitted to the **Secretary** and the **EPA** within 28 days of completion of each monitoring event.

The monitoring program **must** form part of the Operational Noise Management Plan referred to in condition 7.5 of this approval.

- 4.6 Ongoing noise monitoring **must** be undertaken by the Proponent on an annual basis and as may be directed by the **Secretary**. The requirements for ongoing annual noise monitoring will be determined by the **Secretary** based on the results collected.

Air Quality Monitoring

- 4.7 The Proponent **must** monitor (by sampling and obtaining results by analysis) the pollutant concentrations or parameters specified in Table 9 at each of the turbine stack monitoring/discharge points described in Table 7 during operation. Monitoring must be undertaken during maximum load, using the specified sampling method, units of measure, and sample at the frequency in Table 9, unless otherwise agreed to by the EPA.

Table 9 – Periodic Pollutant/Parameter Monitoring (Air)

Pollutant/Parameter	Units of Measure	Frequency	Sampling Method
Nitrogen dioxide (NO ₂) or nitric oxide (NO) or both, as NO ₂ equivalent	ppm	Continuous	CEM-2 and US EPA Procedure 1
Moisture	%	Continuous	Special Method 1 and US EPA Procedure 1
Oxygen	%	Continuous	CEM-3 and US EPA Procedure 1
Temperature	°C	Continuous	TM-2 and US EPA Procedure 1

Pollutant/Parameter	Units of Measure	Frequency	Sampling Method
Velocity	m/s	Continuous	CEM-6 and US EPA Procedure 1
Volumetric flow rate	m ³ /s	Continuous	CEM-6 and US EPA Procedure 1
Selection of sampling positions	-	-	TM-1

Note:

For the purpose of the Table above, Special Method 1 means any moisture monitoring method approved in writing by the EPA and US EPA Procedure 1. The sampling methods are those specified in the Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (EPA, 2016), or its latest version.

Air Quality Performance Verification

- 4.8 Within six months of the commencement of operation of the project, or as may be agreed or directed by the Secretary, and during a period in which the project is operating at both maximum design loads and under normal operating conditions, the Proponent **must** undertake a program to confirm the air emission performance of the project. The program **must** include, but not necessarily be limited to:
- point source emission sampling and analysis subject to the requirements listed under condition 4.7 to determine compliance with the stack discharge concentration limits identified in condition 3.24;
 - a comprehensive air quality impact assessment, using actual air emission data collected under a). The assessment **must** be undertaken strictly in accordance with the methods outlined in *Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in New South Wales* (EPA, 2017), or its latest version;
 - a comparison of the results of the air quality impact assessment required under b) above, and the predicted air quality impacts detailed in the Air Quality Assessment, Tallawarra B Permit Modification: Air Quality Assessment, EnergyAustralia, Katestone, dated June 2020;
 - a comparison of the results of the air quality impact assessment required under b) above, and the impact assessment criteria detailed in *Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW* (EPA, 2017), or its latest version; and
 - details of any entries in the Complaints Register (condition 6.3 of this approval) relating to air quality impacts.

A report providing the results of the program **must** be submitted to the Secretary and EPA within two months of completion of the testing program required under 4.8a) for both operating scenarios.

- 4.9 In the event that results of the air dispersion modelling indicates that the operation of the project, under maximum design loads or normal operating conditions, will lead to:
- greater point source emissions of air pollutants than permitted under Condition 3.24 of this approval; or
 - greater ground-level concentrations of air pollutants than the impact assessment criteria detailed in *Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales* (EPA 2017);

then the Proponent **must** provide details of remedial measures to be implemented to reduce point source emissions and/ or ground-level concentrations of air pollutants to no greater than permitted under this approval. Details of the remedial measures and a timetable for implementation **must** be submitted to the EPA for approval within such period as the EPA may require, unless agreed otherwise by Secretary.

Water Quality Monitoring

4.10 Deleted.

4.11 Deleted.

4.12 Deleted.

4.13 Deleted.

Weather Monitoring

4.14 The Proponent **must** monitor the weather parameters in Table 10 on site in accordance with the specified sampling methods, units of measure, averaging periods and frequency.

Table 10 - Weather Monitoring

Parameter	Units of Measure	Frequency	Averaging Period	Sampling Method
Rainfall	mm	Continuous	1 hour	AM-4
Wind speed @ 10 metres	m/s	Continuous	15 minute	AM-2 & AM-4
Wind direction @ 10 metres		Continuous	15 minute	AM-2 & AM-4
Temperature @ 2 metres	°C	Continuous	15 minute	AM-4
Temperature @ 10 metres	°C	Continuous	15 minute	AM-4
Sigma theta @ 10 metres		Continuous	15 minute	AM-2 & AM-4
Solar radiation	W/m ²	Continuous	15 minute	AM-4
Additional requirements - Siting - Measurement				AM-1 & AM-4 AM-2 & AM-4

Hazard Audit

4.15 Twelve months after the commencement of operation of the project, or within such period otherwise agreed by the **Secretary**, the Proponent **must** commission an independent, qualified person or team to undertake a comprehensive Hazard Audit of the project. Further Hazard Audits **must** be undertaken every three years thereafter. Hazard Audits **must** be carried out in accordance with the Department's publication *Hazardous Industry Planning Advisory Paper No. 5 - Hazard Audit Guidelines*.

5. COMPLIANCE REPORTING AND AUDITING

5.1 The Proponent **must** notify the Department within 24 hours of an incident occurring. The notification **must** be made using the Department's Major Projects website and address details of the incident including:

- date, time and location of the incident;
- a brief description of what occurred and why it has been classified as an incident;
- a description of what immediate steps were taken in relation to the incident; and
- identifying a contact person for further communication regarding the incident.

5.1A The Proponent **must** provide the Department with a subsequent incident report in accordance with Appendix 1.

Non-Compliance Notification

5.2 Within seven days of becoming aware of a non-compliance, the Proponent **must** notify the Department of the non-compliance within seven days of a non-compliance occurring. The notification **must**:

- be in writing and **must** be submitted via the Department's Major Projects Website;
- identify the development (including the development application number and name);
- set out the condition of this consent that the development is non-compliant with, why it does not comply, the reasons for the non-compliance (if known); and

- d) set out what actions have been, or will be, undertaken to address the non-compliance.

Note: A non-compliance which has been notified as an incident does not need to also be notified as a noncompliance.

5.3 Deleted.

5.4 Deleted.

Compliance Reporting

- 5.5 Compliance Reports of the project must be carried out in accordance with the Compliance Reporting Requirements outlined in the *Compliance Reporting Post Approval Requirements (2020)*.
- 5.6 Compliance Reports must be submitted to the Department in accordance with the timeframes set out in the *Compliance Reporting Post Approval Requirements (2020)*, unless otherwise agreed to by the Secretary.
- 5.7 The Proponent must make each Compliance Report publicly available within 60 days of submitting it to the Secretary, unless otherwise agreed by the Secretary.
- 5.8 Notwithstanding the requirements of the *Compliance Reporting Post Approval Requirements (2020)*, the Secretary may approve a request for ongoing annual operational compliance reports to be ceased, where it has been demonstrated to the Secretary's satisfaction that an operational compliance report has demonstrated operational compliance.

Independent Environmental Audit

- 5.9 An independent environmental audit must be undertaken for the project. The audit must be:
 - a) undertaken within six months of commencing operations, and every three years thereafter, unless the Secretary directs otherwise;
 - b) led by a suitably qualified, experienced, and independent auditor whose appointment has been endorsed by the Secretary;
 - c) prepared in accordance with the *Independent Audit Post Approval Requirements (NSW Government, 2020, or latest version)*; and
 - d) undertaken to the satisfaction of the Secretary, and an audit report must be submitted within two months of undertaking the independent audit site inspection, unless otherwise agreed by the Secretary.
- 5.10 Deleted.
- 5.11 Deleted.
- 5.12 In accordance with the specific requirements in the *Independent Audit Post Approval Requirements (2020)*, the Proponent must:
 - a) review and respond to each Independent Audit Report prepared under condition 5.9 of this approval where notice is given by the Secretary;
 - b) submit the response to the Secretary and any other NSW agency that requests it, together with a timetable for the implementation of the recommendations of the independent audit report;
 - c) implement the recommendations to the satisfaction of the Secretary; and
 - d) make each Independent Audit Report, and response to it, publicly available within 60 days of submission to the Secretary.
- 5.13 Deleted.

5.14 Deleted.

6. COMMUNITY INFORMATION, CONSULTATION AND INVOLVEMENT

- 6.1 Subject to confidentiality, the Proponent **must** make all documents required under condition 6.4 of this approval available for public inspection on request.

Complaints Procedure

- 6.2 Prior to the commencement of construction of the project, the Proponent **must** ensure that the following are available for community complaints for the life of the project (i.e. construction and operation):
- a telephone number on which complaints about construction and operational activities at the site may be registered;
 - a postal address to which written complaints may be sent; and
 - an email address to which electronic complaints may be transmitted.

The telephone number, the postal address and the email address **must** be displayed on a sign near the entrance to the site, in a position that is clearly visible to the public, and which clearly indicates the purpose of the sign.

The telephone number, postal address and email address **must** be published in a newspaper circulating in the local area prior to the commencement of construction of the project and prior to the commencement of operation. The details **must** also be provided on the website required by condition 6.4 of this approval.

- 6.3 The Proponent **must** record details of all complaints received through the means listed under condition 6.2 of this approval in an up-to-date Complaints Register. The Register **must** record, but not necessarily be limited to:
- the date and time of the complaint;
 - the means by which the complaint was made (telephone, mail or email);
 - any personal details of the complainant that were provided, or if no details were provided, a note to that effect;
 - the nature of the complaint;
 - any action(s) taken by the Proponent in relation to the complaint, including any follow-up contact with the complainant; and
 - if no action was taken by the Proponent in relation to the complaint, the reason(s) why no action was taken.

The Complaints Register **must** be made available for inspection by the **Secretary** upon request.

The Complaints Register for the project may be incorporated into an existing complaints handling system managed by the Proponent if it is demonstrated to meet the requirements of condition 6.3.

Access to Information

- 6.4 Before the commencement of construction until the completion of all rehabilitation required under this approval, the Proponent **must**:
- make the following information and documents (as they are obtained, approved or as otherwise stipulated within the conditions of this approval) publicly available on its website:
 - the EA;
 - all current statutory approvals for the project;
 - all approved strategies, plans and programs required under the conditions of this approval;
 - the proposed staging plans for the project if the construction, operation or decommissioning of the project is to be staged;

- regular reporting on the environmental performance of the project in accordance with the reporting requirements in any plans or programs approved under the conditions of this approval;
 - a comprehensive summary of the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans and programs;
 - a summary of the current phase and progress of the project;
 - contact details to enquire about the development or to make a complaint;
 - a complaints register, updated monthly;
 - the Annual Reviews of the project;
 - audit reports prepared as part of any Independent Environmental Audit of the project and the Proponent's response to the recommendations in any audit report;
 - any other matter required by the Secretary; and
- b) keep such information up to date, to the satisfaction of the Secretary.

Community Consultation

- 6.5 At least one month prior to the commencement of construction of the project, or within such a period otherwise agreed by the **Secretary**, the Proponent **must** prepare and implement a Community Consultation Program. The program **must** be ongoing throughout the construction phase of the project and for at least the first 12 months of operation. The program **must** include, but not necessarily be limited to:
- a) the general types of information on the timing, progress, construction, operation and environmental management of the project;
 - b) the means by which the information would be provided to the community (for example, presented at regular meetings, published in regular newsletters etc);
 - c) the spatial extent of the community to be consulted; and
 - d) a mechanism through which the community can provide feedback to the Proponent in relation to the environmental management and impacts of the development.

The Program **must** be submitted for the approval of the **Secretary**, prior to the commencement of construction of the development.

7. ENVIRONMENTAL MANAGEMENT

Environmental Representative

- 7.1 At least one month prior to the commencement of any site preparation and/or construction activities, or as otherwise agreed by the **Secretary**, the Proponent **must** nominate for the approval of the **Secretary** a suitably qualified and experienced Environmental Representative(s) independent of the design and construction personnel. The Proponent **must** engage the Environmental Representative(s) during all construction activities, or as otherwise agreed by the **Secretary**. The Environmental Representative(s) **must** be the Proponent's principal point of advice in relation to the environmental performance of the project and **must** have responsibility for:
- a) overseeing the implementation of all construction environmental management plans and monitoring programs required under this approval, and advise the Proponent upon the achievement of these plans/programs;
 - b) considering and advising the Proponent on its compliance obligations against all matters specified in the conditions of this approval and the Statement of Commitments as referred to under condition 1.1c) of this approval, and permits and licences; and
 - c) having the authority and independence to recommend to the Proponent reasonable steps to be taken to avoid or minimise unintended or adverse environmental impacts, and, failing the effectiveness of such steps, to recommend to the Proponent that relevant activities are to be ceased as soon as reasonably practicable if there is a significant risk that an adverse impact on the environment will be likely to occur.

Construction Environmental Management Plan

7.2 The Proponent **must** prepare a **Construction Environmental Management Plan (CEMP)** to outline environmental management practices and procedures to be followed during construction of the project. **The CEMP must be consistent with the *Guideline for the Preparation of Environmental Management Plans* (Department of Infrastructure, Planning and Natural Resources, 2004), or its latest version, and must include, but not necessarily be limited to:**

- a) a description of all activities to be undertaken on the site during construction including an indication of stages of construction;
- b) statutory and other obligations that the Proponent is required to fulfil prior to and during construction including all approvals, consultations and agreements required from authorities and other stakeholders, and key legislation and policies;
- c) details of how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified potential adverse environmental impacts. In particular, the following environmental performance issues **must** be addressed in the Plan -
 - i) measures to monitor and manage dust emissions **in consultation with the EPA**,
 - ii) measures, prepared in consultation with Wollongong City Council, to reduce the visual impacts of the project, including landscape plans illustrating the proposed landscape planting and any embankment works,
 - iii) measures, prepared in consultation with Wollongong City Council, for managing and reducing potential flooding; and
- d) electricity transmission route alignment sheets identifying the exact location of the proposed transmission lines and the location of any threatened species, threatened species habitat and Aboriginal objects in the vicinity;
- e) a description of the roles and responsibilities for key personnel involved in the construction of the project;
- f) the issue-specific management plans required under condition 7.3 of this approval; and
- g) complaints handling procedures during construction consistent with condition 6.2 of this approval.

The Plan **must** be submitted for the approval of the **Secretary** no later than one month prior to the commencement of any construction works associated with the project, or within such period otherwise agreed by the **Secretary**. Construction works **must** not commence until written approval has been received from the **Secretary**.

The Proponent must implement the approved CEMP for the project.

7.3 As part of the **CEMP** for the project, required under condition 7.2 of this approval, the Proponent **must** prepare and implement the following:

- a) a **Noise Management Plan** to detail measures to mitigate and manage noise during construction works, consistent with the *Interim Construction Noise Guideline* (Department of Environment and Climate Change, 2009), **or its latest version**. The Plan **must** include, but not necessarily be limited to -
 - i) procedures to ensure that all reasonable noise mitigation measures are applied during construction works,
 - ii) details of construction activities (including construction traffic) and equipment that have the potential to generate noise and/or vibration impacts on sensitive receivers,
 - iii) the construction noise and vibration objectives for the project and all reasonable and feasible noise and vibration mitigation measures that will be implemented to control construction noise and vibration impacts, particularly where the objectives are predicted to be exceeded,
 - iv) procedures for assessing noise levels at sensitive receivers and compliance, and
 - v) procedures for notifying sensitive receivers of construction activities that are likely to affect their noise and vibration amenity;

- b) a **Traffic Management Plan** prepared in consultation with TfNSW, Wollongong City Council and emergency services to manage the construction traffic and access impacts of the project including, but not necessarily limited to -
 - i) details of how construction of project infrastructure will be managed in proximity to local and regional roads,
 - ii) details of traffic routes for heavy vehicles, including any necessary route or timing restrictions for oversized loads,
 - iii) construction vehicle volumes (construction personnel, heavy vehicle movements and oversized loads),
 - iv) measures to ensure traffic volume, acoustic and amenity impacts along construction vehicle routes are minimised,
 - v) details of construction activities that would require disruption to traffic such as road closures and measures to minimise impacts,
 - vi) a Construction Vehicle Code of Conduct to set driver behaviour controls to minimise impacts on land uses along haulage routes, and
 - vii) evidence that all statutory responsibilities with regard to road traffic impacts have been complied with;
- c) **Flora and Fauna Management Plan** to manage flora and fauna impacts during construction in consultation with the BCS. The Plan must include, but not necessarily be limited to:
 - i) details of all impacted and potentially affected threatened flora and fauna species (including ecological communities) and specific management procedures for each of these species,
 - ii) general management procedures for both the removal of redundant transmission lines and construction of new transmission lines within vegetated areas, including the procedures for clearing vegetation and minimising the extent of clearing, weed management and the rehabilitation of any disturbed vegetation, and
 - iii) proposed revegetation and rehabilitation measures, including completion criteria and monitoring, for any cleared areas, offset areas, and riparian zones along Yallah Creek;
- d) a **Soil and Water Management Plan** prepared in consultation with the DCCEEW Water, EPA and Wollongong City Council to detail measures to mitigate and manage soil erosion and the discharge of sediment and other pollutants to land and/or water during construction. The Plan must include, but not necessarily be limited to:
 - a) identification of the construction activities that could cause soil erosion or discharge sediment or water pollutants from the site,
 - b) a description of the management methods to minimise soil erosion or discharge of sediment or water pollutants from the site, including a strategy to minimise the area of bare surfaces and stabilise disturbed areas, and plan drawings showing the locations for sediment and erosion control measures,
 - c) demonstration that the proposed erosion and sediment control measures will conform with, or exceed, the relevant requirements of *Managing Urban Stormwater: Soils and Construction* (Landcom, 2004),
 - d) details on the installation, monitoring and maintenance requirements for each of the recommended measures for erosion and sediment control,
 - e) details of stormwater overflow paths and measures for managing overflows,
 - f) detailed drawings of any engineering structures such as sediment and evaporation ponds, including design standards and management regimes; and
- e) **Aboriginal Cultural Heritage Management Plan** to manage potential Aboriginal cultural heritage impacts during construction in consultation with Heritage NSW. The Plan must include, but not necessarily be limited to:
 - i) procedures for the management of any recorded sites within the project area including those required under condition 3.54 of this approval,
 - ii) an Aboriginal Cultural Education Program for the induction of personnel and contractors involved in the construction of the project,
 - iii) details of proposed further archaeological investigations and/or salvage projects prior to impact as required under condition 3.56 of this approval,
 - iv) identification and management of previously unrecorded sites,

- v) details of an appropriate keeping place agreement with local Aboriginal community representatives for any Aboriginal objects salvaged through the development process, and
- vi) procedures for ongoing Aboriginal consultation and involvement.

Operation Environmental Management Plan

7.4 The Proponent **must** prepare an **Operation Environmental Management Plan (OEMP)** to detail an environmental management framework and the practices and procedures to be followed during operation of the project. The Plan **must** be consistent with *Guideline for the Preparation of Environmental Management Plans* (Department of Infrastructure, Planning and Natural Resources, 2004), **or its latest version**, and **must** include, but not necessarily be limited to:

- a) identification of all relevant statutory and other obligations that the Proponent is required to fulfil in relation to operation of the project, including all relevant approvals, licences, and permits;
- b) overall environmental policies, guidelines and principles to be applied to the operation of the project;
- c) relevant standards to be applied to the project and details of how the environmental performance of the operation of the project will be monitored and managed to meet the standards. Environmental performance issues **must** include, but not be limited to –
 - i) measures to monitor and maintain offset measures implemented in accordance with condition 3.41 of this approval,
 - ii) methods to monitor and maintain revegetated areas (including riparian areas) during the establishment phase and long term,
 - iii) ongoing measures to monitor and control the spread of weeds,
 - iv) ongoing measures to control soil erosion and sedimentation;
 - v) water management plan, prepared in consultation with the **EPA**, identifying clean water and dirty water (i.e. waste water streams) areas on site maps, waste water volumes, sources and pollutants, and details of the water management measures to be implemented to manage the specific pollutant streams and clean water runoff,
 - vi) procedures for planned and unplanned water discharges from the site, and
 - vii) emergency response procedures in the event of flooding;
- d) a description of the roles and responsibilities for all relevant employees involved in the operation of the project;
- e) a means by which environmental performance can be periodically reviewed and improved, where appropriate and what actions will be taken to address identified potential adverse environmental impacts;
- f) **Removed**;
- g) management policies to ensure that environmental performance goals are met and to comply with the conditions of this approval; and
- h) the environmental monitoring requirements outlined under conditions 4.5 to 4.14 of this approval, inclusive.

The Plan **must** be submitted for the approval of the **Secretary** no later than one month prior to the commencement of operation of the project, or within such period otherwise agreed by the **Secretary**. Operation **must** not commence until written approval has been received from the **Secretary**.

The Proponent must implement the approved OEMP for the project.

7.5 As part of the **OEMP** for the project, required under condition 7.4 of this approval, the Proponent **must** prepare and implement the following Management Plans:

- a) an **Air Quality Management Plan** **in consultation with the EPA** to outline measures to manage impacts from the project on local and regional air quality. The Plan **must** include, but not necessarily be limited to -

- i) identification of all major sources of particulate and gaseous air pollutants that may be emitted from the project, being both point-source and diffuse emissions, including identification of the major components and quantities of these emissions,
- ii) monitoring for gaseous and particulate emissions from the project,
- iii) procedures for the minimisation of gaseous and particulate emissions from the project, including pro-active and reactive management and response mechanisms, with specific reference to measures to be implemented and actions to be taken to minimise and prevent potential elevated air quality impacts on surrounding land uses as a consequence of meteorological conditions, upsets within the project, or the mode of operation of the project at any time,
- iv) specific procedures for the management of generating efficiency and the minimisation of greenhouse gas emissions per unit of electricity generated,
- v) procedures aimed at maximising the efficiency of the start-up and shut-down cycles for the project,
- vi) provision for regular review of air quality monitoring data, with comparison of results against the predictions made in the document listed under condition 1.1c) of this approval,
- vii) plans for regular maintenance of process equipment to minimise the potential for leaks and fugitive emissions, and
- viii) a contingency plan should an incident, process upset or other initiating factor lead to elevated air quality impacts, whether above normal operating conditions or environmental performance goals/ limits; and
- b) a **Noise Management Plan** in consultation with the EPA to detail measures to mitigate and manage noise during operation of the project. The Plan **must** include, but not necessarily be limited to -
 - i) identification of the noise limits specified under this approval,
 - ii) identification of operational activities that will be carried out and the associated noise sources,
 - iii) details of all management methods, procedures and mitigation measures that will be implemented to control individual and overall noise emissions from the site during operation,
 - iv) procedures for periodic consideration of noise impacts against the noise limits specified under this approval,
 - v) noise monitoring and reporting procedures, and
 - vi) procedures to generate suitable documentation for annual environmental auditing, that demonstrates that the noise limits specified under this approval are being met.

Environmental Management Strategy

- 7.6 Prior to commencing construction, the Proponent must prepare an Environmental Management Strategy for the project to the satisfaction of the Secretary. This strategy must:
- a) provide the strategic framework for environmental management of the project;
 - b) identify the statutory approvals that apply to the project;
 - c) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;
 - d) describe the procedures that would be implemented to:
 - keep the local community and relevant agencies informed about the operation and environmental performance of the project;
 - receive, handle, respond to, and record complaints;
 - resolve any disputes that may arise;
 - respond to any non-compliance;
 - respond to emergencies; and
 - e) include:
 - references to any strategies, plans and programs approved under the conditions of this approval; and
 - a clear plan depicting monitoring to be carried out under the conditions of this approval.

Following the Secretary's approval, the Proponent must implement the Environmental Management Strategy.

Revision of Strategies, Plans and Programs

- 7.7 Within 3 months, unless the Secretary agrees otherwise, of:
- a) the submission of an incident report under condition 5.1 of this approval;
 - b) the submission of an Independent Environmental Audit report under condition 5.9 of this approval;
 - c) the approval of any modification to the conditions of this approval; or
 - d) a direction from the Secretary under condition 1.3 of this approval;

the Proponent must review and, if necessary, revise the studies, strategies or plans required under the conditions of approval to the satisfaction of the Secretary.

Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted to the Secretary for approval, unless otherwise agreed with the Secretary.

Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.

Updating and Staging of Studies, Strategies and Plans

- 7.8 To ensure the studies, strategies and plans for the project are updated on a regular basis and incorporate any required measures to improve the environmental performance of the project, the Proponent may submit revised studies, strategies or plans required for the project under the conditions of approval at any time. With the agreement of the Secretary, the Proponent may also submit any study, strategy or plan required under the conditions of this approval on a staged basis.

The Secretary may approve a revised strategy or plan required under the conditions of approval, or the stage submission of these documents, at any time. With the approval of the Secretary, the Proponent may prepare the revised or staged strategy or plan without undertaking consultation with all parties nominated under the applicable condition in this approval.

Notes:

- While any study, strategy or plan may be submitted on a progressive basis, the Proponent must ensure that the existing operations on site are covered by suitable studies, strategies or plans at all times.
 - If the submission of any study, strategy or plan is to be staged, then the relevant study, strategy or plan must clearly describe the specific stage to which the study, strategy or plan applies, the relationship of this stage to any future stages, and the trigger for updating the study, strategy or plan.
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APPENDIX 1: INCIDENT NOTIFICATION AND REPORTING REQUIREMENTS

WRITTEN INCIDENT NOTIFICATION REQUIREMENTS

1. A written incident notification addressing the requirements set out below must be submitted to the Secretary via the Major Projects website within seven days after the Proponent becomes aware of an incident. Notification is required to be given under this condition even if the Proponent fails to give the notification required under condition 5.1 or, having given such notification, subsequently forms the view that an incident has not occurred.
2. Written notification of an incident must:
 - a) identify the development and application number;
 - b) provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident);
 - c) identify how the incident was detected;
 - d) identify when the Proponent became aware of the incident;
 - e) identify any actual or potential non-compliance with conditions of approval;
 - f) describe what immediate steps were taken in relation to the incident;
 - g) identify further action(s) that will be taken in relation to the incident; and
 - h) identify a project contact for further communication regarding the incident.
3. Within 30 days of the date on which the incident occurred or as otherwise agreed to by the Secretary, the Proponent must provide the Secretary and any relevant public authorities (as determined by the Secretary) with a detailed report on the incident addressing all requirements below, and such further reports as may be requested.
4. The Incident Report must include:
 - a) a summary of the incident;
 - b) outcomes of an incident investigation, including identification of the cause of the incident;
 - c) details of the corrective and preventative actions that have been, or will be, implemented to address the incident and prevent recurrence; and
 - d) details of any communication with other stakeholders regarding the incident.