



Application for Works Approval Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Works Approval Number	W6510/2021/1
Works Approval Holder	Blue Phoenix Western Australia Pty Ltd
ACN	641 506 318
File Number	APP-0030851
Premises	Hope Valley IBA Facility 67 Investigator Drive HOPE VALLEY WA 6165 Legal description – Lot 1074 on Deposited Plan 420130 Certificate of Title Volume 4001 Folio 816 As defined by the premises maps attached to the revised works approval
Date of Report	15 September 2025
Decision	Revised works approval granted

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1. Decision summary

Works Approval W6510/2021/1 is held by Blue Phoenix Western Australia Pty Ltd (works approval holder) for the Hope Valley IBA Facility (the premises), located at 67 Investigator Drive, Hope Valley.

This amendment report documents the assessment of potential risks to the environment and to public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, revised works approval W6510/2021/1 has been granted.

The revised works approval issued as a result of this amendment consolidates and supersedes the existing works approval previously granted in relation to the premises.

1.1 Regulatory framework

In completing the assessment documented in this amendment report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

1.2 Application summary

On 29 August 2025, the works approval holder submitted an application to the department to amend works approval W6510/2021/1 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following primary amendments are being sought:

- An extension of the duration of time limited operations (TLO) by 180 days to ensure that current activities at the premises, which are authorised under the existing TLO, can continue while the licence application is under assessment.
- An increase in the quantity of incinerator bottom ash (IBA) that may be received for processing, as a result of the proposed extension to the TLO duration.

The licence application was submitted by the works approval holder on 31 March 2025. Due to the complexity of the proposal, the assessment requires a high level of detail and additional information from the applicant. This has resulted in an extended processing timeframe.

The application also includes a request to remove several works approval conditions. However, given that the current TLO is due to expire on 26 September 2025, there is insufficient time to properly consider and assess all the proposed amendments. It is therefore, recommended that the request to remove conditions be submitted separately under a new works approval amendment application, should this remain a priority for the works approval holder. These additional amendments will not be considered as part of the current assessment.

2. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

2.1 Source-pathways and receptors

2.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this amendment report are detailed in Table 1 below. Table 1 also details the proposed control measures the works approval holder has proposed to assist in controlling these emissions, where necessary.

Table 1: Works approval holder controls

Emission	Sources	Potential pathways	Proposed controls
Dust	Increase in quantity of IBA received for processing during time limited operations	Air/windborne pathway	Existing works approval conditions. No new controls have been proposed.
Noise		Air/windborne pathway	
Sediment laden stormwater	Delivery, handling and processing of IBA IBA and IBAA stockpiles Vehicle movements	Overland runoff	The applicant has confirmed that the maximum daily acceptance rate of IBA and the hourly processing rate will remain unchanged and within the assessed capacity of the plant under the current works approval.

2.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the works approval holder from its assessment. Protection of these parties often involves different exposure risks and prevention strategies and is provided for under other state legislation.

Table 2 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

Table 2: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from activity / prescribed premises
Surrounding Latitude 32 industrial development Armstrong Road, Investigator Drive and Carpentaria Link, HOPE VALLEY	Abutting premises boundary and east of Armstrong Road
Private residence/commercial property Conway Road, HOPE VALLEY	Approximately 300 m southwest of premises boundary
VenuesWest Perth MotorPlex, corner of Rockingham and Anketel Roads, KWINANA BEACH	Approximately 620 m south of premises boundary

Private residence/rural property Abercrombie Road, HOPE VALLEY	Approximately 1.2 km east southeast of premises boundary
Medina residents Medina Avenue, MEDINA	Approximately 2.5 km southeast of premises boundary
Environmental receptors	Distance from activity / prescribed premises
Crown Reserve (Type 3R; Parcel Identifier R 54039) Remnant Vegetation to the south, south-west, west, northwest and southeast of the premises	Remnant vegetation surrounds the southern part of the premises – the closest border of the reserve is 20 m south, 35 m south-west, 55 m southeast, 138 m west, northwest and, 172 m northwest and 380 m east (measured from the closest premises boundary).
Threatened fauna <ul style="list-style-type: none"> • Quenda (<i>Isodon fusciventer</i>) – Priority 4 • Perth slider (<i>Lerista lineata</i>) Endangered/Threatened • Carnaby's cockatoo (<i>Zanda latirostris</i>) 	Within 1 km of the premises
Threatened Ecological Communities (TEC's) Critically Endangered and Priority 3 (P3)	Approximately 750 m northeast of premises boundary. TEC buffer zone approximately 350 m east of premises boundary.
Swan Coastal Plain Geomorphic Wetland 6379 (Resource enhancement dampland)	Approximately 200 m west of premises boundary
Swan Coastal Plain Geomorphic Wetland 6380 (Resource enhancement dampland basin)	Approximately 920 m east of premises boundary
Swan Coastal Plain Wetland 15391 (Long Swamp - conservation category sumpland basin)	Approximately 1.1 km northeast of premises boundary.
Swan Coastal Plain Wetland 6376 (resource enhancement sumpland basin)	Approximately 1.5 km north-northwest of premises boundary.
Swan Coastal Plain Geomorphic Wetland 6381 (multiple use dampland basin)	Approximately 760 m east of premises boundary.
Cockburn Sound State Environmental (Cockburn Sound) Policy Area	Premises is within the policy catchment boundary and the policy's 'Moderate Ecological Protection Area' is approximately 1.8 km west from the premises boundary.

2.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 2.1. Where linkages are incomplete they have not been considered further in the risk assessment.

Where the works approval holder has proposed mitigation measures/controls (as detailed in Section 2.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the works approval holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the works approval as regulatory controls.

Additional regulatory controls may be imposed where the works approval holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 3.

The revised works approval W6510/2021/1 that accompanies this amendment report authorises an extension to time-limited operations. The conditions in the revised works approval have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

A licence is required following the time-limited operational phase authorised under the works approval to authorise emissions associated with the ongoing operation of the premises.

Table 3. Risk assessment of potential emissions and discharges from the Premises during time limited operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Works Approval Holder's controls sufficient?	Conditions ² of works approval	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Works Approval Holder's controls				
Time limited operation								
Increase in quantity of IBA received for processing during time limited operations Delivery, handling and processing of IBA IBA and IBAA stockpiles Vehicle movements	Dust	Pathway: Deposition of windblown dust (containing contaminants) onto surface water bodies and native vegetation Impact: Ecosystem disturbance or impact to surface water quality	Swan Coastal Plain Geomorphic Wetlands (closest 200 m west) Critically endangered/P3 Threatened Ecological Communities Fauna habitat (closest is reserve 54030)	Refer to Section 2.1	C = Moderate L = Possible Medium Risk	Y	Conditions 14-26, and 34-38	N/A
		Pathway: Air/windborne pathway Impact: Health and amenity	Industrial premises located to the immediate west, northwest and north of the premises. Industrial premises located 35 m to the east across Armstrong Road	Refer to Section 2.1	C = Moderate L = Possible Medium Risk	Y	Conditions 14-19, and 34-38	N/A
	Noise	Pathway: Air/windborne pathway Impact: Health and amenity	Residence/commercial property (closest 300 m east-southeast) Perth MotorPlex 620 m south	Refer to Section 2.1	C = Minor L = Possible Medium Risk	Y	Conditions 14-19, 30- 33, and 36-38	N/A

Risk Event					Risk rating ¹	Works Approval Holder's controls sufficient?	Conditions ² of works approval	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Works Approval Holder's controls	C = consequence L = likelihood			
	Sediment laden stormwater	Pathway: Overland runoff Impact: Ecosystem disturbance or impact to surface water quality	Swan Coastal Plain Geomorphic Wetlands (closest 200 m west) Critically endangered/P3 Threatened Ecological Communities Fauna habitat (closest is reserve 54030)	Refer to Section 2.1	C = Slight L = Unlikely Low Risk	Y	Conditions 14-19, 27-29, and 34-38	N/A

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk assessments* (DWER 2020).

Note 2: Proposed works approval holder's controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

3. Consultation

The works approval holder was provided with the draft works approval and amendment report on 8 September 2025. On 11 September 2025 the works approval holder waived the comment period.

4. Conclusion

Based on the assessment in this amendment report, the Delegated Officer has determined that a revised works approval will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

4.1 Summary of amendments

Table 4 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the revised works approval as part of the amendment process.

Table 4: Summary of works approval amendments

Condition no.	Proposed amendments
Condition 10(a)	Extend time limited operations from 300 days to 480 days.
Condition 14	The authorised quantity of Incinerator Bottom Ash (IBA) to be received during time-limited operations has been increased from 60,000 tonnes total to 110,000 tonnes per annual period. This increase aligns with the extension of the time-limited operations duration from 300 days to 480 days.

References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
3. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.