



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	DER2021/000046~2
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 map attached to the Revised Works Approval
Date of Report	18 January 2024
Decision	Revised works approval granted

Grace Campbell

**A/MANAGER WASTE INDUSTRIES
REGULATORY SERVICES**

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Table of Contents

1. Decision summary	1
2. Scope of assessment	1
2.1 Regulatory framework	1
2.2 Application summary	1
2.3 Ambient air quality monitoring	2
3. Risk assessment	3
3.1 Source-pathways and receptors	3
3.1.1 Emissions and controls	3
3.1.2 Receptors	5
3.2 Risk ratings	8
4. Consultation	12
5. Conclusion	12
5.1 Summary of amendments	12
References	13
Appendix 1: Summary of Works Approval Holder’s comments on risk assessment and draft conditions	14
Appendix 2: Application validation summary	15
Table 1: Works Approval Holder controls	3
Table 2: Human receptors and distance from prescribed activity	5
Table 3: Sensitive environmental receptors and distance from prescribed activity	6
Table 4: Risk assessment of potential emissions and discharges from the Premises during construction, commissioning and operation	9
Table 5: Consultation	12
Table 6: Summary of works approval amendments	12
Figure 1: Distance to sensitive receptors	7

1. Decision summary

Works Approval W6510/2021/1 is held by Blue Phoenix Western Australia Pty Ltd (Works Approval Holder) for the Hope Valley Incinerator Bottom Ash Facility (the Premises), located at 67 Investigator Drive, Hope Valley WA 6165.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the environmental commissioning and time limited 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. The Revised Works Approval has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

2. Scope of assessment

2.1 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>.

2.2 Application summary

The Hope Valley Incinerator Bottom Ash Facility will receive Incinerator Bottom Ash (IBA), produced from the incineration of solid waste, from the Avertas Kwinana Waste to Energy (WtE) plant, and will process the IBA to produce Incinerator Bottom Ash Aggregate (IBAA) and to recover recyclable metals.

A Works Approval to construct the premises was granted on 25 May 2021. Condition 1 of the Works Approval requires the Works Approval Holder to install particulate dust monitors on-site and to conduct ambient air monitoring during environmental commissioning and time limited operations. To date, the applicant has been unable to meet the requirements of this condition due to challenges in finding suitable locations to conduct air quality monitoring.

On 19 September 2023, 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 applicant is proposing to update air monitoring equipment parameters, locations and specifications.

The infrastructure specified in the Works Approval has been constructed, with the Environmental Compliance Report (ECR) submitted to the department on 10 February 2023. A review of the submitted ECR was undertaken, confirming the conditions of the Works Approval were met with the exception of the particulate dust monitoring requirements. Environmental commissioning is expected to commence in quarter 1, 2024 with Time Limited Operations (TLO) expected to commence in quarter 2 or 3, 2024.

As part of this amendment application the following amendments are being sought:

- Installation of one high-volume dust monitor to measure PM₁₀ (particulate matter less than 10 µm in diameter) and dust composition (particulate metals) once every 6 days for 24 hours (from 12am until 12am). The monitor is to be located at least 1 m above the limestone wall adjacent to the eastern premises boundary fence as depicted in Figure 4 of the Revised Works Approval.

- Installation of two continuous dust monitors to concurrently measure PM₁₀ and Total Suspended Particulates (TSP). One monitor is to be located within proximity of the high-volume dust monitor (noting that a 2 m distance between them is required) and the second monitor is to be located on the western edge of the prescribed premises boundary, south of the water tanks and south of the truck access route as depicted in Figure 4 of the Revised Works Approval.

As part of this amendment package, the department has updated the format and appearance of the Works Approval. Aside from amendments relating to this application, the obligations of the Works Approval Holder have not changed in updating the Works Approval. The full list of changes as they relate to this Revised Works Approval are detailed in Section 5.1.

2.3 Ambient air quality monitoring

The placement of the three dust monitors (dustrak or equivalent) in the indicative locations as required in the Works Approval issued on 25 May 2021 were deemed not appropriate and difficult to implement by the Works Approval Holder on 2 March 2023, due to site topography and site-based constraints. Between the planning and construction phases, a 9 m wall was constructed abutting the boundary on the western border of the premises, making siting a monitor in the selected northwestern location unsuitable, as it would not meet the required siting requirements. Finding ideal siting locations for all monitors away from tall infrastructure, within security fencing and with easy access for maintenance purposes was challenging. Additionally, IBA facilities in the United Kingdom are not required to monitor dust emissions; therefore the applicant proposed reducing air monitoring requirements to include one monitor in an alternative location.

The Department advised the Works Approval Holder on 31 May 2023 of the necessity to implement a dust monitoring program that will provide sufficient data to:

- Inform future management of dust emissions at the facility;
- Indicate whether dust management practices implemented at the facility are effective in managing dust emissions; and
- Inform site specific uncertainties relating to IBA/IBAA composition and characteristics and the nature of dust emissions specific to this locality and climate (waste types received and climatic conditions vary between facilities and there is no historical experience of waste to energy facilities operating in Western Australia to use as a comparison).

Despite the siting constraints, the Department also advised that suitable and reliable data could still be obtained from the proposed locations providing air monitoring equipment is installed:

- with the intent of the Australian standards in mind;
- with a 120° clear sky angle in the direction of dust sources; and
- more than 1 m from walls/solid structures (to ensure sufficient air flow around the sampling inlets).

In response, a meeting with the Works Approval Holder was arranged to discuss the challenges in siting the dust monitors and DWER officers were subsequently invited to attend the site on 11 July 2023 to gain a better understanding of siting constraints.

On 15 August 2023, following the meeting and site visit, the Department provided alternative air quality monitoring equipment, parameters, installation requirements, sampling regime and siting locations that would improve the quality of data obtained, and therefore would be suitable to include in an application to amend the Works Approval.

IBA typically contains heavy metals which, even in low concentrations, can have adverse impacts on sensitive receptors. Continuous ambient air boundary monitoring for PM₁₀ in the locations specified in this amendment was proposed due to the proximity of the premises to sensitive environmental and human receptors and due to potentially elevated levels of heavy metals and contaminants in IBA/IBAA dust emissions. A high volume PM₁₀ sampler to determine the concentration of particulate metals present in dust emissions and two continuous dust monitors to measure PM₁₀ and TSP would provide qualitative as well as quantitative data to inform future management of dust emissions better than three Dustrak (or equivalent) dust monitors given site and IBA/IBAA characteristics.

The application for a Works Approval amendment to update air monitoring requirements, as outlined in Section 2.2, was submitted by the applicant on 19 September 2023.

3. 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.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises construction, environmental commissioning and time limited operations 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
Noise	Vehicle movements and air monitoring equipment installation Delivery, handling, unloading, processing and storage of IBA and IBAA during environmental commissioning and time limited operations.	Air/windborne pathway causing impacts to health and amenity	<ul style="list-style-type: none"> – Restricted operating hours of 07:00-19:00 Monday to Saturday; – White noise reversing alarms for mobile plant; – Restricted speed limit (10 km/hr); – Equipment used on-site to adhere to noise control standards; – Adequate separation distance from sensitive receptors; – Equipment maintenance; and – Use of modern equipment.

Emission	Sources	Potential pathways	Proposed controls
Dust	<p>Vehicle movements and air monitoring equipment installation</p> <p>Delivery, handling, unloading, processing and storage of IBA and IBAA during environmental commissioning and time limited operations</p>	<p>Air/windborne pathway causing impacts to health and amenity</p> <p>Deposition of windblown dust (containing contaminants) onto surface water bodies and native vegetation</p>	<ul style="list-style-type: none"> – Use of mulch or chemical dust control; – Restricted speed limit (10 km/hr); – Fixed and mobile water sprays (cannons); – Transfer points enclosed and equipped with point-source dust extraction systems with ventilation air ducted to reverse pulse filter systems; – Enclosed conveyors and screens; – All major items of processing equipment are enclosed in its own housing, including screens, crusher, trommel and ballistic separator; – Ventilated enclosures which incorporate dust extraction to fabric filters; – Conveyor belts equipped with belt cleaners; – IBA dampened before transport to premises; – Positive air ventilation system to the enclosed plant and covered conveyors with the collected ventilation air discharged through a high efficiency reverse pulse bag filtration system; – IBA transported to premises in enclosed vehicle, bulk loaders, or sheeted vehicles; – Concrete road construction; – Crusting behaviour of pozzolanic IBA and IBAA; – Regular sweeping of yard; – Bunker walls and wind shields; – Stockpile volume limited to 2000 tonnes; – Use of road-cleaning equipment and damping-down of trafficable areas; and – Boundary dust monitoring. Locations selected to allow protection by security fencing and easy access for maintenance.

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Works Approval Holder's 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 receptors and Table 3 provides a summary of potential sensitive 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: Human receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Industrial properties (non-sensitive receptors)	Closest located to the immediate west, northwest and north of the premises. Approximately 35 m to the east across Armstrong Road
Residential properties (sensitive receptors)	Approximately 300 m southwest (9 Lot 303 on Plan 88389 Conway Road, Hope Valley) Approximately 1.2 km east-southeast of premises boundary (Lot 112 on Plan 88143 Abercrombie Road, Hope Valley)
Perth MotorPlex	Approximately 620 m south of premises boundary

Table 3: Sensitive environmental receptors and distance from prescribed activity

Environmental receptors	Distance from prescribed activity
<p>Crown Reserve (Type 3R; Parcel Identifier R 54030) Remnant Vegetation to the south, south-west, west, northwest and southeast of the premises (Swan Coastal Plain Geomorphic Wetland 6379 is within the western portion of the reserve and threatened/endangered fauna identified in the area south of the premises).</p> <p>Investigator Drive, Hope Valley</p>	<p>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).</p>
<p>Swan Coastal Plain Geomorphic Wetland 6379 (Resource enhancement dampland)</p>	<p>Closest is approximately 200 m west of premises boundary.</p>
<p>Swan Coastal Plain Geomorphic Wetland 6380 (Resource enhancement dampland basin)</p>	<p>Approximately 920 m east of premises boundary.</p>
<p>Swan Coastal Plain Wetland 15391 (Long Swamp - conservation category sumpland basin)</p>	<p>Approximately 1.1 km northeast of premises boundary.</p>
<p>Swan Coastal Plain Wetland 6376 (resource enhancement sumpland basin)</p>	<p>Approximately 1.5 km north-northwest of premises boundary.</p>
<p>Swan Coastal Plain Geomorphic Wetland 6381 (multiple use dampland basin)</p>	<p>Approximately 760 m east of premises boundary.</p>
<p>Threatened Ecological Communities (TEC's) Critically Endangered and Priority 3 (P3)</p>	<p>Approximately 750 m northeast of premises boundary.</p> <p>TEC buffer zone approximately 350 m east of premises boundary.</p>
<p>Threatened fauna</p> <ul style="list-style-type: none"> • Quenda (<i>Isoodon fusciventer</i>) – Priority 4 • Perth slider (<i>Lerista lineata</i>) • Endangered/Threatened Carnaby's cockatoo (<i>Calyptorhynchus latirostris</i>) 	<p><i>Isoodon fusciventer</i> and <i>Lerista lineata</i> - closest approximately 70 m south of premises boundary.</p> <p><i>Calyptorhynchus latirostris</i> approximately 630 m north of premises boundary.</p>
<p>State Environmental (Cockburn Sound) Policy 2015</p>	<p>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.</p>

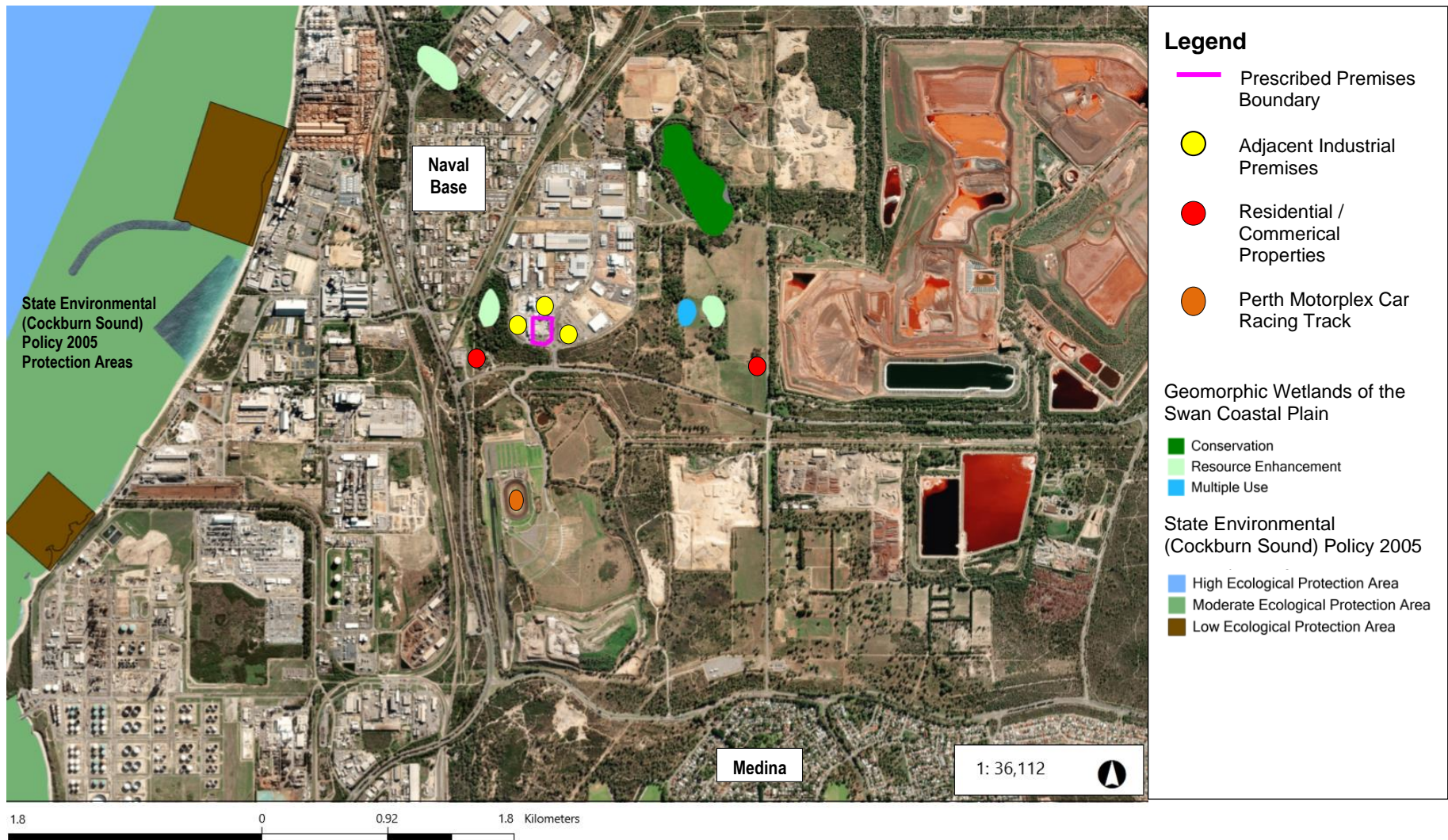


Figure 1: Distance to sensitive receptors

3.2 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 3.1. 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 3.1), 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 4.

The Revised Works Approval W6510/2021/1 that accompanies this Amendment Report authorises construction, environmental commissioning and 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 i.e. Category 62 activities. A risk assessment for the operational phase has been included in this Amendment Report, however licence conditions will not be finalised until the department assesses the licence application.

Table 4: Risk assessment of potential emissions and discharges from the Premises during construction, commissioning and 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				
Construction								
Ambient air monitoring equipment installation and associated vehicle movements	Dust	Deposition of windblown dust (containing contaminants) onto surface water bodies and native vegetation	Swan Coastal Plain Geomorphic Wetlands (closest 200 m west) Critically endangered/P3 Threatened Ecological Communities (closest approximately 750m northeast) Fauna habitat (closest is reserve 54030)	Refer to Section 5.1	C = Slight L = Unlikely Low Risk	Y	N/A	The Delegated Officer considers dust emissions during the installation of the ambient air monitoring equipment can be effectively regulated by the general provisions of the EP Act.
	Dust	Air/windborne pathway causing impacts to 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 5.1	C = Slight L = Unlikely Low Risk	Y	N/A	The Delegated Officer considers dust emissions during the installation of the ambient air monitoring equipment can be effectively regulated by the general provisions of the EP Act.
	Noise		Residence/commercial property (closest 300 m east-southeast) Perth MotorPlex 620 m south		C = Slight L = Unlikely Low Risk	Y	N/A	The Delegated Officer considers noise emissions can be effectively regulated by the <i>Environmental Protection (Noise) Regulations 1997</i> .

Commissioning								
Delivery, handling and processing of IBA Processing of IBA Receipt, handling and unloading of IBA and IBAA IBA and IBAA stockpiles Vehicle movements	Dust	Deposition of windblown dust (containing contaminants) onto surface water bodies and native vegetation	Swan Coastal Plain Geomorphic Wetlands (closest 200 m west) Critically endangered/P3 Threatened Ecological Communities (closest approximately 750m northeast) Fauna habitat (closest is reserve 54030)	Refer to Section 5.1	C = Moderate L = Possible Medium Risk	Y	Condition 1 Conditions 2 to 8, 14 to 19 Condition 20 Conditions 21 to 24	The Delegated Officer notes that the proposed changes are required to improve siting location issues and to improve the quality and validity of data obtained. The intent of PM ₁₀ measurement with a high-volume sampler is to determine the composition of PM ₁₀ and the concentration of particulate metals within the premises boundary; therefore a trigger value (Table 4 of the Revised Works Approval) is not applicable in this instance. Additionally, as laboratory analysis of the PM ₁₀ filter is required, the timeframe between measurement and receipt of results is not conducive with short-term management responses and serves to inform longer term dust management at the premises.
		Air/windborne pathway causing impacts to 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 Residence/commercial property (closest 300 m east-southeast) Perth MotorPlex 620 m south	Refer to Section 5.1	C = Moderate L = Possible Medium Risk	Y	Condition 1 Conditions 2 to 8, 14 to 19 Condition 20 Conditions 21 to 24	The air monitoring locations as shown in Figure 4 of the Revised Works Approval are generally in line with AS3580.1.1. Dust is not being measured in proximity to sensitive receptors for comparison to National Environment Protection Measures (NEPM); therefore proposed locations and methods are deemed suitable.
	Noise	Air/windborne pathway causing impacts to 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 Residence/commercial property (closest 300 m east-southeast) Perth MotorPlex 620 m south	Refer to Section 5.1	C = Minor L = Possible Medium Risk	Y	Conditions 1 to 8	The Delegated Officer considers noise emissions can be effectively regulated by the <i>Environmental Protection (Noise) Regulations 1997</i> .

Operation (including time-limited-operations operations)								
Delivery, handling and processing of IBA Processing of IBA Receipt, handling and unloading of IBA and IBAA IBA and IBAA stockpiles Vehicle movements	Dust	Deposition of windblown dust (containing contaminants) onto surface water bodies and native vegetation	Swan Coastal Plain Geomorphic Wetlands (closest 200 m west) Critically endangered/P3 Threatened Ecological Communities (closest approximately 750m northeast) Fauna habitat (closest is reserve 54030)	Refer to Section 5.1	C = Moderate L = Possible Medium Risk	Y	Condition 1 Conditions 1, 2, 3, 9 to 19 Condition 20 Conditions 21 to 24	The Delegated Officer notes that the proposed changes are required to improve siting location issues and to improve the quality and validity of data obtained. The intent of PM ₁₀ measurement with a high-volume sampler is to determine the composition of PM ₁₀ and the concentration of particulate metals within the premises boundary; therefore a trigger value (Table 4 of the Revised Works Approval) is not applicable in this instance. Additionally, as laboratory analysis of the PM ₁₀ filter is required, the timeframe between measurement and receipt of results is not conducive with short-term management responses and serves to inform longer term dust management at the premises.
	Dust	Air/windborne pathway causing impacts to 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 Residence/commercial property (closest 300 m east-southeast) Perth MotorPlex 620 m south	Refer to Section 5.1	C = Moderate L = Possible Medium Risk	Y	Condition 1 Conditions 1, 2, 3, 9 to 19 Condition 20 Conditions 21 to 24	The air monitoring locations as shown in Figure 4 of the Revised Works Approval are generally in line with AS3580.1.1. Dust is not being measured in proximity to sensitive receptors for comparison to National Environment Protection Measures (NEPM); therefore proposed locations and methods are deemed suitable.
	Noise			Refer to Section 5.1	C = Minor L = Possible Medium Risk	Y	Conditions 1, 2, 3, 9, 10 to 13 and 28 to 31	The Delegated Officer considers noise emissions can be effectively regulated by the <i>Environmental Protection (Noise) Regulations 1997</i> .

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.

4. Consultation

Table 5 provides a summary of the consultation undertaken by the department.

Table 5: Consultation

Consultation method	Comments received	Department response
Works Approval Holder was provided with draft amendment on 13/12/2023	Comments received on 21/12/2023. See Appendix 1	See Appendix 1

5. 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.

5.1 Summary of amendments

Table 6 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 6: Summary of works approval amendments

Condition no.	Proposed amendments
Cover page	DWER file number updated. Premises address and legal description updated.
Works approval history table	Works approval history table added.
Condition 1 Table 1 Item 6	Condition updated to revised particulate dust monitor parameters, requirements and location as per departmental advice. Footnote added to Table 1.
Condition 18(f)	Landfill Waste Classification Waste Definitions amended to <i>Landfill Waste Classification Waste Definition 1996 (as amended 2019)</i> (DWER, 2019).
Condition 20 Table 4	Condition updated to revised particulate dust monitor parameters, location and requirements as per departmental advice. Table 4 title amended to 'Monitoring of ambient air concentrations' and Note 1 added. Frequency of deposited dust monitoring amended from daily to continuous and Total Suspended Particulates (TSP) updated to <50 EAD from <50 ug/m ³ in Table 4.
Condition 23 Table 5	Condition removed from works approval.
Definitions	Definitions updated: AS/NZS 3580.10.1, AS 3580.14, AS/NZS 5667.1, AS/NZS 5667.4 and premises.
	Definitions removed: AS/NZS 3580.9.11
	Definitions added: AS/NZS 3580.9.6, AS/NZS 3580.9.15, EAD, ng/ m ³ ,

Condition no.	Proposed amendments
	Total Suspended Particulates (TSP) and $\mu\text{g}/\text{m}^3$.
Schedule 1: Maps	<p>Figure 1 updated to match the prescribed premises boundary with the Lot boundary and to show a more detailed image of the facility. 'Figure 1' added to premises map description.</p> <p>Figure 4 updated to show revised dust monitor locations.</p>

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. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Risk Assessments*, Perth, Western Australia.

Appendix 1: Summary of Works Approval Holder's comments on risk assessment and draft conditions

Condition	Summary of Works Approval Holder's comment	Department's response
Condition 1 Table 1 Row 5	Works Approval holder requested size of retention pond be amended from 150m ³ to 90m ³	Amended as requested
Condition 14 Table 2 row 1	Works Approval Holder requested condition to not refer to Kwinana Energy from Waste Facility specifically.	Amended as per comment
Condition 20 Table 4 Row 5	Works Approval Holder requested row 5 be removed as dust deposition gauges are no longer required.	Amended as requested
Condition 23	Works Approval Holder commented on the note "Applicant to confirm intent to install meteorological monitoring station onsite." They stated this matter has previously been resolved – Blue Phoenix will link into the nearby Kwinana Industries Council's (KIC's) meteorological monitoring station at Anketell Road. As such no monitoring station is planned to be installed onsite. They also requested the removal of the provisional location for Meteorological Station shown on Figure 4.	Advice received from the Department's air quality branch confirmed that suitable meteorological data can be obtained by the works approval holder from the closest Kwinana Industry Council weather station located 400 m south of the premises and therefore the references to onsite meteorological monitoring station has been removed from condition 23. Reference to meteorological station has been removed from Figure 4.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY						
Application type						
Works approval	<input type="checkbox"/>					
Licence	<input type="checkbox"/>	Relevant works approval number:		None	<input type="checkbox"/>	
		Has the works approval been complied with?			Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Has time limited operations under the works approval demonstrated acceptable operations?			Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?			Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Date Report received:				
Renewal	<input type="checkbox"/>	Current licence number:				
Amendment to works approval	<input checked="" type="checkbox"/>	Current works approval number:	W6510/2021/1			
Amendment to licence	<input type="checkbox"/>	Current licence number:				
		Relevant works approval number:		N/A	<input type="checkbox"/>	
Registration	<input type="checkbox"/>	Current works approval number:		None	<input type="checkbox"/>	
Date application received		19/09/23				
Applicant and Premises details						
Applicant name/s (full legal name/s)		Blue Phoenix Western Australia Pty Ltd				
Premises name		Hope Valley IBA Facility				
Premises location		67 Investigator Drive, Hope Valley WA Lot 1074 on Deposited Plan 420130 Certificate of Title Volume 4001 Folio 816				
Local Government Authority		City of Kwinana				
Application documents						
HPCM file reference number:		DWERDT837654				
Key application documents (additional to application form):		<ul style="list-style-type: none"> • Works Approval Amendment Application Supporting Information (Coterra Environment, 2023) • Transmittal letter 				

Scope of application/assessment		
<p>Summary of proposed activities or changes to existing operations.</p>		<p>The applicant has been unable to meet the requirements of condition 1, table 1, row 6 of the works approval relating to 'Particulate dust monitors', due to challenges in finding suitable locations to conduct air quality monitoring and has been in consultation with DWER to find a suitable alternative.</p> <p>The applicant is proposing to update air monitoring equipment type, location, specifications and sampling requirements as per advice provided by DWER on 15 August 2023.</p> <p>The premises infrastructure has been constructed and the Environmental Compliance Report was submitted to DWER on 10 February 2023. Aside from particulate dust monitoring requirements, the conditions of the works approval have been met. Currently, the facility is under 'care and maintenance'.</p> <p>Environmental commissioning is expected to commence in quarter 1, 2024 and Time Limited Operations (TLO) is expected to commence in quarter 2 or 3, 2024.</p> <p>The works approval holder proposes to install and operate the following equipment:</p> <ul style="list-style-type: none"> • A high-volume dust monitor to measure PM₁₀ and dust composition (particulate metals) once every 6 days for 24 hours (from 12am until 12am) located at least 1 metre above the limestone wall adjacent to the eastern premises boundary fence. • Two continuous dust monitors to concurrently measure PM₁₀ and TSP. One monitor is to be located within proximity of the high-volume dust monitor (noting that a 2 m distance between them is required) and the second monitor is to be located on the western edge of the prescribed premises boundary, south of the water tanks and truck access route.
Category number/s (activities that cause the premises to become prescribed premises)		
<p>Table 1: Prescribed premises categories</p>		
Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 62: Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	110,000 tonnes per annual period	No changes
Legislative context and other approvals		
<p>Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Referral decision No: Managed under Part V <input checked="" type="checkbox"/> Assessed under Part IV <input type="checkbox"/></p>

Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No:
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Certificate of title <input type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry:
Has the applicant obtained all relevant planning approvals?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Approval: DA9916.2 (Industry General). Approved 26/8/2021 Expiry date: No expiry date - The approval will only lapse after 2 years of the determination if the development is not substantially commenced. If N/A explain why?
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CPS No: N/A No clearing is proposed.
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A No clearing is proposed.
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: Licence/permit No: Licence / permit not required.
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Type: N/A Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: Kwinana Peel

<p>Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Name: N/A Priority: P1 / P2 / P3 / N/A Are the proposed activities/landuse compatible with the PDWSA (refer to <u>WQPN 25</u>)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/></p>
<p>Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p><i>Environmental Protection (Kwinana) (Atmospheric Wastes) Policy 1999</i> <i>State Environmental (Cockburn Sound) Policy 2015</i> <i>Hope Valley-Wattleup Redevelopment Act 2000</i></p>
<p>Is the Premises within an Environmental Protection Policy (EPP) Area?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p><i>Environmental Protection (Kwinana) (Atmospheric Wastes) Policy 1999</i></p>
<p>Is the Premises subject to any EPP requirements?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	
<p>Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i>?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>Classification: Possibly contaminated – investigation required (CSS ID 82008 and CSS Site ID 1858) Date of classification: 20/02/2009 Affected site – Alcoa Alumina Refinery. Rockingham and Anketell Roads. Form 1. Date of Classification: 20/02/2009</p>