



Works Approval

Environmental Protection Act 1986, Part V

Proponent: **Spinifex Crushing & Screening Services Pty Ltd**

Works Approval: **W5913/2015/1**

Registered office: 128 Albany Highway
ALBANY WA 6330

ACN: 135 324 551

Premises address: Mindijup Asphalt Plant
Being a portion of Lot 102 on Plan 22860 within coordinates:
597835.3E, 6153715N; 597834.1E, 6153367.5N; 597960.2E, 6153348.3N
and 597963.9E, 6153698.2
Mindijup Road ALBANY WA 6330
as depicted in Schedule 1

Issue date: Monday, 8 February 2016

Commencement date: Monday, 8 February 2016

Expiry date: Thursday, 7 February 2019

The following category/s from the *Environmental Protection Regulations 1987* cause this Premises to be a prescribed premises for the purposes of the *Environmental Protection Act 1986*:

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
35	Asphalt manufacturing: premises on which hot or cold mix asphalt is produced using crushed or ground rock aggregates mixed with bituminous or asphaltic materials for use at places or premises other than those premises	N/A	10 000 tonnes per annual period

Conditions

This Works Approval is subject to the conditions set out in the attached pages.

Date signed: 8 February 2016

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Jonathan Bailes
Manager Licensing (Process Industries)
Officer delegated under section 20
of the *Environmental Protection Act 1986*



Works Approval Conditions

1 General

1.1 Interpretation

1.1.1 In the Works Approval, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 In the Works Approval, unless the contrary intention appears:

'Act' means the *Environmental Protection Act 1986*;

'annual period' means the inclusive period from 1 April until 31 March in the following year;

'AS 4323.1' means the Australian Standard AS4323.1 *Stationary Source Emissions Method 1: Selection of sampling positions*;

'averaging period' means the time over which a limit is measured or a monitoring result is obtained;

'CEO' means Chief Executive Officer of the Department of Environment Regulation;

'CEO' for the purpose of correspondence means:

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au;

'Commissioning' means the process of operation and testing that verifies the works and all relevant systems, plant, machinery and equipment have been installed and are performing in accordance with the design specification set out in the works approval application;

'NATA' means the National Association of Testing Authorities, Australia;

'NATA accredited' means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

'Premises' means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Works Approval;

'Schedule 1' means Schedule 1 of this Works Approval unless otherwise stated;

'USEPA' means United States (of America) Environmental Protection Agency;

'Works Approval' means this Works Approval numbered W5913/2015/1 and issued under the Act; and

'Works Approval Holder' means the person or organisation named as the Works Approval Holder on page 1 of the Works Approval;

1.1.3 Any reference to an Australian or other standard in the Works Approval means the relevant parts of the standard in force from time to time during the term of this Works Approval.



1.1.4 Any reference to a guideline or code of practice in the Works Approval means the current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guidelines or code of practice made during the term of this Works Approval.

1.2 General conditions

1.2.1 The Works Approval Holder shall construct the works in accordance with the documentation detailed in Table 1.2.1.

Table 1.2.1: Construction Requirements¹		
Document	Parts	Date of Document
Works Approval Application Form	All	23 September 2015
Mindijup Asphalt Plant Project Lot 102 Mindijup Road , Palmdale Supporting Documentation, Version 1	All, including Drawings and Appendices	September 2015

Note 1: Where the details and commitments of the documents listed in condition 1.2.1 are inconsistent with any other condition of this works approval, the conditions of this works approval shall prevail.

1.2.2 The Works Approval Holder shall commission the Mindijup Asphalt Plant for a period not exceeding three months.

2 Emissions

2.1 Point source emissions to air

2.1.1 The Works Approval Holder shall ensure that where waste is emitted to air from the emission points in Table 2.1.1 it is done so in accordance with the conditions of this Works Approval.

Table 2.1.1: Emission points to air			
Emission point reference	Emission Point	Emission point height (m)	Source, including any abatement
A1	Plant Stack	6.1	Drum drier via baghouse

3 Monitoring

3.1 Monitoring of point source emissions to air

3.1.1 The Licensee shall undertake the monitoring in Table 3.1.1 according to the specifications in that table.

Table 3.1.1: Monitoring of point source emissions to air				
Emission point reference	Parameter²	Units¹	Frequency³	Method
A1	Particulates	mg/m ³ g/s	At least three samples during commissioning	USEPA Method 5 or USEPA Method 17

Note 1: All concentration units are referenced to STP dry and 17% O₂

Note 2: Monitoring shall be undertaken to reflect normal operating conditions and any limits or conditions on inputs or production.

Note 3: Samples shall not be taken concurrently



- 3.1.2 The Works Approval Holder shall ensure that:
- (a) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured; and
 - (b) all sampling required under condition 3.1.1 is undertaken at sampling locations in accordance with AS 4323.1.

4 Information

4.1 Reporting

- 4.1.1 The Works Approval Holder shall submit a compliance document to the CEO, following the construction of the Mindijup Asphalt Plant and prior to commissioning of the same.
- 4.1.2 The compliance document shall:
- (a) certify that the works were constructed in accordance with the conditions of the works approval; and
 - (b) be signed by person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company.
- 4.1.3 The Works Approval Holder shall submit a commissioning report for the Mindijup Asphalt Plant to the CEO within two months of the completion of commissioning.
- 4.1.4 The Works Approval Holder shall ensure the report includes:
- (a) a summary of the monitoring results recorded under condition 3.1.1;
 - (b) a list of any original monitoring reports submitted to the Licensee from third parties for the commissioning period;
 - (c) a summary of the environmental performance of the Mindijup Asphalt Plant as installed, against the design specification set out in the works approval application; and
 - (d) where they have not been met, measures proposed to meet the design specification and/or works approval conditions, together with timescales for implementing the proposed measures.

4.2 Notification

- 4.2.1 The Works Approval Holder shall ensure that the parameters listed in Table 4.2.1 are notified to the CEO and are in accordance with the notification requirements of the table.

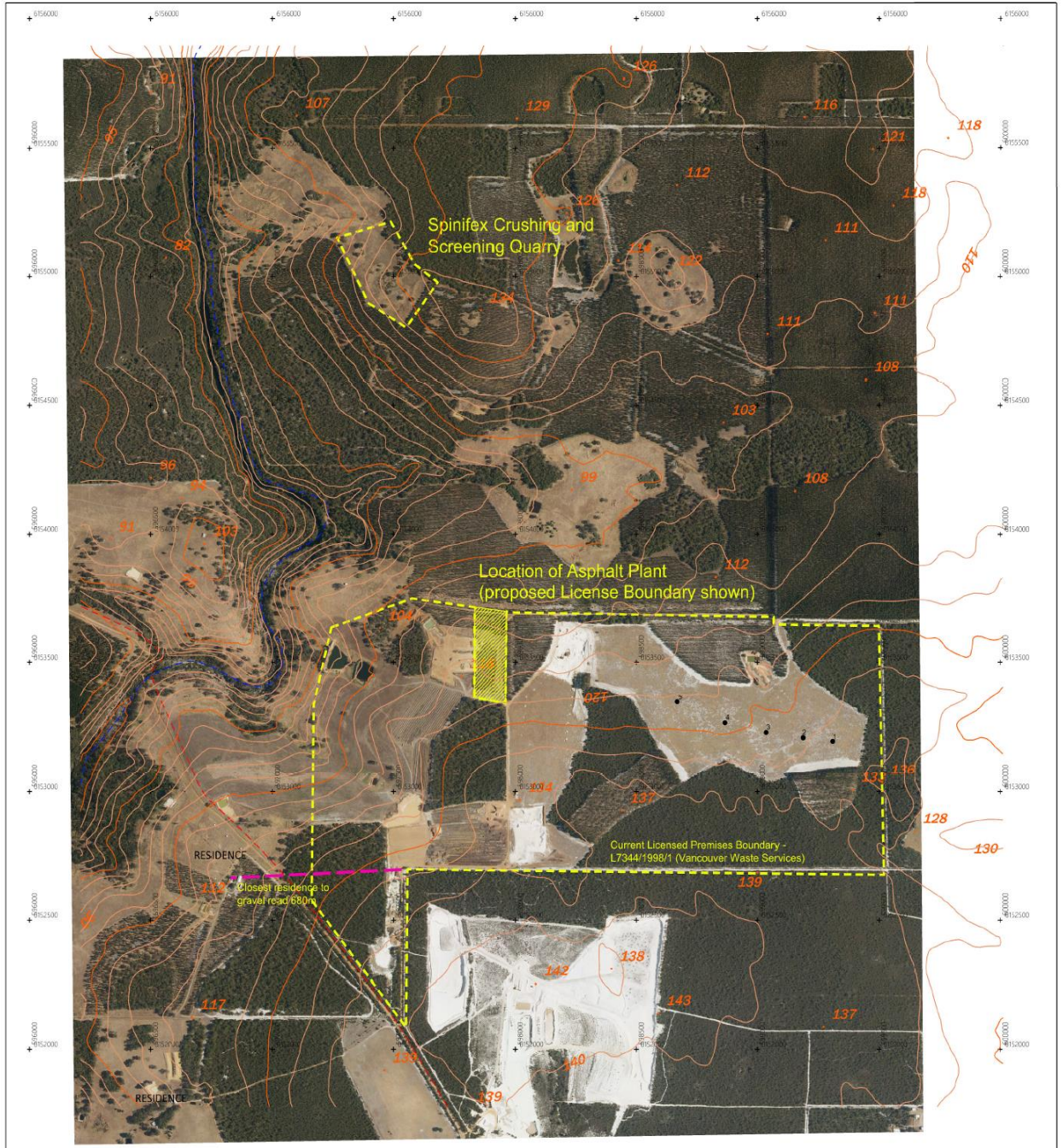
Table 4.2.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement	Format or form
1.2.2	Commencement of commissioning	7 days prior to start	None specified
	Completion of commissioning	7 days after completion	



Schedule 1: Maps

Premises map

The Premises is shown in the map below. The shaded yellow area depicts the Premises.



Location of Asphalt Plant Site, Lot 102 Mindijup Road, Palmdale
(Scale 1:17,500 @ A3, All grid references are GDA94, Zone 50)



Decision Document

Environmental Protection Act 1986, Part V

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Issue date: Monday, 8 February 2016

Commencement date: Monday, 8 February 2016

Expiry date: Thursday, 7 February 2019

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue a works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations and legal requirements and that the Works Approval and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by: Clint Joseph
Licensing Officer

Decision Document authorised by: Jonathan Bailes
Delegated Officer



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.



2 Administrative summary

Administrative details		
Application type	Works Approval <input checked="" type="checkbox"/>	
	New Licence <input type="checkbox"/>	
	Licence amendment <input type="checkbox"/>	
	Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	35	40 tonnes per hour
Application verified	Date: 08/10/2015	
Application fee paid	Date: 12/11/2015	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Ministerial statement No: EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	



3 Executive summary of proposal and assessment

Spinifex Crushing and Screening Services Pty Ltd is part of the GSS Group under the Directorship of Mr Martin Shuttleworth, who is also the owner of Lot 102 Mindijup Road. The Mindijup Asphalt Plant to be operated by Spinifex Crushing and Screening Services Pty Ltd will be located approximately 35 kilometres northeast of Albany with access off Mindijup Road.

The asphalt plant is semi-mobile and designed to be placed on a firm hard surface such as stabilised gravel or concrete. The plant itself takes up approximately 400 square metres (m²) when erected, including aggregate bunkers, control room, mixing barrel, baghouse and finished product bins.

Asphalt will be manufactured via a batch mix process in which an enclosed conveyor feeds aggregate from a cold feed unit into a sealed, insulated and clad rotary dryer. The aggregates are stockpiled and will be stored in steel bins before being transferred to the feed unit via a loader.

In the diesel-fired dryer, the aggregate is heated to approximately 160 degrees centigrade (°C) and is transferred to the pug mill which is fully insulated and enclosed to retain heat and minimise dust and odour emissions. Bitumen is injected hot into the pug mill and is mixed with the hot aggregate with any other required material (e.g. filler, colouring agents, etc.) via a twin shaft paddle mixer. Bitumen is stored onsite in a sealed 40,000 litre (L) tank, which is kept heated to prevent the bitumen from solidifying. The mixture is deposited to an elevated diesel heated storage vessel for discharge to asphalt trucks for transport.

The combusted air is exhausted through a baghouse filter prior to discharge to the atmosphere via a stack. The filter contains 224 bags, with a filter area of 240 m². The bag house incorporates an automatic reverse-pulse cleaning system with fines returned to the mixer via a screw conveyor. The manufacturer's specifications for the baghouse state that the dust concentration in the filtered air will be less than 20 milligrammes per cubic metre (mg/m³).

The proposed site for the asphalt plant is situated in an agricultural land use area. The application was referred to the City of Albany who granted planning approval with conditions for the proposed project.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions		<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Stormwater runoff containing hydrocarbon and bitumen spills from the heated 40,000 L bitumen tank. <i>Impact:</i> Contamination of surrounding land and surface water drainage systems. Potential impacts on the ecology of surface and groundwater from the addition of hydrocarbons. <i>Controls:</i> The proponent proposes to store hydrocarbons in a fully bunded enclosure as required under relevant legislation. All runoff from the site will be directed into an existing clay lined dam situated downslope. The nearest river (Kalgan River) is 690m away. Spill kits will also be available onsite for any spillages.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Unauthorised discharges of environmentally hazardous materials are subject to the provisions of the <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>. The general provisions of the <i>Environmental Protection Act 1986</i> relating to causing pollution and environmental harm also apply.</p>	<p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i></p> <p>General provisions of the <i>Environmental Protection Act 1986</i></p> <p>Application supporting documentation</p> <p><i>Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007</i></p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate	
Premises operation	N/A	Construction and operation The Premises will be subject to <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> and General provisions of the <i>Environmental Protection Act 1986</i> .	<i>Environmental Protection Act 1986</i>
Emissions general	N/A	Construction and operation The Premises will be subject to <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> and general provisions of the <i>Environmental Protection Act 1986</i> .	
Point source emissions to air including monitoring	W3.1.1	Operation <u>Emission Description</u> <i>Emission:</i> Combustion gases (NO _x , SO _x and particulates) from a diesel generator and asphalt manufacturing process via stack. <i>Impact:</i> Reduced local air quality. The nearest sensitive receptor is 1.36km away. <i>Controls:</i> Point source emissions from the asphalt plant are expected to be low. Nitrous oxides (NO _x) and Sulphur oxides (SO _x) emissions are estimated to be 28mg/m ³ and 26mg/m ³ respectively. Particulate emissions to air may result from the operation of the rotary dryer and the heating of bitumen. Most of the process takes place in a negative pressure environment within the pug mill, and the principal source of air emissions will be via the stack. Prior to discharge, combusted air passes through a baghouse filter containing 224 bags. The total capacity of the baghouse filter is 27 000 cubic metres per hour m ³ /hr). The bag house also incorporates an automatic reverse-pulse cleaning system with fines returned to the mixer via a screw conveyor. The manufacturer's specifications for the baghouse state that particulates of the filtered air will be less than or equal to 20 milligrammes per cubic metre mg/m ³ .	Ambient Air Assessment Criteria, National Environmental Protection Measure (Ambient Air Quality) Application supporting documentation <i>Environmental Protection Act 1986</i>



DECISION TABLE			
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		<p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Monitoring condition W3.1.1 will be added to the works approval to verify that the emission controls are effective. Three non-concurrent particulate samples are required to be taken from the asphalt plant stack (post-baghouse) during commissioning). Condition W4.1.4 requires the works approval holder to submit a summary of the results to DER in a commissioning report. The commissioning report will be reviewed before a licence is issued for the asphalt plant.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p>	
Point source emissions to surface water including monitoring	N/A	There will be no point source emissions to water from this plant. The plant is located in an area that has been cleared for agriculture. There are no water bodies or watercourses in the vicinity; the nearest river is 690m away. No specified conditions relating to point source emissions to water or the monitoring of such emissions are required to be added to the licence or works approval.	<i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i>
Point source emissions to groundwater including monitoring	N/A	There will be no point source emissions to groundwater from this plant. No specified conditions relating to point source emissions to groundwater or the monitoring of such emissions are required to be added to the licence or works approval.	General provisions of the <i>Environmental Protection Act</i>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Emissions to land including monitoring	N/A	There will be no emissions to land from this plant. No specified conditions relating to emissions to land or the monitoring of such emissions are required to be added to the licence or works approval.	1986
Fugitive emissions	N/A	<p>Operation and construction <u>Emission Description</u> <i>Emission:</i> Dust from construction, stockpiles and haul roads. <i>Impact:</i> Reduction in local air quality. The nearest sensitive receptor is approximately 1.36km away. <i>Controls:</i> Separation distance. As part of the Shire's planning scheme, it is compulsory for the site operator to keep a water tanker on site for dust suppression and fire control. The aggregates will be watered regularly to suppress all dust emissions. The asphalt will be manufactured in a batch mix process using enclosed conveyors to feed aggregate from a cold feed unit into a sealed, insulated and clad rotary dryer.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> DER is satisfied that appropriate controls are in place to prevent and minimise fugitive emissions and, therefore, has not included any conditions relating to fugitive emissions in the works approval. The Premises will be subject to general provisions of the <i>Environmental Protection Act 1986</i>.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Residual Risk Rating:</i> Low</p>	<p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i></p> <p>General provisions of the <i>Environmental Protection Act 1986</i></p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Odour	N/A	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Odour in the form of Polycyclic Aromatic Hydrocarbons (PAHs) and Volatile Organic Compounds (VOCs) from the heated bitumen. <i>Impact:</i> Reduction in local air quality and nuisance impacts. The nearest sensitive receptor is approximately 1.36km away. <i>Controls:</i> Separation distance. All bitumen is stored within a sealed tank. The temperature of the mix is strictly controlled to eliminate 'blue haze' smoke associated with odour. The asphalt will be manufactured in a batch mix process in which an enclosed conveyor feeds aggregate from a cold feed unit into a sealed, insulated and clad rotary dryer thus limiting any odour release.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Residual Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> DER is satisfied that appropriate controls are in place to prevent and minimise odour emissions and, therefore, has included any conditions relating to odour emissions in the works approval. The Premises will be subject to general provisions of the <i>Environmental Protection Act 1986</i>.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Residual Risk Rating:</i> Low</p>	



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Noise	N/A	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Noise from the operation of the plant. Expected noise levels are as follows: (i) Asphalt plant – 85dB (ii) Generator – 65dB (iii) Loader – 105dB <i>Impact:</i> Nuisance impacts. <i>Controls:</i> Separation distance - the distance to the nearest receptor is 1.36km away. The residence is also shielded by vegetation and landform.</p> <p><u>Regulatory Controls</u> DER is satisfied that appropriate controls are in place to prevent and minimise noise emissions and, therefore, has not included any conditions relating to noise emissions in the works approval. Noise can be adequately regulated under the <i>Environmental Protection (Noise) Regulations 1997</i>.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Residual Risk Rating:</i> Low</p>	<p><i>Environmental Protection (Noise) Regulations 1997</i></p> <p>General provisions of the <i>Environmental Protection Act 1986</i></p>
Monitoring general	N/A	No specified conditions relating to process monitoring are required to be added to the licence or works approval.	N/A
Monitoring of inputs and outputs	N/A	No specified conditions relating to monitoring of inputs and outputs are required to be added to the licence or works approval.	
Process monitoring	N/A	No specified conditions relating to process monitoring are required to be added to the licence or works approval.	



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Ambient quality monitoring	N/A	No specified conditions relating to ambient monitoring are required to be added to the licence or works approval.	
Meteorological monitoring	N/A	No specified conditions relating to meteorological monitoring are required to be added to the licence or works approval.	
Improvements	W4	No improvement condition are required to be added to the licence or works approval.	N/A
Information	W5	Conditions W5.1.1 – W5.1.4 requires the submission of compliance and commissioning documentation. Condition W5.2.1 requires notification to DER for the commencement and completion of the three month commissioning period specified in condition W1.2.2.	N/A
Works Approval Duration	N/A	The works approval will be issued for a period of three years as the site is deemed a low risk to the environment. The planning permission requires the development to be substantially commenced within two years from 21 December 2015.	N/A



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
23/11/2015	Application advertised in The West Australian (or other relevant newspaper)	No comments received	N/A
19/11/2015	Application referred to interested parties - City of Albany	A copy of the planning approval (subject to certain conditions) was provided.	The conditions and duration of the planning approval have been considered.
22/01/2016	Application referred to interested parties – Premises Neighbour	Following comments received 03/02/2016 (summary): <ol style="list-style-type: none">1. No baseline study or ongoing monitoring of the river system2. Monitoring of compliance3. Too many activities on the property4. Cumulative impact5. Contamination of river system6. Emergency Management Plan (fire)7. Emergency Management Plan (spills)8. Impact on flora and fauna	<ol style="list-style-type: none">1. Emissions from the asphalt plant are not considered to pose a significant risk to the river system, which is over 600m from the premises. No background or ongoing monitoring is deemed necessary.2. The plant is subject to reporting and notification requirements in the works approval and will be in a licence if one is granted for the operation of the plant. DER will inspect the plant as required. Any reported complaints/incidents will be investigated by DER.3. The asphalt plant is situated adjacent to a waste facility operated by Vancouver Waste Services. The asphalt plant will be operated by Spinifex Crushing & Screening Services Pty Ltd. If operated under a licence from DER, the licensed area will need to be clearly identified from the adjacent waste area. Planning approval for the development has been granted by the City of Albany.4. Emissions and discharges from the asphalt plant will not significantly interact with those from the adjacent waste operation. Any stormwater runoff from the relatively small site (400m²) will be minimal in comparison and not expected to compromise storage volumes in the dam on site.



Date	Event	Comments received/Notes	How comments were taken into consideration
			<ol style="list-style-type: none">5. Fuel and bitumen will be stored in appropriate containers equipped with secondary containments. Any spills of material are expected to be contained within the operational area and must be immediately cleaned up. Spill kits will be maintained on site.6. The applicant has proposed fire control measures. The plant is not expected to pose a significant risk as a source of fire and will be manned when operational. The plant will not operate on days of heightened fire risk in the area. Conditions of the planning approval require firebreaks, fire-fighting equipment and other appropriate fire protection measures to be maintained as part of an approved Fire Management Plan. Site operators must also be provided with firefighting training.7. See point 5 above.8. The asphalt plant is not expected to pose a risk to flora and fauna. The proposed area is already cleared of native vegetation and appropriate buffers and controls will be in place to protect vegetation in the vicinity.
22/01/2016	Proponent sent a copy of draft instrument	Administrative corrections	Corrected in final Works Approval



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High