



Mr Scott Frew
Frew's Contracting Pty Ltd
2/14, Fallon Road
LANSDALE WA 6065

Dear Mr Frew

ENVIRONMENTAL PROTECTION ACT 1986: WORKS APPROVAL GRANTED

Premises: Eastern GoldFields Regional Prison
Works Approval Number: W5720/2014/1

A works approval under the *Environmental Protection Act 1986* (the Act) has been granted for the above premises. The Department of Environment Regulation will advertise the issuing of this works approval in the public notices section of *The West Australian* newspaper.

The works approval includes attached conditions. Under section 55(1) of the Act, it is an offence to contravene a condition of a works approval. This offence carries a penalty of up to \$125,000 and a daily penalty of up to \$25,000

In accordance with section 102(1)(c) of the Act, you have 21 days to appeal the conditions of the works approval. Under section 102(3)(a) of the Act, any other person may also appeal the conditions of the works approval. To lodge an appeal contact the Office of the Appeals Convenor on 6467 5190 or by email at admin@appealsconvenor.wa.gov.au.

Emissions from the premises that are the subject of a works approval are not authorised until or unless a licence is issued or unless the emissions are in accordance with the works approval and while that works approval is in force.

If you have any queries regarding the above information, please contact Fiona Sharpe on 9080 5543.

Yours sincerely

Danielle Eyre
Officer delegated under section 20
of the *Environmental Protection Act 1986*

4 September 2014

enc: *Environmental Protection Act 1986* Works Approval W5720/2014/1



Works Approval

Environmental Protection Act 1986, Part V

Works Approval Holder: Frew's Contracting Pty Ltd

Works Approval Number: W5720/2014/1

Registered office: C/- Parkinson & co Pty Ltd
1/322 Hay Street
SUBIACO WA 6008

ACN: 116 810 164

Premises address: Eastern Goldfields Regional Prison
150 Vivian Street on DP57578
SOUTH BOULDER WA 6432
Being Lots 500 and 570 on Anzac Drive, Broadwood WA, as depicted in Schedule 1.

Issue date: Thursday, 4 September 2014

Commencement date: Monday, 8 September 2014

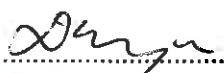
Expiry date: Monday, 7 September 2015

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 |
|-----------------|---|--|---|
| 12 | Screening etc. of material: premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated. | 50 000 tonnes or more per year | 620 000 tonnes per annual period |

Conditions

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


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Danielle Eyre
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;

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

'CEO' for the purpose of correspondence means:

Manager Licensing (Goldfields)
Department of Environment Regulation
PO Box 10173
KALGOORLIE WA 6433
Telephone: (08) 9080 5555
Facsimile: (08) 9021 7831
Email: Goldfields@der.wa.gov.au;

'code of practice for the storage and handling of dangerous goods' means document titled "Storage and handling of dangerous goods: Code of Practice" published by the Department of Mines and Petroleum, as amended from time to time;

'dangerous goods' has the meaning defined in the *Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007*;

'environmentally hazardous material' means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines and Petroleum;

'NIOSH' means document titled "NIOSH pocket guide to chemical hazards" published by the Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational safety and Health, 2007, Ohio, USA;

'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;

'Works Approval' means this Works Approval numbered W5720/2014/1 and issued under the *Act*;

'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 Requirements ¹ | | |
|--|--|------------------|
| Document | Parts | Date of Document |
| Site Management Plan – Asbestos Remediation and Onsite Screening, Lots 500 and 570 Vivian Street, South Boulder WA, partial Lot 571, Anzac Drive, Broadwood WA, Prepared for John Hollan Pty Ltd & Pindan Contracting Pty Ltd Joint Venture, SGS Australia Pty Ltd | All, including Drawings and Appendices | May 2014 |
| Additional Information – Re: Screening of Asbestos Containing Material at Eastern Goldfields Regional Prison, Les Best | All | 28 May 2014 |

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, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous materials are stored in accordance with the code of practice for the storage and handling of dangerous goods.

1.3 Premises operation

There are no specified conditions relating to Premises operation in this section.

2 Emissions

There are no specified conditions relating to emissions in this section.

3 Monitoring

There are no specified conditions relating to monitoring in this section.

4 Improvements

There are no specified conditions relating to improvements in this section.



5 Information

5.1 Reporting

- 5.1.1 The Works Approval Holder shall submit a compliance document to the CEO, following the construction of the works and prior to commissioning of the same.
- 5.1.2 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 a person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company.



Schedule 1: Maps

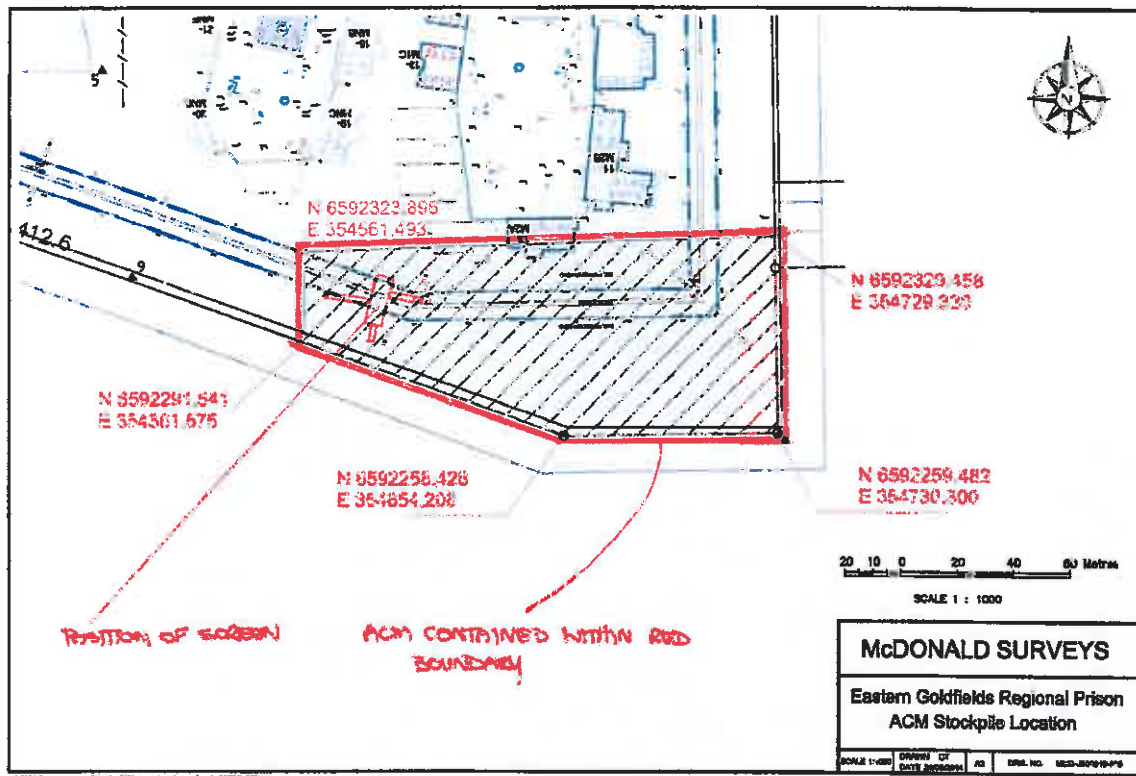
Premises map

The Premises is shown in the maps below. The pink line depicts the Premises boundary.





Location of screening plant within Premises.





Decision Document

Environmental Protection Act 1986, Part V

Proponent: Frew's Contracting Pty Ltd

Works Approval: W5720/2014/1

Registered office: C/- Parkinson & Co Pty Ltd
1/322 Hay Street
SUBIACO WA 6008

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150 Vivian Street on DP57578
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Being Lots 500 and 570 Anzac Drive, Broadwood WA, as depicted in
Schedule 1.

Issue date: Thursday, 4 September 2014

Commencement date: Monday, 8 September 2014

Expiry date: Monday, 7 September 2015

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: Fiona Sharpe
Licensing Officer

Decision Document authorised by: James Milne
Manager Licensing



Contents

| | | |
|---|--|----|
| 1 | Purpose of this document | 2 |
| 2 | Administrative summary | 3 |
| 3 | Executive summary of proposal and assessment | 4 |
| 4 | Decision table | 5 |
| 5 | Advertisement and consultation table | 11 |
| 6 | Risk Assessment | 12 |
| | Appendix A | 13 |

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.

Works approval and licence conditions

DER has three types of conditions that may be imposed on works approvals and licences. They are as follows;

Standard conditions

DER has standard conditions that are imposed on all works approvals and licences regardless of the activities undertaken on the Premises and the information provided in the application. These are included as the following conditions on works approvals and licences:

Works approval conditions: 1.1.1-1.1.4, 1.2.1, 1.2.2, 5.1.1 and 5.1.2.

Licence conditions: 1.1.1-1.1.4, 1.2.1-1.2.4, 5.1.1-5.1.4 and 5.2.1.

For such conditions, justification within the Decision Document is not provided.

Optional standard conditions

In the interests of regulatory consistency DER has a set of optional standard conditions that can be imposed on works approvals and licences. DER will include optional standard conditions as necessary and are likely to constitute the majority of conditions in any licence. The inclusion of any optional standard conditions is justified in section 4 of this document.

Non standard conditions

Where the proposed activities require conditions outside the standard conditions suite DER will impose one or more non-standard conditions. These include both premises and sector specific conditions and are likely to occur within few licences. Where used, justification for the application of these conditions will be included in section 4.



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 |
| | 12 | 620 000 tonnes per annual period |
| Application verified | Date: 30 July 2014 | |
| Application fee paid | Date: 7 August 2014 | |
| 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 | N/A | |
| 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 checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> If Yes include details of which EPP(s) here: Environmental Protection (Goldfields Residential Areas) (Sulphur Dioxide) Policy Order 2003 | | |
| Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP. | | |



3 Executive summary of proposal and assessment

Frew's Contracting Pty Ltd (Frews Contracting), will be engaged by John Holland Pty Ltd and Pindan Contracting Pty Ltd Joint venture to screen asbestos containing materials (ACM) from topsoil that has been stripped and currently stockpiled at the Eastern Goldfields Regional Prison Development Project, being Lots 500 on Deposited Plan 57578 and H 150 (Lot 570) Vivian Street, South Boulder WA. The soil will be screened using sequential 25 and 8 mm incline screens, with a passing product of < 5 mm grain size. One 10 L sample will be obtained every 70 m³ to ensure the soil can be validated as having a free fibre concentration of less than 0.001% w/w, enabling the soil to be re-used without presenting an unacceptable risk to site occupants. Screening will be undertaken in accordance with best practice asbestos removal and OHS work methods.

Screening will be carried out using a Terex Finlay 683 incline screen. The screen will be fitted with a 25mm top deck and 8mm Trellex Trellform bottom deck. The chosen screen will provide approximately <5mm passing product at 16 degrees. Screening will be supported by front-end loaders as necessary to handle the material and dump trucks to transport screened ACM to the approved disposal site at Yarri Road. The removal and transport of the ACM shall be undertaken in accordance with NOHSC:2002, and the *Environmental Protection (Controlled Waste) Regulations 2004*.

The ACM is located in the south east corner of the project area. The area is physically defined by the southern and eastern boundary fences and the original swale to the north. The ACM will be processed and stockpiled within the area with the separated contaminants fed directly into a double lined truck or other suitable receiving containers to be contained and secured. The clean processed material will be stockpiled in lots of approximately 1000m³, clearly defined and marked for stockpile testing purposes. These stockpiles will be made on the southern boundary, 5m from the boundary fence. Conveyor testing will be carried out approximately every 70m³ fed into the screen. The quantities will be measured by converting m³ to tonnes and measured on legal trade scales fitted to the front of the front-end loader.

The screening equipment can process 275 tonnes (approximately 138m³) per hour, or based on an eight hour working day, operating over five days per week for a total of 52 weeks, can process 620 000 tonnes (approximately 310 000m³). Therefore, category 12 from Schedule 1 of the *Environmental Protection Regulations 1987* is triggered and a works approval and licence are necessary to operate. The duration of the on-site screening is expected to be for approximately two weeks to screen an estimation of 3,225m³ of material. As the screening equipment is a mobile plant, the construction phase only consists of transporting the equipment to the site.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987*, DEC's Policy Statement - Limits and targets for prescribed premises (2006), 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.

OSC = optional standard condition
NSC = non-standard condition

DECISION TABLE

| Works Approval / Licence section | Condition number W = Works Approval L = Licence | OSC or NSC | Justification (including risk description & decision methodology where relevant) | Reference documents |
|----------------------------------|---|------------|--|--|
| General conditions | W1.2.1 – 1.2.2 L1.2.5 | OSC | <p>Premises Construction</p> <p>Standard conditions apply to the Works Approval 1.2.1 and 1.2.2 stating that the works can be constructed in accordance with the Works Approval supporting documentation and the code of practice for the storage and handling of dangerous goods.</p> <p>Emergency Situation</p> <p><u>Emission Description</u> <i>Emission:</i> Spillage of fuel from within the fuel tank of the mobile screening plant. <i>Impact:</i> Contamination of surrounding land and surface water drainage systems. Hydrocarbons can negatively affect flora and fauna in different ways. Animals may be smothered by the oil or it may be directly ingested causing short and long term negative impacts. Hydrocarbons have varying rates of degradation and may persist in the environment for many years. <i>Controls:</i> The fuel is stored within the fuel tank of the mobile plant. Spill kits are available on-site to ensure no contamination occurs to the environment.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Possible</p> | Application supporting documentation General Provisions of the <i>Environmental Protection Act 1986</i> |



DECISION TABLE

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|--|---|------------|--|--|
| | | | <p><i>Risk Rating: Moderate</i></p> <p><u>Regulatory Controls</u> SC1.2 requires the Licensee to ensure environmentally hazardous materials are stored in accordance with the code of practice for the storage and handling of dangerous goods. SC1.2.4 ensures all spills are immediately recovered and removed. OSC1.2.5 will be included in the Licence to ensure stormwater run-off does not contain contaminated materials.</p> <p><u>Residual Risk</u> <i>Consequence: Minor</i> <i>Likelihood: Unlikely</i> <i>Risk Rating: Low</i></p> | |
| Emissions general | L2.1.1 | OSC | Descriptive limits will be set through condition 2.6.2 of the licence and therefore OSC 2.1.1 regarding recording and investigation of exceedances of limits or targets has been included. | N/A |
| Point source emissions to air including monitoring | N/A | N/A | There will be no point source emissions to air that require specific conditions. | Application supporting documentation. <i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i> |
| Point source emissions to surface water | N/A | N/A | There will be no significant point source discharges to water during construction or operation of the mobile plant. | Application supporting documentation. |



DECISION TABLE

| Works Approval / Licence section | Condition number W = Works Approval L = Licence | OSC or NSC | Justification (including risk description & decision methodology where relevant) | Reference documents |
|--|---|------------|--|--|
| including monitoring | | | | <i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i> |
| Point source emissions to groundwater including monitoring | N/A | N/A | There will be no significant point source emissions to groundwater during construction or operation of the mobile plant. | Application supporting documentation. <i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i> |
| Emissions to land including monitoring | N/A | N/A | There will be no discharges to land during construction or operation of the mobile plant. | Application supporting documentation. <i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i> |
| Fugitive emissions | L2.6.1, L2.6.2 and L2.6.3 | OSC | DER's assessment and decision making are detailed in Appendix A | Application supporting documentation. DER's "Guidelines for |



DECISION TABLE

| Works Approval / Licence section | Condition number W = Works Approval L = Licence | OSC or NSC | Justification (including risk description & decision methodology where relevant) | Reference documents |
|----------------------------------|---|------------|---|---|
| | | | | managing asbestos at construction and demolition waste recycling facilities". |
| Odour | N/A | N/A | There will be no significant odour emissions during construction or operation of the mobile plant. | Application supporting documentation |
| Noise | N/A | N/A | <p>Construction There will be no significant noise emissions during construction of the mobile plant.</p> <p>Normal Operation Emission Description Emissions: There may be some noise generated during the operation of the screening plant. Impact: There is the potential for noise to impact the surrounding receptors including prison residents and the general public (approximately 400 m from the site). Controls: The screening plant will only operate during the hours of 6:30am and 5:00pm. There are no businesses in the area and minimal noise impact on the prison residents is expected.</p> <p>Risk Assessment: Consequence: Insignificant Likelihood: Possible Risk rating: Low</p> <p>Regulatory Controls:</p> | <p>Application supporting documentation.</p> <p><i>Environmental Protection (Noise) Regulations 1997.</i></p> |



DECISION TABLE

| Works Approval / Licence section | Condition number W = Works Approval L = Licence | OSC or NSC | Justification (including risk description & decision methodology where relevant) | Reference documents |
|----------------------------------|---|------------|--|--------------------------------------|
| | | | OSC 1.2.1 has been included on the Works Approval to ensure equipment is constructed as per the supporting documentation. No specific noise conditions are required on the Licence. Noise is regulated via the <i>Environmental Protection (Noise) Regulations 1997</i> . <u>Residual Risk:</u> <u>Consequence:</u> Insignificant <u>Likelihood:</u> Possible <u>Risk rating:</u> Low | |
| Monitoring general | L3.1.1 | OSC | No conditions are proposed to be included in the Works Approval for monitoring of point source emissions, as none are expected. Conditions will be included on the Licence for monitoring particulates as PM ₁₀ and a target of 50 µg/m ³ over a 24 hour period for dust emissions discussed under 'Ambient quality monitoring'. As such OSC 3.1.1 will be included in the Licence to ensure monitoring is carried out in accordance with appropriate standards and analysed by a NATA accredited laboratory. | Application supporting documentation |
| Monitoring of inputs and outputs | L3.6.1 | OSC | No conditions are proposed to be included in the Works Approval for the monitoring of inputs and outputs. | N/A |
| Process monitoring | N/A | N/A | OSC 3.6.1 will be included in the Licence to monitor the amount of ACM being removed from the site. No conditions are proposed to be included in the Works Approval or Licence for process monitoring as the only process is and screening the ACM. | N/A |
| Ambient quality monitoring | L3.8.1 | OSC | Conditions have been included on the Licence for monitoring particulates as PM ₁₀ and a target of 50 µg/m ³ over a 24 hour period for dust emissions. There will also be monitoring conditions for asbestos fibres. Further information is detailed in 'Fugitive emissions' section of this table. | Application supporting documentation |
| Meteorological | N/A | N/A | No conditions are proposed to be included in the Works Approval or Licence for | N/A |



DECISION TABLE

| Works Approval / Licence section | Condition number W = Works Approval L = Licence | OSC or NSC | Justification (including risk description & decision methodology where relevant) | Reference documents |
|----------------------------------|---|------------|---|---------------------|
| monitoring | | | meteorological monitoring. | |
| Improvements | N/A | N/A | No conditions are proposed to be included in the Works Approval or Licence for improvements. | N/A |
| Information | W5.1.1 and W5.1.2 L5.2 – L5.3 | N/A | Standard conditions have been included in the Works Approval for the submission of a compliance document. | N/A |
| Licence Duration | N/A | N/A | Conditions will be included on the Licence for recording and reporting via an Annual Audit Compliance Report and Annual Environmental Report. The duration of the Licence will be issued for five years. | N/A |



5 Advertisement and consultation table

| Date | Event | Comments received/Notes | How comments were taken into consideration |
|------------|--|-------------------------|--|
| 11/08/2014 | Application advertised in <i>The West Australian</i> (or other relevant newspaper) | No comments | |
| 11/08/2014 | Application referred to interested parties listed: -City of Kalgoorlie-Boulder | No comments | |
| 29/08/2014 | Proponent sent a copy of draft instrument | No comments | |



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 |



Appendix A

Fugitive Emissions

Normal Operation

Emission Description

Emission: Release of dust and asbestos fibres from ACM and/or free in soil due to soil disturbance such as crushing from weight of machinery, pressure and perforation from machinery etc.

Impact: Dust emissions can be harmful to human health and the environment. Elevated total suspended particulates (TSP) impacts ambient environmental quality which can result in amenity impacts and can smother vegetation. Particulate matter that are less than 10 (PM₁₀) or 2.5 (PM_{2.5}) micrometres in diameter can be drawn deep into the lungs creating health impacts. Inhalation of asbestos fibres by onsite workers, prison staff, prison residents and members of the community, who may access or come close within proximity of the site, could occur. Asbestos has been proven to cause terminal illnesses, including mesothelioma, asbestosis and lung cancer.

Controls: The proponent has committed to the following management methods during on-site screening:

- The area around the asbestos-containing stockpiles in which the screening will occur will be delineated with "Caution Asbestos" yellow tape. Signage will be erected at regular intervals;
- No personnel will be able to enter the work area without authority and must be wearing appropriate PPE at all times, including a P2 mask at all times;
- Asbestos fibre and dust monitors will be set-up around the perimeter and will operate for the full daily operating period of the screening equipment. Results will be analysed ideally onsite, however, within 48 hours is acceptable;
- Frews Contracting will utilise front-end loaders fitted with legal-for-trade scales to transport ACM containing soil to the screening equipment;
- A representative of Perth Asbestos Removal Co (PARCO) will observe the process at all times to ensure screening progresses such as to minimise liberation of any asbestos fibres;
- Frews Contracting will actively manage screened ACM, as well as soil which has passed through and which has not passed through the screens as appropriate based on the direction of PARCO;
- SGS Australia Pty Limited will conduct "conveyor" type testing, by obtaining one 10L sample per 70m³, which will be screened using a 7mm sieve. Where no ACM is detected in the entire sample, the material will be considered "clean". If ACM is detected in the soil, a 500mL wetted sample will be submitted for asbestos fibres and free fibre analysis. The 70m³ will be segregated from passing stockpiles until its asbestos concentration can be used to make a decision about its ongoing management;
- Frews Contracting will utilise dust suppression measures including sprays fitted to the screening plant; an atmospheric dust suppression unit (DSU) to be placed in the most favourable position based on daily weather conditions; a water cart to suppress traffic dust and stabilise stockpiles; and will at their discretion, or upon direction from the builder/government agency, shut the plant down (due to an event such as strong winds etc.); and
- Air quality monitoring will be undertaken during onsite screening, to commence prior to daily works and continue until works are completed for the day. The National Environment Protection Measure for Ambient Air Quality (Air NEPM), has set a national standard for particles as Particulate Matter less than 10 µm (PM₁₀) of maximum concentration 50 µm/m³ over a 24-hour period. PM₁₀ monitoring will be conducted continuously, with filters changed every 24 hours.

Risk Assessment

Consequence: Major



Government of Western Australia
Department of Environment Regulation

Likelihood: Unlikely

Risk Rating: Moderate

Regulatory Controls

OSC2.6.1 – 2.6.3 will be included on the Licence for dust management. This will ensure dust does not escape the premises boundary and if it does, the operation must cease and not resume until measures have been put in place to stop the emission.

Air monitoring conditions will also be included on the Licence in OSC 3.8.1 for monitoring Particulates as PM₁₀ and a target of 50 µg/m³ over a 24 hour period for dust emissions, which is in accordance with the National Environmental Protection Measure (NEPM) ambient air 24 hour goal.

Monitoring conditions will also be included in OSC 3.8.1 in for the amount of asbestos fibres per cubic centimetre of air in accordance with the NIOSH Pocket Guide to Chemical Hazards. Asbestos fibres must have an 8-hour time-weighted average airborne concentration of 0.1 fibre (longer than 5 micrometres and having a length to diameter ratio of at least 3 to 1) per cubic centimetre of air (0.1 fibre/cm³).

Residual Risk

Consequence: Major

Likelihood: Unlikely

Risk Rating: Moderate